SUPPLEMENTAL FILE (doi:10.1130/GES01043.S1)

This data supplemental file provides the sample localities, stratigraphic details, and other information including the mineral separation, U-Pb, and zircon fission-track analytical techniques used to investigate the provenance of Albian and older strata of the Brookian sequence in the western Brooks Range. Also included in the file are raw sandstone petrographic data (Table SF1), LA-ICP-MS U-Pb ages from Washington State University Laboratory in Pullman, Washington (Table SF2) and from the Apatite to Zircon, Inc. laboratory in Viola, Idaho (Table SF3). Also included are zircon age standards used in the analysis (Table SF4), zircon fission-track and U-Pb zircon double dates from the same zircon grains (Table SF5), U-Pb relative probability plots for 15 Brookian sandstones (Figure SF1), scatter plots showing U content versus U-Pb age of zircon grains in unit Jw sandstones (Figure SF2), and radial plots of zircon fission-track data for zircons dated in this study (Figure SF3). The complete U-Pb age data of this study can be found in Excel format in Moore (2014).

SAMPLE LOCALITIES AND DESCRIPTIONS

Colville Basin Foredeep Deposits

Three samples were collected from the axial part of the Colville basin from nonmarine deposits in the Nanushuk Formation. The westernmost two samples were taken from the coastal exposures at Corwin Bluff from the Nanushuk at the type section of the 4700-m-thick nonmarine Corwin Formation of Chapman and Sable (1960) (the nomenclature for this unit was abandoned and revised to “upper Nanushuk Formation” by Mull et al., 2003, but is used here for clarity). The stratigraphic section at Corwin Bluff contains the most proximal exposures of the Nanushuk Formation in the western North Slope and features a 210-m-thick, eastward-thinning middle unit of coarse conglomerate and sandstone that is thought to have been derived from source areas in the Chukchi Sea and/or Chukotka (Molenaar, 1985). Sample TM-01 (N68.88686°, W164.93878°; NAD27 Alaska datum), was collected from sea cliffs 1.6 km west of

Thetis Creek near the base of the Corwin Formation of Chapman and Sable (1960), whereas sample TM-02 (68.86528°, W165.23053°) was collected from sea cliffs east of Arrow Creek near the top of the same unit. Smiley (1969) reported that the floral data from the upper part of the Corwin Formation contains the same floral assemblage as that found in the lower part of the unit as mapped by Chapman and Sable (1960). This finding led Smiley (1969) to conclude that the upper part of the section, including the TM-02 sample locality, is a structurally repeated part of the lower Corwin Formation. This suggests that both samples represent only the lower part of the Corwin Formation, an interpretation that is supported by the absence of Albian zircons in sample TM-02. Tuff increases in abundance upward in the Corwin Bluff section (Smiley, 1969) and elsewhere in the North Slope is common in upper Nanushuk strata younger than about 100 Ma (Kelley et al., 1999). Thus, zircon grains of this age should be present in sample TM-02 if it is from the uppermost part of the Nanushuk Formation.

The third Nanushuk sample, sample 98TM-365 (N68.86894°, W161.79036°), was collected from nonmarine deposits in the upper Nanushuk (Corwin Formation of Chapman and Sable, 1960) in the core of the Tupikchak syncline near the top of Tupikchak Mountain on the southern margin of the Colville basin. Paleocurrent data suggest that the Nanushuk strata at Tupikchak Mountain may have source areas in the allochthons of the Brook Range fold-thrust belt located to the south (Molenaar, 1988; Mull, 1985).

Colville Basin Wedgetop Deposits

Three samples from the wedge-top deposits were collected for the study. Sample 04TM-143 (N68.60111°, W162.61233°) is from a thick sequence of Mt. Kelly Graywacke 0.5 km west of Eagle Creek, about 13 km south of the Eagle Creek well. The sample was taken from amalgamated sandstone deformed by a series of map-scale upright fold and is interpreted to be from the middle of the unit. Samples 04TM-141 (N68.54850°, W162.43731°) and 96TM-23B (N68.55694°, W162.40800°) (point count only) were collected from separate outcrops along an unnamed creek 2 km east of Tingmerkuk Mountain from thin-bedded sandstone and mudstone informally termed the “lower Brookian shale” unit by Mull (1995), which Wartes and Reifensstuhl (1998)

suggested is the basal part of the Mt. Kelly Graywacke (Tongue of the Fortress Mountain Formation) on the basis of compositional similarities. Although not well exposed, local map relations suggest that the lower shale unit rests unconformably on older strata of the autochthon and both were involved in later folding in the early Cenozoic (Moore et al., 2004).

Lower Allochthons

Two samples were collected from the Endicott Mountains allochthon in or near the Red Dog Mineral District. Sample 03CP-10 (N68.10972°, W163.00706°) was taken from a sandstone olistolith in scaly argillite of the Wolverine plate of the Endicott Mountains allochthon about 8 km northwest of the Red Dog Mine (Kelley and Jennings, 2004), whereas sample 10TM-105A (N68.19008°, W162.36967°) was collected from a 2-m-thick upward thickening sequence of laterally continuous sandstone turbidites in a thin-bedded, shale-rich sequence about 25 km northeast of the Red Dog Mine.

A third sample, sample 94TM-47 (N68.86831°, W165.97419°), was collected from seacliffs below VABM “Sharp” on the Lisburne Peninsula, about 10 km east of Cape Lisburne. This sample is from a tightly folded sequence of medium-bedded micaceous sandstone-rich turbidites. Although somewhat compositionally similar to the Mt. Kelly Graywacke, Moore and others (2002) concluded from middle Aptian apatite fission track cooling ages and hotter-on-colder thermal maturity data that these Brookian strata are more likely represent an allochthonous part of the Okpikruak Formation. These strata are considered here as belonging to a lower allochthon because they rest structurally on parautochthonous strata, although their precise relation with the Endicott Mountains allochthon is uncertain.

Upper Allochthons

Samples were collected from five localities from allochthons that overlie the Endicott Mountains allochthon. Two of these localities are from the Picnic Creek allochthon in the De Long Mountains. One of the Picnic Creek allochthon localities lies in a thrust imbricate in the eastern headwaters of the Tingmerkpuk River where a stratigraphic section of ~5 m of greenish serpentinite-rich sandstone grades upward into at least 10 m

of cream-weathering feldspathic sandstone. This sandstone, which was previously assigned to the quartz-rich Valanginian Tingmerkpuk Sandstone by Curtis and others (1990), consists of lithic sandstone that rests in a probable conformable relation with the underlying strata composed of carbonate and black chert. The black chert contains abundant spiculites and skeletal-rich turbidites that are characteristic of the Lisburne Group in the Picnic Creek allochthon (J. Dumoulin, written comm., 2012). Samples 10AD-5K (N68.50178°, W162.29461°) (point count only) and 10TM-78D (N68.50125°, W162.29475°) were collected from the serpentinite sandstone and the feldspathic sandstone unit, respectively. The serpentinite sandstone is significant because it indicates deposition in immediate proximity of ultramafic rocks, probably those of the Misheguk Mountain allochthon of the Angayucham terrane.

Locality 06TM-29 (N68.38608°, W162.72783°) lies about 10 km northeast of Sheep Mountain in the headwaters of the Kukpowruk River where steeply south-dipping lenticular units of amalgamated medium- to coarse-grained sandstone and cobble and boulder conglomerate are mapped as part of the Picnic Creek allochthon (unit Koc2 of Eilersieck and others 1990). This section rests on chert and argillite of the Etivluk Group on an apparently conformable contact and is overlain by a thick section of thin- to medium-bedded sandstone turbidites. The conglomerates are 1 to 3 m-thick, disorganized, and contain outsized well rounded cobbles and boulders to 1 m in diameter. Most conglomerate clasts are mafic rocks such as gabbros and amphibolites, which suggest a dominantly ophiolitic source area, although other clast types are also present. Sample 06TM-29A was taken from a sandstone bed that rests directly on a coarse layer of conglomerate. Samples 06TM-29B, a well-rounded, cobble-size clast of quartzite, and 06TM-29D, a subangular, boulder-size clast of granodiorite with abundant megacrysts of plagioclase were collected from the conglomerate layer.

The Okpikruak Formation associated with the Kelly River allochthon was sampled in two locations on opposite sides of the continental divide at Inaccessible Ridge. Near the headwaters of the Kokolik River north of the divide, the Okpikruak Formation rests depositionally on the Etivluk Group on the south flank of a map-scale anticline and consists of a lower unit of silty shale that grades up into an overlying unit of shale and medium-bedded sandstone turbidites (Curtis and others, 1984), from which sample

10TM-82B (N68.51069°, W161.89486°) was collected. A section composed of medium-bedded sandstone turbidites that may be >1 km thick overlies these strata. Across the divide and a regional synform about 12 km to the east, the Okpikruak rests on the Lisburne and Etivluk groups of the Kelly River allochthon in a spectacular syncline near the headwaters of Kagvik Creek (Curtis and others, 1984). Sample 04CP-30 (N68.51167°, W161.57647°) was taken from interval of thick-bedded to amalgamated sandstone interbedded with scaly shale on the south flank of the syncline. Although low in the section, this sample probably occupies a somewhat higher stratigraphic position in the Okpikruak than does sample 10TM-82B.

Two samples were collected from the Okpikruak Formation in the Iqnavik River allochthon in the northeastern Avan Hills, where the entire structural section of allochthons are exposed on the southeastern flank of a regional synform (Curtis and others, 1984). Sample 03CP-25 (N68.33881°, W161.60581°) was taken from thin-bedded fine- to medium-grained green calcareous sandstone in a shale-rich section of Okpikruak Formation. An additional sample, 03JD33A (N68.33833, W161.60833°) (point count only) was collected at a stratigraphically higher location in the same section

Unit Jw

Curtis and others (1984) mapped a succession of thin-bedded volcanogenic sandstone and mudstone turbidites in streamcuts along the Kuguruk River east of the southern Avan Hills as “unit Jw” (wacke and mudstone) and reported Late Jurassic pelecypods from the unit. We observed that unit Jw consists of locally bioturbated non-channelized fine-grained sandstone turbidites that display convolute lamination and other evidence of synsedimentary slumping. Broad map-scale folds with locally steep limbs and disharmonic zones are common.

Unit Jw is not exposed beyond the immediate area of the Kuguruk River and therefore its structural position is not clear but it was inferred to rest on either the Kelly River allochthon, Iqnavik River allochthon, or Nuka Ridge allochthon by Curtis and others (1990). Mafic rocks of the Copter Peak allochthon are mapped in adjacent areas to within 50 m of unit Jw and lie below unit Jw along the Kuguruk River. This suggests that unit Jw is most reasonably interpreted as resting on the Copter Peak

allochthon. Alternatively, unit Jw may overlie the Misheguk Mountain allochthon if the mafic rocks are instead interpreted to be the mafic volcanic upper part of the Misheguk Mountain ophiolite massif. Ophiolitic rocks, which constitute most of the Misheguk Mountain allochthon, crop out in the hills east the Kuguruk River where they dip westward toward the river and project under the section of Jw strata. Geochemical studies of the mafic volcanic rocks that might distinguish between these possibilities have not been done.

Sample 06CP-07 (N68.09789°, W161.56997°) was collected from a streamcut on the north side of the Kuguruk River, about 400 m east of the Late Jurassic fossil locality reported by Curtis et al (1984) and about 200 m stratigraphically below that location.

Sample 06TM-08 (N68.10100°, W161.54469°) was collected from the easternmost streamcuts of unit Jw on the east side of the Kuguruk River, about 1 km east of sample 06CP-06 from strata with similar compositional, depositional, and grain-size characteristics.

U-Pb ANALYTICAL TECHNIQUES

Mineral Separation

The samples underwent mineral separation at the laboratories of Apatite to Zircon, Inc., in Viola, Idaho. The samples were crushed using a jaw crusher and sieved through 300 µm nylon mesh. Instead of a conventional Wilfley or Gemini table, lithium polytungstate and a centrifuge were used to produce heavy mineral concentrate separations to ensure that zircon grains were not inadvertently washed away during the separation process. Diiodomethane and standard magnetic separation processes were then used to separate zircon grains from the heavy mineral concentrate. The separation procedure produced thousands of zircons from a sample that initially weighed about 1 kilogram.

Following separation, zircons standards and unknowns were mounted in 1-cm² epoxy wafers and ground down to expose internal grain surfaces before final polishing. Grains and the locations for laser spots on these grains were selected using a high power

optical microscope with transmitted light. This method was used instead of cathodoluminescence 2-D imaging because it allows the recognition of features such as inclusions and cracks below the surface of individual grains that could otherwise result in spurious isotopic counts. One hundred grains were selected, part of which were chosen to represent the variation of sizes, colors, and morphologies of the zircons present in the sample. A larger fraction of the grains were selected by random process. This methodology captures the ages of the broad range of zircon types present as well as providing a measure of their relative abundances.

Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS)

U-Pb analysis was conducted by Apatite to Zircon, Inc. using LA-ICP-MS at two laboratories. Table SF2 reports 1665 zircon grain ages from 17 rocks performed at the Washington State University Geoanalytical Laboratory in Pullman, Washington, U.S.A. (e.g., Chang et al., 2006). Table SF3 reports the analytical results for 223 zircon grain ages from five of the same samples that were completed at the laboratories of Apatite to Zircon, Inc. in Viola, Idaho.

For the U-Pb analyses performed at the Washington State Geoanalytical Laboratory, approximately 80 to 100 grains per samples were analyzed on a New Wave YAG 213 nm laser ablation (LA) system in line with a Finnigan Element2 magnetic sector, inductively coupled plasma, mass spectrometer (ICP-MS). All analyses, including standards and unknowns, were performed using a 20 μm spot. Following approximately 6 seconds of background data collection, laser ablation commenced and signal data were collected by scanning repeatedly across the masses (in atomic mass units): 202, 204, 206, 207, 208, 232, 235, and 238. Ablated material was transported to the plasma line using He; Ar was the plasma gas. A total of 250 data scans were collected for each zircon spot analyzed and consisted of (1) approximately 55 background scans; (2) approximately 20 transition scans between background and background plus signal, and (3) approximately 175 background plus signal scans. Four standard spots were analyzed prior to and following each group of approximately 25-30 unknown sample spots to correct for machine fluctuations and to determine fractionation factors. Common Pb

correction was made by using the measured ^{204}Pb content and assuming an initial Pb composition from Stacey and Kramers (1975).

More recently, 30 grains each from four samples selected for zircon fission track U-Pb double-dating and 60 zircons in sample 06TM-08 from unit Jw were analyzed using an Agilent 7700x quadrupole mass spectrometer attached to a Resonetics RESolution M-50 Eximer laser at the laboratories of Donelick Properties, Inc. in Viola, Idaho. All analyses, including standards and unknowns, were performed using a 26 μm spot. A total of 47 data scans were collected for each zircon spot analyzed including (1) approximately six background scans; (2) approximately three transition scans between background and background plus signal, and (3) approximately 38 background plus signal scans. A total of 35 different isotopes were scanned, ranging between ^{24}Mg through ^{238}U . Approximately 28 seconds were allowed between each analysis in order to clear the system prior to the next background data collection. Ablated material was transported to the plasma line using ultra-high purity He gas; ultra-high purity Ar was the plasma gas. A total of 26 standard spots (for zircon U-Pb) and 10 zeta spots (for ZFT) were analyzed at the beginning, middle, and end of the session; an additional 13 standard spots were analyzed prior to and following each group of 15 unknown sample spots to correct for machine fluctuations and constrain fractionation factors. Fractionation factors were calculated based on the following assumptions: (1) ^{235}U values were calculated from measured ^{238}U values (Steiger and Jäger, 1977), and (2) zero fractionation was assumed between ^{206}Pb and ^{207}Pb . The Stacey and Kramers (1975) common Pb model for Earth was used. Ages and common Pb ratios were determined iteratively using a pre-set, session-wide minimum common Pb age value (the default minimum common Pb age was set equal to the age of the oldest age standard in current session).

Uncertainties shown in Tables SF2 and SF3 are calculated as asymmetric errors that were generated from the standards employed in the analysis and fractionation factors, as well as those caused by machine error. The most precise age from the concordant-scan-weighted ratio $^{207}\text{Pb}/^{235}\text{U}$, $^{206}\text{Pb}/^{238}\text{U}$ or $^{207}\text{Pb}/^{206}\text{Pb}$ was selected as the preferred age as shown in Tables SF2 and SF3.

U-Pb Data Analysis

Previous LA-ICP-MS studies of U-Pb zircon dating used the so-called intercept method, which assumes that isotopic ratio varies linearly with scan number due solely to linearly varying isotopic fractionation (Chang et al., 2006; Gerhels et al., 2008). The data modeling approach favored here is the modeling of background-corrected signal intensities for each isotope at each scan. Background intensity for each isotope was calculated using a fitted line (for decreasing background intensity) or using the arithmetic mean (for non-decreasing background intensity) at the global minimum of selected isotopes (^{206}Pb , ^{232}Th , and ^{238}U) for the spot. Background plus signal intensity for each isotope at each scan was calculated using the median of fitted (2nd-order polynomial) intensity values for a moving window (7 scans wide) that includes the scan. The precision of each background-corrected signal intensity value was calculated from the precision of background intensity value and the precision of the background plus signal intensity value. Zircon UPb age standards used in this study are summarized in Table SF4, including the 1099 ± 0.6 Ma FC zircon (FC-1 of Paces and Miller, 1993) used here as the primary age standard. Isotopic data for FC were used to calculate Pb/U fractionation factors and their absolute errors for each FC data scan at each FC spot; these fractionation factors were smoothed session-wide for each data scan using the median of fitted (1st-order polynomial) fractionation factor values for a moving window (11 FC spots wide) that includes the current FC spot and scan. Under the operating conditions of the LA-ICP-MS sessions in this study, fractionation factors were found to vary strongly with scan number, decreasing with increasing scan number presumably due to increasing ablation pit depth and the effect this had on fractionation (e.g., Paton et al., 2010). The zircon crystal lattice is widely known to accumulate α -radiation damage (e.g., Zhang et al., 2009 and references therein). It is assumed that increased α -damage in a zircon leads to a decrease in the hardness of the zircon; this in turn leads to a faster rate of laser penetration into the zircon during ablation leading to dependence of isotopic fractionation on the degree of zircon lattice radiation damage. Ages calculated for all zircon age standards, when those standards were treated as unknowns, were used to construct a fractionation factor correction curve (exponential form) in terms of accumulated radiation damage. The notion of matrix-matched zircon standard and zircon

unknown has been proposed largely on the basis of trace element chemistry (e.g., Black et al., 2004). In this study, time and lattice damage, parameters invisible to instruments used to characterize trace element chemistry, were introduced and applied based on measured U and Th chemistries to effectively matrix-match standard and unknown zircons.

Uranium decay constants and the $^{238}\text{U}/^{235}\text{U}$ isotopic ratio reported in Steiger and Jäger (1977) were used in this study. Errors for the isotopic ratios $^{207}\text{Pb}/^{235}\text{U}_c$ (where $^{235}\text{U}_c = 137.88^{238}\text{U}$), $^{206}\text{Pb}/^{238}\text{U}$, and $^{207}\text{Pb}/^{206}\text{Pb}$ at each scan included errors from the background-corrected signal values for each isotope, the fractionation factor error, and an additional relative error term required to force 95% of the FC ages to be concordant. Ages for the ratios $^{207}\text{Pb}/^{235}\text{U}_c$, $^{206}\text{Pb}/^{238}\text{U}$, and $^{207}\text{Pb}/^{206}\text{Pb}$ were calculated for each data scan and checked for concordance; concordance here was defined as overlap of all three ages at the 1σ level (the use of 2σ level was found to skew the results to include scans with any significant common Pb). If the number of concordant data scans for a spot was greater than zero, the more precise age from the concordant-scan-weighted ratio $^{207}\text{Pb}/^{235}\text{U}_c$, $^{206}\text{Pb}/^{238}\text{U}$ or $^{207}\text{Pb}/^{206}\text{Pb}$ was chosen as the preferred age. Asymmetrical negative-direction and positive-direction age errors were calculated by subtracting and adding, respectively, the isotopic ratio errors in the appropriate age equation.

Filtering of U-Pb data

The number of scans that yielded at least one concordant U-Pb age for each analyzed grain are reported with the preferred age for each zircon grain in Tables SF-1 and SF-2. We have used only those analyses that yielded at least 5 concordant scans in the graphs, plots, statistics and discussion in this publication to ensure that sufficient information has been collected to determine a reliable U-Pb age.

Review of the two samples from unit Jw (samples 06CP-07 and 06TM-08) reveals inconsistencies that require special consideration. Unlike sample 06CP-07 which displays a unimodal age distribution between 150 and 170 Ma that is consistent with the Tithonian (150.8–145.5 Ma) age of the nearby fossil locality reported by Curtis et al., (1984), the raw data from sample 06TM-08 displays a distinctly bimodal Jurassic and

Early Cretaceous zircon age distribution, with one peak at 129 Ma (Barremian) and the second at 168 Ma (Bajocian). The youngest population in this sample seemingly would require a Barremian or younger age for at least this part of unit Jw.

Because unit Jw is a volcanogenic turbidite unit without obvious internal facies changes, compositional changes, or unconformities, it seems unlikely that there would be a difference of 15 my in age between these samples. We note that nearly all of the zircons in the younger population are highly enriched in uranium and thorium, and in a plot of U content versus age form a cloud of data that trend toward high U content and younger age and away from the main group of zircon ages at lower U content in both this sample and sample 06CP-07 (Figure SF2). This indicates that these zircons may have suffered radiation damage and consequent lead loss that reduced the U-Pb age of these grains (Figure SF2). On the basis of this reasoning, we conclude that the Barremian population in sample 06TM-08 consists of apparent ages that were modified from the dominant Jurassic population by an alteration event such as the fluid migration event that produced the pervasive laumontite-rich alteration that is evident in the thin sections from unit Jw. Accordingly, grain ages that have high U contents have been omitted from the plots and discussions we show in this report, although they are retained in Tables SF2 and SF3 but shown with strike-through symbols. The allowed upper limit in U content was determined by inspection of the data in Figure SF2 and differs between the analyses in Tables SF2 and SF3 because of differences in the mass spectrometers used to date the samples. For zircons that were dated at the Washington State University Geoanalytical Laboratory (sample 06TM-08, Table SF2), grain ages having more than 3000 ppm U were omitted. For zircons that were dated at the laboratories of Apatite to Zircon in Viola, ID (sample 06TM-08, Table SF3), grain ages having U contents of 500 ppm or more were omitted.

ZIRCON FISSION-TRACK ANALYTICAL TECHNIQUES

Methods

Sample preparation methods used here for zircon fission-track analysis are similar to those discussed in detail by Donelick et al. (2005). Zircon fission tracks were revealed by embedding the zircon grains in FEP Teflon, polishing the grains to expose internal grain surfaces, and etching the fission tracks in an eutectic melt of NaOH-KOH at ~230°C for 24-72 hours. The polished and etched zircon grain surfaces were then cleaned in reagent-grade 48% HF for 15 minutes at 23°C. Fission tracks were viewed and counted at 2000x (Zeiss Axioplan microscope; analyst Paul B. O'Sullivan) dry magnification using unpolarized, transmitted light with or without reflected light. ZFT age grains were selected to sample the greatest range of observable characteristics (size, degree of roundness, color, etch figure size, etc.). Fission track ages were calculated using the scheme presented by Donelick et al. (2005) using a modified zeta calibration approach after Hurford and Green (1983; see also Hasebe et al., 2004).

Modeling

Data having large and variable uncertainties with multiple modes such as those associated with fission-track data from detrital rocks can be difficult to analyze on probability density plots because of the smoothing affect of large uncertainties. Deconvolution applications are helpful for analyzing these types of populations and for performing mixture modeling to guide modal analysis and geologic interpretation. For this study, we employ RadialPlotter (Vermeesch, 2009), a user-friendly application for generating radial plots for the purpose of determining model peaks in the ZFT data we collected from the western Brooks Range.

Radial plots generated in RadialPlotter for the ZFT data from the western Brooks Range (Table SF5) are shown in Figure SF3. For data from samples 10TM-78D, 04TM-141, and TM-02, the plots were constructed using the automatic plotting function provided by the application, which modeled the data in each sample as consisting of two modes, one in the Late Paleozoic or Triassic (300-205 Ma) and the other in the Late Jurassic or Early Cretaceous (155-116 Ma).

The automatic plotting function also produced a two-mode model for the data from sample (03CP-25) with peaks at 438 Ma (Silurian) and 187 Ma (Early Jurassic) (Figure SF3). Because these ages appear to have little geological significance and grains having

Brookian cooling ages are present in the data set, mixing models with different numbers of modes were experimented with but also did not produce modes with Brookian ages. Therefore an ad hoc approach was used that divided the data from this sample into two groups, one consisting of data with mean values older than 200 Ma and the other of data with mean values younger than 200 Ma. Each group was analyzed separately in RadialPlotter yielding a single mode for each group. Because one data point in the younger group is an outlier at 75 Ma and this age approximates the time of late Brookian deformation (70–55 Ma, Moore et al, 2004), and because of this single result has an outsized impact on the statistically small population of grains that have ZFT ages <200 Ma, this data point was omitted from the analysis. This approach yielded model ages of 164 ± 11 Ma and 288 ± 17 Ma for the two groups of data from sample 03CP-25 (dashed lines in Fig. SF3A) which are consistent with the results from the other samples (Fig. SF3B, SF3C, and SF3D). Possibly the program was unable to generate a mode in the age range of Brookian deformation even though there is data of that age because the number of Jurassic and Early Cretaceous data points were too few relative to those of the entire distribution. This may indicate that tectonic burial or erosional unroofing in the source area in Chukotka at early stages of the Brookian orogeny was insufficient to produce many detrital zircons that have experienced cooling from temperatures above the annealing temperature of zircon.

For the radial plot of the combined data set (Figure SF3E), the automatic function suggested a mixing model consisting of three modes (340 ± 25 , 180 ± 11 , and 96 ± 15). Considering that this model appears to have only limited geologic significance and three of the four samples could be modeled with a two-component model, the two-component mixture model function offered by the program was selected and the data reanalyzed. This produced the model shown in Figure SF3E having modes at 152 ± 6 Ma and 296 ± 24 Ma, a result that is consistent with results of the modeling of most of the individual samples.

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FIGURES

Figure SF1. Relative age probability plots with histograms for zircon ages collected from individual sandstone samples collected in this study. Plots on left show age distribution of zircons less than 3000 Ma; diagrams on right show only zircons younger than 1000 Ma.

Figure SF2. Scatter plots showing uranium concentration vs U-Pb age for samples from unit Jw. A. Data from sample 06TM-08 determined by LA ICPMS at the Washington State University GeoAnalytical Laboratory in Pullman, Washington; B. Data from sample 06TM-08 determined by LA ICPMS using an Agilent 7700x quadrupole at the laboratories of Apatite to Zircon, Inc in Viola, Idaho; C. Data from sample 06CP-07 determined by LA ICPMS at the Washington State University GeoAnalytical Laboratory in Pullman, Washington (note change of scale in C relative to A and B). Data above horizontal dotted lines show scatter toward high U concentrations and younger ages away from data below the dotted line and the data of sample 06CP-07. This suggests that the grains with high concentrations of U may

have suffered lead loss. Consequently, data from analyses above the dotted lines on Figs. SF3A, 3B from sample 06TM-08 are omitted from consideration in this paper. The positions of the dotted lines were determined by inspection of the data for each instrument.

Figure SF3. Radial plots of zircon fission-track data showing preferred mixing models for pre-Jurassic fission-track ages from A., sample 03CP-25; B., sample 10TM-78D; C., sample 04TM-141, D., sample TM-02; and E., all sample data combined. Solid lines show mixing model ages selected by the RadialPlotter program (Vermeesch, 2009); dashed lines show the ad hoc, two-part analysis for sample 03CP-25 described above.

TABLES

Table SF1. Point count data and percentage of framework grains of Brookian sandstones, western Brooks Range.

Table SF2. U-Pb data collected by Laser Ablation Inductively Coupled Plasma Mass Spectrometry at Washington State University Geoanalytical Laboratory, Pullman, Wa.

Table SF3. U-Pb data collected by Laser Ablation Inductively Coupled Plasma Mass Spectrometry at Apatite to Zircon, Inc. Laboratory, Viola, Idaho.

Table SF4. Zircon age standards used in this study.

Table SF5. Zircon fission-track age data and U-Pb ages for double-dated zircon grains.

TABLE SF1. POINT COUNT DATA AND PERCENTAGE OF FRAMEWORK GRAINS OF BROOKIAN SANDSTONES, WESTERN BROOKS RANGE

Sample	Grain size	Total count	FG count	Framework Grains (FG)																				Non-framework Materials								
				Qm	Qpg	Qc	P	K	Lsa	Lac	Lss	Lsc	Lm	Lv	Ld	Lsp	Lgr	wm	ch	bt	px	am	ep	hm	op	ofg	Cm	Cc	Cs	Cz	OC	
Foredeep samples																																
TM-01	f-m	410	400	119	16	42	62	tr	47	10	51	37	3	0	0	0	2	tr	2	0	0	0	0	4	4	1	1	9	0	0	0	
%				30	4	11	16	0	12	3	13	9	1	0	0	0	1		1					1	1	0						
TM-02	m	415	395	135	8	65	63	8	32	6	38	35	1	0	0	0	1	0	0	0	0	0	0	tr	3	0	8	13	0	0	0	
%				34	2	16	16	2	8	2	10	9	0	0	0	0	0	0	0	0	0	0	0	0	1	0						
98TM-365A	m	432	401	133	7	72	37	tr	6	19	6	94	3	11	0	1	1	4	tr	0	0	0	0	1	5	1	4	25	2	0	0	
%				33	2	18	9	0	1	5	1	23	1	3	0	0	0	1	0	0	0	0	0	0	1	0						
Wedgetop samples																																
96TM-23B	m	430	401	120	11	10	7	0	9	8	5	205	11	2	0	0	0	5	3	0	0	0	0	1	4	0	13	12	2	2	0	
%				30	3	2	2	0	2	2	1	51	3	0	0	0	0	1	1	0	0	0	0	0	1	0						
04TM-141	f-m	453	431	143	7	34	52	0	27	29	10	105	6	2	0	0	0	6	0	0	0	0	1	0	9	0	12	10	0	0	0	
%				33	2	8	12	0	6	7	2	24	1	0	0	0	0	1	0	0	0	0	0	0	2	0						
04TM-143	c	460	402	79	12	34	26	0	39	6	5	165	21	4	1	6	1	tr	2	0	0	0	0	tr	0	1	1	57	0	0	0	
%				20	3	8	6	0	10	1	1	41	5	1	0	1	0	0	0	0	0	0	0	0	0	0						
Low allochthon samples																																
94TM-47	m	416	400	47	4	28	9	0	71	53	57	111	12	0	0	0	0	0	1	0	0	0	0	1	6	0	14	2	0	0	0	
%				12	1	7	2	0	18	13	14	28	3	0	0	0	0	0	0	0	0	0	0	0	2	0						
10TM-105A	m	431	400	145	10	44	15	0	23	10	5	96	36	5	0	1	0	4	1	0	0	0	0	1	3	1	6	25	0	0	0	
%				36	3	11	4	0	6	3	1	24	9	1	0	0	0	1	0	0	0	0	0	0	1	0						
03CP-10	m	419	411	167	3	46	92	0	33	11	32	4	4	tr	0	4	7	tr	tr	tr	0	0	0	2	6	0	7	1	0	0	0	
%				41	1	11	22	0	8	3	8	1	1	0	0	1	2	0	0	0	0	0	0	0	1	0						
High allochthon samples																																
06TM-29A	m	454	404	23	3	52	29	4	39	0	18	40	8	29	33	41	1	0	1	0	22	17	15	1	16	12	13	36	0	1	0	
%				6	1	13	7	1	10	0	4	10	2	7	8	10	0	0	0	0	5	4	4	0	4	3						
10TM-78D	f-m	465	445	174	5	54	96	0	46	0	44	3	7	3	0	3	3	2	1	tr	0	0	0	1	2	1	19	tr	0	0	1	
%				39	1	12	22	0	10	0	10	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0						
10AD-5K	m	417	403	84	6	17	16	tr	35	18	16	82	8	11	1	104	0	1	0	tr	1	0	0	0	3	0	10	3	0	0	1	
%				21	1	4	4	0	9	4	4	20	2	3	0	26	0	0	0	0	0	0	0	0	1	0						
10TM-82B	m	435	429	34	14	38	46	0	56	2	26	41	21	41	3	83	3	tr	0	0	2	tr	4	6	9	0	5	5	0	0	0	
%				8	3	9	11	0	13	0	6	10	5	10	1	19	1	0	0	0	0	1	1	2	0							
04CP-30	f-m	450	435	48	6	46	85	0	26	0	14	19	15	18	16	66	2	0	1	tr	29	12	0	10	14	8	7	8	0	2	7	
%				11	1	11	20	0	6	0	3	4	3	4	4	15	0	0	0	0	7	3	0	2	3	2						
03CP-25	f-m	466	436	95	2	8	117	8	61	1	2	44	5	78	tr	1	4	1	1	tr	0	0	0	2	5	1	1	15	0	14	0	
%				22	0	2	27	2	14	0	0	10	1	18	0	0	1	0	0	0	0	0	0	0	1	0						
03JD-33	m	427	400	109	6	19	108	2	43	5	15	3	2	84	0	0	0	1	0	0	0	tr	tr	1	2	0	12	9	4	1	1	
%				27	2	5	27	1	11	1	4	1	1	21	0	0	0	0	0	0	0	0	0	0	1	0						
High allochthon clast																																
06TM-29B	m-c	502	400	312	2	7	11	41	2	0	4	15	0	0	0	0	4	0	0	0	0	0	0	tr	2	0	0	72	30	0	0	
%				78	1	2	3	10	1	0	1	4	0	0	0	0	1	0	0	0	0	0	0	0	1	0						
Unit Jw samples																																
06TM-08	m	426	400	90	7	12	108	1	8	0	3	3	1	68	0	12	10	0	1	1	9	3	39	2	21	1	5	5	0	15	1	
%				23	2	3	27	0	2	0	1	1	0	17	0	3	3	0	0	0	2	1	10	1	5	0						
06CP-07	m	493	400	50	1	31	92	3	24	1	1	3	0	167	0	2	5	0	0	0	4	0	9	2	5	0	1	27	0	65	1	
%				13	0	8	23	1	6	0	0	1	0	42	0	1	1	0	0	0	1	0	2	1	1	0						

Note: See Table 2 for abbreviations and definition of framework grains counting parameters. Other abbreviations: FG, framework grains; Cm, clay minerals; Cc, carbonate; Cs, siliceous minerals; Cz, zeolites, OC, other cements. Percentage values shown in red.

TABLE SF2. U-Pb DATA COLLECTED BY LASER ABLATION INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY AT WASHINGTON STATE UNIVERSITY GEOANALYTICAL LABORATORY, PULLMAN, WA.

Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages (Ma)						Preferred Age (Ma)						Scans			
Spot	U (ppm)	Th (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Corr.	207Pb/235U Age	2 - sigma	2 + sigma	206Pb/238U Age	2 - sigma	2 + sigma	207Pb/206Pb Age	2 - sigma	2 + sigma	Preferred Age	2 - sigma	2 + sigma	Preferred Age From:	Concordant Scans	Total Scans
Foredeep sandstones																									
Sample TM-01 (Apatite to Zircon, Inc. 782-01); Upper Nanushuk Formation (N68.88686°, W164.93878°)																									
78201_1	973	452	2.15	2.07891	0.05107	0.19310	0.00334	0.07808	0.00203	0.17	1141.88	16.91	16.77	1138.17	18.03	18.01	1148.92	52.17	51.30	1141.88	16.91	16.77	207Pb/235U	134	178
78201_2	940	910	1.03	0.38596	0.01903	0.05300	0.00114	0.05282	0.00267	0.13	331.41	13.99	13.89	332.89	6.98	6.97	321.05	116.95	112.87	332.89	6.98	6.97	206Pb/238U	113	178
78201_3	1147	1073	1.07	0.38319	0.01612	0.05225	0.00116	0.05319	0.00233	0.15	329.38	11.87	11.80	328.33	7.10	7.10	336.81	100.70	97.66	328.33	7.10	7.10	206Pb/238U	106	178
78201_6	1455	640	2.27	4.25514	0.11089	0.28687	0.00609	0.10758	0.00301	0.24	1684.73	21.54	21.31	1625.89	30.57	30.49	1758.79	51.61	50.73	1684.73	21.54	21.31	207Pb/235U	117	178
78201_7	3758	1722	2.18	4.79347	0.17593	0.30467	0.00960	0.11411	0.00377	0.52	1783.76	31.07	30.60	1714.43	47.53	47.35	1865.85	60.19	58.99	1783.76	31.07	30.60	207Pb/235U	84	178
78201_8	2328	1252	1.86	0.39328	0.01368	0.05287	0.00117	0.05395	0.00199	0.16	336.76	9.99	9.94	332.09	7.19	7.19	369.14	84.27	82.12	332.09	7.19	7.19	206Pb/238U	129	178
78201_9	1443	710	2.03	0.38998	0.01410	0.05313	0.00108	0.05324	0.00205	0.09	334.35	10.32	10.27	333.71	6.58	6.58	338.83	88.49	86.13	333.71	6.58	6.58	206Pb/238U	118	178
78201_10	641	450	1.42	0.21369	0.01986	0.02956	0.00083	0.05242	0.00498	0.06	196.65	16.68	16.55	187.81	5.21	5.21	303.99	224.21	209.69	187.81	5.21	5.21	206Pb/238U	91	178
78201_11	839	246	3.41	0.51941	0.02630	0.06711	0.00158	0.05613	0.00293	0.13	424.76	17.65	17.50	418.72	9.58	9.57	457.64	117.89	113.71	418.72	9.58	9.57	206Pb/238U	98	178
78201_12	818	267	3.06	0.70208	0.02557	0.08760	0.00182	0.05813	0.00223	0.12	540.03	15.31	15.20	541.32	10.80	10.79	534.61	85.22	83.00	541.32	10.80	10.79	206Pb/238U	127	178
78201_14	4256	254	16.75	1.38794	0.10025	0.13421	0.00658	0.07500	0.00486	0.48	883.82	43.08	42.19	811.83	37.44	37.33	1068.62	133.10	127.60	811.83	37.44	37.33	206Pb/238U	36	178
78201_15	1864	457	4.08	0.26638	0.01060	0.03803	0.00070	0.05080	0.00210	0.08	239.80	8.52	8.48	240.61	4.37	4.37	231.87	96.82	94.02	240.61	4.37	4.37	206Pb/238U	129	178
78201_16	1035	601	1.72	0.43208	0.01894	0.05811	0.00120	0.05393	0.00244	0.11	364.65	13.48	13.39	364.10	7.29	7.28	368.17	103.57	100.34	364.10	7.29	7.28	206Pb/238U	125	178
78201_17	570	612	0.93	0.51165	0.02765	0.06669	0.00151	0.05564	0.00310	0.10	419.56	18.66	18.49	416.20	9.14	9.14	438.08	126.29	121.51	416.20	9.14	9.14	206Pb/238U	123	178
78201_18	2190	721	3.04	12.91677	0.32826	0.49543	0.01089	0.18909	0.00529	0.22	2673.60	24.09	23.81	2594.13	47.05	46.88	2734.27	46.38	45.64	2673.60	24.09	23.81	207Pb/235U	97	178
78201_19	1695	760	2.23	0.22938	0.01054	0.03264	0.00070	0.05097	0.00242	0.11	209.69	8.72	8.68	207.05	4.37	4.37	239.46	111.48	107.78	207.05	4.37	4.37	206Pb/238U	110	178
78201_20	971	560	1.73	0.51059	0.02383	0.06724	0.00154	0.05507	0.00268	0.11	418.85	16.08	15.96	419.54	9.33	9.32	415.05	110.83	107.14	419.54	9.33	9.32	206Pb/238U	116	178
78201_21	3352	3919	0.86	1.14023	0.05440	0.12374	0.00317	0.06683	0.00326	0.18	772.62	25.97	25.65	752.08	18.18	18.15	832.46	103.46	100.15	752.08	18.18	18.15	206Pb/238U	124	178
78201_22	1077	373	2.88	2.90102	0.07845	0.23413	0.00470	0.08987	0.00248	0.26	1382.18	20.52	20.32	1356.10	24.58	24.53	1422.68	53.14	52.22	1382.18	20.52	20.32	207Pb/235U	148	178
78201_23	652	310	2.10	0.28488	0.02472	0.03926	0.00111	0.05263	0.00471	0.04	254.52	19.63	19.44	248.23	6.87	6.87	312.92	210.22	197.39	248.23	6.87	6.87	206Pb/238U	76	178
78201_25	1425	949	1.50	0.26290	0.01453	0.03630	0.00102	0.05253	0.00300	0.16	237.00	11.72	11.65	229.83	6.37	6.36	308.68	132.73	127.50	229.83	6.37	6.36	206Pb/238U	89	178
78201_28	447	151	2.96	0.42450	0.02862	0.05642	0.00161	0.05457	0.00384	0.08	359.27	20.51	20.30	353.82	9.81	9.81	394.59	161.90	154.15	353.82	9.81	9.81	206Pb/238U	94	178
78201_30	447	336	1.33	0.31054	0.03464	0.04223	0.00121	0.05334	0.00604	0.05	274.60	27.02	26.66	266.62	7.46	7.46	343.17	267.10	246.69	266.62	7.46	7.46	206Pb/238U	105	177
78201_31	1848	882	2.10	0.32954	0.01177	0.04477	0.00098	0.05339	0.00202	0.13	289.21	9.01	8.97	282.31	6.05	6.04	345.41	86.70	84.43	282.31	6.05	6.04	206Pb/238U	118	177
78201_32	2258	2467	0.92	0.29474	0.01146	0.04099	0.00094	0.05215	0.00212	0.14	262.28	9.01	8.97	258.97	5.80	5.80	292.00	94.32	91.65	258.97	5.80	5.80	206Pb/238U	131	178
78201_34	2182	409	5.33	0.15212	0.01021	0.02194	0.00056	0.05028	0.00347	0.08	143.79	9.01	8.97	139.92	3.52	3.52	207.98	163.95	156.10	139.92	3.52	3.52	206Pb/238U	82	178
78201_35	2579	1651	1.56	0.49838	0.01520	0.06583	0.00145	0.05490	0.00180	0.16	410.60	10.32	10.27	411.01	8.76	8.75	408.32	74.08	72.41	411.01	8.76	8.75	206Pb/238U	134	178
78201_36	1622	572	2.84	5.80642	0.15003	0.34676	0.00748	0.12145	0.00340	0.20	1947.37	22.51	22.26	1919.10	35.85	35.75	1977.57	50.32	49.47	1947.37	22.51	22.26	207Pb/235U	150	178
78201_37	1897	1595	1.19	4.62419	0.12795	0.29971	0.00657	0.11190	0.00330</																

78201_90	1406	1255	1.12	0.31240	0.01816	0.04284	0.00196	0.05289	0.00288	0.45	276.04	14.10	14.00	270.41	12.15	12.14	324.05	126.06	121.33	270.41	12.15	12.14	206Pb/238U	141	178
78201_91	726	274	2.65	0.41956	0.02303	0.05741	0.00211	0.05301	0.00300	0.25	355.74	16.54	16.41	359.84	12.85	12.84	329.05	131.18	126.06	359.84	12.85	12.84	206Pb/238U	128	175
78201_92	3056	1032	2.96	0.36744	0.01746	0.04763	0.00183	0.05595	0.00251	0.44	317.75	13.01	12.93	299.95	11.29	11.28	450.44	101.25	98.15	299.95	11.29	11.28	206Pb/238U	98	178
78201_93	447	303	1.48	12.63791	0.51318	0.48642	0.01800	0.18843	0.00788	0.37	2653.05	38.57	37.85	2555.19	78.29	77.82	2728.54	69.69	68.03	2653.05	38.57	37.85	207Pb/235U	151	177
78201_94	1881	738	2.55	6.57134	0.22850	0.35394	0.01047	0.13466	0.00461	0.38	2055.51	30.88	30.41	1953.37	49.95	49.76	2159.57	60.30	59.08	2055.51	30.88	30.41	207Pb/235U	106	178
78201_95	1263	310	4.08	7.30076	0.33304	0.36336	0.01454	0.14573	0.00682	0.37	2148.90	41.15	40.34	1998.06	68.92	68.56	2296.36	81.55	79.33	2148.90	41.15	40.34	207Pb/235U	82	178
78201_97	2743	6036	0.45	0.28306	0.04941	0.03838	0.00402	0.05349	0.00919	0.32	253.09	39.49	38.73	242.77	24.96	24.92	349.83	413.55	366.56	242.77	24.96	24.92	206Pb/238U	66	178
78201_99	2008	699	2.87	0.31960	0.03953	0.03911	0.00223	0.05927	0.00752	0.16	281.60	30.65	30.19	247.29	13.83	13.82	577.18	288.50	264.51	247.29	13.83	13.82	206Pb/238U	29	177
78201_100	523	333	1.57	3.95766	0.13425	0.26912	0.00760	0.10666	0.00373	0.29	1625.56	27.68	27.31	1536.34	38.65	38.53	1743.05	64.72	63.35	1625.56	27.68	27.31	207Pb/235Uc	121	175
Sample TM-02 (Apatite to Zircon, Inc. 1003-02); Upper Nanushuk Formation (N68.86528°, W165.23053°)																									
100302_1	599	280	2.14	0.63097	0.04286	0.08045	0.00422	0.05688	0.00397	0.31	496.70	26.86	26.51	498.81	25.22	25.17	487.00	157.78	150.36	498.81	25.22	25.17	206Pb/238U	150	173
100302_2	148	203	0.73	0.39026	0.06139	0.04924	0.00579	0.05749	0.00928	0.33	334.56	45.34	44.35	309.83	35.63	35.53	510.25	376.02	336.40	309.83	35.63	35.53	206Pb/238U	114	173
100302_3	145	66	2.20	5.69812	0.31758	0.34456	0.01703	0.11994	0.00602	0.51	1931.08	48.72	47.58	1908.57	81.93	81.42	1955.33	91.02	88.29	1931.08	48.72	47.58	207Pb/235U	164	173
100302_4	364	311	1.17	0.28419	0.02477	0.03922	0.00261	0.05255	0.00456	0.36	253.98	19.68	19.49	248.01	16.23	16.21	309.45	204.00	191.90	248.01	16.23	16.21	206Pb/238U	109	173
100302_5	559	281	1.99	0.49828	0.03328	0.06547	0.00402	0.05520	0.00375	0.40	410.54	22.68	22.43	408.82	24.33	24.29	420.19	155.49	148.31	410.54	22.68	22.43	207Pb/235U	157	173
100302_6	155	126	1.23	1.06434	0.07330	0.11907	0.00589	0.06483	0.00476	0.21	735.96	36.38	35.74	725.21	33.96	33.87	768.83	158.61	150.99	725.21	33.96	33.87	206Pb/238U	154	173
100302_8	153	136	1.12	0.83135	0.06567	0.10047	0.00610	0.06001	0.00484	0.33	614.36	36.74	36.09	617.15	35.80	35.70	604.11	179.59	169.98	617.15	35.80	35.70	206Pb/238U	139	173
100302_9	191	62	3.10	0.64054	0.06240	0.08134	0.00577	0.05711	0.00544	0.38	502.64	38.99	38.26	504.15	34.44	34.35	495.80	216.94	203.15	504.15	34.44	34.35	206Pb/238U	141	173
100302_10	61	80	0.77	1.23407	0.12248	0.12724	0.00749	0.07034	0.00710	0.24	816.19	56.45	54.92	772.13	42.93	42.79	938.28	214.17	200.38	772.13	42.93	42.79	206Pb/238U	135	173
100302_11	326	59	5.54	5.18441	0.34882	0.32178	0.02207	0.11685	0.00748	0.53	1850.06	58.09	56.48	1798.44	108.08	107.18	1908.61	117.25	112.78	1850.06	58.09	56.48	207Pb/235U	167	173
100302_12	803	273	2.95	0.39706	0.02556	0.05384	0.00308	0.05349	0.00350	0.39	339.52	18.66	18.49	338.03	18.86	18.83	349.67	151.34	144.56	339.52	18.66	18.49	207Pb/235U	142	173
100302_13	277	194	1.43	0.12638	0.02171	0.01742	0.00143	0.05260	0.00919	0.19	120.84	19.66	19.47	111.36	9.06	9.06	311.64	424.32	375.10	111.36	9.06	9.06	206Pb/238U	99	173
100302_14	558	170	3.28	0.27572	0.02806	0.03784	0.00348	0.05284	0.00510	0.49	247.26	22.46	22.22	239.45	21.65	21.61	322.05	227.11	212.21	239.45	21.65	21.61	206Pb/238U	129	173
100302_15	180	120	1.50	0.32877	0.04390	0.04348	0.00332	0.05485	0.00767	0.19	288.63	33.82	33.27	274.34	20.54	20.50	406.01	329.05	298.50	274.34	20.54	20.50	206Pb/238U	112	173
100302_16	67	57	1.18	4.84652	0.35835	0.30886	0.02239	0.11381	0.00842	0.46	1793.01	63.21	61.30	1735.11	110.77	109.83	1861.05	136.74	130.71	1793.01	63.21	61.30	207Pb/235U	160	173
100302_17	113	45	2.53	2.04645	0.17511	0.19172	0.01510	0.07742	0.00685	0.40	1131.11	59.22	57.54	1130.67	81.96	81.44	1131.96	181.33	171.24	1131.11	59.22	57.54	207Pb/235U	164	173
100302_18	547	224	2.44	7.89584	0.79540	0.34823	0.03597	0.16445	0.01663	0.50	2219.21	92.88	88.82	1926.14	173.16	170.87	2501.92	175.39	165.33	2219.21	92.88	88.82	207Pb/235U	146	173
100302_19	91	35	2.59	5.41801	0.51465	0.11940	0.03011	0.11940	0.01208	0.39	1887.71	83.10	79.83	1834.01	146.88	145.22	1947.30	186.60	175.51	1887.71	83.10	79.83	207Pb/235U	171	173
100302_20	334	173	1.93	1.99096	0.20846	0.18924	0.01777	0.07630	0.00810	0.42	1112.45	72.03	69.56	1117.27	96.68	95.96	1103.04	219.96	205.31	1112.45	72.03	69.56	207Pb/235U	158	173
100302_21	360	39	9.23	6.04106	0.48780	0.33726	0.02758	0.12991	0.00995	0.54	1981.78	71.59	69.15	1873.47	133.64	132.27	2096.77	137.77	131.59	1981.78	71.59	69.15	207Pb/235U	168	173
100302_22	323	140	2.30	0.53382	0.03986	0.07012	0.00431	0.05521	0.00406	0.40	434.34	26.56	26.22	436.90	26.02	25.97	420.82	168.70	160.29	436.90	26.02	25.97	206Pb/238U	140	173
100302_23	202	251	0.80	0.16401	0.02756	0.02337	0.00127	0.05091	0.00867	0.10	154.21	24.18	23.90	148.89	8.02	8.01	236.73	418.49	370.76	148.89	8.02	8.01	206Pb/238U	81	173
100302_24	158	47	3.34	4.95393	0.29489	0.32182	0.01811	0.11164	0.00626	0.50	1811.50	50.92	49.68	1798.62	88.65	88.04	1826.34	103.49	100.00	1811.50	50.92	49.68	207Pb/235U	155	173
100302_27	396	157	2.52	5.89219	0.39727	0.34143	0.02248	0.12516	0.00830	0.48	1960.08	59.39	57.70	1893.56	108.49	107.59	2031.08	119.80	115.11	1960.08	59.39	57.70	207Pb/235U	153	173
100302_28	15	13	1.10	4.33363	0.55438	0.29887	0.02857	0.10516	0.01215	0.49	1699.78	108.38	102.89	1685.72	142.60	141.04	1717.16	220.23	205.10	1699.78	108.38	102.89	207Pb/235U	150	173
100302_29	455	7	65.72	5.39367	0.39470	0.33397	0.02116	0.11713	0.00838	0.43	1883.85	63.67	61.73	1857.60	102.66	101.85	1912.91	131.31	125.73	1883.85	63.67	61.73	207Pb/235U	164	173
100302_30	638	640	1.00	11.35377	0.96510	0.48034	0.04149	0.17143	0.01513	0.45	2552.63	80.91	77.81	2528.73	181.97	179.44	2571.68	151.43	143.85	2552.63	80.91	77.81	207Pb/235U	172	173
100302_31	541	31	17.28	2.53300	0.31473	0.18580	0.02238	0.09887	0.01137	0.55	1281.56	92.53	88.50	1098.59	122.22	121.07	1603.00	222.45	207.10	1281.56	92.53	88.50	207Pb/235U	60	173
100302_32	217	169	1.28	0.47514	0.04060	0.06136	0.00329	0.05616	0.00488	0.26	394.73	28.14	27.76	383.87	20.00	19.97	458.86	198.88	187.26	383.87	20.00	19.97	206Pb/238U	119	173
100302_33	14	17	0.87	11.99240	0.94292	0.50090	0.03063	0.17364	0.01428	0.30	2603.81	75.06	72.39	2617.65	132.24	130.89	2593.06	140.56	134.00	2603.81	75.06	72.39	207Pb/235U	148	173
100302_34	191	90	2.11	4.86129	0.25602	0.30955	0.01356	0.11390	0.00615	0.32	1795.57	44.84	43.87	1738.49	66.94	66.60	1862.54	99.09	95.89	1795.57	44.84	43.87	207Pb/235U	147	173
100302_35	141	99	1.43	0.44638	0.05681	0.05819	0.00411	0.05563	0.00691	0.31	374.74	40.28	39.50	364.63	25.04	24.99	437.73	289.22	265.30	364.63	25.04	24.99	206Pb/238U	100	173
100302_36	409	83	4.94	5.45058	0.35520	0.33523	0.02182	0.11792	0.00784	0.45	1892.85	56.70	55.16	1863.69	105.76	104.90	1924.97	121.64	116.83	1892.85	56.70	55.16	207Pb/235U	169	173
100302_37	57	27	2.09	0.37032	0.09621	0.04729	0.00319	0.05679	0.01499	0.06	319.89	72.57	70.06	297.87	19.63	19.60	483.51	642							

100302_75	85	48	1.75	2.69732	0.17668	0.21952	0.00877	0.08912	0.00591	0.24	1327.72	49.11	47.95	1279.35	46.45	46.29	1406.65	129.67	124.35	1279.35	46.45	46.29	206Pb/238U	96	172
100302_76	176	137	1.28	1.69055	0.08040	0.16655	0.00523	0.07362	0.00365	0.19	1004.97	30.57	30.12	993.07	28.93	28.86	1031.01	101.85	98.60	993.07	28.93	28.86	206Pb/238U	137	171
100302_77	113	39	2.90	0.29260	0.05156	0.04052	0.00165	0.05238	0.00932	0.05	260.60	40.91	40.11	256.03	10.24	10.23	301.91	433.52	382.31	256.03	10.24	10.23	206Pb/238U	87	173
100302_78	55	43	1.27	0.44670	0.08314	0.05693	0.00283	0.05691	0.01076	0.06	374.97	59.21	57.53	356.92	17.26	17.23	488.00	446.75	391.97	356.92	17.26	17.23	206Pb/238U	101	173
100302_79	134	67	2.01	0.44271	0.04234	0.05882	0.00233	0.05459	0.00535	0.12	372.16	30.02	29.58	368.46	14.21	14.19	395.30	227.66	212.62	368.46	14.21	14.19	206Pb/238U	108	171
100302_80	39	26	1.51	0.46708	0.11464	0.05821	0.00307	0.05820	0.01444	0.05	389.17	80.94	77.83	364.72	18.72	18.69	537.19	594.92	501.27	364.72	18.72	18.69	206Pb/238U	93	171
100302_81	217	68	3.21	0.34395	0.03210	0.04705	0.00165	0.05301	0.00507	0.08	300.16	24.40	24.11	296.41	10.14	10.13	329.41	224.75	210.13	296.41	10.14	10.13	206Pb/238U	110	173
100302_82	39	6	6.63	5.63423	0.28893	0.34370	0.01156	0.11889	0.00627	0.22	1921.35	44.71	43.75	1904.43	55.59	55.35	1939.66	95.93	92.91	1921.35	44.71	43.75	207Pb/235U	135	172
100302_83	99	74	1.34	3.74805	0.18030	0.27179	0.00800	0.10002	0.00485	0.22	1581.70	38.93	38.20	1549.89	40.61	40.48	1624.37	91.52	88.81	1581.70	38.93	38.20	207Pb/235U	146	173
100302_84	155	11	13.55	5.46000	0.21706	0.34052	0.00979	0.11629	0.00471	0.25	1894.33	34.41	33.83	1889.16	47.16	46.99	1900.00	73.69	71.90	1894.33	34.41	33.83	207Pb/235U	152	173
100302_85	272	29	9.36	5.58950	0.19860	0.33786	0.00965	0.11999	0.00449	0.22	1914.48	30.84	30.37	1876.37	46.56	46.39	1956.02	67.63	66.12	1914.48	30.84	30.37	207Pb/235U	158	173
100302_86	87	17	5.29	5.47074	0.22897	0.33640	0.01089	0.11795	0.00501	0.30	1896.02	36.25	35.62	1869.32	52.64	52.43	1925.37	77.06	75.11	1896.02	36.25	35.62	207Pb/235U	147	173
100302_87	117	13	9.02	1.34447	0.10875	0.13344	0.00494	0.07307	0.00609	0.13	865.17	47.65	46.56	807.45	28.15	28.09	1016.03	173.57	164.36	807.45	28.15	28.09	206Pb/238U	93	173
100302_88	75	125	0.60	3.27096	0.17075	0.25819	0.00796	0.09188	0.00495	0.18	1474.17	41.01	40.19	1480.56	40.85	40.72	1464.99	104.06	100.59	1474.17	41.01	40.19	207Pb/235U	139	173
100302_89	261	222	1.17	0.53681	0.03341	0.07056	0.00214	0.05518	0.00349	0.16	436.32	22.20	21.96	439.53	12.90	12.89	419.43	144.31	138.11	439.53	12.90	12.89	206Pb/238U	118	173
100302_90	302	240	1.26	0.34486	0.02702	0.04660	0.00156	0.05367	0.00421	0.18	300.85	20.51	20.30	293.62	9.64	9.64	357.33	181.97	172.26	293.62	9.64	9.64	206Pb/238U	113	173
100302_92	267	194	1.38	12.26908	0.42394	0.49767	0.01463	0.17880	0.00588	0.40	2625.21	32.70	32.18	2603.77	63.12	62.81	2641.78	55.13	54.09	2625.21	32.70	32.18	207Pb/235U	158	173
100302_93	165	163	1.01	0.57357	0.04870	0.07270	0.00253	0.05722	0.00491	0.15	460.32	31.67	31.18	452.41	15.24	15.22	499.99	194.65	183.47	452.41	15.24	15.22	206Pb/238U	126	173
100302_94	96	98	0.98	10.45423	0.38846	0.46971	0.01440	0.16142	0.00624	0.28	2475.87	34.73	34.15	2482.28	63.33	63.02	2470.61	66.01	64.53	2475.87	34.73	34.15	207Pb/235U	154	173
100302_95	256	182	1.41	0.27442	0.02869	0.03803	0.00153	0.05233	0.00556	0.13	246.22	22.99	22.73	240.61	9.51	9.50	300.04	251.90	233.72	240.61	9.51	9.50	206Pb/238U	92	173
100302_96	117	77	1.51	0.36296	0.05131	0.04953	0.00240	0.05315	0.00768	0.09	314.42	38.59	37.87	311.63	14.75	14.73	335.16	345.32	311.96	311.63	14.75	14.73	206Pb/238U	92	172
100302_97	60	35	1.71	5.59061	0.28290	0.34776	0.01174	0.11659	0.00597	0.27	1914.65	44.06	43.12	1923.90	56.29	56.05	1904.65	93.37	90.52	1914.65	44.06	43.12	207Pb/235U	138	172
100302_98	153	149	1.02	5.09658	0.21418	0.32164	0.00986	0.11492	0.00484	0.29	1835.54	35.99	35.36	1797.75	48.21	48.03	1878.67	76.88	74.94	1835.54	35.99	35.36	207Pb/235U	140	172
100302_99	85	24	3.52	5.50026	0.25159	0.34724	0.01257	0.11488	0.00543	0.30	1900.64	39.69	38.92	1921.43	60.27	59.99	1878.01	86.44	83.99	1900.64	39.69	38.92	207Pb/235U	139	172
100302_100	111	75	1.48	4.70122	0.38986	0.31068	0.02366	0.10975	0.01024	0.30	1767.46	70.65	68.27	1744.07	116.87	115.82	1795.21	174.97	165.25	1767.46	70.65	68.27	207Pb/235U	170	172
100302_101	149	98	1.53	0.16953	0.03699	0.02375	0.00135	0.05177	0.01142	0.08	159.01	32.37	31.86	151.32	8.52	8.51	275.26	549.16	469.57	151.32	8.52	8.51	206Pb/238U	107	170
100302_102	500	82	6.13	6.11640	0.26161	0.34438	0.01275	0.12881	0.00540	0.41	1992.59	37.67	36.99	1907.72	61.26	60.97	2081.81	74.79	72.93	1992.59	37.67	36.99	207Pb/235U	147	173
100302_103	226	109	2.08	4.18055	0.16511	0.28962	0.00849	0.10469	0.00413	0.30	1670.21	32.62	32.11	1639.65	42.53	42.39	1708.85	73.53	71.77	1670.21	32.62	32.11	207Pb/235U	140	170
100302_104	92	59	1.56	0.38910	0.05253	0.04944	0.00210	0.05708	0.00785	0.08	333.71	38.76	38.04	311.09	12.93	12.92	494.57	318.55	289.68	311.09	12.93	12.92	206Pb/238U	96	169
100302_105	159	53	2.99	0.34866	0.03834	0.04677	0.00190	0.05407	0.00613	0.08	303.71	29.07	28.66	294.64	11.73	11.72	374.03	265.69	245.45	294.64	11.73	11.72	206Pb/238U	88	173
Sample 98TM-365 (Apatite to Zircon, Inc. 529-19); Upper Nanushuk Formation (N68.86894°, W161.79036°)																									
52619A1	206	84	2.44	0.99820	0.10621	0.11441	0.00605	0.06328	0.00685	0.19	702.89	54.70	53.26	698.29	35.05	34.95	717.63	238.74	221.93	698.29	35.05	34.95	206Pb/238U	132	162
52619A2	541	934	0.58	0.31982	0.02520	0.04336	0.00198	0.05349	0.00427	0.24	281.77	19.48	19.29	273.63	12.23	12.22	349.81	185.84	175.72	273.63	12.23	12.22	206Pb/238U	103	161
52619A3	379	194	1.95	4.03733	0.30718	0.25871	0.01696	0.11318	0.00825	0.46	1641.75	62.88	60.99	1483.26	87.15	86.57	1851.11	134.85	128.98	1641.75	62.88	60.99	207Pb/235U	47	162
52619A4	860	463	1.86	0.62559	0.02999	0.08044	0.00309	0.05641	0.00274	0.32	493.34	18.82	18.65	498.73	18.42	18.39	468.40	109.30	105.70	498.73	18.42	18.39	206Pb/238U	144	163
52619A5	842	318	2.65	1.27535	0.05919	0.13810	0.00542	0.06698	0.00305	0.38	834.78	26.59	26.24	833.93	30.74	30.66	837.06	96.26	93.39	834.78	26.59	26.24	207Pb/235U	154	164
52619A6	163	150	1.09	0.51957	0.06322	0.06622	0.00389	0.05690	0.00697	0.22	424.86	42.69	41.81	413.36	23.57	23.53	487.76	282.29	259.39	413.36	23.57	23.53	206Pb/238U	94	161
52619A7	48	34	1.44	5.82019	0.46734	0.36591	0.02532	0.11536	0.00909	0.44	1949.42	70.80	68.41	2010.11	120.07	118.97	1885.56	145.46	138.65	1949.42	70.80	68.41	207Pb/235U	115	177
52619A8	469	498	0.94	0.50951	0.03558	0.06602	0.00323	0.05598	0.00395	0.31	418.12	24.07	23.79	412.10	19.55	19.52	451.43	160.53	152.88	412.10	19.55	19.52	206Pb/238U	126	164
52619A9	865	893	0.97	0.38361	0.03050	0.05351	0.00282	0.05200	0.00403	0.35	329.69	22.51	22.26	336.02	17.24	17.22	285.25	182.28	172.57	336.02	17.24	17.22	206Pb/238U	118	163
52619A10	77	48	1.61	3.72256	0.26068	0.26857	0.01459	0.10053	0.00704	0.36	1576.23	56.84	55.29	1533.56	74.36	73.94	1633.82	132.93	127.29	1576.23	56.84	55.29	207Pb/235U	118	162
52619A11	256	225	1.14	5.79520	0.28637	0.34420	0.01528	0.12211	0.00563	0.48	1945.69	43.25	42.35	1906.84	73.50	73.09	1987.31	83.17	80.88	1945.69	43.25	42.35	207Pb/235U	141	161
52619A12	294	509	0.58	0.87769	0.06915	0.10599	0.00597	0.06006	0.00464	0.36	639.74	37.74	37.06	649.40	34.85	34.76	605.76	171.47	162.68	649.40	34.85	34.76	206Pb/238U	131	163
52619A13	426	489	0.87	5.69063	0.28054	0.34876	0.01511	0.11834	0.00541	0.47	1929.95	43.03	42.13	1928.68	72.44	72.04	1931.31	83.06	80.79	1929.95	43.03	42.13	207Pb/235U	161	

52619A51	751	421	1.78	1.11898	0.08786	0.12663	0.00906	0.06409	0.00493	0.46	762.49	42.54	41.67	768.62	51.93	51.72	744.54	166.97	158.56	762.49	42.54	41.67	207Pb/235U	173	178
52619A52	1787	727	2.46	0.16831	0.01142	0.02449	0.00127	0.04985	0.00329	0.39	157.95	9.95	9.90	155.96	7.99	7.98	187.85	157.35	150.11	155.96	7.99	7.98	206Pb/238U	124	178
52619A53	739	352	2.10	7.88246	0.29722	0.39506	0.01313	0.14471	0.00539	0.34	2217.68	34.26	33.70	2146.27	60.83	60.54	2284.31	64.83	63.42	2217.68	34.26	33.70	207Pb/235U	161	178
52619A54	503	313	1.61	4.99508	0.18357	0.32584	0.01043	0.11118	0.00413	0.29	1818.49	31.33	30.86	1818.19	50.81	50.62	1818.83	68.25	66.72	1818.49	31.33	30.86	207Pb/235U	155	178
52619A55	650	472	1.38	0.21114	0.01628	0.02991	0.00086	0.05120	0.00409	0.01	194.51	13.70	13.60	189.98	5.40	5.40	249.86	189.30	178.88	189.98	5.40	5.40	206Pb/238U	88	176
52619A56	1214	388	3.13	6.10057	0.18189	0.35138	0.00889	0.12592	0.00368	0.24	1990.33	26.18	25.85	1941.20	42.49	42.35	2041.75	52.10	51.19	1990.33	26.18	25.85	207Pb/235U	144	178
52619A57	754	1228	0.61	0.27176	0.01812	0.03740	0.00101	0.05270	0.00360	0.04	244.10	14.52	14.41	236.71	6.29	6.29	315.80	159.12	151.67	236.71	6.29	6.29	206Pb/238U	107	178
52619A58	277	262	1.05	6.14600	0.20084	0.35640	0.00913	0.12507	0.00407	0.20	1996.81	28.74	28.34	1965.10	43.47	43.33	2029.77	58.20	57.07	1996.81	28.74	28.34	207Pb/235U	154	176
52619A59	482	268	1.80	0.42027	0.02526	0.05550	0.00147	0.05492	0.00344	0.00	356.25	18.14	17.98	348.19	8.99	8.98	409.10	143.20	137.09	348.19	8.99	8.98	206Pb/238U	114	178
52619A60	774	396	1.96	4.27935	0.12992	0.29014	0.00736	0.10697	0.00325	0.18	1689.40	25.14	24.83	1642.21	36.81	36.70	1748.47	56.15	55.11	1689.40	25.14	24.83	207Pb/235U	154	178
52619A61	357	418	0.85	0.42664	0.03747	0.05601	0.00179	0.05524	0.00501	0.03	360.79	26.84	26.49	351.33	10.90	10.89	422.04	209.15	196.37	351.33	10.90	10.89	206Pb/238U	92	176
52619A62	277	337	0.82	3.66639	0.13299	0.27464	0.00707	0.09682	0.00359	0.13	1564.08	29.15	28.73	1564.32	35.79	35.69	1563.76	70.28	68.67	1564.08	29.15	28.73	207Pb/235U	137	177
52619A64	145	230	0.63	0.25164	0.05633	0.03260	0.00133	0.05598	0.01269	0.01	227.91	46.22	45.19	206.81	8.31	8.31	451.61	547.32	467.44	206.81	8.31	8.31	206Pb/238U	85	178
52619A65	680	895	0.76	0.31136	0.01717	0.04266	0.00115	0.05294	0.00305	0.02	275.24	13.34	13.25	269.30	7.11	7.11	326.06	133.29	128.01	269.30	7.11	7.11	206Pb/238U	116	178
52619A66	349	213	1.64	0.20996	0.02627	0.02904	0.00097	0.05244	0.00671	0.01	193.52	22.16	21.92	184.54	6.07	6.07	304.53	305.42	279.08	184.54	6.07	6.07	206Pb/238U	81	178
52619A67	262	291	0.90	0.41216	0.03900	0.05472	0.00154	0.05463	0.00529	0.00	350.43	28.24	27.85	343.45	9.44	9.43	396.93	224.65	209.99	343.45	9.44	9.43	206Pb/238U	118	177
52619A68	393	253	1.55	15.03595	0.47314	0.54532	0.01476	0.19998	0.00621	0.26	2817.52	30.18	29.74	2805.68	61.71	61.41	2826.00	51.15	50.25	2817.52	30.18	29.74	207Pb/235U	141	176
52619A69	766	557	1.37	0.41282	0.02836	0.05369	0.00142	0.05576	0.00393	0.02	350.90	20.49	20.28	337.17	8.67	8.66	442.84	160.50	152.86	337.17	8.67	8.66	206Pb/238U	104	175
52619A70	451	149	3.03	0.71347	0.03152	0.08798	0.00232	0.05881	0.00272	0.06	546.80	18.77	18.59	543.60	13.78	13.77	560.19	102.36	99.17	543.60	13.77	13.77	206Pb/238U	126	173
52619A71	334	175	1.92	10.24413	0.32497	0.45832	0.01179	0.16211	0.00516	0.18	2457.07	29.56	29.14	2432.14	52.22	52.01	2477.76	54.22	53.22	2457.07	29.56	29.14	207Pb/235U	140	178
52619A72	1407	2368	0.59	5.13729	0.21887	0.31062	0.01164	0.11995	0.00471	0.46	1842.29	36.54	35.89	1743.78	57.38	57.12	1955.46	70.94	69.28	1842.29	36.54	35.89	207Pb/235U	28	176
52619A73	2369	1624	1.46	12.18745	0.36611	0.49026	0.01261	0.18030	0.00536	0.23	2618.94	28.39	28.00	2571.81	54.67	54.44	2655.59	49.68	48.83	2618.94	28.39	28.00	207Pb/235U	145	178
52619A74	122	46	2.64	0.27482	0.06803	0.03579	0.00165	0.05569	0.01396	0.01	246.54	54.92	53.47	226.68	10.25	10.24	440.11	612.44	514.17	226.68	10.25	10.24	206Pb/238U	76	174
52619A75	263	241	1.09	5.47075	0.19570	0.33821	0.00903	0.11732	0.00420	0.20	1896.02	30.94	30.48	1878.06	43.55	43.40	1915.73	64.91	63.52	1896.02	30.94	30.48	207Pb/235U	147	177
52619A76	1166	450	2.59	5.91083	0.17828	0.35596	0.00934	0.12043	0.00368	0.19	1962.83	26.37	26.03	1963.01	44.48	44.33	1962.64	55.01	54.01	1962.83	26.37	26.03	207Pb/235U	144	177
52619A77	797	145	5.50	13.01624	0.39320	0.50175	0.01315	0.18815	0.00562	0.24	2680.83	28.69	28.29	2621.31	56.58	56.33	2726.03	49.65	48.80	2680.83	28.69	28.29	207Pb/235U	135	178
52619A78	284	243	1.17	0.45820	0.03926	0.05996	0.00179	0.05542	0.00488	0.03	383.00	27.52	27.15	375.39	10.90	10.89	429.25	202.48	190.47	375.39	10.90	10.89	206Pb/238U	104	177
52619A79	355	158	2.25	5.76155	0.18861	0.34767	0.00888	0.12019	0.00391	0.20	1940.65	28.52	28.13	1923.47	42.52	42.38	1959.05	58.61	57.47	1940.65	28.52	28.13	207Pb/235U	157	177
52619A80	190	142	1.33	4.17542	0.16080	0.30217	0.00789	0.10022	0.00396	0.13	1669.21	31.80	31.31	1702.07	39.11	38.99	1628.13	74.35	72.55	1669.21	31.80	31.31	207Pb/235U	134	178
52619A81	987	869	1.14	0.41613	0.01819	0.05604	0.00151	0.05385	0.00246	0.06	353.28	13.08	13.00	351.51	9.21	9.20	364.91	104.74	101.45	351.51	9.21	9.20	206Pb/238U	138	178
52619A82	1634	1043	1.57	4.49646	0.14518	0.28339	0.00758	0.11508	0.00372	0.23	1730.32	27.00	26.64	1608.43	38.15	38.04	1881.06	58.77	57.63	1730.32	27.00	26.64	207Pb/235U	68	178
52619A83	110	140	0.79	4.50778	0.20580	0.31478	0.00945	0.10386	0.00486	0.18	1732.41	38.30	37.59	1764.20	46.44	46.27	1694.22	87.51	85.02	1732.41	38.30	37.59	207Pb/235U	123	177
52619A84	385	163	2.36	3.19733	0.11103	0.25998	0.00675	0.08920	0.00318	0.14	1456.52	27.04	26.68	1489.72	34.56	34.47	1408.41	68.97	67.44	1456.52	27.04	26.68	207Pb/235U	134	173
52619A85	1688	189	8.94	5.48708	0.16573	0.33613	0.00844	0.11839	0.00354	0.21	1898.58	26.11	25.78	1868.03	40.80	40.67	1932.13	53.99	53.02	1898.58	26.11	25.78	207Pb/235U	147	176
52619A86	1890	951	1.99	6.61564	0.21148	0.35086	0.00966	0.13675	0.00438	0.25	2061.44	28.39	28.00	1938.72	46.18	46.02	2186.47	56.19	55.13	2061.44	28.39	28.00	207Pb/235U	89	176
52619A87	1439	987	1.46	0.71121	0.07795	0.08006	0.00680	0.06443	0.00657	0.46	545.47	46.79	45.74	496.46	40.64	40.51	755.83	222.84	208.10	496.46	40.64	40.51	206Pb/238U	10	172
52619A88	1520	778	1.95	0.40935	0.12206	0.04717	0.00727	0.06294	0.01842	0.29	348.41	89.90	86.09	297.14	44.84	44.69	706.06	692.87	567.92	297.14	44.84	44.69	206Pb/238U	3	174
52619A89	4034	1665	2.42	0.31737	0.01086	0.04271	0.00111	0.05389	0.00190	0.11	279.88	8.39	8.35	269.60	6.86	6.85	366.65	80.29	78.34	269.60	6.86	6.85	206Pb/238U	149	173
52619A90	271	196	1.38	0.51739	0.04232	0.06711	0.00190	0.05592	0.00473	-0.01	423.41	28.52	28.12	418.69	11.48	11.47	449.17	193.54	182.52	418.69	11.48	11.47	206Pb/238U	109	171
52619A91	286	255	1.12	3.14005	0.11712	0.25083	0.00637	0.09079	0.00347	0.10	1442.56	28.93	28.52	1442.76	32.89	32.80	1442.27	73.80	72.05	1442.56	28.93	28.52	207Pb/235U	141	173
52619A92	41	21	1.91	2.21365	0.23737	0.19775	0.00751	0.08119	0.00886	0.10	1185.37	76.42	73.65	1163.24	40.46	40.34	1225.96	222.11	207.09	1163.24	40.46	40.34	206Pb/238U	104	170
52619A93	124	6	21.10	1.01843	0.09577	0.11822	0.00413	0.06248	0.00608	0.04	713.13	48.76	47.62	720.33	23.82	23.78	690.52	214.75	201.08	720.33	23.82	23.78	206Pb/238U	83	115
52619A94	156	97	1.60	0.32959	0.04680	0.04289	0.00167	0.05573	0.00812	0.02	289.25	36.06	35.43	270.74	10.31	10.30	441.61	341.50	308.64	270.74	10.31	10.30	206Pb/238U	87	173
52619A95	1171	479	2.44	4.55712	0.14788	0.30560	0.00827	0.10815	0.00345	0.27	1741.46	27.20	26.84	1719.03	40.92	40.79	1768.52	58.88	57.74	1741.46	27.20	26.84	207Pb/235U	155	173

6636A30	1799	449	4.01	1.30932	0.06285	0.13417	0.00569	0.07078	0.00343	0.36	849.83	27.82	27.45	811.60	32.36	32.28	950.99	100.66	97.51	849.83	27.82	27.45	207Pb/235U	152	178
6636A31	531	152	3.49	4.24668	1.15645	0.25808	0.06638	0.11934	0.03106	0.52	1683.09	237.13	212.31	1480.02	344.72	335.74	1946.39	506.01	431.89	1683.09	237.13	212.31	207Pb/235U	14	178
6636A32	1568	2440	0.64	0.29178	0.02272	0.03732	0.00222	0.05670	0.00428	0.40	259.96	17.94	17.78	236.23	13.83	13.81	479.79	171.26	162.56	236.23	13.83	13.81	206Pb/238U	91	178
6636A33	2899	470	6.17	4.62747	0.17836	0.30423	0.01035	0.11032	0.00426	0.33	1754.24	32.44	31.93	1712.26	51.28	51.08	1804.62	70.98	69.33	1754.24	32.44	31.93	207Pb/235U	141	178
6636A34	1014	255	3.97	0.99976	0.06486	0.10418	0.00613	0.06960	0.00476	0.35	703.69	33.20	32.67	638.87	35.85	35.75	916.57	143.92	137.56	703.69	33.20	32.67	207Pb/235U	144	178
6636A35	1355	320	4.23	10.71352	0.42598	0.45364	0.01601	0.17129	0.00675	0.35	2498.60	37.27	36.59	2411.41	71.20	70.81	2570.25	66.67	65.16	2498.60	37.27	36.59	207Pb/235U	149	178
6636A36	1934	514	3.76	4.74446	0.18455	0.29310	0.01002	0.11740	0.00433	0.41	1775.13	32.89	32.36	1656.99	50.04	49.84	1917.04	66.94	65.46	1775.13	32.89	32.36	207Pb/235U	87	177
6636A37	845	145	5.82	4.85215	0.16990	0.31348	0.00914	0.11226	0.00383	0.31	1793.99	29.69	29.27	1757.79	44.96	44.80	1836.34	62.44	61.15	1793.99	29.69	29.27	207Pb/235U	151	178
6636A38	697	569	1.23	0.17836	0.01653	0.02480	0.00104	0.05216	0.00501	0.11	166.65	14.29	14.19	157.91	6.56	6.56	292.60	226.97	212.11	157.91	6.56	6.56	206Pb/238U	75	178
6636A39	107	212	0.51	0.25974	0.07149	0.03203	0.00245	0.05881	0.01657	0.05	234.46	58.46	56.82	203.27	15.32	15.31	559.91	681.60	561.24	203.27	15.32	15.31	206Pb/238U	101	178
6636A40	725	472	1.53	0.40571	0.02957	0.05602	0.00295	0.05253	0.00387	0.32	345.78	21.47	21.25	351.38	18.01	17.99	308.36	172.06	163.37	351.38	18.01	17.99	206Pb/238U	124	178
6636A42	235	145	1.62	4.92116	0.40457	0.32641	0.02683	0.10935	0.00843	0.54	1805.89	70.59	68.22	1820.97	131.06	129.74	1788.54	143.85	137.21	1805.89	70.59	68.22	207Pb/235U	169	176
6636A43	1068	746	1.43	7.55340	0.41351	0.37199	0.02014	0.14727	0.00811	0.44	2179.35	49.69	48.50	2038.76	94.98	94.28	2314.44	96.02	92.95	2179.35	49.69	48.50	207Pb/235U	148	178
6636A44	340	599	0.57	0.33897	0.03890	0.04500	0.00305	0.05463	0.00641	0.24	296.39	29.72	29.29	283.74	18.85	18.83	397.25	274.50	252.92	283.74	18.85	18.83	206Pb/238U	92	178
6636A45	1037	1293	0.80	0.35443	0.02203	0.04791	0.00202	0.05365	0.00344	0.24	308.05	16.58	16.45	301.68	12.41	12.40	356.56	148.09	141.60	301.68	12.41	12.40	206Pb/238U	139	178
6636A46	767	47	16.22	5.82780	0.26644	0.34437	0.01410	0.12274	0.00575	0.34	1950.55	40.02	39.24	1907.64	67.79	67.43	1996.43	84.51	82.15	1950.55	40.02	39.24	207Pb/235U	166	178
6636A48	1167	447	2.61	2.89700	0.35469	0.20126	0.02042	0.10440	0.01196	0.48	1381.13	94.59	90.38	1182.10	110.07	109.13	1703.70	218.81	203.87	1381.13	94.59	90.38	207Pb/235U	18	178
6636A49	1789	67	26.85	4.80201	0.24510	0.31625	0.01462	0.11013	0.00551	0.42	1785.25	43.35	42.45	1771.37	71.81	71.42	1801.51	92.49	89.70	1785.25	43.35	42.45	207Pb/235U	174	177
6636A50	423	160	2.64	0.90473	0.05587	0.10636	0.00572	0.06169	0.00403	0.33	654.25	30.01	29.57	651.57	33.35	33.27	663.50	143.07	136.88	654.25	30.01	29.57	207Pb/235U	148	178
6636A51	2670	788	3.39	0.27320	0.01834	0.03614	0.00205	0.05482	0.00361	0.42	245.25	14.68	14.58	228.89	12.74	12.72	404.86	150.70	143.95	228.89	12.74	12.72	206Pb/238U	121	178
6636A52	700	477	1.47	2.60178	0.15264	0.21506	0.01122	0.08774	0.00463	0.52	1301.14	43.49	42.58	1255.75	59.66	59.39	1376.81	103.18	99.79	1301.14	43.49	42.58	207Pb/235U	158	178
6636A53	484	217	2.23	0.68436	0.04482	0.08534	0.00400	0.05816	0.00374	0.35	529.41	27.20	26.84	527.91	23.76	23.72	535.85	144.08	137.85	527.91	23.76	23.72	206Pb/238U	133	178
6636A54	1279	646	1.98	0.13982	0.01279	0.02013	0.00105	0.05039	0.00470	0.23	132.89	11.43	11.37	128.46	6.66	6.65	212.83	223.57	209.21	128.46	6.66	6.65	206Pb/238U	116	177
6636A55	4608	1875	2.46	8.09518	0.69939	0.36663	0.03042	0.16014	0.01443	0.41	2241.71	79.62	76.62	2013.50	144.32	142.72	2457.15	156.53	148.48	2241.71	79.62	76.62	207Pb/235U	99	178
6636A56	248	138	1.80	5.01462	0.30906	0.32732	0.01927	0.11111	0.00690	0.44	1821.79	52.86	51.52	1825.37	93.93	93.25	1817.71	114.93	110.65	1821.79	52.86	51.52	207Pb/235U	173	177
6636A57	160	85	1.87	6.31240	0.56597	0.37118	0.03234	0.12334	0.01104	0.47	2020.18	80.15	77.11	2034.93	152.96	151.17	2005.14	163.38	154.79	2020.18	80.15	77.11	207Pb/235U	169	177
6636A58	434	184	2.36	0.46967	0.03068	0.06168	0.00194	0.05523	0.00376	0.08	390.96	21.31	21.09	385.84	11.77	11.76	421.38	155.81	148.61	385.84	11.77	11.76	206Pb/238U	108	178
6636A59	185	230	0.81	0.19936	0.04306	0.02627	0.00214	0.05505	0.01194	0.17	184.58	36.79	36.13	167.13	13.48	13.47	414.15	525.10	451.29	167.13	13.48	13.47	206Pb/238U	95	178
6636A60	933	275	3.39	12.53516	0.57795	0.48875	0.02145	0.18601	0.00833	0.44	2645.37	43.83	42.90	2565.27	93.22	92.55	2707.22	74.88	72.97	2645.37	43.83	42.90	207Pb/235U	147	176
6636A61	674	559	1.21	11.14666	0.59871	0.47360	0.02473	0.17070	0.01018	0.31	2535.47	50.67	49.44	2499.34	108.62	107.71	2564.51	101.55	98.09	2535.47	50.67	49.44	207Pb/235U	149	178
6636A62	707	3420	0.21	0.32538	0.02252	0.04522	0.00180	0.05219	0.00359	0.26	286.03	17.33	17.18	285.09	11.10	11.09	293.69	161.04	153.41	285.09	11.10	11.09	206Pb/238U	105	178
6636A63	727	125	5.83	3.80104	0.13451	0.08526	0.00789	0.09826	0.00348	0.24	1592.97	28.65	28.25	1594.20	39.78	39.66	1591.34	66.89	65.43	1592.97	28.65	28.25	207Pb/235U	135	176
6636A64	951	880	1.08	0.45151	0.02043	0.06068	0.00163	0.05396	0.00246	0.16	378.33	14.34	14.24	379.77	9.88	9.88	369.53	104.51	101.23	379.77	9.88	9.88	206Pb/238U	107	178
6636A65	1615	55	29.31	4.91429	0.21880	0.31793	0.01297	0.11211	0.00507	0.36	1804.71	37.92	37.22	1779.60	63.60	63.28	1833.84	83.17	80.90	1804.71	37.92	37.22	207Pb/235U	160	178
6636A66	235	98	2.40	13.49670	1.11178	0.53975	0.03654	0.18136	0.01525	0.36	2715.05	79.40	76.42	2782.39	153.89	152.07	2665.32	142.83	136.05	2715.05	79.40	76.42	207Pb/235U	176	178
6636A67	487	123	3.95	5.25291	0.41827	0.32327	0.02477	0.11785	0.00951	0.45	1861.24	69.08	66.81	1805.66	121.23	120.10	1923.91	148.22	141.14	1861.24	69.08	66.81	207Pb/235U	171	178
6636A68	220	201	1.10	12.46918	1.01009	0.50017	0.03440	0.18081	0.01464	0.40	2640.41	77.61	74.75	2614.52	148.69	146.99	2660.31	137.40	131.11	2640.41	77.61	74.75	207Pb/235U	171	178
6636A69	564	361	1.56	4.36746	0.27717	0.28638	0.01730	0.11061	0.00701	0.44	1706.20	53.12	51.77	1623.43	86.97	86.38	1809.40	117.51	113.04	1706.20	53.12	51.77	207Pb/235U	152	178
6636A70	348	656	0.53	0.40333	0.03529	0.05319	0.00309	0.05500	0.00494	0.27	344.06	25.70	25.38	334.06	18.93	18.90	412.20	207.47	194.89	334.06	18.93	18.90	206Pb/238U	135	178
6636A71	1649	896	1.84	0.76437	0.09597	0.08325	0.00981	0.06659	0.00754	0.56	576.53	55.99	54.49	515.48	58.54	58.28	825.06	245.73	227.85	576.53	55.99	54.49	207Pb/235U	70	178
6636A72	283	54	5.21	5.14312	0.31390	0.32292	0.01801	0.11551	0.00673	0.48	1843.26	52.56	51.23	1803.98	88.06	87.46	1887.89	106.71	103.00	1843.26	52.56	51.23	207Pb/235U	165	178
6636A73	43	84	0.51	0.77725	0.26389	0.07725	0.00965	0.07297	0.02471	0.19	583.91	156.66	145.43	479.71	57.86	57.60	1013.09	775.20	619.73	479.71	57.86	57.60	206Pb/238U	54	178
6636A74	726	772	0.94	0.34016	0.03117	0.04415	0.00419	0.05588	0.00542	0.45	297.29	23.76	23.48	278.50	25.91	25.85	447.67	223.11	208.60	297.29	23.76	23.48	207Pb/235U	143	175
6636A75	2561	2002	1.28	0.31476	0.04608	0.03908	0.00346	0.05841	0.00817	0.37	277.87	35.90	35.28	247.15	21.49	21.46	545.19	321.28	291.86	247.15	21.49</				

66319A14	1813	4425	0.41	8.22158	0.28253	0.38922	0.01146	0.15320	0.00504	0.37	2255.72	31.35	30.87	2119.19	53.27	53.05	2381.97	56.63	55.54	2255.72	31.35	30.87	207Pb/235U	80	178
66319A15	665	596	1.12	5.79807	0.20202	0.33796	0.01002	0.12443	0.00417	0.36	1946.12	30.40	29.95	1876.84	48.39	48.21	2020.68	59.95	58.75	1946.12	30.40	29.95	207Pb/235U	151	178
66319A16	415	358	1.16	0.66920	0.03956	0.08342	0.00292	0.05818	0.00362	0.14	520.23	24.21	23.92	516.52	17.36	17.33	536.52	139.06	133.25	516.52	17.36	17.33	206Pb/238U	127	178
66319A17	145	195	0.74	0.40865	0.05893	0.05295	0.00253	0.05597	0.00814	0.13	347.90	42.93	42.04	332.63	15.50	15.48	451.16	340.48	307.79	332.63	15.50	15.48	206Pb/238U	96	178
66319A18	152	47	3.23	0.54652	0.06821	0.06923	0.00245	0.05726	0.00727	0.05	442.71	45.29	44.30	431.49	14.76	14.74	501.48	292.34	267.83	431.49	14.76	14.74	206Pb/238U	99	178
66319A20	1612	1772	0.91	0.88566	0.05273	0.10522	0.00582	0.06105	0.00349	0.47	644.04	28.59	28.20	644.90	34.01	33.92	641.01	125.50	120.72	644.04	28.59	28.20	207Pb/235Uc	169	178
66319A21	2830	1698	1.67	1.47341	0.15355	0.13396	0.01275	0.07977	0.00772	0.52	919.53	64.03	62.07	810.44	72.66	72.25	1191.27	197.18	185.27	919.53	64.03	62.07	207Pb/235U	33	178
66319A22	772	126	6.14	3.70852	0.16446	0.26151	0.01067	0.10285	0.00455	0.39	1573.21	35.78	35.16	1497.59	54.62	54.39	1676.18	82.87	80.63	1573.21	35.78	35.16	207Pb/235U	160	178
66319A23	871	234	3.72	0.63147	0.04489	0.07869	0.00556	0.05820	0.00412	0.48	497.01	28.13	27.75	488.32	33.24	33.16	537.28	158.67	151.15	497.01	28.13	27.75	207Pb/235U	156	178
66319A25	5364	994	5.40	0.39524	0.03032	0.04556	0.00347	0.06292	0.00557	0.31	338.19	22.19	21.95	287.20	21.44	21.40	705.50	194.02	182.78	338.19	22.19	21.95	207Pb/235U	64	178
66319A27	2302	382	6.02	1.29064	0.09141	0.10181	0.00688	0.09194	0.00675	0.41	841.58	40.93	40.12	625.01	40.34	40.22	1466.19	142.77	136.33	841.58	40.93	40.12	207Pb/235U	85	178
66319A28	1372	1145	1.20	0.48962	0.03508	0.06437	0.00448	0.05517	0.00393	0.47	404.65	24.06	23.78	402.12	27.15	27.09	419.14	163.23	155.34	404.65	24.06	23.78	207Pb/235U	141	178
66319A29	617	526	1.17	4.66709	0.28070	0.30502	0.01819	0.11097	0.00649	0.49	1761.36	50.93	49.68	1716.18	90.16	89.53	1815.38	108.14	104.34	1761.36	50.93	49.68	207Pb/235U	176	178
66319A30	1100	270	4.07	0.55143	0.03147	0.06968	0.00359	0.05740	0.00331	0.40	445.94	20.70	20.50	434.22	21.66	21.62	506.84	129.57	124.52	445.94	20.70	20.50	207Pb/235U	148	178
66319A31	2743	3558	0.77	0.27408	0.02138	0.03706	0.00241	0.05364	0.00415	0.40	245.95	17.11	16.96	234.58	15.02	15.00	355.91	179.77	170.29	234.58	15.02	15.00	206Pb/238U	102	178
66319A32	313	221	1.41	4.03900	0.29245	0.28687	0.01922	0.10212	0.00690	0.51	1642.09	59.80	58.09	1625.86	96.66	95.94	1662.92	127.71	122.48	1642.09	59.80	58.09	207Pb/235U	173	177
66319A33	2983	2570	1.16	0.50370	0.06160	0.05770	0.00636	0.06332	0.00744	0.49	414.20	42.03	41.18	361.60	38.82	38.70	718.88	259.89	240.10	414.20	42.03	41.18	207Pb/235U	61	178
66319A34	447	384	1.17	5.08100	0.32267	0.31119	0.01864	0.11842	0.00756	0.44	1832.94	54.61	53.18	1746.57	91.96	91.31	1932.50	116.58	112.15	1832.94	54.61	53.18	207Pb/235U	144	178
66319A35	1340	1627	0.82	0.25773	0.02021	0.03581	0.00230	0.05219	0.00410	0.39	232.83	16.38	16.25	226.83	14.30	14.29	293.91	184.69	174.73	226.83	14.30	14.29	206Pb/238U	141	177
66319A36	293	184	1.59	5.55904	0.38636	0.32888	0.02150	0.12259	0.00822	0.48	1909.78	60.71	58.95	1832.95	104.71	103.86	1994.28	121.71	116.89	1909.78	60.71	58.95	207Pb/235U	173	174
66319A37	530	652	0.81	0.69785	0.03951	0.08700	0.00435	0.05818	0.00343	0.35	537.50	23.77	23.49	537.76	25.80	25.75	536.40	131.84	126.61	537.50	23.77	23.49	207Pb/235U	157	178
66319A38	936	373	2.51	0.99546	0.06085	0.10818	0.00592	0.06674	0.00403	0.43	701.50	31.20	30.73	662.17	34.47	34.38	829.61	128.50	123.43	701.50	31.20	30.73	207Pb/235U	155	178
66319A39	5041	1724	2.92	0.26087	0.02052	0.03282	0.00228	0.05765	0.00473	0.37	235.37	16.59	16.46	208.15	14.26	14.24	516.63	185.44	175.27	208.15	14.26	14.24	206Pb/238U	60	178
66319A40	435	334	1.30	5.07827	0.23353	0.31624	0.01351	0.11647	0.00521	0.44	1832.48	39.39	38.64	1771.34	66.34	66.00	1902.67	81.54	79.36	1832.48	39.39	38.64	207Pb/235U	171	178
66319A41	597	625	0.96	0.42031	0.02547	0.05651	0.00186	0.05394	0.00336	0.16	356.27	18.29	18.13	354.36	11.38	11.37	368.75	143.45	137.34	354.36	11.38	11.37	206Pb/238U	132	178
66319A42	565	232	2.43	4.26990	0.25897	0.26505	0.01516	0.11684	0.00669	0.50	1687.58	50.52	49.29	1515.65	77.48	77.02	1908.39	104.65	101.07	1687.58	50.52	49.29	207Pb/235U	94	178
66319A43	1210	1225	0.99	0.54878	0.02380	0.06969	0.00224	0.05711	0.00243	0.32	444.20	15.66	15.54	434.28	13.52	13.51	495.91	94.96	92.22	434.28	13.52	13.51	206Pb/238U	143	178
66319A45	1144	991	1.15	2.51129	0.85028	0.18788	0.06144	0.09694	0.02848	0.61	1275.31	262.09	232.10	1109.88	337.84	329.21	1566.12	607.81	505.46	1275.31	262.09	232.10	207Pb/235U	6	178
66319A44	1086	477	2.28	0.91177	0.05247	0.10656	0.00588	0.06206	0.00344	0.48	658.00	28.06	27.68	652.72	34.32	34.23	676.13	120.78	116.34	658.00	28.06	27.68	207Pb/235U	170	178
66319A47	307	192	1.60	3.59833	0.12190	0.26838	0.00675	0.09724	0.00331	0.21	1549.16	27.10	26.74	1532.55	34.37	34.28	1571.90	64.47	63.12	1549.16	27.10	26.74	207Pb/235U	145	174
66319A48	707	690	1.02	0.42515	0.02091	0.05653	0.00139	0.05454	0.00278	0.04	359.73	14.95	14.84	354.51	8.47	8.46	393.48	116.27	112.22	354.51	8.47	8.46	206Pb/238U	131	177
66319A49	243	257	0.95	11.72797	0.37266	0.47688	0.01234	0.17836	0.00554	0.29	2582.93	29.95	29.51	2513.68	53.96	53.73	2637.73	52.01	51.09	2582.93	29.95	29.51	207Pb/235U	127	178
66319A50	733	437	1.68	0.78885	0.03091	0.09592	0.00228	0.05965	0.00239	0.09	590.52	17.62	17.47	590.45	13.42	13.41	590.79	88.06	85.69	590.45	13.42	13.41	206Pb/238U	146	177
66319A51	1268	612	2.07	2.98505	0.10513	0.22589	0.00618	0.09584	0.00328	0.31	1403.82	26.96	26.61	1312.93	32.54	32.46	1544.66	65.09	63.71	1403.82	26.96	26.61	207Pb/235U	58	175
66319A52	202	115	1.75	4.97527	0.16249	0.31930	0.00785	0.11301	0.00375	0.19	1815.13	27.80	27.43	1786.29	38.41	38.30	1848.39	60.63	59.42	1815.13	27.80	27.43	207Pb/235U	149	175
66319A53	773	588	1.32	2.61787	0.10532	0.20905	0.00612	0.09082	0.00346	0.36	1305.67	29.78	29.35	1223.76	32.64	32.56	1442.89	73.55	71.80	1305.67	29.78	29.35	207Pb/235U	62	176
66319A54	32	35	0.90	1.52684	0.25753	0.14841	0.00688	0.07461	0.01273	0.08	941.23	106.21	100.93	892.06	38.67	38.56	1058.12	364.11	325.72	892.06	38.67	38.56	206Pb/238U	110	163
66319A56	247	265	0.93	0.46416	0.04710	0.06084	0.00192	0.05533	0.00575	0.04	387.15	32.93	32.41	380.74	11.66	11.65	425.63	240.40	223.66	380.74	11.66	11.65	206Pb/238U	104	176
66319A57	260	184	1.41	4.15098	0.13547	0.28452	0.00708	0.10581	0.00355	0.17	1664.40	26.88	26.53	1614.07	35.56	35.46	1728.49	62.15	60.88	1664.40	26.88	26.53	207Pb/235U	126	177
66319A58	136	144	0.95	0.40194	0.07127	0.05091	0.00202	0.05726	0.01033	0.02	343.05	52.29	50.98	320.09	12.39	12.38	501.65	424.03	374.33	320.09	12.39	12.38	206Pb/238U	103	173
66319A59	110	73	1.51	0.61471	0.07448	0.07497	0.00266	0.05946	0.00740	0.03	486.52	47.38	46.30	466.05	15.94	15.92	584.16	282.08	259.09	466.05	15.94	15.92	206Pb/238U	90	172
66319A60	1149	116	9.90	1.44122	0.04764	0.14862	0.00370	0.07033	0.00231	0.22	906.23	19.91	19.72	893.20	20.77	20.74	938.12	68.11	66.66	906.23	19.91	19.72	207Pb/235U	126	178
66319A61	461	194	2.38	1.24222	0.04471	0.13442	0.00335	0.06703	0.00251	0.11	819.89	20.35	20.15	813.01	19.07	19.04	838.59	79.00	77.05	813.01	19.07	19.04	206Pb/238U	139	178
66319A62	356	270	1.32	0.64109	0.04937	0.07768	0.00220	0.05985	0.00472	0.05	502.98	30.78	30.32	482.28	13.17	13.16	598.27	175.64	166.44	482.28	1				

12456AZ1_1	99	56	1.76	0.88102	0.08279	0.10471	0.00668	0.06102	0.00598	0.27	641.53	45.19	44.21	641.96	39.05	38.93	640.04	217.98	203.95	641.96	39.05	38.93	206Pb/238U	163	172
12456AZ1_2	133	125	1.06	0.71474	0.05865	0.08852	0.00359	0.05856	0.00484	0.23	547.55	35.03	34.43	546.77	21.30	21.26	550.82	185.92	175.67	546.77	21.30	21.26	206Pb/238U	148	173
12456AZ1_3	119	42	2.84	3.08889	0.20460	0.24814	0.01438	0.09028	0.00598	0.43	1429.94	51.45	50.18	1428.88	74.50	74.07	1431.52	129.09	123.82	1429.94	51.45	50.18	207Pb/235U	170	172
12456AZ1_4	212	102	2.08	0.35624	0.03859	0.04735	0.00293	0.05456	0.00630	0.16	309.41	29.10	28.69	298.26	18.07	18.05	394.28	269.96	249.06	298.26	18.07	18.05	206Pb/238U	116	172
12456AZ1_5	138	135	1.03	0.52922	0.05354	0.06909	0.00484	0.05556	0.00581	0.29	431.29	35.87	35.25	430.64	29.21	29.15	434.76	241.71	224.78	430.64	29.21	29.15	206Pb/238U	146	174
12456AZ1_6	155	54	2.85	2.77637	0.12409	0.23282	0.00793	0.08649	0.00387	0.37	1349.20	33.64	33.09	1349.25	41.54	41.41	1349.14	87.59	85.14	1349.20	33.64	33.09	207Pb/235U	162	174
12456AZ1_7	1301	1114	1.17	0.50104	0.02620	0.06646	0.00270	0.05468	0.00287	0.38	412.40	17.80	17.65	414.80	16.31	16.29	398.99	119.86	115.56	414.80	16.31	16.29	206Pb/238U	166	173
12456AZ1_8	423	114	3.72	0.65241	0.03621	0.08226	0.00379	0.05752	0.00326	0.38	509.96	22.37	22.13	509.62	22.59	22.55	511.51	127.12	122.26	509.96	22.37	22.13	207Pb/235U	154	172
12456AZ1_10	349	181	1.92	0.51213	0.04048	0.06755	0.00453	0.05499	0.00460	0.35	419.88	27.36	27.00	421.37	27.35	27.30	411.73	192.82	181.91	419.88	27.36	27.00	207Pb/235U	152	172
12456AZ1_11	70	1743	0.04	0.34317	0.06453	0.04418	0.00312	0.05633	0.01083	0.13	299.57	49.37	48.20	278.70	19.28	19.25	465.58	456.78	399.74	278.70	19.28	19.25	206Pb/238U	118	171
12456AZ1_12	339	164	2.07	0.52109	0.04146	0.06852	0.00432	0.05515	0.00435	0.40	425.88	27.87	27.49	427.25	26.08	26.03	418.45	181.11	171.44	427.25	26.08	26.03	206Pb/238U	158	172
12456AZ1_13	490	375	1.31	0.35109	0.02933	0.04688	0.00295	0.05432	0.00471	0.32	305.54	22.16	21.92	295.33	18.15	18.12	384.26	201.14	189.32	295.33	18.15	18.12	206Pb/238U	152	172
12456AZ1_14	316	136	2.32	9.83094	0.59156	0.41688	0.02607	0.17104	0.01044	0.50	2419.06	56.23	54.71	2246.28	119.18	118.09	2567.80	103.89	100.26	2419.06	56.23	54.71	207Pb/235U	165	174
12456AZ1_15	525	169	3.11	0.26402	0.02349	0.03714	0.00255	0.05156	0.00494	0.28	237.90	18.96	18.79	235.07	15.85	15.83	266.03	227.44	212.54	235.07	15.85	15.83	206Pb/238U	153	174
12456AZ1_16	857	1183	0.72	0.39864	0.02570	0.05556	0.00328	0.05204	0.00341	0.43	340.66	18.74	18.57	348.57	20.02	19.99	287.01	153.58	146.63	340.66	18.74	18.57	207Pb/235U	147	173
12456AZ1_17	663	109	6.07	5.33806	0.32023	0.32871	0.01818	0.11778	0.00730	0.42	1874.98	51.96	50.67	1832.12	88.48	87.88	1922.81	113.30	109.11	1874.98	51.96	50.67	207Pb/235U	170	172
12456AZ1_18	303	82	3.69	0.85416	0.05119	0.10019	0.00413	0.06183	0.00392	0.25	626.93	28.23	27.84	615.50	24.22	24.17	668.39	138.53	132.72	615.50	24.22	24.17	206Pb/238U	142	173
12456AZ1_19	733	240	3.06	0.34939	0.02258	0.04809	0.00239	0.05269	0.00349	0.35	304.26	17.06	16.92	302.80	14.73	14.71	315.50	154.13	147.12	302.80	14.73	14.71	206Pb/238U	147	172
12456AZ1_20	76	65	1.16	0.19134	0.04871	0.02601	0.00125	0.05336	0.01378	0.02	177.77	41.95	41.10	165.50	7.84	7.83	344.31	643.79	536.63	165.50	7.84	7.83	206Pb/238U	118	171
12456AZ1_21	858	248	3.46	0.47799	0.01965	0.06255	0.00129	0.05542	0.00233	0.18	396.70	13.54	13.45	391.14	7.80	7.80	429.22	95.19	92.45	391.14	7.80	7.80	206Pb/238U	143	175
12456AZ1_22	1251	492	2.54	0.25902	0.01132	0.03689	0.00079	0.05092	0.00227	0.18	233.88	9.15	9.11	233.53	4.91	4.91	237.41	104.49	101.23	233.53	4.91	4.91	206Pb/238U	117	174
12456AZ1_23	299	159	1.88	0.58563	0.03146	0.07589	0.00190	0.05597	0.00307	0.17	468.07	20.25	20.05	471.54	11.41	11.40	451.11	124.24	119.61	471.54	11.41	11.40	206Pb/238U	138	176
12456AZ1_24	756	98	7.70	0.68563	0.02515	0.08581	0.00189	0.05795	0.00210	0.30	530.17	15.21	15.09	530.69	11.21	11.20	527.95	80.60	78.61	530.69	11.21	11.20	206Pb/238U	119	173
12456AZ1_25	362	101	3.59	1.67890	0.05309	0.16902	0.00329	0.07204	0.00226	0.30	1000.56	20.22	20.02	1006.68	18.16	18.13	987.18	64.38	63.07	1006.68	18.16	18.13	206Pb/238U	163	173
12456AZ1_26	89	95	0.94	1.37574	0.08602	0.14559	0.00397	0.06853	0.00448	0.10	878.62	37.10	36.44	876.19	22.36	22.33	884.74	138.04	132.19	876.19	22.36	22.33	206Pb/238U	141	172
12456AZ1_27	505	177	2.86	0.44410	0.02393	0.05995	0.00189	0.05373	0.00296	0.24	373.14	16.90	16.76	375.30	11.52	11.51	359.77	126.96	122.15	375.30	11.52	11.51	206Pb/238U	144	172
12456AZ1_28	135	94	1.43	1.87719	0.09982	0.18219	0.00416	0.07473	0.00400	0.18	1073.07	35.54	34.92	1078.94	22.68	22.64	1061.16	109.75	105.98	1078.94	22.68	22.64	206Pb/238U	156	172
12456AZ1_29	273	93	2.92	3.68364	1.96579	0.22844	0.10633	0.11695	0.05609	0.55	1567.83	478.33	386.87	1326.32	570.39	546.22	1910.14	1015.97	755.16	1567.83	478.33	386.87	207Pb/235U	2	174
12456AZ1_30	695	472	1.47	0.67003	0.02253	0.08352	0.00173	0.05818	0.00199	0.25	520.73	13.75	13.65	517.11	10.32	10.31	536.67	75.75	73.99	517.11	10.32	10.31	206Pb/238U	140	173
12456AZ1_31	203	225	0.90	4.94960	0.14737	0.32083	0.00638	0.11189	0.00335	0.29	1810.76	25.31	25.00	1793.79	31.16	31.09	1830.34	54.79	53.80	1810.76	25.31	25.00	207Pb/235U	144	176
12456AZ1_32	335	129	2.59	13.85968	0.34698	0.52014	0.01125	0.19326	0.00510	0.33	2740.17	23.85	23.57	2699.75	47.78	47.60	2770.08	43.65	42.99	2740.17	23.85	23.57	207Pb/235U	158	174
12456AZ1_33	248	69	3.62	2.24842	0.07678	0.20267	0.00474	0.08046	0.00276	0.31	1196.29	24.14	23.86	1189.62	25.44	25.39	1208.36	68.40	66.90	1196.29	24.14	23.86	207Pb/235U	150	174
12456AZ1_34	79	28	2.83	2.02875	0.11254	0.18840	0.00482	0.07810	0.00429	0.24	1125.20	38.08	37.38	1112.71	26.19	26.14	1149.39	111.17	107.29	1112.71	26.19	26.14	206Pb/238U	137	174
12456AZ1_35	164	45	3.63	0.84319	0.05460	0.10059	0.00268	0.06079	0.00404	0.13	620.90	30.31	29.86	617.89	15.70	15.68	631.91	146.26	139.81	617.89	15.70	15.68	206Pb/238U	134	175
12456AZ1_36	783	243	3.22	0.60598	0.02477	0.07787	0.00166	0.05644	0.00234	0.21	481.02	15.72	15.60	483.40	9.91	9.90	469.68	92.96	90.34	483.40	9.91	9.90	206Pb/238U	159	175
12456AZ1_37	785	114	6.90	0.86368	0.03774	0.09854	0.00276	0.06357	0.00268	0.36	632.13	20.67	20.46	605.84	16.22	16.20	727.29	90.78	88.24	605.84	16.22	16.20	206Pb/238U	90	176
12456AZ1_38	318	287	1.10	0.57859	0.03457	0.07413	0.00198	0.05661	0.00343	0.18	463.55	22.36	22.12	461.00	11.87	11.86	476.22	136.87	131.26	461.00	11.87	11.86	206Pb/238U	131	174
12456AZ1_39	138	213	0.65	10.17936	0.31444	0.45511	0.01040	0.16222	0.00484	0.39	2451.21	28.76	28.36	2417.92	46.15	45.98	2478.94	50.82	49.94	2451.21	28.76	28.36	207Pb/235U	145	173
12456AZ1_40	96	77	1.26	2.21897	0.10628	0.20040	0.00518	0.08031	0.00397	0.19	1187.04	33.80	33.25	1177.49	27.85	27.79	1204.49	99.00	95.90	1177.49	27.85	27.79	206Pb/238U	142	172
12456AZ1_41	397	265	1.50	0.66004	0.02993	0.08384	0.00195	0.05710	0.00261	0.22	514.64	18.39	18.22	518.98	11.58	11.57	495.41	102.35	99.17	518.98	11.58	11.57	206Pb/238U	144	174
12456AZ1_42	328	325	1.01	0.52387	0.02758	0.06904	0.00175	0.05503	0.00295	0.19	427.73	18.46	18.30	430.38	10.58	10.57	413.48	122.06	117.59	430.38	10.58	10.57	206Pb/238U	131	175
12456AZ1_43	150	76	1.98	3.88575	0.14332	0.28398	0.00684	0.09924	0.00356	0.35	1610.73	30.01	29.57	1611.39	34.38	34.29	1609.86	67.67	66.18	1610.73	30.01	29.57	207Pb/235U	147	173
12456AZ1_44	182	88	2.07	0.34394	0.03648	0.04721	0.00156	0.05284	0.00570	0.09	300.15	27.75	27.38	297.38	9.58	9.58	321.81	254.82	236.21	297.38	9.58	9.58	206Pb/238U	125	171
12456AZ1_45	469	404	1.16	0.55269	0.02780	0.07088	0.00197	0.05655	0.00284	0.26	446.76	18.26	18.10	441.48	11.84	11.83	474.04	113.17	109						

12456AZ1_82	230	33	6.94	1.49806	0.07142	0.15624	0.00382	0.06954	0.00323	0.29	929.60	29.24	28.82	935.82	21.32	21.28	914.87	96.93	94.01	935.82	21.32	21.28	206Pb/238U	150	174
12456AZ1_83	198	47	4.20	1.36817	0.05983	0.14594	0.00353	0.06799	0.00297	0.25	875.38	25.81	25.49	878.18	19.85	19.81	868.30	91.99	89.36	878.18	19.85	19.81	206Pb/238U	145	173
12456AZ1_84	168	66	2.54	0.31718	0.02826	0.04291	0.00135	0.05361	0.00489	0.10	279.73	21.90	21.67	270.84	8.32	8.31	354.72	212.70	199.55	270.84	8.32	8.31	206Pb/238U	126	173
12456AZ1_85	129	93	1.39	0.31034	0.11443	0.24155	0.00557	0.09047	0.00339	0.30	1410.92	29.16	28.75	1394.77	28.98	28.91	1435.40	72.33	70.64	1410.92	29.16	28.75	207Pb/235U	148	173
12456AZ1_86	134	99	1.35	0.41173	0.03969	0.05412	0.00163	0.05518	0.00539	0.10	350.12	28.75	28.35	339.77	9.97	9.96	419.36	225.94	211.10	339.77	9.97	9.96	206Pb/238U	135	173
12456AZ1_87	359	24	14.72	1.45107	0.05583	0.15271	0.00326	0.06892	0.00261	0.28	910.32	23.26	23.00	916.14	18.23	18.20	896.21	79.16	77.20	916.14	18.23	18.20	206Pb/238U	157	172
12456AZ1_88	539	367	1.47	0.69788	0.03044	0.08728	0.00190	0.05799	0.00247	0.27	537.53	18.28	18.12	539.45	11.27	11.26	529.39	94.87	92.13	539.45	11.27	11.26	206Pb/238U	155	172
12456AZ1_89	688	154	4.48	1.50163	0.05779	0.14797	0.00360	0.07360	0.00273	0.35	931.05	23.59	23.32	889.58	20.25	20.22	1030.55	75.91	74.09	889.58	20.25	20.22	206Pb/238U	80	171
12456AZ1_90	546	358	1.53	0.30226	0.01844	0.04283	0.00108	0.05119	0.00312	0.19	268.17	14.43	14.33	270.32	6.65	6.65	249.40	143.45	137.38	270.32	6.65	6.65	206Pb/238U	124	172
12456AZ1_91	243	142	1.72	0.45342	0.03429	0.06116	0.00146	0.05377	0.00412	0.10	379.67	24.09	23.81	382.67	8.85	8.84	361.39	177.57	168.31	382.67	8.85	8.84	206Pb/238U	149	172
12456AZ1_92	851	971	0.88	0.14723	0.01040	0.02112	0.00053	0.05056	0.00364	0.11	139.46	9.23	9.19	134.72	3.37	3.37	220.89	171.18	162.63	134.72	3.37	3.37	206Pb/238U	114	172
12456AZ1_93	158	47	3.38	0.58447	0.03887	0.07549	0.00202	0.05615	0.00380	0.14	467.33	25.06	24.76	469.18	12.10	12.08	458.28	153.72	146.68	469.18	12.10	12.08	206Pb/238U	145	173
12456AZ1_94	120	78	1.55	4.06820	0.23026	0.28550	0.01353	0.10335	0.00601	0.38	1647.95	46.66	45.61	1619.02	68.01	67.66	1685.05	109.31	105.45	1647.95	46.66	45.61	207Pb/235U	166	172
12456AZ1_95	515	512	1.01	0.36307	0.02424	0.05010	0.00206	0.05256	0.00347	0.32	314.50	18.14	17.98	315.14	12.64	12.63	309.77	154.09	147.09	315.14	12.64	12.63	206Pb/238U	127	171
12456AZ1_96	385	132	2.91	1.50372	0.08886	0.15163	0.00808	0.07193	0.00428	0.44	931.89	36.36	35.72	910.08	45.31	45.15	983.86	123.45	118.73	931.89	36.36	35.72	207Pb/235U	169	172
12456AZ1_97	199	13	15.37	1.85547	0.10773	0.17512	0.00877	0.07684	0.00483	0.32	1065.38	38.67	37.95	1040.28	48.21	48.03	1117.13	128.01	122.91	1065.38	38.67	37.95	207Pb/235U	163	172
12456AZ1_98	204	201	1.02	0.27596	0.03665	0.03807	0.00221	0.05257	0.00710	0.18	247.45	29.38	28.96	240.85	13.72	13.70	310.45	323.12	293.78	240.85	13.72	13.70	206Pb/238U	128	173
12456AZ1_100	622	277	2.25	0.26365	0.01944	0.03734	0.00208	0.05121	0.00370	0.40	237.61	15.68	15.56	236.32	12.95	12.93	250.41	170.66	162.15	236.32	12.95	12.93	206Pb/238U	127	172
12456AZ1_101	883	377	2.34	0.22800	0.01389	0.03198	0.00158	0.05170	0.00323	0.36	208.55	11.51	11.45	202.96	9.85	9.84	272.18	146.63	140.29	202.96	9.85	9.84	206Pb/238U	128	172
12456AZ1_102	401	63	6.39	0.48948	0.03285	0.06447	0.00297	0.05507	0.00366	0.35	404.56	22.52	22.27	402.74	17.97	17.94	414.95	151.89	145.04	402.74	17.97	17.94	206Pb/238U	162	174
12456AZ1_103	190	154	1.23	0.68995	0.04587	0.08449	0.00414	0.05923	0.00385	0.39	532.77	27.75	27.38	522.84	24.63	24.59	575.51	144.36	138.09	522.84	24.63	24.59	206Pb/238U	142	171
12456AZ1_104	213	152	1.41	1.50278	0.09148	0.15254	0.00647	0.07145	0.00418	0.39	931.51	37.46	36.78	915.21	36.23	36.13	970.30	121.82	117.22	915.21	36.23	36.13	206Pb/238U	167	172
12456AZ1_105	328	147	2.22	0.26346	0.02659	0.03661	0.00131	0.05219	0.00528	0.17	237.45	21.49	21.26	231.81	8.16	8.16	293.65	239.56	223.06	231.81	8.16	8.16	206Pb/238U	134	171
12456AZ1_106	185	97	1.91	0.34578	0.04026	0.04663	0.00286	0.05378	0.00636	0.23	301.54	30.61	30.15	293.81	17.63	17.61	361.87	278.46	256.33	293.81	17.63	17.61	206Pb/238U	144	172
12456AZ1_107	196	151	1.30	0.47717	0.03639	0.06143	0.00309	0.05633	0.00445	0.27	396.13	25.17	24.86	384.33	18.76	18.74	465.57	180.13	170.54	384.33	18.76	18.74	206Pb/238U	136	171
12456AZ1_108	235	116	2.02	0.24636	0.02626	0.03581	0.00139	0.04990	0.00546	0.10	223.61	21.51	21.28	226.79	8.63	8.62	190.37	264.80	244.92	226.79	8.63	8.62	206Pb/238U	125	173
12456AZ1_109	435	63	6.94	1.43541	0.05902	0.14597	0.00452	0.07132	0.00283	0.40	903.81	24.76	24.46	878.35	25.48	25.43	966.56	82.13	80.01	903.81	24.76	24.46	207Pb/235U	144	172

Sample 10TM-105A (Apatite to Zircon, Inc. 1134-13); Okpikruak Formation, Endicott Mountains allochthon (N68.19008°, W162.36967°)

113413_1	428	208	2.06	0.57868	0.02315	0.07382	0.00157	0.05685	0.00239	0.09	463.61	14.94	14.83	459.15	9.44	9.44	485.81	94.24	91.54	459.15	9.44	9.44	206Pb/238U	89	176
113413_2	335	254	1.32	0.58129	0.02147	0.07452	0.00146	0.05658	0.00222	0.05	465.29	13.83	13.74	463.32	8.78	8.77	475.02	87.94	85.59	463.32	8.78	8.77	206Pb/238U	142	176
113413_3	2402	622	3.86	0.43297	0.01177	0.05723	0.00117	0.05487	0.00156	0.21	365.29	8.35	8.32	358.76	7.13	7.13	406.93	64.42	63.16	358.76	7.13	7.13	206Pb/238U	131	176
113413_4	539	105	5.15	3.71224	0.09012	0.26818	0.00503	0.10039	0.00264	0.14	1574.01	19.51	19.33	1531.57	25.60	25.54	1631.38	49.19	48.39	1574.01	19.51	19.33	207Pb/235U	138	176
113413_5	524	344	1.52	0.33797	0.01356	0.04738	0.00099	0.05174	0.00219	0.07	295.63	10.32	10.27	298.39	6.10	6.10	273.89	98.67	95.75	298.39	6.10	6.10	206Pb/238U	132	176
113413_6	565	89	6.37	5.33654	0.11871	0.33056	0.00636	0.11709	0.00285	0.17	1874.73	19.11	18.93	1841.09	30.84	30.77	1912.22	44.08	43.43	1874.73	19.11	18.93	207Pb/235U	137	176
113413_7	266	381	0.70	0.47278	0.02153	0.06264	0.00136	0.05474	0.00262	0.06	393.10	14.90	14.79	391.68	8.23	8.22	401.51	109.11	105.53	391.68	8.23	8.22	206Pb/238U	116	176
113413_8	175	100	1.74	0.60036	0.02878	0.07683	0.00170	0.05667	0.00287	0.04	477.46	18.34	18.18	477.19	10.17	10.16	478.76	114.03	110.10	477.19	10.17	10.16	206Pb/238U	132	176
113413_9	886	755	1.17	14.57421	0.38413	0.51407	0.01186	0.20562	0.00601	0.21	2787.85	25.20	24.89	2673.99	50.61	50.41	2871.31	47.90	47.11	2787.85	25.20	24.89	207Pb/235U	79	176
113413_10	44	14	3.18	0.42274	0.05140	0.05435	0.00204	0.05641	0.00711	0.02	358.01	37.02	36.36	341.19	12.51	12.50	468.55	291.82	267.45	341.19	12.51	12.50	206Pb/238U	90	176
113413_11	447	240	1.86	1.11333	0.03172	0.12440	0.00247	0.06491	0.00201	0.11	759.77	15.30	15.18	755.82	14.19	14.18	771.42	65.74	64.39	755.82	14.19	14.18	206Pb/238U	130	176
113413_12	317	150	2.11	5.83392	0.14484	0.34298	0.00702	0.12336	0.00332	0.19	1951.46	21.64	21.41	1901.01	33.76	33.67	2005.43	48.12	47.35	1951.46	21.64	21.41	207Pb/235U	123	176
113413_13	293	166	1.76	11.33065	0.34213	0.46401	0.01179	0.17710	0.00574	0.26	2550.73	28.37	27.98	2457.26	52.04	51.83	2625.91	54.41	53.40	2550.73	28.37	27.98	207Pb/235U	65	176
113413_14	709	667	1.06	0.36474	0.01855	0.04934	0.00124	0.05362	0.00280	0.16	315.75	13.85	13.76	310.45	7.64	7.63	355.00	120.05	115.74	310.45	7.64	7.63	206Pb/238U	86	176
113413_15	216	140	1.55	1.14266	0.03782	0.12641	0.00260	0.06556	0.00234	0.08	773.77	18.00	17.85	767.34	14.89	14.87	792.38	75.74	73.95	767.34	14.89	14.87	206Pb/238U	116	176
113413_16	541	106	5.09	6.01231	0.14375	0.35353	0.00756	0.12334	0.00322	0.23	1977.63	20.92	20.71	1951.45	36.08	35.97	2005.12	46.71	45.98	1977.63	20.92	20.71	207Pb/235U	146	176
113413_17	812	293	2.77	5.22514	0.15830	0.32173	0.00880	0.11779	0.00393	0.27	1856.73	25.99	25.66	1798.1											

113413_53	166	70	2.35	0.35037	0.02435	0.04827	0.00150	0.05265	0.00380	0.11	305.00	18.39	18.23	303.88	9.23	9.22	313.55	168.40	160.07	303.88	9.23	9.22	206Pb/238U	84	176
113413_54	239	192	1.25	10.53760	0.49845	0.44547	0.01688	0.17156	0.00849	0.31	2483.23	44.35	43.40	2375.07	75.50	75.06	2572.95	83.88	81.50	2483.23	44.35	43.40	207Pb/235U	34	176
113413_55	91	30	3.04	0.42460	0.03846	0.05833	0.00190	0.05279	0.00497	0.05	359.33	27.60	27.23	365.47	11.59	11.58	319.87	221.11	206.96	365.47	11.59	11.58	206Pb/238U	87	176
113413_56	151	122	1.24	0.29300	0.02368	0.04048	0.00118	0.05250	0.00439	0.05	260.92	18.69	18.51	255.78	7.29	7.29	307.31	196.27	185.05	255.78	7.29	7.29	206Pb/238U	129	176
113413_57	407	217	1.88	0.28795	0.01326	0.04060	0.00101	0.05144	0.00250	0.10	256.94	10.48	10.43	256.53	6.25	6.25	260.68	113.71	109.86	256.53	6.25	6.25	206Pb/238U	118	176
113413_58	93	74	1.25	1.29452	0.05453	0.13805	0.00312	0.06801	0.00300	0.11	843.30	24.27	23.99	833.60	17.71	17.69	868.91	92.68	90.01	833.60	17.71	17.69	206Pb/238U	130	176
113413_59	142	82	1.74	5.46037	0.18435	0.32853	0.00878	0.12054	0.00436	0.23	1894.39	29.18	28.77	1831.26	42.67	42.53	1964.29	65.22	63.81	1894.39	29.18	28.77	207Pb/235U	102	176
113413_61	245	219	1.12	0.26998	0.01896	0.03789	0.00092	0.05168	0.00374	0.04	242.68	15.22	15.11	239.75	5.75	5.74	271.07	170.45	161.94	239.75	5.75	5.74	206Pb/238U	114	176
113413_62	172	192	0.90	0.49436	0.02792	0.06534	0.00132	0.05487	0.00316	0.06	407.88	19.06	18.88	408.02	7.99	7.98	407.07	131.62	126.44	408.02	7.99	7.98	206Pb/238U	122	176
113413_63	670	500	1.34	0.70237	0.02183	0.08706	0.00185	0.05851	0.00196	0.11	540.20	13.06	12.98	538.12	11.00	10.99	549.00	73.90	72.23	538.12	11.00	10.99	206Pb/238U	134	176
113413_64	32	27	1.16	10.32586	0.34648	0.45322	0.01121	0.16524	0.00590	0.20	2464.43	31.30	30.83	2409.53	49.83	49.64	2510.02	60.66	59.40	2464.43	31.30	30.83	207Pb/235U	131	176
113413_65	359	131	2.75	1.33910	0.03737	0.14266	0.00291	0.06808	0.00201	0.16	862.84	16.29	16.16	859.71	16.43	16.41	870.89	61.75	60.55	862.84	16.29	16.16	207Pb/235U	148	176
113413_66	168	230	0.73	0.55944	0.02812	0.07281	0.00169	0.05572	0.00294	0.06	451.16	18.39	18.23	453.08	10.16	10.16	441.40	119.41	115.13	453.08	10.16	10.16	206Pb/238U	123	176
113413_67	395	432	0.91	0.84438	0.02596	0.10025	0.00205	0.06109	0.00202	0.09	621.56	14.34	14.24	615.86	11.99	11.98	642.38	71.74	70.15	615.86	11.99	11.98	206Pb/238U	155	176
113413_68	146	80	1.81	0.35391	0.02233	0.04904	0.00117	0.05234	0.00339	0.07	307.66	16.82	16.68	308.65	7.17	7.17	300.13	151.22	144.47	308.65	7.17	7.17	206Pb/238U	112	176
113413_69	45	41	1.10	1.21624	0.07727	0.13147	0.00349	0.06710	0.00446	0.05	808.05	35.71	35.10	796.24	19.91	19.88	840.74	141.63	135.50	796.24	19.91	19.88	206Pb/238U	110	176
113413_70	43	33	1.32	0.29390	0.05169	0.03843	0.00149	0.05547	0.00993	0.02	261.63	40.98	40.17	243.09	9.28	9.27	431.16	425.98	376.06	243.09	9.28	9.27	206Pb/238U	79	176
113413_71	85	65	1.29	1.18519	0.07120	0.12928	0.00347	0.06649	0.00412	0.11	793.73	33.35	32.82	783.74	19.82	19.79	821.90	132.24	126.88	783.74	19.82	19.79	206Pb/238U	76	176
113413_72	80	86	0.92	0.43534	0.02891	0.05833	0.00163	0.05413	0.00376	0.06	366.96	20.56	20.35	365.49	9.93	9.93	376.26	160.27	152.68	365.49	9.93	9.93	206Pb/238U	100	176
113413_73	269	190	1.42	10.61864	0.30244	0.45277	0.01079	0.17009	0.00521	0.22	2490.34	26.60	26.26	2407.56	47.96	47.78	2558.57	51.70	50.78	2490.34	26.60	26.26	207Pb/235U	89	176
113413_74	128	36	3.56	1.56979	1.02195	0.13390	0.05916	0.08503	0.06019	0.20	958.34	450.21	368.29	810.05	340.81	332.03	1316.23	1813.39	1131.28	810.05	340.81	332.03	206Pb/238U	2	176
113413_75	941	817	1.15	0.41253	0.01228	0.05496	0.00119	0.05443	0.00172	0.17	350.70	8.84	8.81	344.93	7.29	7.29	389.04	71.58	70.02	344.93	7.29	7.29	206Pb/238U	124	176
113413_76	95	86	1.10	0.27830	0.02342	0.03856	0.00122	0.05235	0.00457	0.06	249.30	18.69	18.52	243.89	7.56	7.56	300.56	205.28	193.05	243.89	7.56	7.56	206Pb/238U	79	176
113413_77	1395	43	32.28	4.58194	0.14546	0.29726	0.00898	0.11179	0.00333	0.49	1745.99	26.63	26.29	1677.69	44.68	44.52	1828.78	54.43	53.45	1745.99	26.63	26.29	207Pb/235U	80	176
113413_79	727	942	0.77	0.25043	0.02039	0.03376	0.00119	0.05380	0.00448	0.14	226.92	16.63	16.49	214.03	7.45	7.45	362.78	193.56	182.60	214.03	7.45	7.45	206Pb/238U	38	176
113413_80	286	178	1.61	0.38020	0.01799	0.05167	0.00139	0.05337	0.00271	0.09	327.19	13.28	13.19	324.74	8.50	8.49	344.63	117.02	112.93	324.74	8.50	8.49	206Pb/238U	102	176
113413_81	231	40	5.72	0.62087	0.02428	0.07746	0.00171	0.05813	0.00243	0.07	490.39	15.27	15.15	480.96	10.24	10.24	534.72	92.65	90.04	480.96	10.24	10.24	206Pb/238U	134	176
113413_82	74	58	1.27	0.52101	0.04555	0.06863	0.00184	0.05506	0.00492	0.05	425.83	30.64	30.18	427.89	11.13	11.12	414.65	206.08	193.66	427.89	11.13	11.12	206Pb/238U	108	176
113413_83	149	53	2.80	5.69754	0.15699	0.34372	0.00710	0.12022	0.00344	0.20	1931.00	23.94	23.66	1904.55	34.13	34.04	1959.50	51.53	50.64	1931.00	23.94	23.66	207Pb/235U	121	176
113413_84	287	277	1.03	0.27288	0.01552	0.03860	0.00090	0.05127	0.00302	0.06	245.00	12.41	12.34	244.17	5.60	5.60	252.87	138.43	132.77	244.17	5.60	5.60	206Pb/238U	109	176
113413_85	148	108	1.37	0.42621	0.02808	0.05626	0.00143	0.05494	0.00375	0.05	360.48	20.09	19.89	352.87	8.74	8.73	409.77	156.55	149.28	352.87	8.74	8.73	206Pb/238U	117	176
113413_86	146	108	1.35	5.09875	0.15068	0.32345	0.00703	0.11433	0.00364	0.14	1835.90	25.24	24.93	1806.54	34.30	34.20	1869.34	58.01	56.89	1835.90	25.24	24.93	207Pb/235U	120	176
113413_88	122	59	2.09	4.81588	0.12777	0.31442	0.00622	0.11109	0.00316	0.13	1787.68	22.43	22.19	1762.40	30.56	30.48	1817.31	52.08	51.19	1787.68	22.43	22.19	207Pb/235U	141	176
113413_89	80	45	1.77	5.95162	0.18153	0.34613	0.00846	0.12471	0.00417	0.18	1968.80	26.69	26.34	1916.08	40.56	40.43	2024.67	59.82	58.63	1968.80	26.69	26.34	207Pb/235U	115	176
113413_90	1055	780	1.35	0.22498	0.00794	0.03227	0.00067	0.05056	0.00185	0.13	206.05	6.59	6.57	204.76	4.18	4.18	220.78	85.80	83.59	204.76	4.18	4.18	206Pb/238U	116	176
113413_91	143	124	1.15	4.82991	0.12597	0.31280	0.00657	0.11199	0.00325	0.10	1790.12	22.06	21.82	1754.49	32.30	32.23	1831.90	53.05	52.12	1790.12	22.06	21.82	207Pb/235U	146	176
113413_92	90	64	1.41	4.89930	0.13573	0.31881	0.00667	0.11145	0.00338	0.11	1802.14	23.50	23.23	1783.93	32.66	32.58	1823.26	55.53	54.51	1802.14	23.50	23.23	207Pb/235U	140	173
113413_93	159	340	0.47	0.57658	0.03596	0.07333	0.00189	0.05703	0.00369	0.06	462.26	23.29	23.03	456.17	11.37	11.36	492.63	146.12	139.73	456.17	11.37	11.36	206Pb/238U	98	172
113413_94	584	213	2.74	4.37924	0.10338	0.29363	0.00612	0.10817	0.00279	0.17	1708.43	19.61	19.42	1659.66	30.55	30.48	1768.76	47.40	46.66	1708.43	19.61	19.42	207Pb/235U	121	174
113413_95	321	170	1.89	1.09850	0.03225	0.12164	0.00230	0.06550	0.00202	0.09	752.62	15.67	15.55	740.00	13.24	13.22	790.33	65.54	64.20	740.00	13.24	13.22	206Pb/238U	138	173
113413_96	383	209	1.84	0.36223	0.01528	0.04923	0.00102	0.05337	0.00231	0.11	313.88	11.42	11.36	309.78	6.26	6.26	344.37	99.28	96.32	309.78	6.26	6.26	206Pb/238U	128	176
113413_97	42	27	1.56	0.47002	0.05516	0.06025	0.00229	0.05658	0.00690	0.02	391.20	38.46	37.75	377.14	13.95	13.94	475.23	281.52	258.76	377.14	13.95	13.94	206Pb/238U	85	171
113413_98	94	55	1.72	0.61133	0.03851	0.07761	0.00197	0.05713	0.00376	0.04	484.40	24.41	24.12	481.85	11.80	11.79	496.47	148.26	141.69	481.85	11.80	11.79	206Pb/238U	127	173
113413_99	85	34	2.46	5.89074	0.17053	0.34735	0.00798	0.12300	0.00397	0.12	1959.87	25.29	24.97	1921.92	38.23	38.12	2000.19	57.89	56.77	1959.87	25.29	24.97	207Pb/235U	118	173
113413_100	151	201	0.75	0.32997																					

5263A31	1837	902	2.04	0.27856	0.01054	0.03909	0.00066	0.05168	0.00202	0.03	249.52	8.39	8.35	247.22	4.12	4.12	271.17	90.78	88.31	247.22	4.12	4.12	206Pb/238U	126	178
5263A32	2987	28	107.95	4.52566	0.16957	0.28716	0.00796	0.11430	0.00438	0.29	1735.70	31.40	30.92	1627.31	39.91	39.78	1868.94	69.99	68.38	1735.70	31.40	30.92	207Pb/235U	13	173
5263A34	888	584	1.52	0.17064	0.02319	0.02354	0.00048	0.05257	0.00720	-0.01	159.97	20.21	20.01	150.00	3.02	3.02	310.30	327.80	297.64	150.00	3.02	3.02	206Pb/238U	140	178
5263A35	273	348	0.79	0.37596	0.04437	0.04882	0.00150	0.05585	0.00678	0.00	324.06	33.01	32.48	307.28	9.21	9.21	446.47	281.68	258.94	307.28	9.21	9.21	206Pb/238U	113	178
5263A36	3354	434	7.72	4.83473	0.40013	0.29767	0.01735	0.11780	0.00904	0.42	1790.96	70.85	68.47	1679.73	86.50	85.92	1923.09	140.85	134.44	1790.96	70.85	68.47	207Pb/235U	3	178
5263A38	339	346	0.98	10.97099	0.48325	0.45843	0.01331	0.17357	0.00774	0.27	2520.68	41.41	40.58	2432.62	58.97	58.70	2592.36	75.37	73.44	2520.68	41.41	40.58	207Pb/235U	20	178
5263A39	978	773	1.26	0.25395	0.01513	0.03587	0.00067	0.05135	0.00314	-0.01	229.78	12.29	12.22	227.18	4.17	4.17	256.49	143.88	137.78	227.18	4.17	4.17	206Pb/238U	107	178
5263A40	1996	488	4.09	0.28544	0.01070	0.03970	0.00068	0.05214	0.00202	0.02	254.97	8.47	8.43	250.99	4.24	4.24	291.69	89.67	87.26	250.99	4.24	4.24	206Pb/238U	121	178
5263A41	2207	1114	1.98	0.26865	0.01010	0.03712	0.00068	0.05249	0.00202	0.08	241.62	8.10	8.06	234.97	4.24	4.24	306.71	88.97	86.59	234.97	4.24	4.24	206Pb/238U	112	178
5263A42	1372	1864	0.74	0.31254	0.01444	0.04319	0.00075	0.05249	0.00248	0.02	276.15	11.20	11.14	272.56	4.66	4.66	306.65	109.46	105.88	272.56	4.66	4.66	206Pb/238U	130	178
5263A43	278	158	1.76	10.77903	0.70933	0.44107	0.02179	0.17724	0.01097	0.43	2504.26	62.09	60.24	2355.42	97.84	97.11	2627.25	104.76	101.07	2504.26	62.09	60.24	207Pb/235U	8	178
5263A44	2505	1846	1.36	0.20464	0.00905	0.02931	0.00055	0.05064	0.00228	0.07	189.05	7.65	7.62	186.22	3.44	3.44	224.49	105.89	102.55	186.22	3.44	3.44	206Pb/238U	106	178
5263A45	46	51	0.91	2.39618	0.22523	0.20949	0.00659	0.08296	0.00792	0.10	1241.46	68.48	66.25	1226.12	35.16	35.07	1268.18	192.38	180.98	1226.12	35.16	35.07	206Pb/238U	120	178
5263A46	2303	1365	1.69	0.42047	0.01256	0.05566	0.00100	0.05478	0.00169	0.09	356.39	8.99	8.96	349.21	6.09	6.08	403.39	69.72	68.24	349.21	6.09	6.08	206Pb/238U	147	178
5263A47	3400	971	3.50	0.31464	0.00989	0.04242	0.00074	0.05379	0.00174	0.05	277.77	7.65	7.62	267.84	4.56	4.56	362.28	74.01	72.35	267.84	4.56	4.56	206Pb/238U	141	178
5263A48	388	185	2.10	0.41192	0.03507	0.05435	0.00121	0.05496	0.00476	0.03	350.25	25.38	25.07	341.19	7.39	7.39	410.77	199.79	188.10	341.19	7.39	7.39	206Pb/238U	131	178
5263A49	850	862	0.99	0.22406	0.01367	0.03192	0.00102	0.05091	0.00318	0.19	205.29	11.38	11.31	202.56	6.38	6.38	236.72	147.19	140.82	202.56	6.38	6.38	206Pb/238U	122	178
5263A50	2767	2553	1.08	0.36532	0.01668	0.04976	0.00185	0.05324	0.00243	0.38	316.18	12.44	12.37	313.06	11.39	11.38	339.22	104.94	101.64	313.06	11.39	11.38	206Pb/238U	149	178
5263A51	1286	1738	0.74	0.35837	0.01607	0.04875	0.00185	0.05332	0.00245	0.36	311.00	12.05	11.98	306.84	11.36	11.35	342.30	105.50	102.17	306.84	11.36	11.35	206Pb/238U	134	178
5263A52	465	413	1.13	3.85727	0.17784	0.26530	0.01099	0.10545	0.00476	0.44	1604.79	37.52	36.84	1516.89	56.10	55.86	1722.17	84.10	81.79	1604.79	37.52	36.84	207Pb/235U	135	178
5263A53	2232	1555	1.44	0.21581	0.01270	0.03124	0.00123	0.05011	0.00297	0.30	198.42	10.64	10.58	198.28	7.66	7.66	200.11	140.73	134.91	198.28	7.66	7.66	206Pb/238U	112	178
5263A54	722	599	1.20	4.84004	0.20891	0.29835	0.01242	0.11766	0.00504	0.46	1791.88	36.65	36.00	1683.12	61.84	61.54	1920.95	77.86	75.86	1791.88	36.65	36.00	207Pb/235U	133	178
5263A55	1037	854	1.21	0.85336	0.04499	0.09935	0.00478	0.06229	0.00333	0.42	626.49	24.80	24.50	610.63	28.05	27.99	684.20	116.13	112.02	626.49	24.80	24.50	207Pb/235U	136	178
5263A56	1069	390	2.74	0.44098	0.02298	0.05833	0.00238	0.05483	0.00290	0.35	370.94	16.26	16.13	365.48	14.50	14.49	405.23	120.45	116.10	365.48	14.50	14.49	206Pb/238U	134	178
5263A57	1502	1280	1.17	0.24467	0.01808	0.03537	0.00203	0.05017	0.00357	0.42	222.23	14.80	14.70	224.08	12.62	12.60	202.71	169.51	161.13	224.08	12.62	12.60	206Pb/238U	120	178
5263A58	324	452	0.72	2.73564	0.24060	0.21906	0.01858	0.09057	0.00841	0.41	1338.19	66.47	64.37	1276.93	98.64	97.89	1437.58	182.37	172.01	1338.19	66.47	64.37	207Pb/235U	174	178
5263A59	950	431	2.20	5.22660	0.58830	0.31207	0.03431	0.12147	0.01379	0.48	1856.96	98.28	93.74	1750.90	169.70	167.49	1977.90	209.37	195.49	1856.96	98.28	93.74	207Pb/235U	177	178
5263A60	1078	333	3.24	1.66508	0.25207	0.15639	0.02396	0.07722	0.01192	0.48	995.31	98.38	93.84	936.69	134.24	132.86	1126.85	323.91	293.07	995.31	98.38	93.84	207Pb/235U	177	178
5263A61	1140	1025	1.11	10.15189	1.57161	0.36150	0.05403	0.20368	0.02959	0.54	2448.71	148.39	138.28	1989.28	258.39	253.31	2855.88	246.84	227.12	2448.71	148.39	138.28	207Pb/235U	161	178
5263A62	830	397	2.09	0.30945	0.03991	0.04174	0.00533	0.05377	0.00713	0.46	273.76	31.18	30.71	263.63	32.99	32.91	361.23	314.03	286.16	273.76	31.18	30.71	207Pb/235U	158	178
5263A63	515	397	1.30	4.26709	0.42096	0.27493	0.02832	0.11257	0.01161	0.47	1687.04	82.82	79.57	1565.75	143.99	142.40	1841.29	192.74	180.98	1687.04	82.82	79.57	207Pb/235U	176	178
5263A64	1138	957	1.19	0.43201	0.04008	0.05631	0.00559	0.05564	0.00521	0.52	364.60	28.62	28.22	353.15	34.19	34.10	438.08	215.32	201.78	364.60	28.62	28.22	207Pb/235U	159	178
5263A65	1282	854	1.50	0.44596	0.03845	0.05694	0.00519	0.05680	0.00519	0.46	374.44	27.18	26.82	357.01	31.68	31.60	483.78	208.58	195.81	374.44	27.18	26.82	207Pb/235U	161	178
5263A66	510	1090	0.47	0.31891	0.04259	0.04064	0.00387	0.05691	0.00741	0.39	281.06	33.06	32.53	256.79	23.97	23.92	488.23	300.83	274.96	256.79	23.97	23.92	206Pb/238U	132	178
5263A67	1315	786	1.67	6.84060	1.27560	0.30316	0.05507	0.16365	0.03018	0.50	2090.99	172.30	158.82	1706.98	275.33	269.57	2493.72	328.64	294.99	2090.99	172.30	158.82	207Pb/235U	64	178
5263A68	969	335	2.90	0.26122	0.01682	0.03596	0.00122	0.05268	0.00344	0.21	235.65	13.58	13.49	227.76	7.61	7.60	315.11	152.13	145.30	227.76	7.61	7.60	206Pb/238U	135	178
5263A70	2167	50	43.42	4.40122	0.43926	0.27285	0.02819	0.11699	0.01239	0.45	1712.57	84.30	80.94	1555.25	143.58	142.00	1910.74	196.54	184.29	1712.57	84.30	80.94	207Pb/235U	170	177
5263A71	563	197	2.86	0.32162	0.03933	0.04218	0.00446	0.05530	0.00688	0.41	283.15	30.45	30.00	266.34	27.60	27.55	424.35	290.19	266.14	266.34	27.60	27.55	206Pb/238U	128	178
5263A72	112	109	1.03	5.08879	0.55409	0.33452	0.03587	0.11033	0.01153	0.53	1834.24	94.57	90.36	1860.26	174.42	172.09	1804.84	196.28	184.12	1834.24	94.57	90.36	207Pb/235U	172	178
5263A73	499	232	2.15	11.05196	1.16623	0.43547	0.04720	0.18407	0.01948	0.51	2527.52	100.71	95.95	2330.34	213.73	210.25	2689.87	180.43	169.72	2527.52	100.71	95.95	207Pb/235U	177	178
5263A74	555	407	1.36	0.67836	0.08118	0.07820	0.00959	0.06291	0.00768	0.49	525.79	49.72	48.53	485.38	57.49	57.24	705.30	271.16	249.70	525.79	49.72	48.53	207Pb/235U	162	178
5263A75	1628	1248	1.30	4.11193	0.28456	0.26813	0.01775	0.11122	0.00732	0.52	1656.68	57.32	55.75	1531.31	90.55	89.92	1819.51	121.98	117.17	1656.68	57.32	55.75	207Pb/235U	171	178
5263A76	1133	730	1.55	3.91888	0.33322	0.26122	0.02199	0.10881	0.00863	0.55	1617.59	69.98	67.65	1496.07	112.87	111.89	1779.54	148.23	141.19	1617.59	69.98	67.65	207Pb/235U	160	178
5263A77	2800	1246	2.25	0.53674	0.04969	0.06755	0.00632	0.05763	0.00516	0.53	436.27	33.10	32.57	421.36	38.24	38.12	515.77	203.02	190.88	436.27	33.10	32.57	207Pb/235U	166	178

78210_11	490	229	2.14	0.95775	0.04580	0.11078	0.00407	0.06270	0.00330	0.15	682.13	23.90	23.62	677.28	23.64	23.59	698.15	114.04	110.07	682.13	23.90	23.62	207Pb/235U	140	177
78210_12	947	278	3.40	1.82938	0.07701	0.17277	0.00634	0.07680	0.00333	0.31	1056.06	27.82	27.45	1027.34	34.92	34.82	1115.91	87.67	85.25	1056.06	27.82	27.45	207Pb/235U	153	178
78210_14	243	253	0.96	0.51013	0.04482	0.06571	0.00297	0.05631	0.00518	0.13	418.54	30.36	29.91	410.23	18.00	17.97	464.55	210.38	197.41	410.23	18.00	17.97	206Pb/238U	111	178
78210_15	174	110	1.58	0.44293	0.06018	0.05870	0.00293	0.05473	0.00753	0.13	372.32	42.80	41.91	367.69	17.85	17.82	401.24	324.11	294.44	367.69	17.85	17.82	206Pb/238U	92	178
78210_16	1708	973	1.76	0.45096	0.02145	0.05970	0.00231	0.05479	0.00262	0.33	377.95	15.06	14.95	373.77	14.08	14.07	403.61	108.89	105.33	373.77	14.08	14.07	206Pb/238U	132	178
78210_17	1320	470	2.81	0.59715	0.02645	0.07591	0.00284	0.05705	0.00257	0.32	475.42	16.89	16.75	471.68	17.00	16.98	493.50	101.08	97.98	475.42	16.89	16.75	207Pb/235U	143	178
78210_18	999	978	1.02	6.02145	0.23401	0.35345	0.01221	0.12356	0.00491	0.31	1978.95	34.13	33.56	1951.06	58.27	58.01	2008.22	71.45	69.76	1978.95	34.13	33.56	207Pb/235U	144	176
78210_19	1186	141	8.42	0.74546	0.03307	0.09128	0.00333	0.05923	0.00267	0.30	565.59	19.33	19.15	563.11	19.68	19.65	575.55	99.68	96.65	565.59	19.33	19.15	207Pb/235U	134	177
78210_20	844	610	1.38	10.85461	0.46053	0.45003	0.01614	0.17493	0.00753	0.31	2510.76	39.83	39.07	2395.38	71.96	71.56	2605.41	72.59	70.80	2510.76	39.83	39.07	207Pb/235U	131	178
78210_21	410	424	0.97	0.48573	0.02894	0.06253	0.00244	0.05634	0.00357	0.16	402.00	19.87	19.68	390.98	14.82	14.80	465.81	143.61	137.45	390.98	14.82	14.80	206Pb/238U	125	178
78210_22	303	473	0.64	0.51297	0.04546	0.06465	0.00285	0.05755	0.00530	0.13	420.44	30.74	30.28	403.83	17.24	17.22	512.62	209.19	196.33	403.83	17.24	17.22	206Pb/238U	84	177
78210_23	788	607	1.30	9.04086	0.37216	0.42407	0.01695	0.15462	0.00668	0.34	2342.15	37.99	37.29	2278.91	76.96	76.50	2397.70	74.44	72.57	2342.15	37.99	37.29	207Pb/235U	126	177
78210_24	767	837	0.92	0.61256	0.03001	0.07835	0.00310	0.05670	0.00281	0.32	485.17	18.99	18.81	486.28	18.52	18.50	479.93	111.61	107.85	486.28	18.52	18.50	206Pb/238U	115	178
78210_25	2058	1597	1.29	0.39625	0.01772	0.05348	0.00180	0.05373	0.00249	0.22	338.92	12.93	12.85	335.87	11.04	11.03	359.93	106.37	102.98	335.87	11.04	11.03	206Pb/238U	129	178
78210_26	967	553	1.75	5.63813	0.23943	0.32426	0.01184	0.12611	0.00548	0.31	1921.95	36.96	36.30	1810.51	57.79	57.53	2044.39	77.88	75.87	1921.95	36.96	36.30	207Pb/235U	114	177
78210_27	1128	1283	0.88	0.38762	0.02035	0.05304	0.00203	0.05300	0.00288	0.24	332.63	14.94	14.84	333.16	12.42	12.41	328.93	125.64	120.94	333.16	12.42	12.41	206Pb/238U	108	176
78210_28	742	378	1.96	1.17039	0.05449	0.12975	0.00463	0.06542	0.00319	0.23	786.83	25.65	25.33	786.41	26.46	26.40	788.00	104.03	100.70	786.83	25.65	25.33	207Pb/235U	138	178
78210_29	442	194	2.28	0.63112	0.04141	0.07932	0.00296	0.05771	0.00380	0.23	496.79	25.94	25.61	492.04	17.71	17.69	518.74	148.08	141.52	492.04	17.71	17.69	206Pb/238U	100	175
78210_30	497	266	1.87	1.29192	0.05943	0.13766	0.00527	0.06806	0.00336	0.23	842.15	26.50	26.16	831.44	29.87	29.80	870.48	104.13	100.77	842.15	26.50	26.16	207Pb/235U	133	178
78210_31	403	335	1.20	0.45198	0.03747	0.06041	0.00224	0.05426	0.00465	0.10	378.66	26.37	26.03	378.12	13.60	13.58	381.95	198.58	187.05	378.12	13.60	13.58	206Pb/238U	122	175
78210_32	222	177	1.25	0.47516	0.04463	0.06380	0.00258	0.05401	0.00520	0.12	394.75	30.95	30.49	398.70	15.66	15.64	371.65	224.36	209.76	398.70	15.66	15.64	206Pb/238U	107	176
78210_33	567	418	1.36	4.83603	0.20516	0.31680	0.01192	0.11071	0.00465	0.37	1791.19	36.01	35.38	1774.08	58.47	58.21	1811.17	77.32	75.36	1791.19	36.01	35.38	207Pb/235U	155	178
78210_34	647	207	3.12	1.86954	0.08211	0.17565	0.00656	0.07719	0.00338	0.35	1070.37	29.26	28.85	1043.18	36.00	35.90	1126.19	88.63	86.15	1070.37	29.26	28.85	207Pb/235U	137	173
78210_35	10	16	0.64	0.81102	0.09510	0.06003	0.00900	0.09798	0.10894	0.01	603.03	576.45	448.48	375.83	54.87	54.64	1586.03	3172.07	1575.11	375.83	54.87	54.64	206Pb/238U	54	178
78210_36	1128	485	2.33	0.37439	0.02019	0.05077	0.00190	0.05348	0.00291	0.27	322.90	14.97	14.86	319.25	11.65	11.64	349.31	125.58	120.88	319.25	11.65	11.64	206Pb/238U	120	178
78210_37	2308	428	5.39	0.16266	0.00987	0.02404	0.00103	0.04907	0.00311	0.24	153.03	8.64	8.61	153.14	6.50	6.49	151.31	151.86	145.12	153.14	6.50	6.49	206Pb/238U	99	177
78210_38	333	125	2.67	0.92279	0.05272	0.10838	0.00419	0.06175	0.00375	0.17	663.83	28.03	27.65	663.33	24.37	24.32	665.56	132.93	127.57	663.33	24.37	24.32	206Pb/238U	105	174
78210_39	1505	545	2.76	0.58124	0.02749	0.07516	0.00282	0.05609	0.00258	0.36	465.26	17.73	17.58	467.16	16.89	16.87	455.88	103.92	100.65	467.16	16.89	16.87	206Pb/238U	144	178
78210_40	18	51	0.35	0.46612	0.43355	0.04475	0.00552	0.07554	0.07080	0.01	388.51	324.92	280.03	282.23	34.10	34.01	1082.85	2165.69	1463.96	282.23	34.10	34.01	206Pb/238U	66	177
78210_41	684	763	0.90	0.50394	0.02903	0.06580	0.00256	0.05555	0.00336	0.20	414.37	19.69	19.51	410.79	15.48	15.46	434.32	137.50	131.85	410.79	15.48	15.46	206Pb/238U	132	176
78210_42	362	339	1.07	0.42534	0.03413	0.05577	0.00248	0.05532	0.00462	0.16	359.86	24.46	24.17	349.84	15.15	15.13	425.02	191.91	181.09	349.84	15.15	15.13	206Pb/238U	109	177
78210_43	3190	1489	2.14	0.36706	0.01653	0.05027	0.00191	0.05295	0.00240	0.33	317.47	12.32	12.24	316.20	11.74	11.73	326.83	104.64	101.36	316.20	11.74	11.73	206Pb/238U	115	177
78210_44	576	662	0.87	0.41519	0.02819	0.05596	0.00216	0.05381	0.00374	0.19	352.60	20.33	20.13	351.02	13.17	13.16	363.01	160.87	153.23	351.02	13.17	13.16	206Pb/238U	123	176
78210_45	1362	1066	1.28	0.57295	0.02733	0.07297	0.00279	0.05695	0.00276	0.30	459.92	17.72	17.56	454.01	16.77	16.75	489.58	108.76	105.18	454.01	16.77	16.75	206Pb/238U	136	178
78210_46	6240	4221	1.48	0.42499	0.01993	0.05432	0.00237	0.05432	0.00236	0.47	359.61	14.25	14.15	355.81	14.45	14.44	384.21	98.99	96.04	359.61	14.25	14.15	207Pb/235U	135	177
78210_47	192	104	1.85	1.47993	0.08359	0.15061	0.00561	0.07127	0.00435	0.13	922.20	34.52	33.94	904.40	31.46	31.38	965.04	127.19	122.19	904.40	31.46	31.38	206Pb/238U	130	178
78210_48	660	982	0.67	0.44224	0.02721	0.05898	0.00233	0.05438	0.00348	0.20	371.83	19.25	19.07	369.44	14.19	14.18	386.73	147.05	140.63	369.44	14.19	14.18	206Pb/238U	124	177
78210_49	2881	3800	0.76	0.31432	0.01596	0.04266	0.00182	0.05344	0.00259	0.42	277.52	12.37	12.29	269.29	11.25	11.24	347.48	111.61	107.88	269.29	11.25	11.24	206Pb/238U	121	176
78210_50	7147	11291	0.63	0.22657	0.01225	0.03046	0.00133	0.05395	0.00272	0.44	207.37	10.17	10.12	193.42	8.33	8.33	368.96	115.59	111.59	193.42	8.33	8.33	206Pb/238U	111	177
78210_51	745	580	1.28	0.78230	0.03982	0.09585	0.00370	0.05920	0.00313	0.25	586.79	22.81	22.56	590.03	21.78	21.74	574.30	117.13	112.97	590.03	21.78	21.74	206Pb/238U	129	177
78210_53	507	380	1.34	1.88643	0.08797	0.17873	0.00678	0.07655	0.00357	0.34	1076.33	31.18	30.71	1060.01	37.11	37.01	1109.54	94.46	91.65	1076.33	31.18	30.71	207Pb/235U	153	176
78210_54	403	461	0.87	3.28177	0.16154	0.24205	0.00918	0.09833	0.00476	0.34	1476.74	38.67	37.95	1397.33	47.74	47.56	1592.78	91.75	89.03	1476.74	38.67	37.95	207Pb/235U	109	176
78210_55	160	33	4.82	0.21654	0.04548	0.02959	0.00160	0.05308	0.01134	0.05	199.03	38.32	37.61	187.95	10.04	10.03	332.38	524.51	451.20	187.95	10.04	10.03	206Pb/238U	97	178
78210_56	1141	492	2.32	14.33745	0.62409	0.51155	0.01999	0.20328	0.00862	0.41	2772.30	41.74	40.90	2863.24	85.55	84.98	2852.68	69.89	68.21	2772.30	41.74	40.90	207Pb/		

78210_95	144	19	7.56	0.22853	0.05208	0.02929	0.00221	0.05658	0.01332	0.06	208.99	43.51	42.59	186.12	13.87	13.86	475.34	567.86	482.22	186.12	13.87	13.86	206Pb/238U	55	170
78210_96	1902	661	2.88	1.33243	0.05860	0.14168	0.00525	0.06821	0.00294	0.37	859.94	25.67	25.35	854.14	29.67	29.61	874.92	90.54	87.99	859.94	25.67	25.35	207Pb/235U	146	175
78210_97	536	225	2.38	5.94125	0.24475	0.34400	0.01212	0.12526	0.00535	0.27	1967.29	36.12	35.49	1905.90	58.26	58.00	2032.49	76.63	74.69	1967.29	36.12	35.49	207Pb/235U	153	173
78210_98	584	239	2.45	0.45950	0.02996	0.05895	0.00234	0.05653	0.00380	0.20	383.91	20.95	20.74	369.24	14.26	14.24	473.33	152.29	145.37	369.24	14.26	14.24	206Pb/238U	113	171
78210_99	688	241	2.85	4.67636	0.20199	0.30797	0.01160	0.11013	0.00482	0.33	1763.02	36.46	35.82	1730.71	57.31	57.05	1801.53	80.72	78.59	1763.02	36.46	35.82	207Pb/235U	143	173
78210_100	3099	3715	0.83	10.79944	0.62424	0.44936	0.02362	0.17430	0.00759	0.67	2506.02	54.44	53.02	2392.39	105.49	104.63	2599.41	73.57	71.73	2506.02	54.44	53.02	207Pb/235U	103	175

Sample 10TM-78D (Apatite to Zircon, Inc. 1245-17); Okpikruak Formation, Picnic Creek allochthon (N68.50125°, W162.29475°)																									
124517az1_1	404	239	1.69	0.45464	0.02044	0.06182	0.00098	0.05334	0.00246	0.07	380.52	14.31	14.21	386.67	5.98	5.97	343.30	106.12	102.75	386.67	5.98	5.97	206Pb/238U	119	175
124517az1_2	257	108	2.39	6.41525	0.13133	0.36699	0.00442	0.12678	0.00264	0.19	2034.36	18.06	17.90	2015.20	20.85	20.81	2053.85	37.01	36.55	2034.36	18.06	17.90	207Pb/235U	146	175
124517az1_3	105	68	1.54	0.50314	0.05088	0.06553	0.00162	0.05568	0.00575	0.02	413.83	34.66	34.08	409.18	9.79	9.79	439.82	238.51	222.01	409.18	9.79	9.79	206Pb/238U	107	175
124517az1_4	97	61	1.58	0.98322	0.07644	0.11563	0.00232	0.06167	0.00490	0.03	695.25	39.52	38.77	705.35	13.43	13.42	662.73	174.87	165.71	705.35	13.43	13.42	206Pb/238U	119	175
124517az1_5	124	321	0.39	5.28163	0.17027	0.33103	0.00611	0.11572	0.00365	0.30	1865.90	27.71	27.34	1843.37	29.63	29.57	1891.09	57.34	56.25	1865.90	27.71	27.34	207Pb/235U	133	175
124517az1_6	298	18	16.48	5.39038	0.14345	0.33740	0.00675	0.11587	0.00306	0.36	1883.33	22.92	22.67	1874.16	32.60	32.52	1893.45	47.84	47.07	1883.33	22.92	22.67	207Pb/235U	108	175
124517az1_7	130	71	1.84	4.89858	0.17030	0.31592	0.00821	0.11246	0.00393	0.35	1802.01	29.53	29.11	1769.77	40.28	40.16	1839.52	64.02	62.67	1802.01	29.53	29.11	207Pb/235U	148	175
124517az1_8	263	104	2.52	5.49457	0.16394	0.34038	0.00821	0.11708	0.00365	0.32	1899.75	25.79	25.47	1888.51	39.52	39.41	1912.05	56.55	55.49	1899.75	25.79	25.47	207Pb/235U	158	175
124517az1_9	125	40	3.11	0.66973	0.04571	0.08259	0.00287	0.05882	0.00405	0.23	520.55	27.99	27.61	511.53	17.07	17.05	560.29	153.76	146.68	511.53	17.07	17.05	206Pb/238U	128	175
124517az1_10	439	357	1.23	1.03493	0.04143	0.11659	0.00412	0.06438	0.00284	0.31	721.39	20.78	20.57	710.93	23.83	23.79	754.06	94.39	91.64	721.39	20.78	20.57	207Pb/235U	159	175
124517az1_11	156	75	2.07	5.51723	0.19840	0.34188	0.01078	0.11704	0.00431	0.40	1903.28	31.15	30.68	1895.71	51.91	51.70	1911.55	66.79	65.31	1903.28	31.15	30.68	207Pb/235U	169	175
124517az1_12	889	708	1.26	0.25218	0.01380	0.03553	0.00128	0.05147	0.00277	0.35	228.34	11.22	11.16	225.08	7.96	7.95	262.03	126.16	121.44	225.08	7.96	7.95	206Pb/238U	116	175
124517az1_14	106	29	3.63	6.24153	0.22715	0.36276	0.01166	0.12479	0.00493	0.33	2010.29	32.10	31.60	1995.26	55.29	55.05	2025.77	70.78	69.12	2010.29	32.10	31.60	207Pb/235U	162	174
124517az1_15	284	264	1.08	0.54880	0.03431	0.07097	0.00233	0.05608	0.00359	0.21	444.21	22.62	22.37	442.03	14.06	14.04	455.53	145.26	138.96	442.03	14.06	14.04	206Pb/238U	124	175
124517az1_16	99	43	2.31	0.44536	0.05675	0.05775	0.00231	0.05593	0.00731	0.07	374.02	40.27	39.48	361.93	14.10	14.09	449.61	304.17	277.82	361.93	14.10	14.09	206Pb/238U	106	175
124517az1_17	593	393	1.51	0.34305	0.03591	0.04590	0.00190	0.05421	0.00579	0.14	299.48	27.34	26.97	289.29	11.73	11.72	379.73	249.53	231.59	289.29	11.73	11.72	206Pb/238U	54	173
124517az1_18	122	59	2.07	0.64376	0.04679	0.08194	0.00276	0.05698	0.00433	0.12	504.63	29.11	28.70	507.68	16.44	16.42	490.87	172.00	163.22	507.68	16.44	16.42	206Pb/238U	94	175
124517az1_19	503	472	1.06	0.74131	0.04340	0.09088	0.00310	0.05916	0.00351	0.26	563.17	25.47	25.15	560.74	18.35	18.33	572.99	131.70	126.47	560.74	18.35	18.33	206Pb/238U	70	175
124517az1_20	164	80	2.06	0.19661	0.03324	0.02697	0.00098	0.05286	0.00906	0.04	182.25	28.40	28.01	171.59	6.15	6.15	322.85	414.59	367.45	171.59	6.15	6.15	206Pb/238U	95	173
124517az1_21	299	293	1.02	0.39088	0.02702	0.05216	0.00131	0.05435	0.00381	0.14	335.01	19.82	19.63	327.75	8.03	8.03	385.70	161.26	153.57	327.75	8.03	8.03	206Pb/238U	119	175
124517az1_22	340	315	1.08	0.55243	0.02968	0.07036	0.00165	0.05694	0.00308	0.19	446.59	19.50	19.32	438.35	9.94	9.93	489.22	121.64	117.19	438.35	9.94	9.93	206Pb/238U	117	175
124517az1_23	63	42	1.49	1.11472	0.11090	0.12085	0.00290	0.06690	0.00673	0.06	760.44	53.96	52.56	735.45	16.67	16.65	834.64	217.10	203.03	735.45	16.67	16.65	206Pb/238U	138	175
124517az1_24	568	275	2.07	0.91103	0.53882	0.08714	0.02875	0.07582	0.04581	0.24	657.60	308.59	267.82	538.62	171.59	169.33	1090.40	1530.15	1019.63	538.62	171.59	169.33	206Pb/238U	1	175
124517az1_25	196	119	1.65	5.31464	0.14619	0.33379	0.00602	0.11548	0.00320	0.28	1871.22	23.64	23.37	1856.71	29.14	29.08	1887.38	50.38	49.53	1871.22	23.64	23.37	207Pb/235U	151	175
124517az1_26	268	101	2.66	0.48579	0.03104	0.06326	0.00127	0.05570	0.00364	0.07	402.04	21.33	21.11	395.40	7.71	7.70	440.35	148.85	142.25	395.40	7.71	7.70	206Pb/238U	89	173
124517az1_27	457	481	0.95	0.54895	0.02767	0.07105	0.00161	0.05604	0.00291	0.14	444.31	18.22	18.06	442.47	9.67	9.67	453.83	117.19	113.06	442.47	9.67	9.67	206Pb/238U	119	175
124517az1_28	149	156	0.96	0.51195	0.03887	0.06813	0.00176	0.05450	0.00427	0.06	419.76	26.27	25.94	424.85	10.61	10.60	391.88	180.77	171.16	424.85	10.61	10.60	206Pb/238U	101	174
124517az1_29	48	21	2.31	0.29962	0.08359	0.04078	0.00171	0.05328	0.01501	0.01	266.10	66.38	64.28	257.68	10.59	10.58	340.91	681.83	581.86	257.68	10.59	10.58	206Pb/238U	118	175
124517az1_30	454	94	4.81	5.56046	0.13051	0.33846	0.00572	0.11915	0.00280	0.32	1910.00	20.30	20.10	1879.28	27.56	27.50	1943.53	42.34	41.74	1910.00	20.30	20.10	207Pb/235U	143	175
124517az1_31	209	205	1.02	12.13139	0.43294	0.18432	0.01460	0.18432	0.00690	0.35	2614.62	33.76	33.20	2515.70	63.88	63.56	2692.14	62.58	61.24	2614.62	33.76	33.20	207Pb/235U	94	175
124517az1_32	357	302	1.18	12.71749	0.24103	0.50337	0.00627	0.18324	0.00344	0.28	2658.96	17.92	17.76	2628.27	26.91	26.85	2682.39	31.23	30.89	2658.96	17.92	17.76	207Pb/235U	140	173
124517az1_33	159	227	0.70	0.38128	0.03712	0.05034	0.00116	0.05494	0.00544	0.04	327.98	27.47	27.11	316.58	7.13	7.13	409.64	229.26	214.00	316.58	7.13	7.13	206Pb/238U	116	175
124517az1_34	619	373	1.66	0.32458	0.01523	0.04542	0.00077	0.05183	0.00250	0.07	285.42	11.71	11.64	286.35	4.74	4.74	277.84	112.50	108.73	286.35	4.74	4.74	206Pb/238U	133	175
124517az1_35	81	28	2.84	0.28748	0.05665	0.04026	0.00158	0.05179	0.01037	0.01	256.57	45.18	44.20	254.44	9.82	9.81	276.06	494.43	428.98	254.44	9.82	9.81	206Pb/238U	91	175
124517az1_36	105	31	3.40	0.39838	0.05246	0.05226	0.00160	0.05528	0.00741	0.03	340.47	38.46	37.74	328.41	9.80	9.79	423.66	313.92	285.97	328.41	9.80	9.79	206Pb/238U	91	172
12																									

124517az1_75	37	32	1.16	3.30458	0.20322	0.25986	0.00605	0.09223	0.00584	0.09	1482.13	48.51	47.38	1489.14	30.98	30.90	1472.12	122.69	117.90	1489.14	30.98	30.90	206Pb/238U	120	174
124517az1_76	137	58	2.35	2.52232	0.10350	0.21759	0.00354	0.08407	0.00356	0.08	1278.49	30.06	29.62	1269.14	18.74	18.71	1294.24	83.57	81.35	1269.14	18.74	18.71	206Pb/238U	138	174
124517az1_77	74	204	0.36	0.30365	0.05695	0.03965	0.00166	0.05554	0.01064	0.01	269.25	44.85	43.88	250.69	10.29	10.28	433.91	457.52	400.41	250.69	10.29	10.28	206Pb/238U	76	171
124517az1_78	246	249	0.99	0.33627	0.03244	0.04669	0.00101	0.05223	0.00512	0.03	294.34	24.80	24.50	294.17	6.25	6.25	295.68	231.93	216.43	294.17	6.25	6.25	206Pb/238U	115	171
124517az1_79	736	210	3.50	1.39328	0.03689	0.14577	0.00203	0.06932	0.00186	0.18	886.09	15.71	15.59	877.18	11.41	11.40	908.39	55.91	54.92	877.18	11.41	11.40	206Pb/238U	134	174
124517az1_80	512	130	3.95	4.95052	0.10456	0.32045	0.00414	0.11205	0.00239	0.22	1810.91	17.92	17.76	1791.91	20.23	20.20	1832.85	38.96	38.46	1810.91	17.92	17.76	207Pb/235U	142	175
124517az1_81	748	744	1.01	9.23017	0.23893	0.42244	0.00771	0.15847	0.00398	0.36	2361.11	23.85	23.58	2271.57	34.97	34.88	2439.37	42.90	42.27	2361.11	23.85	23.58	207Pb/235U	63	172
124517az1_82	99	59	1.68	6.41286	0.18734	0.36698	0.00590	0.12674	0.00381	0.18	2034.03	25.82	25.50	2015.17	27.83	27.77	2053.22	53.52	52.56	2034.03	25.82	25.50	207Pb/235U	121	171
124517az1_83	133	100	1.33	0.40023	0.04553	0.05392	0.00149	0.05384	0.00625	0.02	341.81	33.29	32.75	338.53	9.10	9.10	364.22	273.18	251.84	338.53	9.10	9.10	206Pb/238U	103	170
124517az1_84	106	64	1.66	1.64280	0.08791	0.16314	0.00280	0.07303	0.00399	0.07	986.79	34.06	33.50	974.21	15.51	15.49	1014.89	112.67	108.71	974.21	15.51	15.49	206Pb/238U	133	173
124517az1_85	111	81	1.37	0.44865	0.04441	0.05707	0.00161	0.05702	0.00581	0.03	376.33	31.37	30.89	357.78	9.80	9.79	492.15	232.90	217.09	357.78	9.80	9.79	206Pb/238U	115	172
124517az1_86	320	189	1.70	2.09302	0.06081	0.19445	0.00283	0.07806	0.00237	0.10	1146.52	20.06	19.87	1145.46	15.26	15.24	1148.52	60.84	59.66	1145.46	15.26	15.24	206Pb/238U	127	172
124517az1_87	128	41	3.13	6.44372	0.17148	0.36527	0.00536	0.12795	0.00353	0.16	2038.25	23.53	23.26	2007.09	25.32	25.27	2069.94	48.97	48.17	2038.25	23.53	23.26	207Pb/235U	135	174
124517az1_88	493	233	2.11	0.22098	0.01544	0.03160	0.00067	0.05071	0.00364	0.05	202.73	12.88	12.80	200.58	4.21	4.20	227.78	170.12	161.67	200.58	4.21	4.20	206Pb/238U	114	173
124517az1_89	1573	202	7.81	6.52793	0.23262	0.36725	0.01152	0.12892	0.00289	0.78	2049.67	31.62	31.14	2016.46	54.43	54.20	2083.25	39.71	39.18	2049.67	31.62	31.14	207Pb/235U	84	175
124517az1_90	96	154	0.62	0.31964	0.04795	0.04381	0.00141	0.05291	0.00807	0.03	281.62	37.24	36.57	276.42	8.70	8.69	325.06	366.01	328.77	276.42	8.70	8.69	206Pb/238U	87	170
124517az1_91	253	125	2.02	1.68262	0.05858	0.16760	0.00252	0.07281	0.00257	0.15	1001.98	22.29	22.05	998.87	13.94	13.93	1008.78	72.44	70.79	998.87	13.94	13.93	206Pb/238U	126	172
124517az1_92	613	364	1.69	6.08644	0.13259	0.36053	0.00505	0.12244	0.00270	0.24	1988.31	19.09	18.91	1984.68	23.95	23.90	1992.08	39.50	38.98	1988.31	19.09	18.91	207Pb/235U	138	173
124517az1_93	247	137	1.80	1.43285	0.05670	0.15007	0.00224	0.06925	0.00277	0.12	902.74	23.80	23.53	901.35	12.58	12.56	906.14	83.64	81.46	901.35	12.58	12.56	206Pb/238U	134	175
124517az1_94	123	109	1.13	5.09603	0.15660	0.32708	0.00531	0.11300	0.00356	0.18	1835.44	26.25	25.92	1824.19	25.83	25.77	1848.23	57.46	56.37	1824.19	25.83	25.77	206Pb/238U	132	174
124517az1_95	105	49	2.14	0.19533	0.04098	0.02608	0.00132	0.05433	0.01167	0.02	181.17	35.11	34.52	165.94	8.31	8.30	384.77	522.67	449.62	165.94	8.31	8.30	206Pb/238U	76	175
124517az1_96	191	151	1.26	6.22167	0.14900	0.36474	0.00521	0.12372	0.00302	0.21	2007.50	21.06	20.84	2004.59	24.61	24.56	2010.50	43.64	43.00	2007.50	21.06	20.84	207Pb/235U	156	173
124517az1_97	116	82	1.40	0.44204	0.04405	0.05789	0.00168	0.05538	0.00568	0.04	371.69	31.26	30.78	362.80	10.23	10.22	427.53	237.13	220.83	362.80	10.23	10.22	206Pb/238U	117	174
124517az1_98	202	162	1.25	0.69805	0.04071	0.08525	0.00192	0.05939	0.00360	0.07	537.63	24.49	24.20	527.38	11.42	11.41	581.35	134.32	128.87	527.38	11.42	11.41	206Pb/238U	110	175
124517az1_99	172	71	2.43	1.84852	0.07809	0.17597	0.00321	0.07619	0.00329	0.14	1062.90	28.03	27.65	1044.91	17.60	17.58	1100.02	87.62	85.20	1044.91	17.60	17.58	206Pb/238U	120	173
124517az1_100	681	76	8.91	6.02551	0.12571	0.35551	0.00524	0.12293	0.00268	0.21	1979.54	18.25	18.09	1960.86	24.93	24.88	1999.11	39.04	38.53	1979.54	18.25	18.09	207Pb/235U	137	173
124517az1_101	535	87	6.17	4.80526	0.11088	0.31598	0.00476	0.11029	0.00255	0.27	1785.82	19.49	19.30	1770.08	23.32	23.28	1804.26	42.40	41.81	1785.82	19.49	19.30	207Pb/235U	145	175
124517az1_102	53	43	1.23	2.99610	0.17633	0.24163	0.00496	0.08993	0.00539	0.11	1406.63	45.31	44.32	1395.15	25.76	25.70	1424.07	116.63	112.31	1395.15	25.76	25.70	206Pb/238U	132	171
124517az1_103	210	60	3.48	6.17136	0.15368	0.36372	0.00543	0.12306	0.00312	0.22	2000.40	21.88	21.64	1999.80	25.68	25.63	2001.03	45.38	44.69	2000.40	21.88	21.64	207Pb/235U	143	173
124517az1_104	138	117	1.18	5.15415	0.13795	0.32299	0.00519	0.11573	0.00323	0.18	1845.08	22.89	22.63	1804.34	25.32	25.27	1891.34	50.65	49.80	1845.08	22.89	22.63	207Pb/235U	127	174
124517az1_105	225	142	1.59	12.97995	0.29810	0.51146	0.00757	0.18406	0.00431	0.23	2678.20	21.77	21.54	2662.85	32.35	32.27	2689.81	39.00	38.48	2678.20	21.77	21.54	207Pb/235U	108	175
124517az1_106	158	109	1.44	1.64924	0.07370	0.16654	0.00301	0.07182	0.00331	0.10	989.26	28.45	28.05	993.00	16.64	16.62	980.96	95.23	92.39	993.00	16.64	16.62	206Pb/238U	126	175
124517az1_107	344	160	2.15	1.00624	0.03850	0.11529	0.00213	0.06330	0.00247	0.17	706.97	19.58	19.39	703.42	12.30	12.29	718.26	83.80	81.63	703.42	12.30	12.29	206Pb/238U	106	175
124517az1_108	227	200	1.13	0.57449	0.03758	0.07453	0.00174	0.05590	0.00373	0.10	460.92	24.38	24.09	463.41	10.42	10.41	448.51	151.90	145.03	463.41	10.42	10.41	206Pb/238U	90	174
124517az1_109	504	274	1.84	13.13248	0.26344	0.51229	0.00682	0.18592	0.00381	0.22	2689.22	19.02	18.84	2666.42	29.09	29.02	2706.40	33.98	33.58	2689.22	19.02	18.84	207Pb/235U	138	175
124517az1_110	1045	683	1.53	4.92811	0.10348	0.31929	0.00464	0.11194	0.00243	0.23	1807.08	17.80	17.65	1786.25	22.70	22.66	1831.20	39.59	39.07	1807.08	17.80	17.65	207Pb/235U	118	172

Sample 10TM-82B (Apatite to Zircon, Inc. 1134-12); Okpikruak Formation, Kelly River allochthon (N68.51069°, W161.89486°)

113412_1	765	1162	0.66	0.44017	0.01468	0.05914	0.00105	0.05398	0.00187	0.12	370.37	10.38	10.33	370.41	6.38	6.38	370.15	79.14	77.24	370.41	6.38	6.38	206Pb/238U	133	176
113412_3	728	372	1.96	0.16432	0.00731	0.02378	0.00043	0.05011	0.00233	0.03	154.48	6.38	6.36	151.52	2.70	2.69	200.11	109.70	106.13	151.52	2.70	2.69	206Pb/238U	126	176
113412_4	33	6	5.44	0.19743	0.05073	0.02720	0.00136	0.05265	0.01374	0.01	182.95	43.48	42.57	172.98	8.54	8.54	313.65	627.31	545.05	172.98	8.54	8.54	206Pb/238U	90	176
113412_5	1046	619	1.69	0.22242	0.00737	0.03212	0.00064	0.05023	0.00182	0.06	203.92	6.13	6.12	203.79	3.99	3.99	205.42	85.39	83.21	203.79	3.99	3.99	206Pb/238U	110	176
113412_6	223	85	2.62	0.17252	0.01312	0.02453	0.00064	0.05100	0.00403	0.03	161.60	11.39	11.33	156.25	4.05	4.04	240.80	187.42	177.21	156.25	4.05	4.04	206Pb/238U	89	176
113412_7	308	121	2.55	0.17084	0.01193	0.02432	0.00053	0.05094	0.00366	0.04	160.14	10.37	10.32	154.91	3.34	3.34	238.21	169.89	161.46	154.91	3.34	3.34	206Pb/238U	102	176
113412_8	164	114	1.43	6.18868	0.14358	0.36123	0.00598	0.12425	0.00314	0.12	2002.85	20.38	20.18	1988.02	28.35	28.28	2018.19	45.07	44.39	2002.85	20.38	20.18	207Pb/235U	139	176
113412_9	189	90	2.11	10.31791	0.22000	0.45725	0.00849	0.16366	0.00391	0.19	2463.71	19.83	19.64	2427.40	37.62	37.51	2493.81	40.48	39.92	2463.71	19.83	19.64	207Pb/235U	118	176
113412_10	71	16	4.39	0.18364	0.02988	0.02538	0.00107	0.05248	0.00879	0.01	171.19	25.79	25.47	161.58	6.71	6.70	306.19	405.99	360.73	161.58	6.71	6.70	206Pb/238U	96	176
113412_11	80	40	1.99	0.17822	0.03110	0.02493	0.00098	0.05184	0.00924	0.01	166.53	26.98	26.63	158.76	6.19	6.19	278.49	436.19	384.45	158.76	6.19	6.19	206Pb/238U	112	176
113412_12	104	119	0.87	0.30505	0.03004	0.04085	0.00113	0.05416	0.00547	0.03	270.33	23.50	23.24	258.08	6.99	6.98	377.84	235.73	219.66	258.08	6.99	6.98	206Pb/238U	116	176
113412_13	575	520	1.11	0.32636	0.01142	0.04564	0.00087	0.05186	0.00192	0.10	286.78	8.76	8.72	287.72	5.35	5.35	279.13	85.88	83.66	287.72	5.35	5.35	206Pb/238U	117	176
113412_14	9	1	11.46	1.02549	0.26887	0.10174	0.00565	0.07311	0.01949	0.02	716.67	139.47	130.50	624.58	33.09	33.01	1016.90	592.99	497.59	624.58	33.09	33.01	206Pb/238U	86	176
113412_15	120	68	1.77	5.00487	0.14128	0.32118	0.00571	0.11302	0.00349	0.07	1820.15	24.03	23.75	1795.48	27.88	27.82	1848.50	56.33	55.28	1820.15	24.03	23.75	207Pb/235U	149	176
113412_16	78	82	0.95	4.22215	0.13330	0.29224	0.00547	0.10478	0.00357	0.09	1678.34	26.09	25.75	1652.72	27.32	27.26	1710.51	63.28	61.97	1678.34	26.09	25.75	207Pb/235U	140	176
113412_17	290	72	4.03	0.62898	0.02353	0.08044	0.00154	0.05671	0.00225	0.07	495.46	14.72	14.61	498.77	9.16	9.16	480.20	89.03	86.62	498.77	9.16	9.16	206Pb/238U	121	176
113412_18	1417	74	19.21	0.16664	0.00596	0.02434	0.00051	0.04965	0.00187	0.14	156.50	5.20	5.18	155.03	3.18	3.18	178.80	89.08	86.71	155.03	3.18	3.18	206Pb/238U	116	176
113412_19	1152	553	2.08	0.16992	0.00759	0.02492	0.00054	0.04946	0.00227	0.14	159.35	6.60	6.58	158.66	3.37	3.37	169.72	109.21	105.68	158.66	3.37	3.37	206Pb/238U	115	176
113412_21	391	158	2.47	0.45002	0.01713	0.06087	0.00115	0.05362	0.00213	0.11	377.29	12.03	11.96	380.93	7.01	7.01	354.98	90.80	88.32	380.93	7.01	7.01	206Pb/238U	130	176
113412_22	151	66	2.28	0.60904	0.02739	0.07762	0.00163	0.05690	0.00269	0.07	482.95	17.36	17.21	481.93	9.76	9.75	487.83	106.25	102.84	481.93	9.76	9.75	206Pb/238U	121	176
113412_23	50	39	1.30	5.14027	0.15216	0.32449	0.00692	0.11489	0.00374	0.15	1842.79	25.32	25.01	1811.63	33.70	33.61	1878.15	59.32	58.15	1842.79	25.32	25.01	207Pb/235U	116	176
113412_24	8	2	3.76	0.21955	0.18540	0.02747	0.00291	0.05796	0.04931	0.00	201.53	160.54	148.77	174.71	18.29	18.26	528.29	1056.58	1463.64	174.71	18.29	18.26	206Pb/238U	88	176
113412_25	30	35	0.86	4.59617	0.18875	0.30926	0.00615	0.10779	0.00460	0.11	1748.57	34.54	33.96	1737.05	30.31	30.23	1762.38	78.98	76.94	1737.05	30.31	30.23	206Pb/238U	148	176
113412_26	520	1075	0.48	1.07268	0.02691	0.12039	0.00218	0.06462	0.00180	0.09	740.05	13.23	13.14	732.79	12.55	12.53	762.08	59.43	58.33	732.79	12.55	12.53	206Pb/238U	136	176
113412_27	319	16	20.40	5.52142	0.11657	0.33850	0.00620	0.11830	0.00278	0.19	1903.94	18.23	18.07	1879.45	29.88	29.81	1930.72	42.45	41.85	1903.94	18.23	18.07	207Pb/235U	134	176
113412_28	43	6	7.78	0.17828	0.04237	0.02418	0.00119	0.05347	0.01295	0.01	166.58	36.85	36.19	154.04	7.52	7.51	348.66	599.56	505.54	154.04	7.52	7.51	206Pb/238U	83	176
113412_29	109	21	5.15	0.17533	0.02247	0.02533	0.00083	0.05021	0.00659	0.02	164.04	19.51	19.32	161.24	5.24	5.24	204.57	319.90	291.30	161.24	5.24	5.24	206Pb/238U	92	176
113412_30	103	57	1.79	6.24325	0.15851	0.36119	0.00636	0.12537	0.00340	0.15	2010.53	22.34	22.10	1987.80	30.13	30.06	2033.96	48.40	47.61	2010.53	22.34	22.10	207Pb/235U	123	176
113412_31	35	29	1.20	0.88158	0.32791	0.07459	0.00457	0.08572	0.03223	0.01	641.83	185.14	169.66	463.72	27.42	27.36	1331.98	830.21	651.85	463.72	27.42	27.36	206Pb/238U	46	176
113412_32	449	137	3.28	0.17289	0.01282	0.02499	0.00071	0.05017	0.00383	0.10	161.92	11.13	11.07	159.14	4.49	4.48	202.87	181.96	172.34	159.14	4.49	4.48	206Pb/238U	93	176
113412_33	85	35	2.40	4.88736	0.16805	0.31622	0.00781	0.11210	0.00409	0.23	1800.08	29.19	28.78	1771.22	38.31	38.19	1833.67	66.88	65.41	1800.08	29.19	28.78	207Pb/235U	143	176
113412_34	152	35	4.35	0.17585	0.02014	0.02479	0.00092	0.05145	0.00611	0.03	164.48	17.47	17.32	157.84	5.76	5.76	261.26	284.91	261.92	157.84	5.76	5.76	206Pb/238U	81	176
113412_35	205	189	1.09	0.32957	0.01899	0.04538	0.00109	0.05267	0.00318	0.06	289.24	14.55	14.45	286.10	6.74	6.73	314.63	140.18	134.36	286.10	6.74	6.73	206Pb/238U	114	176
113412_36	134	101	1.32	0.43034	0.03093	0.05717	0.00146	0.05459	0.00405	0.06	363.42	22.08	21.84	358.42	8.91	8.90	395.46	170.82	162.21	358.42	8.91	8.90	206Pb/238U	118	176
113412_37	619	258	2.40	0.58023	0.01679	0.07454	0.00150	0.05645	0.00179	0.13	464.61	10.82	10.76	463.48	9.03	9.02	470.19	71.03	69.49	463.48	9.03	9.02	206Pb/238U	132	176
113412_38	75	29	2.61	4.29901	0.15144	0.29388	0.00623	0.10610	0.00395	0.15	1693.17	29.23	28.81	1660.89	31.07	31.00	1733.37	69.04	67.48	1693.17	29.23	28.81	207Pb/235U	125	176
113412_39	20	2	8.73	0.20339	0.08248	0.02692	0.00199	0.05480	0.02256	0.01	187.99	70.81	68.43	171.24	12.51	12.50	404.00	808.00	809.70	171.24	12.51	12.50	206Pb/238U	92	170
113412_40	111	19	5.81	0.76159	0.03788	0.09402	0.00210	0.05875	0.00305	0.08	574.92	21.95	21.72	579.28	12.36	12.35	557.74	115.31	111.28	579.28	12.36	12.35	206Pb/238U	121	176
113412_41	17	3	6.18	0.20557	0.09077	0.02544	0.00206	0.05861	0.02626	0.01	189.83	77.92	75.05	161.93	12.94	12.93	552.74	1105.48	851.92	161.93	12.94	12.93	206Pb/238U	80	176
113412_42	23	21	1.12	6.19772	0.24775	0.36005	0.00863	0.12484	0.00542	0.11	2004.13	35.25	34.65	1982.40	40.99	40.86	2026.60	77.86	75.85	2004.13	35.25	34.65	207Pb/235U	130	176
113412_43	96	37	2.60	11.73703	0.34698	0.48236	0.01037	0.17647	0.00567	0.18	2583.66	27.85	27.47	2537.56	45.18	45.03	2620.01	53.94	52.95	2583.66	27.85	27.47	207Pb/235U	102	176
113412_44	364	297	1.23	0.49010	0.01913	0.06532	0.00141	0.05442	0.00226	0.11	404.98	13.08	13.00	407.90	8.53	8.52	388.32	94.45	91.76	407.90	8.53	8.52	206Pb/238U	105	176

113412_46	743	47	15.95	5.77403	0.12776	0.34514	0.00656	0.12133	0.00283	0.27	1942.53	19.24	19.06	1911.34	31.47	31.39	1975.94	41.89	41.31	1942.53	19.24	19.06	207Pb/235U	147	173
113412_47	111	22	5.14	0.17265	0.02339	0.02498	0.00087	0.05013	0.00696	0.02	161.72	20.36	20.15	159.05	5.48	5.48	201.01	339.44	307.42	159.05	5.48	5.48	206Pb/238U	97	174
113412_48	68	30	2.26	1.13670	0.07180	0.12691	0.00290	0.06496	0.00419	0.09	770.94	34.41	33.84	770.24	16.60	16.58	772.97	138.78	132.91	770.24	16.60	16.58	206Pb/238U	127	173
113412_49	170	29	5.79	0.16974	0.01643	0.02466	0.00080	0.04993	0.00501	0.04	159.19	14.31	14.21	157.02	5.01	5.01	191.64	241.98	225.27	157.02	5.01	5.01	206Pb/238U	85	171
113412_50	119	60	2.00	1.35485	0.05590	0.14548	0.00282	0.06755	0.00290	0.09	869.65	24.25	23.96	875.56	15.89	15.87	854.65	90.39	87.85	875.56	15.89	15.87	206Pb/238U	154	176
113412_51	175	98	1.78	0.37638	0.02405	0.05226	0.00130	0.05224	0.00345	0.08	324.37	17.82	17.66	328.37	7.99	7.99	295.78	154.21	147.20	328.37	7.99	7.99	206Pb/238U	105	173
113412_52	27	12	2.25	0.19287	0.06160	0.02511	0.00139	0.05571	0.01801	0.01	179.08	53.12	51.77	159.88	8.77	8.76	440.66	813.66	648.73	159.88	8.77	8.76	206Pb/238U	80	172
113412_53	206	150	1.37	0.38472	0.02258	0.05210	0.00109	0.05355	0.00322	0.07	330.51	16.62	16.49	327.42	6.69	6.68	352.29	138.97	133.24	327.42	6.69	6.68	206Pb/238U	114	175
113412_54	59	8	7.35	0.18066	0.02706	0.02463	0.00108	0.05319	0.00824	0.02	168.63	23.41	23.14	156.86	6.77	6.77	337.03	371.34	333.04	156.86	6.77	6.77	206Pb/238U	97	173
113412_55	215	7	30.68	0.26497	0.01903	0.03681	0.00097	0.05221	0.00392	0.03	238.67	15.34	15.22	233.04	6.03	6.03	294.42	176.04	166.97	233.04	6.03	6.03	206Pb/238U	92	175
113412_56	265	309	0.86	0.40937	0.05113	0.04908	0.00322	0.06049	0.00794	0.16	348.42	37.17	36.50	308.89	19.82	19.79	621.16	296.72	271.33	308.89	19.82	19.79	206Pb/238U	42	176
113412_57	118	60	1.98	0.61744	0.03724	0.07698	0.00176	0.05817	0.00363	0.06	488.24	23.51	23.24	478.07	10.52	10.51	536.26	139.44	133.60	478.07	10.52	10.51	206Pb/238U	103	176
113412_58	69	95	0.72	0.49775	0.04254	0.06456	0.00172	0.05592	0.00491	0.04	410.18	29.04	28.63	403.31	10.40	10.39	449.00	201.30	189.41	403.31	10.40	10.39	206Pb/238U	118	173
113412_59	32	5	6.96	0.18974	0.05188	0.02521	0.00169	0.05459	0.01533	0.01	176.41	44.77	43.80	160.47	10.66	10.65	395.67	700.02	574.75	160.47	10.66	10.65	206Pb/238U	68	172
113412_60	210	87	2.40	0.57464	0.02601	0.07429	0.00158	0.05610	0.00264	0.10	461.01	16.84	16.71	461.98	9.49	9.48	456.18	106.18	102.77	461.98	9.49	9.48	206Pb/238U	136	174
113412_61	51	8	6.16	0.18695	0.03541	0.02490	0.00128	0.05447	0.01064	0.01	174.03	30.52	30.07	158.52	8.05	8.05	390.33	471.35	411.11	158.52	8.05	8.05	206Pb/238U	80	172
113412_62	160	69	2.32	0.17348	0.01798	0.02433	0.00066	0.05172	0.00547	0.04	162.44	15.62	15.50	154.94	4.15	4.15	273.17	251.71	233.59	154.94	4.15	4.15	206Pb/238U	97	173
113412_63	83	63	1.32	4.86610	0.14886	0.31560	0.00612	0.11183	0.00363	0.14	1796.41	25.93	25.61	1768.19	30.04	29.97	1829.33	59.41	58.24	1796.41	25.93	25.61	207Pb/235U	143	173
113412_64	317	80	3.98	0.57524	0.02087	0.07371	0.00143	0.05660	0.00216	0.10	461.40	13.50	13.41	458.44	8.61	8.60	476.14	85.66	83.43	458.44	8.61	8.60	206Pb/238U	123	176
113412_65	726	435	1.67	1.77307	0.04093	0.17423	0.00334	0.07381	0.00195	0.10	1035.65	15.04	14.93	1035.39	18.34	18.32	1036.19	53.84	52.92	1035.65	15.04	14.93	207Pb/235U	146	174
113412_66	60	7	8.41	0.18306	0.03049	0.02569	0.00119	0.05168	0.00887	0.02	170.69	26.34	26.00	163.53	7.46	7.45	271.08	419.60	371.53	163.53	7.46	7.45	206Pb/238U	80	173
113412_67	145	85	1.70	0.62192	0.03167	0.07783	0.00192	0.05795	0.00313	0.08	491.05	19.92	19.73	483.18	11.51	11.50	527.94	120.58	116.19	483.18	11.51	11.50	206Pb/238U	96	175
113412_68	383	87	4.41	5.31318	0.11525	0.32912	0.00574	0.11708	0.00272	0.19	1870.98	18.62	18.45	1834.12	27.87	27.81	1912.18	42.01	41.42	1870.98	18.62	18.45	207Pb/235U	147	175
113412_69	517	302	1.71	0.41897	0.01578	0.05758	0.00119	0.05278	0.00210	0.11	355.32	11.32	11.26	360.86	7.28	7.28	319.24	91.61	89.08	360.86	7.28	7.28	206Pb/238U	104	176
113412_70	114	37	3.07	0.28115	0.02902	0.03806	0.00117	0.05357	0.00569	0.03	251.57	23.13	22.87	240.82	7.29	7.28	353.00	249.50	231.60	240.82	7.29	7.28	206Pb/238U	86	176
113412_71	85	17	4.96	0.17438	0.02176	0.02475	0.00085	0.05111	0.00656	0.02	163.21	18.90	18.73	157.59	5.33	5.32	245.58	309.99	283.00	157.59	5.33	5.32	206Pb/238U	110	176
113412_72	98	26	3.75	0.59733	0.04097	0.07587	0.00170	0.05710	0.00403	0.04	475.54	26.21	25.88	471.40	10.18	10.17	495.56	159.38	151.81	471.40	10.18	10.17	206Pb/238U	136	176
113412_73	113	109	1.03	0.55418	0.03342	0.07177	0.00171	0.05600	0.00352	0.05	447.73	21.95	21.72	446.81	10.30	10.29	452.48	142.57	136.50	446.81	10.30	10.29	206Pb/238U	115	174
113412_74	57	6	9.03	0.18881	0.03415	0.02600	0.00119	0.05267	0.00977	0.02	175.61	29.38	28.96	165.47	7.46	7.45	314.44	452.04	396.59	165.47	7.46	7.45	206Pb/238U	82	172
113412_75	93	81	1.14	1.13601	0.05295	0.12615	0.00308	0.06531	0.00326	0.08	770.62	25.33	25.02	765.89	17.62	17.59	784.35	106.55	103.06	765.89	17.62	17.59	206Pb/238U	107	174
113412_76	323	182	1.77	0.70383	0.02268	0.08648	0.00170	0.05902	0.00201	0.13	541.08	13.56	13.47	534.71	10.08	10.07	567.99	75.15	73.42	534.71	10.08	10.07	206Pb/238U	120	175
113412_77	132	104	1.27	1.39007	0.05789	0.14444	0.00325	0.06980	0.00310	0.08	884.73	24.75	24.45	869.70	18.32	18.29	922.50	92.67	89.99	869.70	18.32	18.29	206Pb/238U	133	174
113412_78	80	39	2.05	0.18915	0.02689	0.02598	0.00096	0.05280	0.00771	0.02	175.91	23.09	22.83	165.34	6.06	6.05	320.42	349.90	315.73	165.34	6.06	6.05	206Pb/238U	96	173
113412_79	97	28	3.47	6.28949	0.17328	0.36369	0.00723	0.12543	0.00368	0.18	2016.99	24.28	23.99	1999.64	34.25	34.15	2034.81	52.41	51.49	2016.99	24.28	23.99	207Pb/235U	150	174
113412_80	213	39	5.48	0.17224	0.01354	0.02491	0.00073	0.05016	0.00411	0.05	161.36	11.76	11.69	158.59	4.59	4.58	202.24	195.91	184.81	158.59	4.59	4.58	206Pb/238U	99	174
113412_81	229	135	1.69	4.92645	0.12030	0.31911	0.00678	0.11197	0.00304	0.20	1806.80	20.72	20.51	1785.39	33.20	33.11	1831.59	49.65	48.83	1806.80	20.72	20.51	207Pb/235U	139	174
113412_82	243	167	1.46	0.30304	0.01999	0.04136	0.00096	0.05313	0.00359	0.07	268.77	15.64	15.52	261.28	5.97	5.97	334.56	156.95	149.68	261.28	5.97	5.97	206Pb/238U	95	175
113412_83	59	27	2.23	0.28173	0.03669	0.03785	0.00142	0.05398	0.00724	0.03	252.03	29.28	28.86	239.50	8.81	8.80	370.36	317.20	288.78	239.50	8.81	8.80	206Pb/238U	88	175
113412_84	583	340	1.72	0.61145	0.01928	0.07769	0.00181	0.05708	0.00200	0.14	484.47	12.18	12.11	482.33	10.83	10.82	494.65	78.00	76.15	482.33	10.83	10.82	206Pb/238U	121	173
113412_86	38	20	1.90	0.41316	0.05982	0.05298	0.00192	0.05657	0.00835	0.03	351.15	43.44	42.53	332.76	11.76	11.75	474.63	344.49	311.02	332.76	11.76	11.75	206Pb/238U	100	175
113412_87	760	419	1.81	0.38013	0.01312	0.05192	0.00107	0.05310	0.00195	0.11	327.14	9.68	9.63	326.32	6.54	6.53	332.92	84.49	82.34	326.32	6.54	6.53	206Pb/238U	118	174
113412_88	189	113	1.68	0.39275	0.02298	0.05218	0.00114	0.05459	0.00325	0.10	336.37	16.82	16.68	327.91	6.98	6.98	395.32	136.42	130.87	327.91	6.98	6.98	206Pb/238U	125	176
113412_89	417	181	2.30	0.68013	0.02376	0.08547	0.00174	0.05771	0.00210	0.15	526.85	14.41	14.31	528.68	10.32	10.31	518.93	80.80	78.80	528.68	10.32	10.31	206Pb/238U	111	174
113412_90	171	182	0.94	9.62434	0.58884	0.41534	0.02059	0.16806	0.01127	0.27	2399.50	57.07	55.51	2239.29	94.13	93.45	2538.42	114.72	110.32	2399.50	57.07	55.51	207Pb/235U	18	176
113412_91	22	11	2.06	6.42032	0.27899	0.36192	0.00916	0.12866	0.00597	0.12															

66310_20	513	268	1.91	0.45653	0.01837	0.06103	0.00196	0.05426	0.00226	0.29	381.84	12.85	12.76	381.86	11.90	11.89	381.76	95.10	92.37	381.86	11.90	11.89	206Pb/238U	140	178
66310_21	121	19	6.27	0.18865	0.02195	0.02614	0.00102	0.05235	0.00614	0.13	175.48	18.83	18.66	166.32	6.44	6.43	300.75	279.11	256.96	166.32	6.44	6.43	206Pb/238U	104	175
66310_22	297	137	2.17	0.37155	0.01920	0.05136	0.00185	0.05247	0.00274	0.29	320.80	14.26	14.16	322.88	11.32	11.31	305.78	121.44	117.05	322.88	11.32	11.31	206Pb/238U	123	174
66310_23	34	5	7.29	0.18625	0.04418	0.02470	0.00146	0.05470	0.01318	0.05	173.42	38.17	37.47	157.26	9.18	9.17	399.90	590.67	498.95	157.26	9.18	9.17	206Pb/238U	87	174
66310_24	130	50	2.57	6.87030	0.25784	0.37676	0.01235	0.13226	0.00512	0.33	2094.83	33.54	32.99	2061.12	57.98	57.72	2128.12	68.59	67.02	2094.83	33.54	32.99	207Pb/235U	134	177
66310_25	70	42	1.67	1.34193	0.07488	0.14385	0.00493	0.06766	0.00385	0.23	864.07	32.73	32.21	866.40	27.79	27.73	858.09	120.46	115.99	866.40	27.79	27.73	206Pb/238U	128	173
66310_26	109	125	0.87	5.17951	0.23760	0.32865	0.01089	0.11430	0.00561	0.20	1849.26	39.42	38.67	1831.82	52.96	52.74	1868.93	89.82	87.18	1849.26	39.42	38.67	207Pb/235U	116	171
66310_27	50	31	1.63	1.13230	0.07467	0.12959	0.00457	0.06337	0.00426	0.20	768.85	35.87	35.25	785.53	26.08	26.03	720.67	145.96	139.50	785.53	26.08	26.03	206Pb/238U	140	177
66310_28	758	366	2.07	0.62185	0.02028	0.07958	0.00243	0.05667	0.00203	0.26	491.00	12.73	12.66	493.61	14.55	14.53	478.87	80.33	78.36	491.00	12.73	12.66	207Pb/235U	146	175
66310_29	631	328	1.92	0.30172	0.01442	0.04091	0.00154	0.05350	0.00279	0.22	267.74	11.28	11.22	258.44	9.53	9.52	349.89	120.18	115.87	258.44	9.53	9.52	206Pb/238U	137	177
66310_30	78	79	0.99	5.28780	0.23001	0.33747	0.01223	0.11364	0.00492	0.38	1866.90	37.49	36.81	1874.47	59.11	58.84	1858.47	79.32	77.25	1866.90	37.49	36.81	207Pb/235U	129	178
66310_31	370	108	3.43	0.17377	0.01244	0.02483	0.00104	0.05076	0.00368	0.25	162.69	10.79	10.74	158.09	6.55	6.55	230.13	171.67	163.06	158.09	6.55	6.55	206Pb/238U	90	178
66310_32	758	365	2.08	0.62158	0.02023	0.07961	0.00243	0.05663	0.00203	0.26	490.84	12.71	12.63	493.78	14.50	14.48	477.13	80.13	78.17	490.84	12.71	12.63	207Pb/235U	147	175
66310_33	103	24	4.23	0.16976	0.02088	0.02384	0.00120	0.05163	0.00656	0.11	159.21	18.21	18.04	151.91	7.53	7.52	269.26	305.02	278.81	151.91	7.53	7.52	206Pb/238U	84	175
66310_34	103	24	4.23	0.17003	0.02089	0.02385	0.00120	0.05171	0.00656	0.11	159.45	18.21	18.05	151.94	7.53	7.53	272.52	304.43	278.31	151.94	7.53	7.53	206Pb/238U	84	175
66310_35	256	189	1.36	0.38469	0.02004	0.05211	0.00172	0.05354	0.00289	0.21	330.48	14.75	14.64	327.49	10.56	10.55	351.60	124.41	119.79	327.49	10.56	10.55	206Pb/238U	132	174
66310_36	369	107	3.44	0.17415	0.01243	0.02487	0.00104	0.05079	0.00366	0.25	163.01	10.77	10.72	158.36	6.54	6.54	231.15	170.95	162.41	158.36	6.54	6.54	206Pb/238U	91	178
66310_37	420	214	1.96	0.44820	0.02268	0.05944	0.00204	0.05469	0.00279	0.28	376.02	15.97	15.84	372.21	12.43	12.42	399.50	116.51	112.44	372.21	12.43	12.42	206Pb/238U	126	178
66310_38	257	190	1.36	0.38456	0.01998	0.05211	0.00172	0.05353	0.00288	0.21	330.39	14.70	14.60	327.45	10.52	10.51	351.16	124.06	119.47	327.45	10.52	10.51	206Pb/238U	132	174
66310_39	297	546	0.54	0.65493	0.02771	0.08143	0.00277	0.05834	0.00259	0.28	511.51	17.07	16.93	504.63	16.55	16.53	542.37	98.54	95.59	504.63	16.55	16.53	206Pb/238U	137	174
66310_40	421	335	1.26	0.43648	0.01925	0.05899	0.00200	0.05366	0.00242	0.30	367.77	13.65	13.56	369.49	12.16	12.15	356.92	103.55	100.33	369.49	12.16	12.15	206Pb/238U	128	175
66310_41	621	148	4.20	0.16932	0.00964	0.02482	0.00111	0.04948	0.00294	0.31	158.83	8.38	8.35	158.04	7.00	6.99	170.54	141.82	135.92	158.04	7.00	6.99	206Pb/238U	96	175
66310_42	239	118	2.02	0.41818	0.02201	0.05611	0.00196	0.05405	0.00291	0.26	354.75	15.82	15.70	351.94	11.98	11.97	373.18	123.42	118.87	351.94	11.98	11.97	206Pb/238U	124	176
66310_43	71	54	1.31	1.54720	0.08463	0.15602	0.00562	0.07192	0.00414	0.21	949.38	34.02	33.46	934.61	31.40	31.32	983.77	119.35	114.93	934.61	31.40	31.32	206Pb/238U	129	176
66310_44	3502	67	52.26	0.30959	0.02114	0.04086	0.00241	0.05496	0.00355	0.48	273.86	16.46	16.33	258.14	14.96	14.95	410.49	147.65	141.17	258.14	14.96	14.95	206Pb/238U	35	175
66310_45	257	189	1.36	0.38498	0.01997	0.05214	0.00172	0.05356	0.00288	0.21	330.70	14.69	14.59	327.62	10.51	10.50	352.40	123.83	119.26	327.62	10.51	10.50	206Pb/238U	133	174
66310_46	139	49	2.83	0.42592	0.03303	0.05656	0.00213	0.05462	0.00426	0.21	360.28	23.65	23.38	354.66	12.99	12.98	396.60	179.61	170.12	354.66	12.99	12.98	206Pb/238U	99	178
66310_47	137	96	1.42	0.37416	0.02603	0.05035	0.00185	0.05390	0.00384	0.19	322.73	19.33	19.14	316.67	11.37	11.36	366.73	164.70	156.70	316.67	11.37	11.36	206Pb/238U	130	175
66310_48	78	79	0.99	5.30775	0.22989	0.33809	0.01219	0.11386	0.00491	0.38	1870.11	37.35	36.67	1877.49	58.86	58.60	1861.92	78.89	76.85	1870.11	37.35	36.67	207Pb/235U	130	178
66310_49	222	157	1.42	1.17295	0.04804	0.12815	0.00446	0.06638	0.00262	0.42	788.03	22.57	22.32	777.30	25.54	25.49	818.50	83.63	81.45	788.03	22.57	22.32	207Pb/235U	140	176
66310_50	723	377	1.92	0.39194	0.01581	0.05283	0.00172	0.05381	0.00219	0.34	335.78	11.56	11.50	331.88	10.54	10.53	362.94	93.02	90.41	331.88	10.54	10.53	206Pb/238U	140	176
66310_51	224	111	2.02	0.38151	0.02200	0.05226	0.00190	0.05295	0.00311	0.25	328.15	16.23	16.10	328.37	11.66	11.65	326.58	136.35	130.83	328.37	11.66	11.65	206Pb/238U	121	176
66310_52	619	174	3.56	0.17422	0.00867	0.02515	0.00091	0.05023	0.00262	0.25	163.07	7.52	7.49	160.14	5.71	5.71	205.78	123.10	118.62	160.14	5.71	5.71	206Pb/238U	130	175
66310_53	54	57	0.94	5.16034	0.21869	0.33311	0.01248	0.11235	0.00492	0.36	1846.10	36.37	35.73	1853.44	60.49	60.21	1837.84	80.35	78.23	1846.10	36.37	35.73	207Pb/235U	154	175
66310_54	219	121	1.81	2.28452	0.09120	0.20569	0.00783	0.08055	0.00342	0.36	1207.52	28.39	28.00	1205.81	41.93	41.79	1210.57	84.79	82.50	1207.52	28.39	28.00	207Pb/235U	150	176
66310_55	368	288	1.28	0.73994	0.03671	0.09167	0.00362	0.05854	0.00305	0.29	562.37	21.54	21.31	565.40	21.39	21.35	550.15	115.96	111.89	565.40	21.39	21.35	206Pb/238U	148	175
66310_56	54	57	0.94	5.15493	0.21910	0.33293	0.01250	0.11230	0.00493	0.36	1845.21	36.47	35.83	1852.56	60.58	60.30	1836.93	80.58	78.45	1845.21	36.47	35.83	207Pb/235U	153	175
66310_57	368	288	1.28	0.73997	0.03672	0.09171	0.00362	0.05852	0.00305	0.29	562.39	21.54	21.31	565.65	21.39	21.35	549.20	115.98	111.90	565.65	21.39	21.35	206Pb/238U	148	175
66310_58	44	11	3.91	8.91563	0.33446	0.42892	0.01405	0.15075	0.00565	0.38	2329.40	34.54	33.96	2300.87	63.52	63.21	2354.50	64.70	63.28	2329.40	34.54	33.96	207Pb/235U	139	177
66310_59	152	21	7.36	0.17706	0.01894	0.02550	0.00105	0.05035	0.00545	0.14	165.53	16.41	16.28	162.35	6.63	6.62	211.19	261.25	241.85	162.35	6.63	6.62	206Pb/238U	97	177
66310_60	96	77	1.25	5.18454	0.28455	0.31916	0.01668	0.11782	0.00679	0.40	1850.08	47.26	46.19	1785.60	81.79	81.27	1923.37	105.15	101.54	1850.08	47.26	46.19	207Pb/235U	159	178
66310_61	177	92	1.93	0.31990	0.01923	0.04527	0.00178	0.05126	0.00314	0.27	281.83	14.85	14.74	285.39	11.00	10.99	252.35	143.94	137.84	285.39	11.00	10.99	206Pb/238U	111	177
66310_62	228	44	5.23	0.18029	0.01417	0.02585	0.00095	0.05058	0.00407	0.15	168.31	12.22	12.15	164.53	6.00	6.00	221.76	191.79	181.12	164.53	6.00	6.00	206Pb/238U	108	176
66310_63	235	105	2.23	0.47370	0.03038	0.06273	0.00300	0.05477	0.00350	0.36	393.74	21.04	20.82	392.22	18.21	18.18	402.69	146.59	140.20	392.22	18.21	18.18	206Pb/238U	126	178
66310_64	96	77	1.25	5.18892	0.28473	0.31945	0.016																		

Sample 03CP-25 (Apatite to Zircon, Inc., 526-09); Okpikruak Formation, Ipnarik River allochthon (N68.33881°, W161.60581°)																										
5269A1	592	661	0.90	0.35160	0.02139	0.04856	0.00114	0.05252	0.00325	0.06	305.92	16.13	16.01	305.66	7.03	7.03	307.91	144.17	138.02	305.66	7.03	7.03	206Pb/238U	111	164	
5269A2	684	449	1.52	0.53729	0.02396	0.07080	0.00162	0.05504	0.00251	0.08	436.63	15.89	15.76	440.97	9.78	9.77	413.81	103.73	100.49	440.97	9.78	9.77	206Pb/238U	123	163	
5269A3	870	267	3.25	1.16900	0.04395	0.12659	0.00279	0.06698	0.00245	0.23	786.18	20.68	20.47	768.36	15.99	15.97	837.07	77.27	75.41	768.36	15.99	15.97	206Pb/238U	129	161	
5269A4	717	1453	0.49	0.38793	0.02272	0.05214	0.00127	0.05396	0.00321	0.09	332.86	16.69	16.55	327.65	7.76	7.75	369.43	136.75	131.19	327.65	7.76	7.75	206Pb/238U	103	161	
5269A5	890	612	1.45	0.37554	0.01918	0.05136	0.00115	0.05303	0.00275	0.07	323.75	14.21	14.11	322.85	7.07	7.07	330.27	119.83	115.55	322.85	7.07	7.07	206Pb/238U	103	162	
5269A6	2049	2200	0.93	0.36782	0.01377	0.04925	0.00107	0.05416	0.00198	0.21	318.03	10.25	10.20	309.93	6.59	6.59	377.82	83.51	81.40	309.93	6.59	6.59	206Pb/238U	125	161	
5269A7	367	269	1.37	0.48148	0.03567	0.06349	0.00159	0.05500	0.00416	0.03	399.09	24.60	24.30	396.84	9.65	9.64	412.12	173.90	164.98	396.84	9.65	9.64	206Pb/238U	108	161	
5269A8	618	392	1.58	0.36364	0.03311	0.04746	0.00124	0.05557	0.00514	0.04	314.93	24.80	24.50	298.93	7.60	7.60	435.08	212.69	199.47	298.93	7.60	7.60	206Pb/238U	76	177	
5269A9	470	267	1.76	1.09547	0.04240	0.12198	0.00271	0.06513	0.00257	0.09	751.16	20.65	20.44	741.97	15.59	15.57	778.62	84.18	81.98	741.97	15.59	15.57	206Pb/238U	110	161	
5269A10	591	519	1.14	4.27772	0.13094	0.28668	0.00643	0.10822	0.00317	0.30	1689.08	25.35	25.04	1624.93	32.24	32.16	1769.68	53.96	53.00	1689.08	25.35	25.04	207Pb/235U	98	161	
5269A11	393	362	1.08	0.72520	0.03953	0.08902	0.00211	0.05909	0.00329	0.06	553.73	23.40	23.13	549.73	12.48	12.47	570.23	123.70	119.07	549.73	12.48	12.47	206Pb/238U	100	160	
5269A12	356	180	1.98	0.50084	0.04507	0.06612	0.00209	0.05494	0.00501	0.10	412.27	30.73	30.27	412.73	12.62	12.61	409.72	210.65	197.70	412.73	12.62	12.61	206Pb/238U	84	160	
5269A13	1042	435	2.39	0.34094	0.01756	0.04710	0.00113	0.05250	0.00277	0.07	297.88	13.34	13.26	296.67	6.96	6.95	307.43	122.54	118.07	296.67	6.96	6.95	206Pb/238U	110	160	
5269A14	3612	1091	3.31	1.72461	0.43954	0.12646	0.02585	0.09891	0.02789	0.22	1017.74	170.79	157.53	767.61	148.77	147.08	1603.72	577.89	484.47	1017.74	170.79	157.53	207Pb/235U	1	162	
5269A15	1840	872	2.11	0.32384	0.01220	0.04427	0.00099	0.05305	0.00199	0.17	284.85	9.38	9.34	279.27	6.12	6.12	330.90	86.06	83.82	279.27	6.12	6.12	206Pb/238U	115	161	
5269A16	553	334	1.66	0.56409	0.03109	0.07242	0.00175	0.05650	0.00320	0.05	454.19	20.28	20.08	450.69	10.52	10.51	471.90	127.89	122.97	450.69	10.52	10.51	206Pb/238U	101	161	
5269A17	714	375	1.90	0.35059	0.02296	0.04826	0.00106	0.05269	0.00350	0.03	305.17	17.34	17.19	303.84	6.55	6.54	315.34	154.74	147.68	303.84	6.55	6.54	206Pb/238U	110	160	
5269A18	554	298	1.86	0.96185	0.04412	0.11213	0.00267	0.06222	0.00286	0.15	684.25	22.97	22.71	685.08	15.48	15.46	681.52	99.78	96.73	685.08	15.48	15.46	206Pb/238U	127	162	
5269A19	1577	1796	0.88	0.33531	0.01422	0.04483	0.00100	0.05425	0.00228	0.17	293.62	10.84	10.78	282.69	6.18	6.18	381.47	95.84	93.07	282.69	6.18	6.18	206Pb/238U	128	162	
5269A20	1519	1796	0.85	0.33193	0.01585	0.04552	0.00110	0.05288	0.00251	0.17	291.04	12.12	12.05	286.98	6.78	6.78	323.74	109.64	106.04	286.98	6.78	6.78	206Pb/238U	117	161	
5269A21	558	335	1.66	0.40291	0.03450	0.05161	0.00150	0.05662	0.00496	0.05	343.76	25.12	24.82	324.42	9.21	9.21	476.60	199.76	188.03	324.42	9.21	9.21	206Pb/238U	65	177	
5269A22	815	529	1.54	0.36505	0.01963	0.05020	0.00122	0.05274	0.00290	0.07	315.98	14.65	14.55	315.74	7.48	7.47	317.77	127.41	122.58	315.74	7.48	7.47	206Pb/238U	104	161	
5269A23	319	25	12.54	4.59051	0.16755	0.30047	0.00769	0.11080	0.00392	0.29	1747.55	30.66	30.21	1693.66	38.20	38.08	1812.63	64.96	63.57	1747.55	30.66	30.21	207Pb/235U	106	141	
5269A24	764	524	1.46	0.34813	0.01972	0.04828	0.00121	0.05230	0.00304	0.06	303.31	14.91	14.80	303.94	7.46	7.45	298.44	135.35	129.92	303.94	7.46	7.45	206Pb/238U	110	160	
5269A25	246	362	0.68	0.62148	0.04453	0.07843	0.00220	0.05747	0.00423	0.06	490.78	28.08	27.70	486.72	13.17	13.15	509.74	166.15	157.94	486.72	13.17	13.15	206Pb/238U	97	160	
5269A26	2540	2043	1.24	0.33997	0.01275	0.04607	0.00114	0.05352	0.00194	0.27	297.15	9.68	9.64	290.33	7.05	7.04	351.08	83.18	81.09	290.33	7.05	7.04	206Pb/238U	120	162	
5269A27	1094	335	3.27	0.37247	0.01659	0.05010	0.00140	0.05392	0.00252	0.12	321.48	12.31	12.24	315.13	8.63	8.62	367.74	107.02	103.58	315.13	8.63	8.62	206Pb/238U	121	161	
5269A28	218	198	1.10	0.52255	0.05044	0.06585	0.00241	0.05755	0.00567	0.10	426.85	33.92	33.36	411.13	14.56	14.54	512.63	224.14	209.44	411.13	14.56	14.54	206Pb/238U	111	165	
5269A29	1075	816	1.32	0.51276	0.02365	0.06684	0.00210	0.05564	0.00255	0.28	420.30	15.93	15.81	417.10	12.68	12.67	437.93	103.60	100.36	417.10	12.68	12.67	206Pb/238U	121	161	
5269A30	1498	623	2.40	2.08479	0.08202	0.17786	0.00590	0.08501	0.00344	0.29	1143.81	27.18	26.82	1055.28	32.31	32.23	1315.82	79.55	77.53	1143.81	27.18	26.82	207Pb/235U	63	162	
5269A31	1480	1349	1.10	0.33282	0.01546	0.04414	0.00136	0.05468	0.00248	0.30	291.72	11.81	11.74	278.46	8.38	8.37	399.29	103.41	100.19	278.46	8.38	8.37	206Pb/238U	118	163	
5269A32	1806	801	2.25	2.01577	0.06543	0.18174	0.00499	0.08044	0.00256	0.32	1120.84	22.15	21.91	1076.49	27.23	27.17	1207.84	63.29	62.01	1120.84	22.15	21.91	207Pb/235U	142	163	
5269A33	1323	770	1.72	0.87996	0.03174	0.09989	0.00271	0.06389	0.00231	0.24	640.96	17.22	17.07	613.75	15.86	15.84	738.09	77.38	75.52	613.75	15.86	15.84	206Pb/238U	125	161	
5269A34	1524	1966	0.78	0.69943	0.02845	0.08563	0.00250	0.05924	0.00229	0.35	538.45	17.07	16.93	529.67	14.88	14.86	575.83	85.18	82.96	529.67	14.88	14.86	206Pb/238U	128	162	
5269A35	619	377	1.64	0.36946	0.02457	0.04953	0.00217	0.05410	0.00371	0.25	319.25	18.30	18.14	311.62	13.35	13.34	375.31	158.15	150.75	311.62	13.35	13.34	206Pb/238U	101	162	
5269A36	379	352	1.08	0.38775	0.02799	0.05241	0.00189	0.05366	0.00389	0.20	332.72	20.59	20.38	329.31	11.58	11.57	356.66	168.19	159.86	329.31	11.58	11.57	206Pb/238U	111	163	
5269A37	1109	866	1.28	4.12183	0.13183	0.27366	0.00708	0.10924	0.00342	0.29	1658.64	26.30	25.97	1559.33	35.86	35.76	1786.79	57.62	56.52	1658.64	26.30	25.97	207Pb/235U	103	164	
5269A38	631	352	1.79	8.63579	0.42366	0.39162	0.01769	0.15993	0.00700	0.53	2300.33	45.14	44.16	2130.35	82.19	81.67	2454.94	74.94	73.04	2300.33	45.14	44.16	207Pb/235U	103	164	
5269A39	2193	1830	1.20	4.33883	0.14358	0.28608	0.00767	0.11000	0.00354	0.31	1700.77	27.49	27.13	1621.90	38.49	38.37	1799.38	59.12	57.97	1700.77	27.49	27.13	207Pb/235U	110	161	
5269A41	298	256	1.16	0.44391	0.03839	0.05821	0.00213	0.05531	0.00489	0.12	373.00	27.18	26.82	364.73	12.96	12.95	424.71	203.72	191.57	364.73	12.96	12.95	206Pb/238U	103	159	
5269A42	4304	1761	2.44	1.01162	0.03198	0.10756	0.00269	0.06821	0.00208	0.30	709.69	16.21	16.08	658.56	15.66	15.64	875.02	63.85	62.57	709.69	16.21	16.08	207Pb/235U	121	161	
5269A43	2614	544	4.81	1.01906	0.03195	0.11165	0.00275	0.06620	0.00196	0.33	713.44	16.13	16.01	682.31	15.94	15.92	812.65	62.65	61.43	713.44	16.13	16.01	207Pb/235U	141	164	
5269A44	447	145	3.09	4.08072	0.15021	0.27563	0.00791	0.10738	0.00380	0.34	1650.46	30.24	29.80	1569.29	40.03	39.91	1755.39	65.41	64.01	1650.46	30.24	29.80	207Pb/235U	116	161	
5269A45	2432	2543	0.96	0.41479	0.02143	0.05423	0.00143	0.0554																		

5269A81	422	404	1.04	0.99959	0.05037	0.11220	0.00281	0.06461	0.00333	0.08	703.60	25.74	25.42	685.51	16.30	16.28	761.82	110.51	106.76	685.51	16.30	16.28	206Pb/238U	113	170
5269A82	989	1151	0.86	0.35885	0.01944	0.04809	0.00130	0.05412	0.00302	0.08	311.35	14.58	14.48	302.79	8.02	8.01	376.01	127.98	123.09	302.79	8.02	8.01	206Pb/238U	110	162
5269A84	429	80	5.35	0.61848	0.03234	0.07857	0.00208	0.05709	0.00309	0.07	488.89	20.39	20.19	487.59	12.47	12.46	494.99	121.69	117.23	487.59	12.47	12.46	206Pb/238U	119	159
5269A85	204	152	1.34	1.34014	0.07204	0.14114	0.00389	0.06887	0.00384	0.08	863.29	31.50	31.02	851.09	22.01	21.97	894.74	117.33	113.08	851.09	22.01	21.97	206Pb/238U	113	162
5269A86	308	191	1.61	5.27810	0.36882	0.30876	0.01912	0.12398	0.00894	0.38	1865.33	60.54	58.79	1734.61	94.55	93.86	2014.29	130.72	125.17	1865.33	60.54	58.79	207Pb/235U	164	167
5269A87	1546	1001	1.54	0.33289	0.01545	0.04495	0.00113	0.05371	0.00255	0.08	291.77	11.81	11.74	283.45	6.98	6.97	358.90	109.06	105.50	283.45	6.98	6.97	206Pb/238U	102	164
5269A88	196	324	0.60	0.60556	0.08451	0.07384	0.00194	0.05948	0.00836	0.01	480.76	54.16	52.75	459.28	11.67	11.66	584.53	320.81	291.40	459.28	11.67	11.66	206Pb/238U	137	161
5269A89	919	383	2.40	11.66251	0.85374	0.42679	0.03145	0.19819	0.01205	0.64	2577.70	69.64	67.33	2291.24	142.87	141.31	2811.33	101.18	97.71	2577.70	69.64	67.33	207Pb/235U	11	161
5269A90	1592	2521	0.63	0.41454	0.01590	0.05484	0.00137	0.05482	0.00209	0.19	352.14	11.44	11.38	344.17	8.40	8.39	405.04	86.53	84.26	344.17	8.40	8.39	206Pb/238U	128	164
5269A91	577	682	0.85	0.35167	0.02522	0.04773	0.00147	0.05343	0.00393	0.09	305.98	19.04	18.86	300.59	9.03	9.02	347.25	170.71	162.13	300.59	9.03	9.02	206Pb/238U	101	163
5269A92	1765	2368	0.75	0.66248	0.02585	0.08015	0.00233	0.05994	0.00236	0.24	516.13	15.85	15.72	497.05	13.94	13.92	601.52	86.26	83.98	497.05	13.94	13.92	206Pb/238U	134	164
5269A93	1941	3505	0.55	0.37579	0.01741	0.04918	0.00166	0.05542	0.00249	0.33	323.94	12.89	12.81	309.50	10.17	10.17	429.03	101.84	98.71	309.50	10.17	10.17	206Pb/238U	127	166
5269A94	562	437	1.29	1.01340	0.04760	0.11217	0.00411	0.06552	0.00309	0.32	710.59	24.15	23.86	685.35	23.83	23.79	791.19	100.47	97.36	710.59	24.15	23.86	207Pb/235U	133	164
5269A97	451	491	0.92	0.65733	0.04513	0.08233	0.00350	0.05791	0.00407	0.23	512.98	27.84	27.46	509.99	20.85	20.82	526.29	157.97	150.52	509.99	20.85	20.82	206Pb/238U	104	165
5269A98	300	418	0.72	4.06064	0.18548	0.27421	0.01037	0.10740	0.00501	0.31	1646.44	37.56	36.88	1562.15	52.56	52.35	1755.78	86.54	84.09	1646.44	37.56	36.88	207Pb/235U	129	163
5269A99	4606	863	5.34	0.59104	0.09325	0.06237	0.00930	0.06873	0.01032	0.52	471.53	60.40	58.65	390.03	56.54	56.29	890.56	326.75	295.77	471.53	60.40	58.65	207Pb/235U	13	165
5269A100	657	504	1.30	4.23420	0.19245	0.28072	0.01181	0.10939	0.00495	0.40	1680.68	37.68	36.99	1595.00	59.60	59.33	1789.34	83.63	81.35	1680.68	37.68	36.99	207Pb/235U	121	163

Unit Jw of Curtis and others (1984)

Sample 06TM-08 (Apatite to Zircon, Inc. 782-08); Unit Jw, Copter Peak or Misheguk Mountain allochthon (N68.10100°, W161.54469°)

78208_1	2093	626	3.35	0.17888	0.01029	0.02585	0.00084	0.05019	0.00293	0.22	167.09	8.88	8.85	164.50	5.30	5.30	203.97	138.14	132.52	164.50	5.30	5.30	206Pb/238U	95	178
78208_2	798	234	3.41	0.18910	0.01671	0.02666	0.00106	0.05143	0.00468	0.13	175.86	14.32	14.22	169.64	6.64	6.63	260.36	215.98	202.51	169.64	6.64	6.63	206Pb/238U	72	178
78208_3	7736	3579	2.16	0.14815	0.00719	0.02137	0.00089	0.05029	0.00225	0.49	140.28	6.37	6.35	136.29	5.63	5.63	208.34	105.55	102.24	136.29	5.63	5.63	206Pb/238U	93	178
78208_4	1282	489	2.62	0.19023	0.01655	0.02587	0.00102	0.05333	0.00469	0.18	176.83	14.17	14.07	164.64	6.41	6.41	343.00	205.38	193.10	164.64	6.41	6.41	206Pb/238U	57	178
78208_5	252	53	4.72	0.20341	0.03206	0.02920	0.00145	0.05052	0.00816	0.07	188.01	27.23	26.87	185.55	9.10	9.09	218.97	396.68	353.58	185.55	9.10	9.09	206Pb/238U	65	178
78208_6	1314	333	3.95	0.18654	0.01259	0.02669	0.00096	0.05069	0.00351	0.18	173.67	10.80	10.74	169.80	6.00	6.00	226.78	164.02	156.15	169.80	6.00	6.00	206Pb/238U	98	178
78208_7	687	176	3.91	0.19728	0.02046	0.02701	0.00106	0.05298	0.00570	0.07	182.82	17.43	17.28	171.80	6.65	6.64	327.82	253.64	235.19	171.80	6.65	6.64	206Pb/238U	82	178
78208_8	7511	3617	2.08	0.14372	0.00717	0.02073	0.00089	0.05029	0.00229	0.50	136.35	6.38	6.36	132.24	5.64	5.64	208.51	107.45	104.02	132.24	5.64	5.64	206Pb/238U	98	178
78208_9	676	288	2.35	0.18312	0.01630	0.02595	0.00101	0.05117	0.00474	0.10	170.74	14.03	13.94	165.18	6.37	6.37	248.54	220.52	206.51	165.18	6.37	6.37	206Pb/238U	98	178
78208_10	5914	3548	1.67	0.14161	0.00701	0.02037	0.00071	0.05043	0.00249	0.31	134.47	6.25	6.23	129.97	4.49	4.49	214.73	116.23	112.23	129.97	4.49	4.49	206Pb/238U	101	178
78208_11	558	104	5.34	0.19530	0.02040	0.02740	0.00128	0.05169	0.00554	0.15	181.14	17.40	17.25	174.28	8.02	8.02	271.62	255.34	236.71	174.28	8.02	8.02	206Pb/238U	79	177
78208_12	6974	3252	2.14	0.14610	0.00636	0.02112	0.00076	0.05016	0.00217	0.37	138.46	5.64	5.63	134.75	4.81	4.81	202.57	102.08	98.98	134.75	4.81	4.81	206Pb/238U	108	178
78208_13	4804	2600	1.85	0.14574	0.00792	0.02107	0.00091	0.05016	0.00245	0.50	138.14	7.04	7.01	134.44	5.78	5.77	202.27	115.57	111.61	134.44	5.78	5.77	206Pb/238U	104	178
78208_14	2763	2135	1.29	0.15010	0.00749	0.02134	0.00068	0.05101	0.00264	0.19	142.00	6.62	6.60	136.12	4.27	4.26	241.44	121.69	117.30	136.12	4.27	4.26	206Pb/238U	122	177
78208_15	651	106	6.13	0.18545	0.01916	0.02606	0.00119	0.05162	0.00558	0.09	172.74	16.48	16.35	165.81	7.47	7.47	268.62	257.88	238.90	165.81	7.47	7.47	206Pb/238U	83	178
78208_16	2052	1027	2.00	0.17002	0.00896	0.02444	0.00081	0.05045	0.00276	0.20	159.44	7.79	7.76	155.67	5.10	5.10	215.78	129.01	124.10	155.67	5.10	5.10	206Pb/238U	109	178
78208_17	366	438	0.84	0.21497	0.02904	0.02921	0.00138	0.05337	0.00737	0.10	197.72	24.42	24.13	185.62	8.64	8.63	344.60	328.72	298.34	185.62	8.64	8.63	206Pb/238U	81	178
78208_18	4342	2941	1.48	0.14483	0.00850	0.02096	0.00091	0.05012	0.00267	0.47	137.34	7.55	7.53	133.70	5.77	5.77	200.68	125.92	121.24	133.70	5.77	5.77	206Pb/238U	95	178
78208_19	1545	1619	0.95	0.80238	0.03548	0.09725	0.00333	0.05984	0.00260	0.36	598.17	20.08	19.89	598.28	19.60	19.57	597.75	95.56	92.77	598.28	19.60	19.57	206Pb/238U	124	178
78208_20	577	111	5.21	0.18926	0.02011	0.02709	0.00098	0.05067	0.00549	0.09	175.99	17.24	17.09	172.31	6.13	6.13	225.80	260.47	241.17	172.31	6.13	6.13	206Pb/238U	93	178
78208_21	7745	4260	1.82	0.14752	0.00663	0.02133	0.00083	0.05015	0.00225	0.39	139.72	5.87	5.86	136.07	5.23	5.23	202.18	105.61	102.29	136.07	5.23	5.23	206Pb/238U	104	178
78208_22	687	188	3.65	0.19078	0.01544	0.02719	0.00100	0.05089	0.00429	0.10	177.30	13.21	13.12	172.93	6.29	6.29	235.98	200.58	188.93	172.93	6.29	6.29	206Pb/238U	96	177
78208_23	6291	2933	2.15	0.13772	0.00667	0.02012	0.00082	0.04964	0.00236	0.40	131.01	5.96	5.94	128.43	5.21	5.21	177.98	112.82	109.05	128.43	5.21	5.21	206Pb/238U	93	178
78208_24	6320	3558	1.78	0.13646	0.00727	0.02013	0.00091	0.04915	0.00245	0.47	129.88	6.50	6.48	128.51	5.77	5.76	155.14	118.63	114.48	128.51	5.77	5.76	206Pb/238U	75	178
78208_25	8363	4243	1.97	0.13936	0.00694	0.02028	0.00078	0.04983	0.00246	0.35	132.48	6.19	6.17	129.45	4.91	4.91	187.03	117.03	112.98	129.45	4.91	4.91	206Pb/238U	83	178
78208_26	1123	377	2.98	0.17798	0.01311	0.02586	0.00101	0.04991	0.00382	0.16	166.32	11.33	11.27	164.60	6.37	6.37	190.88	182.82	173.12	164.60	6.37	6.37	206Pb/238U	98	176
78208_27	430	208	2.07	0.19098	0.02229	0.02635	0.00119	0.05257	0.00631	0.10	177.47	19.10	18.92	167.66	7.47	7.47	310.13	285.49	262.34	167.66	7.47	7.47	206Pb/238U	80	177
78208_28	464	84	5.51	0.20017	0.02276	0.02741	0.00103	0.05297	0.00609	0.11	185.27	19.34	19.16	174.31	6.48	6.47	327.38	272.09	250.97	174.31	6.48	6.47	206Pb/238U	86	178
78208_29	328	76	4.30	0.20856	0.02945	0.02848	0.00119	0.05311	0.00765	0.06	192.35	24.90	24.60	181.05	7.49	7.48	333.36	344.36	311.18	181.05	7.49	7.48	206Pb/238U	100	175
78208_30	7003	3400	2.06	0.13522	0.00649	0.01953	0.00073	0.05022	0.00226	0.42	128.77	5.81	5.80	124.68	4.64	4.64	205.05	106.09	102.75	124.68	4.64	4.64	206Pb/238U	96	176
78208_31	6601	4150	1.59	0.14423	0.00716	0.02118	0.00088	0.04939	0.00218	0.51	136.80	6.36	6.34	135.10	5.54	5.53	166.56	104.59	101.35	135.10	5.54	5.53	206Pb/238U	97	178
78208_32	4550	2465	1.85	0.17949	0.00872	0.02440	0.00092	0.05334	0.00242	0.43	167.62	7.52	7.49	155.43	5.82	5.82	343.38	104.20	100.94	155.43	5.82	5.82	206Pb/238U	103	177
78208_33	8231	4101	2.01	0.14462	0.00705	0.02115	0.00079	0.04958	0.00224	0.43	137.15	6.27	6.25	134.94	4.96	4.96	175.57	107.23	103.82	134.94	4.96	4.96	206Pb/238U	94	177
78208_34	449	156	2.88	0.19690	0.02137	0.02750	0.00110	0.05192	0.00581	0.07	182.50	18.21	18.05	174.91	6.93	6.93	282.00	266.68	246.41	174.91	6.93	6.93	206Pb/238U	83	178
78208_35	498	270	1.84	5.88349	0.20394	0.35232	0.01049	0.12111	0.00407	0.37	1958.80	30.31	29.86	1945.69	50.12	49.93	1972.69	60.54	59.32	1958.80	30.31	29.86	207Pb/235U	136	177
78208_36	694	243	2.85	0.18555	0.01598	0.02628	0.00096	0.05121	0.00457	0.09	172.82	13.73	13.64	167.23	6.04	6.04	250.08	212.08	199.08	167.23	6.04	6.04	206Pb/238U	97	178
78208_37	1542	471	3.28	0.17094	0.01175	0.02454	0.00096	0.05053	0.00367	0.13	160.24	10.22	10.16	156.27	6.02	6.01	219.24	172.70	164.00	156.27	6.02	6.01	206Pb/238U	88	177
78208_38	1841	927	1.99	0.17459	0.01025	0.02514	0.00096	0.05037	0.00312	0.18	163.40	8.88	8.84	160.06	6.03	6.03	211.96	146.95	140.60	160.06	6.03	6.03	206Pb/238U	90	177
78208_39	6817	3232	2.11	0.13739	0.00681	0.02000	0.00080	0.04982	0.00228	0.45	130.72	6.09	6.07	127.65	5.05	5.05	186.84	108.22	104.75	127.65	5.05	5.05	206Pb/238U	91	178
78208_40	1964	769	2.55	0.16769	0.00999	0.02438	0.00084	0.04988	0.00298	0.24	157.41	8.71	8.67	155.29	5.28	5.28	189.48	141.89	135.98	155.29	5.28	5.28	206Pb/238U	103	178
78208_41	1259	340	3.70	0.17269	0.01242	0.02449	0.00090	0.05113	0.00380	0.15	161.75	10.78	10.72	156.00	5.67	5.67	246.77	175.60	166.60	156.00	5.67	5.67	206Pb/238U	96	175
78208_42	2105	654	3.22	0.16923	0.00885	0.02460	0.00092	0.04990	0.00270	0.25	158.75	7.70	7.67	156.64	5.81	5.81	190.45	128.41	123.55	156.64	5.81	5.81	206Pb/238U	100	176
78208_43	6955	3513	1.98	0.13591	0.00640	0.01955	0.00078	0.05042	0.00240	0.35	129.39	5.73	5.71	124.80	4.94	4.94	214.61	112.19	108.46	124.80	4.94	4.94	206Pb/238U	94	178
78208_44	509	194	2.63	0.18733	0.01908	0.02618	0.00114	0.05190	0.00538	0.15	174.35	16.38	16.25	166.59	7.14	7.14	280.85	246.22	228.85	166.59	7.14	7.14	206Pb/238U	91	178
78208_45	676	192	3.53	0.18030	0.01724	0.02566	0.00108	0.05096	0.00505	0.11	168.32	14.89	14.78	163.32	6.76	6.76	239.09	236.88	220.80	163.32	6.76	6.76	206Pb/238U	85	173

78208_61	4176	2769	1.51	0.13536	0.00789	0.01975	0.00095	0.04971	0.00259	0.51	128.91	7.07	7.05	126.08	6.04	6.03	181.29	123.83	119.30	426.08	6.04	6.03	206Pb/238U	88	178
78208_62	432	104	4.17	0.19239	0.02065	0.02713	0.00100	0.05143	0.00562	0.09	178.67	17.66	17.51	172.55	6.29	6.29	260.36	261.15	241.70	172.55	6.29	6.29	206Pb/238U	104	175
78208_63	1442	2408	0.60	1.08938	0.04661	0.12215	0.00389	0.06468	0.00282	0.26	748.20	22.78	22.53	742.94	22.39	22.36	763.97	93.24	90.56	742.94	22.39	22.36	206Pb/238U	143	176
78208_64	938	264	3.55	0.18771	0.01519	0.02632	0.00094	0.05173	0.00426	0.15	174.67	13.03	12.94	167.45	5.93	5.93	273.58	194.25	183.27	167.45	5.93	5.93	206Pb/238U	85	172
78208_65	5272	2591	2.03	0.13974	0.00756	0.02010	0.00083	0.05043	0.00252	0.44	132.81	6.75	6.73	128.26	5.22	5.22	214.94	118.02	113.89	428.26	5.22	5.22	206Pb/238U	102	177
78208_66	639	162	3.95	0.18702	0.01613	0.02621	0.00103	0.05176	0.00466	0.10	174.09	13.85	13.75	166.77	6.49	6.48	274.64	213.14	200.00	166.77	6.49	6.48	206Pb/238U	101	175
78208_67	3139	1518	2.07	0.16518	0.00939	0.02384	0.00104	0.05025	0.00267	0.44	155.23	8.20	8.17	151.88	6.58	6.57	206.75	125.59	120.93	451.88	6.58	6.57	206Pb/238U	99	177
78208_68	506	161	3.14	0.19378	0.02015	0.02650	0.00099	0.05303	0.00562	0.10	179.85	17.21	17.07	168.60	6.23	6.22	330.26	249.96	232.01	168.60	6.23	6.22	206Pb/238U	106	177
78208_69	3872	1054	3.67	0.42503	0.01941	0.05687	0.00228	0.05420	0.00216	0.54	359.64	13.88	13.78	356.57	13.90	13.89	379.52	90.74	88.25	359.64	13.88	13.78	207Pb/235U	118	178
78208_70	6019	2951	2.04	0.13675	0.00679	0.01991	0.00079	0.04982	0.00246	0.35	130.14	6.07	6.05	127.07	4.96	4.96	186.57	117.25	113.19	427.07	4.96	4.96	206Pb/238U	87	177
78208_71	3634	1763	2.06	3.82420	0.26667	0.25695	0.01736	0.10794	0.00529	0.74	1597.85	56.92	55.37	1474.21	89.32	88.71	1764.99	90.86	88.17	1597.85	56.92	55.37	207Pb/235U	39	177
78208_72	8328	4506	1.85	0.14028	0.00625	0.02036	0.00076	0.04997	0.00209	0.44	133.29	5.57	5.55	129.95	4.83	4.83	193.37	98.84	95.93	429.95	4.83	4.83	206Pb/238U	119	177
78208_73	5231	5175	1.01	0.13567	0.00787	0.02002	0.00089	0.04916	0.00264	0.45	129.18	7.05	7.03	127.76	5.65	5.65	155.42	128.08	123.26	427.76	5.65	5.65	206Pb/238U	92	178
78208_74	648	249	2.60	0.19059	0.02173	0.02674	0.00112	0.05170	0.00605	0.09	177.13	18.61	18.44	170.10	7.04	7.04	271.95	279.79	257.58	170.10	7.04	7.04	206Pb/238U	69	177
78208_75	467	105	4.45	0.19292	0.02195	0.02729	0.00107	0.05127	0.00600	0.06	179.12	18.77	18.60	173.55	6.70	6.69	253.18	280.66	258.34	173.55	6.70	6.69	206Pb/238U	99	178
78208_76	515	212	2.43	0.18946	0.02095	0.02588	0.00102	0.05309	0.00596	0.11	176.17	17.96	17.80	164.71	6.43	6.43	332.81	265.13	245.03	164.71	6.43	6.43	206Pb/238U	93	177
78208_77	14648	17311	0.85	0.14400	0.00605	0.02080	0.00074	0.05021	0.00197	0.44	136.60	5.38	5.36	132.72	4.66	4.66	204.53	92.42	89.88	432.72	4.66	4.66	206Pb/238U	114	178
78208_78	857	469	1.83	0.17706	0.01495	0.02539	0.00096	0.05057	0.00441	0.12	165.53	12.94	12.85	161.66	6.05	6.05	221.22	208.05	195.55	161.66	6.05	6.05	206Pb/238U	102	178
78208_79	7234	3630	1.99	0.13719	0.00596	0.02010	0.00075	0.04950	0.00213	0.38	130.53	5.33	5.32	128.28	4.71	4.71	171.78	101.86	98.78	428.28	4.71	4.71	206Pb/238U	105	178
78208_80	1668	822	2.03	0.17419	0.01059	0.02456	0.00092	0.05144	0.00325	0.19	163.05	9.18	9.14	156.40	5.77	5.77	260.70	148.58	142.08	156.40	5.77	5.77	206Pb/238U	103	178
78208_81	1777	664	2.68	0.17517	0.01097	0.02518	0.00095	0.05045	0.00317	0.25	163.90	9.50	9.46	160.32	5.95	5.95	215.87	148.92	142.41	160.32	5.95	5.95	206Pb/238U	91	176
78208_82	6806	3873	1.76	0.13987	0.00694	0.02044	0.00081	0.04963	0.00217	0.51	132.93	6.19	6.17	130.44	5.11	5.11	177.71	103.45	100.27	430.44	5.11	5.11	206Pb/238U	108	178
78208_83	411	271	1.52	6.00485	0.23253	0.35523	0.01185	0.12260	0.00487	0.31	1976.55	33.99	33.43	1959.53	56.50	56.25	1994.40	71.40	69.71	1976.55	33.99	33.43	207Pb/235U	157	178
78208_84	4145	2918	1.42	0.14411	0.00756	0.02092	0.00084	0.04995	0.00244	0.43	136.70	6.72	6.70	133.48	5.32	5.31	192.86	115.75	111.78	433.48	5.32	5.31	206Pb/238U	110	178
78208_85	4728	2012	2.35	0.14694	0.00699	0.02090	0.00079	0.05099	0.00224	0.44	139.20	6.20	6.18	133.35	4.99	4.99	240.24	103.12	99.95	433.35	4.99	4.99	206Pb/238U	121	176
78208_86	1361	417	3.26	0.17933	0.01088	0.02511	0.00085	0.05180	0.00330	0.13	167.48	9.38	9.34	159.86	5.35	5.35	276.67	149.26	142.70	159.86	5.35	5.35	206Pb/238U	119	176
78208_87	8863	5415	1.64	0.14501	0.00682	0.02105	0.00076	0.04996	0.00227	0.37	137.50	6.06	6.04	134.29	4.81	4.81	193.26	107.23	103.82	434.29	4.81	4.81	206Pb/238U	124	177
78208_88	763	948	0.80	0.17301	0.01777	0.02489	0.00111	0.05041	0.00522	0.18	162.03	15.44	15.33	158.50	6.98	6.97	213.94	249.22	231.51	158.50	6.98	6.97	206Pb/238U	79	175
78208_89	6122	2941	2.08	0.14177	0.00760	0.02039	0.00098	0.05042	0.00242	0.53	134.62	6.77	6.75	130.14	6.17	6.17	214.26	112.98	109.20	430.44	6.17	6.17	206Pb/238U	90	176
78208_90	501	131	3.82	0.19978	0.02029	0.02820	0.00120	0.05138	0.00534	0.13	184.94	17.25	17.10	179.27	7.52	7.51	257.97	247.98	230.38	179.27	7.52	7.51	206Pb/238U	73	174
78208_91	7257	2879	2.52	0.14051	0.00754	0.02040	0.00089	0.04996	0.00252	0.44	133.49	6.73	6.71	130.16	5.63	5.63	193.16	119.43	115.21	430.16	5.63	5.63	206Pb/238U	84	175
78208_92	4595	1790	2.57	0.13999	0.00728	0.02006	0.00083	0.05060	0.00245	0.44	133.03	6.50	6.48	128.06	5.22	5.22	222.72	113.96	110.10	428.06	5.22	5.22	206Pb/238U	119	174
78208_93	4861	2907	1.67	0.14036	0.00776	0.02041	0.00091	0.04988	0.00248	0.49	133.36	6.92	6.90	130.25	5.78	5.78	189.22	117.97	113.85	430.25	5.78	5.78	206Pb/238U	106	176
78208_94	6984	2569	2.72	0.15308	0.00769	0.02273	0.00095	0.04885	0.00228	0.46	144.63	6.78	6.76	144.88	6.01	6.01	140.45	111.24	107.59	444.88	6.01	6.01	206Pb/238U	99	174
78208_95	3727	971	3.84	0.16143	0.00944	0.02386	0.00112	0.04906	0.00272	0.43	151.96	8.27	8.24	152.03	7.04	7.03	150.89	132.58	127.42	452.03	7.04	7.03	206Pb/238U	93	175

Sample 06CP-07 (Apatite to Zircon, Inc. 798-01); Unit Jw, Copter Peak or Misheguk Mountain allochthon (N68.09789°, W161.56997°)																									
79801_1	216	64	3.39	0.17197	0.01608	0.02414	0.00100	0.05166	0.00493	0.15	161.12	13.98	13.89	153.79	6.27	6.27	270.27	226.35	211.59	153.79	6.27	6.27	206Pb/238U	94	178
79801_2	190	49	3.91	0.17292	0.01572	0.02449	0.00106	0.05120	0.00480	0.14	161.95	13.65	13.56	155.99	6.67	6.67	250.05	223.40	209.03	155.99	6.67	6.67	206Pb/238U	81	176
79801_3	193	81	2.39	0.17155	0.01501	0.02436	0.00103	0.05107	0.00467	0.11	160.77	13.05	12.96	155.17	6.47	6.47	244.00	217.58	203.93	155.17	6.47	6.47	206Pb/238U	99	178
79801_4	218	161	1.35	4.53661	0.16256	0.30484	0.01013	0.10794	0.00367	0.45	1737.71	30.03	29.60	1715.25	50.14	49.95	1764.85	62.86	61.56	1737.71	30.03	29.60	207Pb/235U	130	176
79801_5	52	132	0.39	0.20315	0.04421	0.02530	0.00135	0.05825	0.01289	0.04	187.79	37.66	36.97	161.04	8.50	8.49	539.03	524.97	450.69	161.04	8.50	8.49	206Pb/238U	81	178
79801_6	230	66	3.47	0.16982	0.01422	0.02430	0.00093	0.05068	0.00425	0.20	159.27	12.38	12.30	154.78	5.87	5.87	226.51	199.80	188.24	154.78	5.87	5.87	206Pb/238U	95	175
79801_7	128	30	4.26	0.17516	0.02096	0.02420	0.00100	0.05249	0.00637	0.11	163.89	18.19	18.03	154.17	6.27	6.27	306.68	288.80	265.14	154.17	6.27	6.27	206Pb/238U	82	178
79801_8	410	110	3.73	0.17210	0.01149	0.02457	0.00085	0.05079	0.00347	0.17	161.24	9.98	9.93	156.50	5.36	5.36	231.35	161.70	154.05	156.50	5.36	5.36	206Pb/238U	98	169
79801_9	214	57	3.78	0.17419	0.01532	0.02488	0.00089	0.05079	0.00453	0.13	163.05	13.29	13.20	158.40	5.61	5.61	231.20	212.94	199.86	158.40	5.61	5.61	206Pb/238U	90	178
79801_10	106	29	3.67	0.17136	0.02421	0.02443	0.00097	0.05087	0.00728	0.07	160.60	21.10	20.88	155.62	6.12	6.12	234.72	348.17	314.49	155.62	6.12	6.12	206Pb/238U	79	172
79801_11	154	31	4.99	0.16584	0.01881	0.02372	0.00100	0.05070	0.00591	0.08	155.80	16.45	16.32	151.13	6.27	6.27	227.42	281.13	258.77	151.13	6.27	6.27	206Pb/238U	81	169
79801_12	475	183	2.60	0.16923	0.01103	0.02398	0.00082	0.05118	0.00341	0.17	158.75	9.60	9.56	152.76	5.16	5.16	249.07	156.86	149.64	152.76	5.16	5.16	206Pb/238U	106	165
79801_13	160	41	3.93	0.17798	0.01933	0.02479	0.00093	0.05207	0.00573	0.11	166.32	16.73	16.59	157.87	5.87	5.87	288.39	261.93	242.34	157.87	5.87	5.87	206Pb/238U	110	175
79801_14	213	53	4.01	0.17048	0.01759	0.02402	0.00100	0.05149	0.00542	0.12	159.84	15.31	15.20	152.98	6.28	6.27	262.66	250.96	232.95	152.98	6.28	6.27	206Pb/238U	80	175
79801_15	204	37	5.46	0.17642	0.01724	0.02507	0.00100	0.05103	0.00508	0.13	164.98	14.93	14.82	159.63	6.30	6.30	242.41	237.87	221.65	159.63	6.30	6.30	206Pb/238U	91	175
79801_16	276	345	0.80	0.36028	0.02178	0.04827	0.00163	0.05413	0.00335	0.18	312.42	16.32	16.19	303.90	10.06	10.05	376.49	142.55	136.51	303.90	10.06	10.05	206Pb/238U	117	178
79801_17	160	41	3.92	0.17885	0.01928	0.02484	0.00093	0.05221	0.00571	0.11	167.07	16.68	16.54	158.20	5.87	5.86	294.56	259.68	240.41	158.20	5.87	5.86	206Pb/238U	111	175
79801_18	216	64	3.38	0.18423	0.01602	0.02597	0.00105	0.05144	0.00454	0.17	171.69	13.78	13.69	165.30	6.59	6.59	260.66	209.38	196.69	165.30	6.59	6.59	206Pb/238U	86	172
79801_19	95	64	1.49	4.62896	0.17817	0.30247	0.01014	0.11099	0.00441	0.32	1754.51	32.40	31.89	1703.55	50.28	50.09	1815.75	73.07	71.32	1754.51	32.40	31.89	207Pb/235U	104	176
79801_20	650	275	2.36	0.17492	0.00841	0.02542	0.00091	0.04990	0.00248	0.26	163.68	7.28	7.26	161.83	5.71	5.71	190.54	117.80	113.69	161.83	5.71	5.71	206Pb/238U	121	178
79801_21	327	98	3.35	0.17543	0.01184	0.02453	0.00112	0.05187	0.00375	0.19	164.12	10.25	10.20	156.21	7.05	7.05	279.83	169.93	161.47	156.21	7.05	7.05	206Pb/238U	98	178
79801_22	170	32	5.36	0.17087	0.01702	0.02408	0.00126	0.05146	0.00531	0.17	160.17	14.82	14.71	153.41	7.93	7.93	261.41	246.07	228.74	153.41	7.93	7.93	206Pb/238U	86	178
79801_23	153	52	2.93	0.17583	0.01865	0.02482	0.00104	0.05138	0.00564	0.08	164.47	16.17	16.04	158.05	6.54	6.53	257.89	262.45	242.83	158.05	6.54	6.53	206Pb/238U	95	178
79801_24	139	31	4.50	0.16739	0.01796	0.02412	0.00109	0.05033	0.00560	0.09	157.15	15.68	15.56	153.64	6.83	6.83	210.39	268.65	248.19	153.64	6.83	6.83	206Pb/238U	78	178
79801_25	259	147	1.77	0.17552	0.01611	0.02493	0.00095	0.05107	0.00478	0.12	164.20	13.96	13.87	158.73	5.95	5.95	243.81	223.22	208.88	158.73	5.95	5.95	206Pb/238U	102	171
79801_26	370	116	3.20	0.16630	0.01163	0.02394	0.00093	0.05039	0.00365	0.17	156.20	10.15	10.10	152.48	5.83	5.82	213.00	172.18	163.53	152.48	5.83	5.82	206Pb/238U	85	171
79801_27	807	301	2.68	0.17392	0.01307	0.02451	0.00101	0.05147	0.00394	0.21	162.81	11.34	11.28	156.09	6.33	6.33	261.72	180.65	171.13	156.09	6.33	6.33	206Pb/238U	66	170
79801_28	34	17	2.04	0.31176	0.49633	0.03050	0.00880	0.07412	0.11915	0.04	275.54	425.88	351.87	193.71	55.18	54.94	1044.79	2089.58	2204.62	193.71	55.18	54.94	206Pb/238U	3	173
79801_29	180	59	3.07	0.17585	0.01890	0.02539	0.00100	0.05023	0.00546	0.13	164.48	16.39	16.26	161.62	6.29	6.28	205.88	262.44	242.88	161.62	6.29	6.28	206Pb/238U	103	174
79801_30	208	113	1.84	4.73950	0.16609	0.31461	0.01017	0.10926	0.00370	0.42	1774.25	29.60	29.17	1763.33	49.95	49.76	1787.12	62.39	61.11	1774.25	29.60	29.17	207Pb/235U	142	174
79801_31	75	30	2.51	0.52684	0.05504	0.06682	0.00265	0.05718	0.00606	0.12	429.71	36.93	36.28	416.99	16.04	16.02	498.50	242.48	225.38	416.99	16.04	16.02	206Pb/238U	108	174
79801_32	319	36	8.80	0.16880	0.01240	0.02394	0.00101	0.05114	0.00397	0.15	158.37	10.80	10.74	152.51	6.37	6.37	247.00	183.93	174.08	152.51	6.37	6.37	206Pb/238U	100	176
79801_33	296	102	2.90	0.18322	0.01416	0.02605	0.00105	0.05101	0.00398	0.21	170.83	12.19	12.11	165.78	6.59	6.58	241.39	184.82	174.88	165.78	6.59	6.58	206Pb/238U	114	176
79801_34	124	24	5.15	0.16977	0.02115	0.02377	0.00089	0.05179	0.00654	0.08	159.22	18.44	18.27	151.47	5.58	5.57	276.17	302.74	276.89	151.47	5.58	5.57	206Pb/238U	108	173
79801_35	124	24	5.15	0.16964	0.02115	0.02379	0.00089	0.05173	0.00654	0.08	159.10	18.45	18.28	151.54	5.58	5.58	273.29	303.23	277.30	151.54	5.58	5.58	206Pb/238U	108	173
79801_36	121	31	3.91	0.17941	0.02211	0.02427	0.00123	0.05362	0.00673	0.14	167.55	19.13	18.95	154.56	7.77	7.76	355.19	296.71	271.72	154.56	7.77	7.76	206Pb/238U	95	177
79801_37	110	63	1.75	0.16910	0.02083	0.02363	0.00124	0.05191	0.00642	0.19	158.64	18.18	18.01	150.54	7.82	7.82	281.39	295.85	271.11	150.54	7.82	7.82	206Pb/238U	105	178
79801_38	239	78	3.07	0.17026	0.01352	0.02435	0.00090	0.05071	0.00410	0.16	159.64	11.77	11.70	155.08	5.67	5.66	227.84	192.17	181.45	155.08	5.67	5.66	206Pb/238U	81	177
79801_39	598	277	2.16	0.16207	0.00899	0.02335	0.00084	0.05034	0.00283	0.26	152.51	7.87	7.84	148.80	5.31	5.31	210.50	132.80	127.60	148.80	5.31	5.31	206Pb/238U	114	178
79801_40	523	234	2.23	0.16838	0.01030	0.02436	0.00099	0.05012	0.00322	0.21	158.01	8.97	8.93	155.18	6.20	6.20	200.76	152.65	145.82	155.18	6.20	6.20	206Pb/238U	106	178
79801_41	238	75	3.16	0.16320	0.01355	0.02342	0.00104	0.05053	0.00426	0.21	153.50	11.86	11.79	149.25	6.53	6.53	219.62	201.29	189.57	149.25	6.53	6.53	206Pb/238U	120	176
79801_42	138	39	3.58	0.17870	0.02210	0.02451	0.00108	0.05288	0.00661	0.13	166.94	19.13	18.95	156.10	6.80	6.80	323.64	296.95	271.97	156.10	6.80	6.80	206Pb/238U	85	177
79801_43	207	60	3.43	0.16424	0.01527	0.02377	0.00089	0.05011	0.00473	0.13	154.41	13.37	13.28	151.44	5.58	5.58	200.22	226.81	212.05	151.44	5.58	5.58	206Pb/238U	91	174

79801_44	186	32	5.73	0.17059	0.01683	0.02426	0.00101	0.05100	0.00517	0.12	159.93	14.65	14.54	154.53	6.38	6.38	240.68	242.43	225.61	154.53	6.38	6.38	206Pb/238U	82	174
79801_45	164	42	3.91	0.17475	0.01867	0.02448	0.00112	0.05178	0.00569	0.12	163.53	16.20	16.07	155.88	7.03	7.02	275.88	261.99	242.41	155.88	7.03	7.02	206Pb/238U	67	174
79801_46	216	57	3.79	0.17567	0.01501	0.02502	0.00089	0.05091	0.00442	0.13	164.32	13.00	12.92	159.33	5.57	5.56	236.82	206.80	194.44	159.33	5.57	5.56	206Pb/238U	94	178
79801_47	282	65	4.33	0.17067	0.01369	0.02478	0.00101	0.04995	0.00409	0.18	160.00	11.91	11.84	157.80	6.35	6.35	192.63	196.16	185.04	157.80	6.35	6.35	206Pb/238U	78	171
79801_48	123	28	4.33	0.17482	0.02170	0.02479	0.00109	0.05115	0.00649	0.09	163.59	18.84	18.67	157.83	6.83	6.83	247.72	306.01	279.67	157.83	6.83	6.83	206Pb/238U	80	170
79801_49	387	135	2.86	0.17122	0.01372	0.02469	0.00098	0.05031	0.00404	0.21	160.48	11.93	11.86	157.20	6.16	6.16	209.14	191.70	181.05	157.20	6.16	6.16	206Pb/238U	97	176
79801_50	228	40	5.65	0.17180	0.01630	0.02427	0.00097	0.05133	0.00494	0.15	160.98	14.17	14.07	154.61	6.07	6.07	255.85	229.01	213.93	154.61	6.07	6.07	206Pb/238U	88	176
79801_51	538	477	1.13	0.16444	0.00981	0.02333	0.00096	0.05113	0.00308	0.29	154.59	8.57	8.54	148.64	6.05	6.05	246.73	141.83	135.90	148.64	6.05	6.05	206Pb/238U	109	177
79801_52	564	158	3.56	0.17384	0.01079	0.02528	0.00116	0.04988	0.00309	0.34	162.75	9.36	9.32	160.91	7.27	7.27	189.56	147.56	141.18	160.91	7.27	7.27	206Pb/238U	125	178
79801_53	215	68	3.18	0.18392	0.01843	0.02591	0.00176	0.05148	0.00520	0.31	171.43	15.87	15.74	164.90	11.04	11.03	262.43	240.36	223.79	164.90	11.04	11.03	206Pb/238U	98	178
79801_54	112	29	3.92	0.17321	0.02756	0.02449	0.00124	0.05129	0.00824	0.11	162.20	23.99	23.71	155.98	7.81	7.80	254.02	391.99	349.76	155.98	7.81	7.80	206Pb/238U	80	178
79801_55	312	85	3.68	0.18030	0.01325	0.02620	0.00111	0.04991	0.00364	0.27	168.32	11.43	11.37	166.73	6.99	6.99	190.71	174.20	165.37	166.73	6.99	6.99	206Pb/238U	102	178
79801_56	125	109	1.14	6.77784	0.22656	0.38377	0.01193	0.12809	0.00420	0.39	2082.83	29.79	29.36	2093.86	55.69	55.45	2071.95	58.28	57.14	2082.83	29.79	29.36	207Pb/235U	166	178
79801_57	280	59	4.79	0.19170	0.01627	0.02707	0.00107	0.05136	0.00440	0.18	178.08	13.91	13.82	172.20	6.71	6.71	256.93	203.33	191.35	172.20	6.71	6.71	206Pb/238U	115	175
79801_58	215	68	3.18	0.18400	0.01862	0.02591	0.00177	0.05150	0.00525	0.31	171.49	16.03	15.91	164.91	11.15	11.14	263.27	242.98	226.06	164.91	11.15	11.14	206Pb/238U	96	178
79801_59	142	90	1.58	4.70047	0.18019	0.31310	0.01070	0.10888	0.00409	0.39	1767.32	32.35	31.85	1755.93	52.64	52.42	1780.81	69.25	67.67	1767.32	32.35	31.85	207Pb/235U	140	176
79801_60	217	57	3.79	0.17623	0.01526	0.02514	0.00090	0.05084	0.00448	0.13	164.81	13.22	13.13	160.06	5.68	5.68	233.65	209.98	197.25	160.06	5.68	5.68	206Pb/238U	91	178
79801_61	86	25	3.38	0.17416	0.02650	0.02527	0.00121	0.04999	0.00775	0.08	163.02	23.05	22.79	160.87	7.62	7.62	194.49	381.78	341.76	160.87	7.62	7.62	206Pb/238U	88	177
79801_62	157	48	3.30	0.17847	0.01918	0.02473	0.00108	0.05234	0.00579	0.10	166.74	16.59	16.46	157.50	6.82	6.82	300.09	262.58	242.89	157.50	6.82	6.82	206Pb/238U	93	177
79801_63	140	33	4.30	0.17571	0.02021	0.02453	0.00101	0.05195	0.00604	0.12	164.37	17.53	17.38	156.25	6.34	6.33	283.00	277.58	255.69	156.25	6.34	6.33	206Pb/238U	92	178
79801_64	766	289	2.66	0.14862	0.00848	0.02147	0.00089	0.05020	0.00308	0.20	140.69	7.51	7.48	136.95	5.63	5.63	204.29	145.35	139.15	136.95	5.63	5.63	206Pb/238U	102	178
79801_65	364	153	2.37	0.15913	0.01391	0.02323	0.00103	0.04969	0.00447	0.16	149.94	12.22	12.14	148.01	6.48	6.48	180.63	216.48	203.02	148.01	6.48	6.48	206Pb/238U	110	178
79801_66	166	49	3.39	0.16829	0.01931	0.02369	0.00103	0.05153	0.00607	0.09	157.94	16.85	16.71	150.92	6.48	6.48	264.49	282.18	259.61	150.92	6.48	6.48	206Pb/238U	107	178
79801_67	179	54	3.29	0.17337	0.01708	0.02439	0.00106	0.05155	0.00513	0.17	162.34	14.84	14.73	155.34	6.69	6.69	265.65	236.96	220.84	155.34	6.69	6.69	206Pb/238U	107	178
79801_68	749	317	2.37	0.16835	0.01002	0.02450	0.00102	0.04984	0.00302	0.28	157.99	8.73	8.69	156.01	6.40	6.40	187.70	144.05	137.96	156.01	6.40	6.40	206Pb/238U	95	178
79801_69	91	49	1.84	0.17513	0.02835	0.02435	0.00108	0.05217	0.00856	0.07	163.86	24.65	24.35	155.08	6.79	6.79	292.76	397.89	354.35	155.08	6.79	6.79	206Pb/238U	100	178
79801_70	217	57	3.79	0.17721	0.01531	0.02524	0.00091	0.05091	0.00447	0.13	165.65	13.24	13.16	160.72	5.71	5.71	236.76	209.29	196.64	160.72	5.71	5.71	206Pb/238U	91	178
79801_71	217	57	3.79	0.17703	0.01531	0.02525	0.00091	0.05084	0.00447	0.13	165.50	13.25	13.16	160.77	5.71	5.71	233.72	209.64	196.95	160.77	5.71	5.71	206Pb/238U	91	178
79801_72	363	132	2.76	0.17438	0.01361	0.02472	0.00096	0.05116	0.00407	0.17	163.21	11.80	11.73	157.44	6.01	6.01	247.87	188.46	178.13	157.44	6.01	6.01	206Pb/238U	99	170
79801_73	492	191	2.58	0.16839	0.00951	0.02417	0.00089	0.05053	0.00290	0.24	158.02	8.28	8.24	153.96	5.57	5.57	219.38	135.64	130.22	153.96	5.57	5.57	206Pb/238U	112	178
79801_74	921	214	4.30	0.16966	0.01000	0.02449	0.00103	0.05024	0.00279	0.40	159.13	8.70	8.66	155.99	6.47	6.47	206.07	131.35	126.26	155.99	6.47	6.47	206Pb/238U	93	171
79801_75	143	90	1.58	4.71370	0.17906	0.31360	0.01064	0.10901	0.00407	0.39	1769.68	32.07	31.57	1758.42	52.31	52.10	1782.99	68.80	67.25	1769.68	32.07	31.57	207Pb/235U	144	176
79801_76	164	37	4.45	0.18612	0.02206	0.02538	0.00122	0.05318	0.00643	0.13	173.31	18.97	18.79	161.58	7.65	7.65	336.57	286.04	262.77	161.58	7.65	7.65	206Pb/238U	66	169
79801_77	219	61	3.61	0.17654	0.01679	0.02466	0.00099	0.05193	0.00506	0.12	165.08	14.54	14.44	157.02	6.23	6.22	282.21	230.93	215.57	157.02	6.23	6.22	206Pb/238U	89	175
79801_78	126	30	4.26	0.20360	0.02837	0.02640	0.00276	0.05593	0.00756	0.41	188.17	24.08	23.79	168.00	17.33	17.31	449.42	315.35	287.11	168.00	17.33	17.31	206Pb/238U	113	178
79801_79	2157	69	31.27	0.17101	0.01190	0.02490	0.00169	0.04982	0.00349	0.46	160.30	10.34	10.29	158.53	10.64	10.63	186.44	167.33	159.17	160.30	10.34	10.29	207Pb/235U	156	178
79801_80	494	148	3.34	0.17604	0.01655	0.02509	0.00229	0.05089	0.00477	0.48	164.65	14.34	14.24	159.75	14.39	14.38	235.64	223.92	209.50	164.65	14.34	14.24	207Pb/235U	132	178
79801_81	296	65	4.55	0.17609	0.01403	0.02487	0.00106	0.05136	0.00428	0.14	164.69	12.15	12.08	158.34	6.64	6.64	256.94	197.48	186.16	158.34	6.64	6.64	206Pb/238U	85	178
79801_82	280	73	3.86	0.19596	0.02256	0.02647	0.00257	0.05368	0.00620	0.41	181.70	19.24	19.06	168.44	16.17	16.15	357.77	271.65	250.55	168.44	16.17	16.15	206Pb/238U	124	178
79801_83	67	29	2.29	0.19088	0.02906	0.02646	0.00179	0.05232	0.00823	0.13	177.38	24.93	24.63	168.37	11.22	11.21	299.26	380.24	340.27	168.37	11.22	11.21	206Pb/238U	96	178
79801_84	461	84	5.51	0.17827	0.01125	0.02542	0.00099	0.05086	0.00324	0.25	166.57	9.72	9.68	161.84	6.23	6.22	234.35	150.50	143.84	161.84	6.23	6.22	206Pb/238U	118	178
79801_85	588	90	6.51	0.17086	0.01140	0.02457	0.00088	0.05043	0.00342	0.19	160.17	9.91	9.86	156.48	5.55	5.54	215.03	160.74	153.18	156.48	5.55	5.54	206Pb/238U	91	178
79801_86	204	50	4.07	0.17897	0.01642	0.02504	0.00098	0.05183	0.00480	0.16	167.18	14.20	14.10	159.45	6.16	6.16	277.97	219.49	205.58	159.45	6.16	6.16	206Pb/238U	99	175
79801_87	177	147	1.20	1.06688	0.04413	0.11847	0.00402	0.06532	0.00278	0.29	737.21	21.80	21.57	721.73	23.22	23.17	784.55	90.86	88.30	737.21	21.80	21.57	207Pb/235U	146	170
79801_88	476	77	6.20	0.17507	0.01147	0.02476	0.00084	0.05129	0.00341	0.18	163.81	9.94	9.89	157.65	5.29	5.29	253.81	156.44	149						

78211_21	164	127	1.29	0.55881	0.06496	0.06996	0.00337	0.05793	0.00696	0.10	450.75	42.76	41.88	435.92	20.34	20.31	527.11	274.68	252.91	435.92	20.34	20.31	206Pb/238U	106	178
78211_22	1141	687	1.66	4.68545	0.20623	0.30853	0.01126	0.11014	0.00474	0.36	1764.65	37.17	36.50	1733.48	55.61	55.37	1801.74	79.41	77.34	1764.65	37.17	36.50	207Pb/235U	161	178
78211_23	884	762	1.16	0.50401	0.02699	0.06593	0.00278	0.05544	0.00311	0.27	414.41	18.30	18.14	411.58	16.82	16.80	430.19	127.37	122.52	411.58	16.82	16.80	206Pb/238U	106	178
78211_24	175	134	1.30	0.55523	0.04829	0.06923	0.00341	0.05816	0.00548	0.09	448.42	31.78	31.29	431.53	20.55	20.52	535.97	213.02	199.68	431.53	20.55	20.52	206Pb/238U	103	178
78211_25	452	136	3.33	5.75685	0.25170	0.34341	0.01358	0.12158	0.00564	0.28	1939.95	38.18	37.48	1903.03	65.34	65.01	1979.60	83.85	81.53	1939.95	38.18	37.48	207Pb/235U	136	178
78211_26	1773	2435	0.73	0.57235	0.02868	0.07329	0.00287	0.05664	0.00294	0.26	459.53	18.61	18.44	455.94	17.23	17.20	477.52	116.70	112.60	455.94	17.23	17.20	206Pb/238U	130	178
78211_27	591	401	1.48	5.02926	0.27852	0.30038	0.01459	0.12143	0.00688	0.36	1824.26	47.45	46.37	1693.21	72.53	72.12	1977.35	102.69	99.24	1824.26	47.45	46.37	207Pb/235U	77	178
78211_28	158	88	1.79	1.33685	0.08740	0.14359	0.00569	0.06753	0.00464	0.16	861.86	38.33	37.62	864.91	32.11	32.03	854.02	146.04	139.53	864.91	32.11	32.03	206Pb/238U	102	176
78211_29	743	317	2.34	0.65481	0.03554	0.08331	0.00319	0.05700	0.00323	0.21	511.43	21.93	21.69	515.86	18.99	18.96	491.69	127.63	122.73	515.86	18.99	18.96	206Pb/238U	120	176
78211_30	258	285	0.91	0.50240	0.04851	0.06556	0.00283	0.05558	0.00554	0.12	413.32	33.05	32.52	409.37	17.12	17.10	435.45	230.05	214.66	409.37	17.12	17.10	206Pb/238U	98	177
78211_31	159	111	1.43	0.56560	0.07013	0.06693	0.00358	0.06129	0.00791	0.10	455.17	46.00	44.98	417.63	21.68	21.64	649.43	289.88	265.56	417.63	21.68	21.64	206Pb/238U	79	178
78211_32	732	261	2.80	0.62648	0.03220	0.07810	0.00298	0.05818	0.00319	0.20	493.90	20.20	20.01	484.77	17.82	17.79	536.44	122.15	117.65	484.77	17.82	17.79	206Pb/238U	130	178
78211_33	346	290	1.19	0.59197	0.03508	0.07475	0.00267	0.05743	0.00353	0.17	472.12	22.50	22.25	464.73	16.03	16.01	508.20	138.23	132.50	464.73	16.03	16.01	206Pb/238U	125	178
78211_34	211	317	0.66	12.99413	0.59819	0.50411	0.01936	0.18695	0.00844	0.36	2679.23	43.87	42.95	2631.45	83.24	82.71	2715.49	75.38	73.44	2679.23	43.87	42.95	207Pb/235U	132	178
78211_35	901	533	1.69	0.62736	0.03215	0.07876	0.00306	0.05777	0.00299	0.30	494.45	20.16	19.96	488.72	18.32	18.30	521.04	115.67	111.63	488.72	18.32	18.30	206Pb/238U	130	176
78211_37	444	133	3.33	0.49200	0.03542	0.06391	0.00272	0.05583	0.00416	0.19	406.27	24.25	23.96	399.37	16.47	16.45	445.74	170.19	161.62	399.37	16.47	16.45	206Pb/238U	116	178
78211_38	630	207	3.05	5.90195	0.25418	0.34538	0.01264	0.12394	0.00534	0.33	1961.52	37.74	37.05	1912.49	60.71	60.43	2013.65	77.49	75.50	1961.52	37.74	37.05	207Pb/235U	145	178
78211_39	2461	2892	0.85	0.61155	0.02792	0.07835	0.00324	0.05661	0.00264	0.35	484.54	17.67	17.52	486.27	19.40	19.37	476.36	104.82	101.50	484.54	17.67	17.52	207Pb/235U	143	177
78211_40	353	415	0.85	0.45104	0.03491	0.06095	0.00261	0.05367	0.00425	0.19	378.01	24.58	24.29	381.41	15.89	15.87	357.20	183.87	173.95	381.41	15.89	15.87	206Pb/238U	117	177
78211_41	1634	649	2.52	0.54233	0.02808	0.06873	0.00321	0.05723	0.00306	0.35	439.96	18.57	18.40	428.49	19.36	19.33	500.39	120.12	115.77	439.96	18.57	18.40	207Pb/235U	130	178
78211_42	480	313	1.53	4.90515	0.21044	0.30614	0.01130	0.11621	0.00517	0.28	1803.14	36.51	35.87	1721.71	55.87	55.63	1898.65	81.09	78.92	1803.14	36.51	35.87	207Pb/235U	140	176
78211_43	426	279	1.53	6.14556	0.25905	0.35130	0.01299	0.12688	0.00549	0.30	1996.74	37.15	36.48	1940.79	62.14	61.84	2055.16	77.44	75.45	1996.74	37.15	36.48	207Pb/235U	136	174
78211_44	499	217	2.30	5.86626	0.25029	0.34609	0.01281	0.12293	0.00525	0.34	1956.26	37.36	36.68	1915.89	61.51	61.22	1999.24	76.86	74.91	1956.26	37.36	36.68	207Pb/235U	132	172
78211_45	1003	803	1.25	1.04577	0.04578	0.11760	0.00431	0.06449	0.00284	0.31	726.79	22.85	22.60	716.75	24.88	24.83	757.86	94.29	91.54	726.79	22.85	22.60	207Pb/235U	142	175
78211_46	2251	1632	1.38	5.23778	0.20802	0.32096	0.01172	0.11836	0.00510	0.23	1858.79	34.15	33.58	1794.40	57.30	57.05	1931.59	78.16	76.15	1858.79	34.15	33.58	207Pb/235U	140	175
78211_47	710	342	2.08	11.26229	0.44448	0.47118	0.01692	0.17336	0.00687	0.34	2545.09	37.14	36.48	2488.73	74.34	73.92	2590.31	66.93	65.41	2545.09	37.14	36.48	207Pb/235U	137	175
78211_48	2818	1117	2.52	5.74466	0.24045	0.34619	0.01308	0.12035	0.00528	0.28	1938.11	36.53	35.88	1916.40	62.78	62.47	1961.40	79.34	77.26	1938.11	36.53	35.88	207Pb/235U	155	178
78211_49	382	453	0.84	0.47000	0.03851	0.06171	0.00264	0.05524	0.00476	0.11	391.19	26.78	26.43	386.04	16.04	16.02	421.77	198.25	186.73	386.04	16.04	16.02	206Pb/238U	105	173
78211_50	437	266	1.64	0.64077	0.04178	0.07965	0.00294	0.05835	0.00392	0.16	502.78	26.02	25.69	494.04	17.58	17.55	542.78	150.53	143.74	494.04	17.58	17.55	206Pb/238U	128	173
78211_51	3444	528	6.53	1.25960	0.90145	0.09494	0.06767	0.09622	0.05763	0.65	827.73	451.81	369.36	584.71	404.70	392.38	1552.07	1403.38	954.38	827.73	451.81	369.36	207Pb/235U	1	176
78211_52	588	688	0.85	4.61606	0.21119	0.30667	0.01229	0.10917	0.00511	0.32	1752.18	38.55	37.83	1724.32	60.80	60.51	1785.57	86.54	84.09	1752.18	38.55	37.83	207Pb/235U	140	173
78211_53	614	361	1.70	0.45317	0.02564	0.05987	0.00233	0.05490	0.00328	0.19	379.50	18.00	17.84	374.83	14.20	14.19	408.08	136.57	131.00	374.83	14.20	14.19	206Pb/238U	118	174
78211_54	1863	1225	1.52	0.52672	0.02542	0.06754	0.00273	0.05656	0.00289	0.25	429.63	16.98	16.84	421.29	16.53	16.50	474.60	115.16	111.16	421.29	16.53	16.50	206Pb/238U	151	175
78211_55	358	133	2.69	1.22329	0.06685	0.13549	0.00584	0.06548	0.00363	0.32	811.28	30.76	30.31	819.12	33.20	33.12	789.83	118.43	114.13	811.28	30.76	30.31	207Pb/235U	117	175
78211_56	272	136	1.99	5.18771	0.24138	0.31751	0.01266	0.11850	0.00552	0.35	1850.60	40.00	39.23	1777.58	62.09	61.79	1933.70	84.52	82.17	1850.60	40.00	39.23	207Pb/235U	128	173
78211_57	474	210	2.26	0.82411	0.04451	0.09915	0.00372	0.06028	0.00347	0.16	610.34	24.93	24.63	609.40	21.83	21.79	613.81	126.75	121.88	609.40	21.83	21.79	206Pb/238U	127	174
78211_58	1177	354	3.33	0.60159	0.04511	0.07859	0.00269	0.05552	0.00422	0.13	478.24	28.80	28.40	487.71	16.10	16.08	433.07	174.11	165.15	487.71	16.10	16.08	206Pb/238U	151	175
78211_59	1974	347	5.68	1.17784	0.09600	0.11252	0.00765	0.07592	0.00611	0.41	790.30	45.26	44.27	687.38	44.42	44.26	1092.90	165.50	157.07	790.30	45.26	44.27	207Pb/235U	26	174
78211_60	160	85	1.88	0.53765	0.06427	0.06790	0.00316	0.05743	0.00708	0.08	436.87	42.89	42.00	423.48	19.10	19.07	508.06	283.43	260.33	423.48	19.10	19.07	206Pb/238U	91	173
78211_61	1053	266	3.96	4.34754	0.17044	0.29492	0.01064	0.10691	0.00432	0.30	1702.43	32.62	32.11	1666.07	53.05	52.84	1747.47	74.93	73.09	1702.43	32.62	32.11	207Pb/235U	150	174
78211_62	954	304	3.14	9.47519	0.81088	0.43035	0.03654	0.15969	0.01019	0.71	2385.15	80.16	77.12	2307.28	165.76	163.66	2452.34	110.04	106.00	2385.15	80.16	77.12	207Pb/235U	44	175
78211_63	472	406	1.16	0.46009	0.02929	0.06008	0.00256	0.05554	0.00374	0.19	384.32	20.47	20.26	376.10	15.57	15.56	434.14	153.44	146.44	376.10	15.57	15.56	206Pb/238U	118	173
78211_64	310	196	1.58	0.53476	0.04312	0.06638	0.00285	0.05842	0.00498	0.11	434.96	28.73	28.33	414.34	17.24	17.22	545.67	191.73	180.85	414.34	17.24	17.22	206Pb/238U	134	175
78211_65	4723	786	6.01	0.82151	0.46383	0.08090	0.04212	0.07364	0.03840	0.54	608.89	276.56	243.37	501.52	253.69	248.79	1031.75	1284.59	905.98	608.89</					

Sample 06TM-29D (Apatite to Zircon, Inc. 1245-01); Granodiorite clast (N68.38608°, W162.72783°)																																	
124516az1_1	233	28	8.40	0.20475	0.03189	0.02575	0.00080	0.05767	0.00906	0.05	189.14	27.05	26.70	163.89	5.06	5.06	517.28	364.99	327.53	163.89	5.06	5.06	206Pb/238U	93	173								
124516az1_2	215	48	4.53	0.20217	0.03087	0.02588	0.00087	0.05665	0.00875	0.05	186.96	26.24	25.91	164.74	5.47	5.47	477.84	361.00	324.40	164.74	5.47	5.47	206Pb/238U	93	175								
124516az1_3	5818	1038	5.61	0.17410	0.00506	0.02555	0.00050	0.04942	0.00150	0.23	162.97	4.38	4.37	162.63	3.15	3.15	167.91	71.76	70.21	162.63	3.15	3.15	206Pb/238U	122	175								
124516az1_4	1044	432	2.42	0.17217	0.01157	0.02439	0.00097	0.05119	0.00346	0.28	161.30	10.05	10.00	155.35	6.13	6.13	249.57	159.34	151.89	155.35	6.13	6.13	206Pb/238U	105	175								
124516az1_5	237	34	7.02	0.17844	0.02874	0.02540	0.00105	0.05096	0.00829	0.09	166.72	24.92	24.62	161.68	6.61	6.61	238.88	398.54	355.00	161.68	6.61	6.61	206Pb/238U	91	175								
124516az1_6	159	20	7.97	0.18263	0.03505	0.02496	0.00112	0.05307	0.01027	0.08	170.32	30.31	29.87	158.93	7.06	7.06	331.63	471.74	411.61	158.93	7.06	7.06	206Pb/238U	93	174								
124516az1_7	126	17	7.48	0.18727	0.03693	0.02595	0.00136	0.05234	0.01049	0.07	174.30	31.83	31.34	165.16	8.53	8.52	300.16	492.72	427.61	165.16	8.53	8.52	206Pb/238U	96	174								
124516az1_8	133	25	5.41	0.18004	0.04054	0.02441	0.00127	0.05350	0.01216	0.07	168.09	35.19	34.59	155.46	7.99	7.99	349.92	559.22	476.55	155.46	7.99	7.99	206Pb/238U	83	175								
124516az1_9	314	33	9.57	0.17597	0.01962	0.02474	0.00102	0.05159	0.00585	0.14	164.58	17.01	16.87	157.52	6.42	6.42	267.44	270.91	250.04	157.52	6.42	6.42	206Pb/238U	88	174								
124516az1_10	589	118	4.98	0.17108	0.01393	0.02484	0.00089	0.04996	0.00421	0.13	160.36	12.11	12.04	158.16	5.62	5.62	192.90	202.27	190.46	158.16	5.62	5.62	206Pb/238U	104	175								
124516az1_11	596	137	4.34	0.17563	0.01255	0.02550	0.00103	0.04995	0.00369	0.21	164.29	10.87	10.81	162.32	6.48	6.48	192.80	176.67	167.59	162.32	6.48	6.48	206Pb/238U	100	175								
124516az1_12	123	13	9.40	0.18480	0.04386	0.02566	0.00133	0.05224	0.01255	0.05	172.18	37.94	37.25	163.31	8.34	8.33	295.79	591.58	506.33	163.31	8.34	8.33	206Pb/238U	79	175								
124516az1_13	435	78	5.57	0.17754	0.01761	0.02518	0.00091	0.05114	0.00511	0.16	165.94	15.24	15.13	160.29	5.72	5.72	247.27	238.74	222.40	160.29	5.72	5.72	206Pb/238U	98	175								
124516az1_14	434	49	8.93	0.17543	0.01619	0.02544	0.00105	0.05002	0.00461	0.23	164.12	14.04	13.94	161.92	6.62	6.61	195.97	221.34	207.27	161.92	6.62	6.61	206Pb/238U	92	175								
124516az1_15	134	13	10.29	0.18554	0.04068	0.02474	0.00127	0.05438	0.01210	0.05	172.82	35.14	34.55	157.57	8.02	8.01	386.95	542.85	464.46	157.57	8.02	8.01	206Pb/238U	88	175								
124516az1_16	574	94	6.10	0.17604	0.01359	0.02508	0.00081	0.05090	0.00402	0.15	164.65	11.77	11.70	159.71	5.09	5.09	236.31	187.33	177.12	159.71	5.09	5.09	206Pb/238U	104	175								
124516az1_17	136	25	5.39	0.19173	0.04527	0.02550	0.00154	0.05454	0.01306	0.07	178.10	38.94	38.21	162.29	9.71	9.71	393.47	587.19	496.49	162.29	9.71	9.71	206Pb/238U	63	175								
124516az1_18	163	21	7.86	0.18264	0.03031	0.02577	0.00118	0.05141	0.00868	0.07	170.33	26.19	25.86	163.99	7.41	7.40	259.40	412.67	366.11	163.99	7.41	7.40	206Pb/238U	99	175								
124516az1_19	94	10	9.46	0.19354	0.05510	0.02570	0.00144	0.05461	0.01576	0.03	179.65	47.43	46.34	163.61	9.06	9.06	396.29	721.60	589.21	163.61	9.06	9.06	206Pb/238U	71	175								
124516az1_20	107	18	5.82	0.17404	0.04689	0.02510	0.00123	0.05029	0.01370	0.03	162.92	40.97	40.16	159.79	7.75	7.74	208.58	417.17	576.80	159.79	7.75	7.74	206Pb/238U	94	175								
124516az1_21	423	72	5.89	0.17259	0.02047	0.02534	0.00105	0.04939	0.00588	0.16	161.66	17.80	17.65	161.34	6.58	6.58	166.36	290.65	266.90	161.34	6.58	6.58	206Pb/238U	72	175								
124516az1_22	154	20	7.53	0.17950	0.03315	0.02510	0.00102	0.05186	0.00970	0.05	167.63	28.74	28.33	159.82	6.39	6.38	279.43	458.88	401.96	159.82	6.39	6.38	206Pb/238U	91	175								
124516az1_23	97	9	10.50	0.17326	0.04924	0.02419	0.00140	0.05194	0.01503	0.01	162.25	43.06	42.17	154.10	8.80	8.79	282.91	565.82	602.00	154.10	8.80	8.79	206Pb/238U	74	175								
124516az1_24	320	53	6.04	0.17152	0.01626	0.02497	0.00079	0.04982	0.00489	0.05	160.74	14.14	14.04	158.99	4.97	4.96	186.61	236.91	220.87	158.99	4.97	4.96	206Pb/238U	92	175								
124516az1_25	332	68	4.85	0.18018	0.01908	0.02546	0.00066	0.05132	0.00554	0.03	168.22	16.48	16.35	162.08	4.13	4.13	255.42	258.17	239.16	162.08	4.13	4.13	206Pb/238U	97	175								
124516az1_26	238	55	4.31	0.18541	0.02098	0.02562	0.00073	0.05248	0.00605	0.04	172.70	18.05	17.89	163.08	4.60	4.60	306.58	273.87	252.50	163.08	4.60	4.60	206Pb/238U	97	175								
124516az1_27	927	183	5.06	0.16937	0.01205	0.02456	0.00060	0.05001	0.00365	0.08	158.87	10.49	10.44	156.43	3.77	3.77	195.44	174.17	165.34	156.43	3.77	3.77	206Pb/238U	76	175								
124516az1_28	43	4	10.55	0.20346	0.09171	0.02462	0.00171	0.05995	0.02729	0.01	188.05	78.89	75.94	156.77	10.74	10.73	601.61	1176.42	857.19	156.77	10.74	10.73	206Pb/238U	79	175								
124516az1_29	361	49	7.37	0.17607	0.02105	0.02455	0.00086	0.05202	0																								

124516az1_79	393	114	3.44	0.17244	0.01834	0.02500	0.00075	0.05003	0.00540	0.08	161.53	15.94	15.82	159.17	4.73	4.73	196.26	261.16	241.80	159.17	4.73	4.73	206Pb/238U	78	173
124516az1_80	547	151	3.62	0.17550	0.01263	0.02573	0.00067	0.04947	0.00366	0.09	164.18	10.93	10.88	163.78	4.22	4.22	170.04	177.30	168.17	163.78	4.22	4.22	206Pb/238U	104	175
124516az1_81	134	30	4.40	0.17172	0.03602	0.02437	0.00111	0.05111	0.01090	0.03	160.91	31.46	30.98	155.22	6.98	6.98	245.57	491.14	457.20	155.22	6.98	6.98	206Pb/238U	87	173
124516az1_82	256	59	4.33	0.17835	0.01987	0.02524	0.00087	0.05125	0.00588	0.05	166.64	17.19	17.05	160.67	5.46	5.46	252.31	275.38	253.86	160.67	5.46	5.46	206Pb/238U	85	174
124516az1_83	150	30	5.03	0.18555	0.03111	0.02479	0.00096	0.05427	0.00928	0.02	172.82	26.82	26.47	157.89	6.04	6.04	382.45	409.28	363.12	157.89	6.04	6.04	206Pb/238U	84	174
124516az1_84	303	70	4.30	0.17602	0.01753	0.02466	0.00063	0.05177	0.00527	0.03	164.63	15.19	15.08	157.02	3.96	3.96	275.47	241.79	225.01	157.02	3.96	3.96	206Pb/238U	88	173
124516az1_85	155	18	8.60	0.18765	0.03099	0.02613	0.00095	0.05208	0.00871	0.05	174.62	26.67	26.32	166.29	5.98	5.98	289.08	406.26	360.98	166.29	5.98	5.98	206Pb/238U	81	174
124516az1_86	161	35	4.62	0.17715	0.03168	0.02530	0.00104	0.05078	0.00924	0.03	165.60	27.51	27.14	161.06	6.52	6.52	230.96	449.78	395.12	161.06	6.52	6.52	206Pb/238U	85	174
124516az1_87	286	68	4.20	0.17192	0.01941	0.02519	0.00085	0.04951	0.00569	0.08	161.08	16.88	16.74	160.34	5.37	5.37	172.00	280.05	257.93	160.34	5.37	5.37	206Pb/238U	92	174
124516az1_88	191	19	9.92	0.17917	0.02619	0.02456	0.00092	0.05290	0.00787	0.05	167.35	22.68	22.43	156.44	5.77	5.77	324.53	356.82	321.34	156.44	5.77	5.77	206Pb/238U	108	175
124516az1_89	312	44	7.01	0.17383	0.01781	0.02478	0.00089	0.05087	0.00530	0.12	162.74	15.47	15.35	157.82	5.60	5.60	234.88	249.95	232.11	157.82	5.60	5.60	206Pb/238U	101	174
124516az1_90	202	67	3.00	0.16973	0.02568	0.02455	0.00093	0.05014	0.00769	0.07	159.19	22.41	22.17	156.35	5.86	5.86	201.55	376.96	337.88	156.35	5.86	5.86	206Pb/238U	88	175
124516az1_91	106	14	7.39	0.17944	0.04190	0.02456	0.00123	0.05299	0.01258	0.03	167.58	36.40	35.76	156.42	7.75	7.75	328.20	589.20	498.26	156.42	7.75	7.75	206Pb/238U	81	174
124516az1_92	1460	885	1.65	0.18313	0.01000	0.02628	0.00079	0.05053	0.00271	0.30	170.75	8.60	8.56	167.25	4.99	4.99	219.49	126.33	121.61	167.25	4.99	4.99	206Pb/238U	100	174
124516az1_93	510	79	6.45	0.17236	0.01404	0.02461	0.00088	0.05079	0.00425	0.15	161.47	12.20	12.13	156.75	5.55	5.55	231.15	199.33	187.82	156.75	5.55	5.55	206Pb/238U	109	175
124516az1_94	170	23	7.37	0.17961	0.02671	0.02483	0.00090	0.05246	0.00793	0.05	167.72	23.12	22.86	158.11	5.68	5.68	305.67	363.96	327.16	158.11	5.68	5.68	206Pb/238U	95	174
124516az1_95	560	91	6.12	0.17652	0.01472	0.02501	0.00071	0.05119	0.00430	0.14	165.06	12.74	12.67	159.24	4.47	4.47	249.33	199.30	187.78	159.24	4.47	4.47	206Pb/238U	102	175
124516az1_96	243	52	4.64	0.17471	0.02536	0.02477	0.00099	0.05115	0.00756	0.07	163.50	22.04	21.80	157.73	6.24	6.24	247.79	359.48	323.67	157.73	6.24	6.24	206Pb/238U	68	175
124516az1_97	244	59	4.15	0.17745	0.02274	0.02516	0.00100	0.05114	0.00672	0.07	165.86	19.70	19.51	160.21	6.31	6.31	247.30	317.68	289.38	160.21	6.31	6.31	206Pb/238U	79	175
124516az1_98	525	127	4.12	0.17617	0.01485	0.02498	0.00066	0.05115	0.00440	0.08	164.76	12.86	12.78	159.04	4.15	4.15	247.69	204.43	192.33	159.04	4.15	4.15	206Pb/238U	92	172
124516az1_99	451	87	5.17	0.17207	0.01568	0.02491	0.00057	0.05010	0.00465	0.05	161.21	13.63	13.54	158.62	3.61	3.61	199.46	222.83	208.58	158.62	3.61	3.61	206Pb/238U	102	175
124516az1_100	731	276	2.65	0.16977	0.00973	0.02455	0.00051	0.05015	0.00294	0.10	159.22	8.46	8.43	156.35	3.19	3.19	202.16	138.94	133.26	156.35	3.19	3.19	206Pb/238U	103	174
124516az1_101	45	5	9.15	0.18288	0.07346	0.02478	0.00172	0.05353	0.02179	0.01	170.54	64.05	62.09	157.78	10.81	10.80	351.39	702.78	808.69	157.78	10.81	10.80	206Pb/238U	84	174
124516az1_102	180	34	5.31	0.18273	0.02822	0.02534	0.00099	0.05230	0.00820	0.06	170.40	24.38	24.09	161.31	6.21	6.20	298.66	378.94	339.23	161.31	6.21	6.20	206Pb/238U	81	173
124516az1_103	474	83	5.75	0.17760	0.01423	0.02535	0.00080	0.05081	0.00421	0.10	165.99	12.30	12.23	161.38	5.03	5.03	232.25	196.90	185.66	161.38	5.03	5.03	206Pb/238U	88	174
124516az1_104	172	22	7.96	0.17937	0.02889	0.02512	0.00098	0.05179	0.00851	0.03	167.52	25.03	24.72	159.94	6.17	6.17	275.94	400.05	356.11	159.94	6.17	6.17	206Pb/238U	80	174
124516az1_105	356	60	5.98	0.17426	0.02036	0.02450	0.00074	0.05158	0.00616	0.04	163.11	17.68	17.53	156.03	4.65	4.65	267.06	285.97	262.81	156.03	4.65	4.65	206Pb/238U	74	175
124516az1_106	277	49	5.59	0.18311	0.01895	0.02545	0.00071	0.05218	0.00554	0.03	170.73	16.33	16.19	162.00	4.44	4.44	293.51	251.91	233.73	162.00	4.44	4.44	206Pb/238U	90	175
124516az1_107	192	38	5.02	0.18344	0.02699	0.02569	0.00085	0.05179	0.00776	0.03	171.02	23.29	23.02	163.51	5.35	5.34	276.15	362.49	326.04	163.51	5.35	5.34	206Pb/238U	95	175
124516az1_108	249	58	4.27	0.17485	0.02035	0.02444	0.00062	0.05189	0.00614	0.02	163.62	17.66	17.51	155.65	3.89	3.89	280.57	282.68	260.01	155.65	3.89	3.89	206Pb/238U	103	175
124516az1_109	1180	294	4.02	0.17067	0.00954	0.02485	0.00045	0.04981	0.00284	0.07	160.00	8.29	8.25	158.23	2.82	2.82	186.36	135.62	130.21	158.23	2.82	2.82	206Pb/238U	81	175

Strikeouts indicate U-Pb age not used because of suspected Pb loss. See Supplemental File text

Uranium and Thorium			Concordant Scans: Isotopic Ratios								Concordant Scans: Ages (Ma)						Preferred Age (Ma)				Scans				
Spot	U (ppm)	Th (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Corr.	207Pb/ 235U Age	2 - sigma	2 + sigma	206Pb/ 238U Age	2 - sigma	2 + sigma	207Pb/ 206Pb Age	2 - sigma	2 + sigma	Preferred Age	2 - sigma	2 + sigma	Preferred Age from:	Concordant Scans	Total Scans
Foredeep sandstones																									
Sample TM-02 (Apatite to Zircon, Inc. 1003-02), Upper Nanushuk Formation (N68.86528°, W165.23053°)																									
1003_002_Zrn_c_01_1	273	131	2.08	0.23022	0.02115	0.03329	0.00092	0.05015	0.00452	0.19	210.38	17.53	17.38	211.13	5.76	5.76	202.02	216.41	202.94	211.13	5.76	5.76	206Pb/238U	28	34
1003_002_Zrn_c_01_2	144	112	1.28	0.50210	0.03135	0.06701	0.00244	0.05434	0.00338	0.26	413.12	21.30	21.08	418.11	14.75	14.74	385.36	143.00	136.92	418.11	14.75	14.74	206Pb/238U	27	34
1003_002_Zrn_c_01_3	134	90	1.48	0.33579	0.03238	0.04503	0.00198	0.05409	0.00501	0.30	293.97	24.77	24.47	283.92	12.22	12.21	374.60	215.71	202.18	283.92	12.22	12.21	206Pb/238U	18	34
1003_002_Zrn_c_01_4	196	390	0.50	0.27955	0.02486	0.03991	0.00131	0.05080	0.00448	0.18	250.30	19.83	19.63	252.28	8.15	8.15	231.84	210.25	197.49	252.28	8.15	8.15	206Pb/238U	25	34
1003_002_Zrn_c_01_5	316	145	2.19	0.24252	0.02043	0.03335	0.00108	0.05274	0.00445	0.16	220.48	16.77	16.63	211.50	6.76	6.76	317.49	197.55	186.18	211.50	6.76	6.76	206Pb/238U	24	34
1003_002_Zrn_c_01_6	196	328	0.60	0.31902	0.03430	0.04209	0.00128	0.05497	0.00583	0.17	281.15	26.58	26.24	265.78	7.95	7.94	411.08	246.29	228.76	265.78	7.95	7.94	206Pb/238U	26	34
1003_002_Zrn_c_01_7	306	118	2.59	0.36752	0.10699	0.04811	0.00130	0.05540	0.01611	0.05	317.81	81.04	77.93	302.93	8.00	8.00	428.37	723.56	590.29	302.93	8.00	8.00	206Pb/238U	34	34
1003_002_Zrn_c_01_8	260	189	1.38	0.45071	0.02947	0.05910	0.00191	0.05531	0.00342	0.33	377.77	20.73	20.52	370.14	11.61	11.59	424.87	141.02	135.09	370.14	11.61	11.59	206Pb/238U	24	34
1003_002_Zrn_c_01_9	250	272	0.92	0.36206	0.02607	0.04918	0.00179	0.05339	0.00374	0.28	313.75	19.53	19.34	309.50	11.00	10.99	345.51	162.39	154.62	309.50	11.00	10.99	206Pb/238U	23	34
1003_002_Zrn_c_01_10	123	61	2.02	0.38859	0.03530	0.05208	0.00169	0.05411	0.00488	0.17	333.34	25.98	25.65	327.28	10.36	10.35	375.79	209.79	196.97	327.28	10.36	10.35	206Pb/238U	24	34
1003_002_Zrn_c_01_11	266	118	2.25	0.52150	0.02622	0.06910	0.00189	0.05473	0.00254	0.39	426.16	17.57	17.42	430.74	11.42	11.41	401.41	105.45	102.11	430.74	11.42	11.41	206Pb/238U	24	34
1003_002_Zrn_c_01_12	216	355	0.61	0.30111	0.02602	0.04017	0.00154	0.05437	0.00473	0.18	267.26	20.41	20.20	253.88	9.54	9.54	386.27	201.47	189.61	253.88	9.54	9.54	206Pb/238U	23	34
1003_002_Zrn_c_01_13	183	198	0.93	0.34068	0.02839	0.04573	0.00160	0.05403	0.00452	0.17	297.69	21.62	21.39	288.25	9.84	9.83	372.42	193.98	182.97	288.25	9.84	9.83	206Pb/238U	26	34
1003_002_Zrn_c_01_14	168	242	0.69	0.27281	0.02843	0.04080	0.00140	0.04849	0.00503	0.16	244.94	22.81	22.56	257.79	8.70	8.70	123.45	246.90	235.43	257.79	8.70	8.70	206Pb/238U	18	34
1003_002_Zrn_c_01_15	195	86	2.27	0.29325	0.02096	0.04017	0.00112	0.05295	0.00374	0.19	261.11	16.52	16.39	253.88	6.96	6.96	326.49	164.33	156.38	253.88	6.96	6.96	206Pb/238U	22	34
1003_002_Zrn_c_01_16	147	101	1.45	0.48207	0.03196	0.06138	0.00233	0.05696	0.00369	0.30	399.50	22.01	21.78	384.01	14.17	14.16	490.08	146.27	139.87	384.01	14.17	14.16	206Pb/238U	26	34
1003_002_Zrn_c_01_17	182	262	0.70	0.21784	0.04468	0.02626	0.00152	0.06017	0.01251	0.08	200.11	37.60	36.91	167.07	9.54	9.53	609.86	484.47	420.27	167.07	9.54	9.53	206Pb/238U	9	34
1003_002_Zrn_c_01_18	221	78	2.85	0.12218	0.01918	0.01821	0.00083	0.04867	0.00751	0.20	117.04	17.42	17.28	116.31	5.24	5.24	131.93	263.86	343.90	116.31	5.24	5.24	206Pb/238U	22	34
1003_002_Zrn_c_01_19	89	55	1.62	0.30262	0.04726	0.04083	0.00160	0.05376	0.00832	0.15	268.44	37.18	36.51	257.95	9.94	9.93	360.99	369.62	331.60	257.95	9.94	9.93	206Pb/238U	18	34
1003_002_Zrn_c_01_20	161	79	2.04	0.34696	0.03976	0.04577	0.00188	0.05498	0.00616	0.23	302.43	30.20	29.75	288.50	11.58	11.57	411.37	260.94	241.35	288.50	11.58	11.57	206Pb/238U	21	34
1003_002_Zrn_c_01_21	136	119	1.14	0.37934	0.04271	0.04636	0.00284	0.05935	0.00709	0.14	326.55	31.69	31.20	292.12	17.53	17.51	579.86	270.60	249.38	292.12	17.53	17.51	206Pb/238U	13	34
1003_002_Zrn_c_01_22	164	77	2.12	0.35989	0.02843	0.04803	0.00179	0.05434	0.00427	0.22	312.13	21.34	21.12	302.42	11.02	11.01	385.26	181.53	171.85	302.42	11.02	11.01	206Pb/238U	20	34
1003_002_Zrn_c_01_23	90	41	2.18	0.58906	0.05575	0.07604	0.00276	0.05618	0.00534	0.15	470.27	35.94	35.32	472.44	16.54	16.52	459.68	218.07	204.18	472.44	16.54	16.52	206Pb/238U	20	34
1003_002_Zrn_c_01_24	165	77	2.14	0.24904	0.03330	0.03466	0.00164	0.05211	0.00685	0.22	225.80	27.25	26.89	219.67	10.25	10.24	290.15	314.89	286.99	219.67	10.25	10.24	206Pb/238U	14	34
1003_002_Zrn_c_01_25	131	39	3.40	0.53360	0.03492	0.07070	0.00210	0.05474	0.00351	0.23	434.20	23.25	22.99	440.39	12.65	12.64	401.46	147.14	140.70	440.39	12.65	12.64	206Pb/238U	25	34
1003_002_Zrn_c_01_26	167	72	2.31	0.26263	0.04553	0.03517	0.00234	0.05417	0.00927	0.22	236.79	36.95	36.29	222.79	14.58	14.57	378.01	409.86	363.58	222.79	14.58	14.57	206Pb/238U	11	34
1003_002_Zrn_c_01_27	144	192	0.75	5.28553	0.18962	0.33631	0.00867	0.11399	0.00343	0.55	1866.53	30.87	30.40	1868.87	41.89	41.75	186								

1245_017_Zrn_a_01_20	26	20	1.30	5.01120	0.30759	0.33121	0.01962	0.10973	0.00614	0.55	1821.22	52.63	51.30	1844.25	95.35	94.65	1794.98	103.69	100.20	1821.22	52.63	51.30	207Pb/235U	31	34
1245_017_Zrn_a_01_21	152	287	0.53	0.31227	0.04201	0.04050	0.00161	0.05592	0.00737	0.21	275.94	32.77	32.25	255.94	9.99	9.98	449.12	307.11	280.26	255.94	9.99	9.98	206Pb/238U	24	34
1245_017_Zrn_a_01_22	165	82	2.02	0.33831	0.02561	0.04516	0.00147	0.05434	0.00400	0.25	295.89	19.53	19.34	284.71	9.04	9.04	385.07	169.85	161.34	284.71	9.04	9.04	206Pb/238U	22	34
1245_017_Zrn_a_01_23	169	92	1.84	0.34537	0.03001	0.04938	0.00194	0.05073	0.00421	0.31	301.23	22.78	22.52	310.70	11.95	11.94	228.47	197.51	186.21	310.70	11.95	11.94	206Pb/238U	23	34
1245_017_Zrn_a_01_24	72	51	1.40	0.53081	0.07275	0.07006	0.00560	0.05495	0.00656	0.50	432.35	48.84	47.69	436.52	33.80	33.71	410.17	278.77	256.52	436.52	33.80	33.71	206Pb/238U	22	34
1245_017_Zrn_a_01_25	104	46	2.24	0.33068	0.04017	0.04336	0.00188	0.05532	0.00649	0.27	290.08	30.89	30.42	273.60	11.61	11.60	425.07	272.95	251.57	273.60	11.61	11.60	206Pb/238U	28	34
1245_017_Zrn_a_01_26	114	118	0.96	0.30020	0.02976	0.04127	0.00177	0.05275	0.00513	0.25	266.56	23.38	23.11	260.71	10.95	10.94	318.22	228.85	213.72	260.71	10.95	10.94	206Pb/238U	23	34
1245_017_Zrn_a_01_27	113	33	3.45	5.60554	0.23351	0.34387	0.01221	0.11823	0.00417	0.56	1916.95	36.22	35.58	1905.28	58.68	58.41	1929.60	63.89	62.54	1916.95	36.22	35.58	207Pb/235U	31	34
1245_017_Zrn_a_01_28	103	12	8.36	0.77419	0.04798	0.09618	0.00449	0.05838	0.00336	0.45	582.17	27.64	27.27	591.97	26.45	26.40	544.10	128.16	123.21	591.97	26.45	26.40	206Pb/238U	25	34
1245_017_Zrn_a_01_29	103	93	1.10	0.31424	0.03582	0.04296	0.00170	0.05305	0.00621	0.07	277.46	27.86	27.49	271.15	10.49	10.48	331.00	276.78	254.94	271.15	10.49	10.48	206Pb/238U	19	34
1245_017_Zrn_a_01_30	51	76	0.68	0.54499	0.05740	0.06718	0.00341	0.05884	0.00608	0.27	441.71	38.08	37.38	419.14	20.59	20.55	561.07	233.38	217.44	419.14	20.59	20.55	206Pb/238U	23	34

Sample 03CP-25 (Apatite to Zircon, Inc. 526-09): Okpikruak Formation, Iqnavik River allochthon (N68.33881°, W161.60581°)

526_009_Zrn_b_01_1	88	99	0.89	0.42327	0.03840	0.05574	0.00228	0.05507	0.00488	0.26	358.39	27.58	27.21	349.69	13.96	13.94	415.10	204.19	191.99	349.69	13.96	13.94	206Pb/238U	27	34
526_009_Zrn_b_01_2	159	94	1.69	0.41392	0.03251	0.05349	0.00198	0.05612	0.00446	0.17	351.70	23.49	23.22	335.92	12.11	12.10	457.24	181.39	171.67	335.92	12.11	12.10	206Pb/238U	28	34
526_009_Zrn_b_01_3	283	143	1.98	0.40758	0.02688	0.05491	0.00259	0.05384	0.00318	0.48	347.13	19.48	19.30	344.58	15.86	15.84	364.23	135.98	130.48	344.58	15.86	15.84	206Pb/238U	24	34
526_009_Zrn_b_01_4	58	49	1.18	0.47773	0.04772	0.05907	0.00281	0.05866	0.00579	0.24	396.51	33.06	32.53	369.96	17.09	17.07	554.38	223.06	208.47	369.96	17.09	17.07	206Pb/238U	20	34
526_009_Zrn_b_01_6	142	118	1.20	0.41727	0.04322	0.05288	0.00214	0.05723	0.00579	0.24	354.09	31.20	30.73	332.19	13.11	13.09	500.30	230.89	215.34	332.19	13.11	13.09	206Pb/238U	21	34
526_009_Zrn_b_01_7	185	127	1.46	0.61244	0.04386	0.07787	0.00239	0.05704	0.00394	0.27	485.10	27.81	27.44	483.37	14.29	14.28	493.25	155.84	148.60	483.37	14.29	14.28	206Pb/238U	28	34
526_009_Zrn_b_01_9	135	83	1.62	0.40956	0.03530	0.05557	0.00190	0.05346	0.00451	0.22	348.56	25.59	25.27	348.62	11.62	11.61	348.16	196.80	185.49	348.62	11.62	11.61	206Pb/238U	26	34
526_009_Zrn_b_01_10	111	68	1.65	0.43482	0.03654	0.05933	0.00230	0.05315	0.00455	0.15	366.59	26.02	25.69	371.58	14.03	14.02	335.18	200.18	188.50	371.58	14.03	14.02	206Pb/238U	25	34
526_009_Zrn_b_01_11	194	134	1.45	0.41589	0.02516	0.05544	0.00172	0.05441	0.00313	0.32	353.11	18.12	17.96	347.82	10.49	10.48	388.02	131.79	126.61	347.82	10.49	10.48	206Pb/238U	30	34
526_009_Zrn_b_01_12	221	219	1.01	0.50542	0.02465	0.06416	0.00184	0.05714	0.00265	0.33	415.36	16.69	16.56	400.85	11.17	11.16	496.82	103.72	100.46	400.85	11.17	11.16	206Pb/238U	26	34
526_009_Zrn_b_01_13	182	90	2.04	0.45682	0.03676	0.06087	0.00255	0.05443	0.00399	0.42	382.05	25.78	25.46	380.91	15.50	15.49	388.91	168.82	160.41	380.91	15.50	15.49	206Pb/238U	25	34
526_009_Zrn_b_01_14	126	84	1.50	1.25974	0.07361	0.13709	0.00428	0.06664	0.00374	0.30	827.79	33.35	32.81	828.21	24.28	24.23	826.67	119.33	114.95	828.21	24.28	24.23	206Pb/238U	29	34
526_009_Zrn_b_01_15	111	73	1.52	0.47931	0.03391	0.06453	0.00310	0.05387	0.00381	0.31	397.60	23.41	23.14	403.13	18.76	18.73	365.55	163.47	155.58	403.13	18.76	18.73	206Pb/238U	23	34
526_009_Zrn_b_01_16	106	77	1.37	0.40655	0.04840	0.05398	0.00220	0.05462	0.00638	0.21	346.39	35.25	34.64	338.93	13.46	13.45	396.75	273.24	251.85	338.93	13.46	13.45	206Pb/238U	23	34
526_009_Zrn_b_01_17	29	28	1.04	1.47588	0.17795	0.14423	0.00728	0.07422	0.00854	0.31	920.54	74.32	71.70	868.54	41.06	40.93	1047.33	241.20	223.74	868.54	41.06	40.93	206Pb/238U	25	34
526_009_Zrn_b_01_18	164	123	1.33	0.37166	0.02124	0.05214	0.00190	0.05170	0.00269	0.43	320.88	15.79	15.67	327.64	11.67	11.66	272.13	121.39	117.02	327.64	11.67	11.66	206Pb/238U	24	34
526_009_Zrn_b_01_19	141	69	2.04	0.40039	0.05224	0.05410	0.00190	0.05367	0.00691	0.17	341.93	38.24	37.53	339.65	11.64	11.63	357.43	304.28	278.05	339.65	11.64	11.63	206Pb/238U	31	34
526_009_Zrn_b_01_20	136	112	1.21	0.44848	0.03502	0.05687	0.00207	0.05719	0.00444	0.21	376.22	24.70	24.40	356.58	12.61	12.60	498.96	175.69	166.54	356.58	12.61	12.60	206Pb/238U	30	34
526_009_Zrn_b_01_21	151	125	1.21	0.42533	0.03567	0.05384	0.00185	0.05730	0.00463	0.27	359.86	25.57	25.25	338.05	11.30	11.30	502.95	183.05	173.14	338.05	11.30	11.30	206Pb/238U	27	34
526_009_Zrn_b_01_22	136	59	2.31	0.38785	0.03707	0.05216	0.00157	0.05393	0.00513	0.14	332.80	27.31	26.94	327.77	9.62	9.61	368.07	221.75	207.48	327.77	9.62	9.61	206Pb/238U	30	34
526_009_Zrn_b_01_23	70	67	1.05	0.43536	0.04936	0.05370	0.00229	0.05880	0.00648	0.25	366.97	35.22	34.62	337.21	14.00	13.99	559.57	249.89	231.71	337.21	14.00	13.99	206Pb/238U	17	34
526_009_Zrn_b_01_24	106	40	2.64	0.94434	0.09263	0.09593	0.00380	0.07140	0.00678	0.27	675.15	48.96	47.81	590.49	22.38	22.34	968.86	200.02	187.92	590.49	22.38	22.34	206Pb/238U	24	34
526_009_Zrn_b_01_25	110	65	1.71	5.00481	0.22205	0.31529	0.01212	0.11513	0.00355	0.72	1820.14	37.90	37.21	1766.67	59.53	59.25	1881.89	56.12	55.08	1820.14	37.90	37.21	207Pb/235U	25	34
526_009_Zrn_b_01_26	74	50	1.46	0.46580	0.04377	0.06249	0.00218	0.05406	0.00512	0.13	388.29	30.55	30.10	390.76	13.26	13.25	373.56	220.56	206.43	390.76	13.26	13.25	206Pb/238U	27	34
526_009_Zrn_b_01_27	135	69	1.97	0.37919	0.04071	0.05337	0.00155	0.05153	0.00549	0.14	326.44	30.20	29.76	335.16	9.50	9.49	264.71	254.09	235.65	335.16	9.50	9.49	206Pb/238U	30	34
526_009_Zrn_b_01_28	166	55	3.03	0.45681	0.04419	0.05742	0.00186	0.05770	0.00550	0.19	382.04	31.04	30.57	359.91	11.33	11.32	518.40	216.49	202.74	359.91	11.33	11.32	206Pb/238U	26	34
526_009_Zrn_b_01_29	149	76	1.95	0.37697	0.02690	0.05216	0.00192	0.05242	0.00380	0.18	324.80	19.94	19.74	327.77	11.77	11.76	303.58	169.45	161.02	327.77	11.77	11.76	206Pb/238U	17	34
526_009_Zrn_b_01_30	84	60	1.41	1.22996	0.05964	0.13238	0.00445	0.06739	0.00304	0.40	814.32	27.34	26.98	801.43	25.34	25.29	849.71	95.29	92.48	801.43	25.34	25.29	206Pb/238U	24	34

Unit Jw sandstones

Sample 06TM-08 (Apatite to Zircon, Inc. 782-08a); Unit Jw, Copter Peak or Misheguk Mountains allochthon (N68.10100°, W161.54469°)

782-08a2_2	228	48	4.76	0.29913	0.10958	0.02984	0.00372	0.07270	0.02646	0.19	265.72	87.50	83.89	189.55	23.30	23.25	1005.66	842.60	662.06	189.55	23.30	23.25	206Pb/238U	6	45
782-08a2_3	110	31	3.53	0.16987	0.01563	0.02357	0.00092	0.05226	0.00505	0.07	159.30	13.61	13.52	150.19	5.77	5.77	296.96	228.30	213.27	150.19	5.77	5.77	206Pb/238U	36	46
782-08a2_5	78	16	4.77	0.17087	0.02832	0.02477	0.00097	0.05004	0.00830	0.11	160.17	24.71	24.41	157.70	6.13	6.13	196.85	393.70	364.03	157.70	6.13	6.13	206Pb/238U	37	45
782-08a2_6	132	28	4.78	0.17380	0.02326	0.02452	0.00096	0.05142	0.00687	0.14	162.72	20.22	20.02	156.13	6.07	6.06	259.63	322.13	293.05	156.13	6.07	6.06	206Pb/238U	38	45
782-08a2_7	167	41	4.04	0.17340	0.01932	0.02555	0.00088	0.04923	0.00549	0.14	162.36	16.79	16.65	162.62	5.53	5.52	158.65	271.95	251.06	162.62	5.53	5.52	206Pb/238U	37	45
782-08a2_8	1519	665	2.28	0.14672	0.00770	0.02178	0.00071	0.04885	0.00221	0.51	139.01	6.83	6.80	138.92	4.47	4.47	140.54	108.11	104.66	138.92	4.47	4.47	206Pb/238U	34	45
782-08a2_9	165	38	4.37	0.17982	0.02008	0.02565	0.00104	0.05084	0.00555	0.23	167.90	17.36	17.21	163.29	6.52	6.51	233.40	262.36	242.78	163.29	6.52	6.51	206Pb/238U	30	45
782-08a2_10	1500	601	2.49	0.14110	0.00708	0.02109	0.00054	0.04852	0.00228	0.35	134.02	6.31	6.29	134.54	3.39	3.39	124.90	112.72	108.97	134.54	3.39	3.39	206Pb/238U	42	45
782-08a2_11	63	8	8.25	0.16773	0.02222	0.02337	0.00150	0.05204	0.00706	0.18	157.44	19.42	19.23	148.95	9.46	9.45	287.26	325.97	296.18	148.95	9.46	9.45	206Pb/238U	36	45
782-08a2_12	1428	654	2.18	0.15076	0.00674	0.02226	0.00061	0.04911	0.00197	0.45	142.58	5.96	5.94	141.95	3.83	3.83	153.11	95.10	92.41	141.95	3.83	3.83	206Pb/238U	35	45
782-08a2_13	129	39	3.35	0.53835	0.03434	0.06969	0.00245	0.05603	0.00370	0.18	437.34	22.79	22.54	434.27	14.75	14.73	453.54	149.86	143.17	434.27	14.75	14.73	206Pb/238U	36	45
782-08a2_14	609	389	1.57	0.14507	0.00762	0.02108	0.00065	0.04990	0.00233	0.46	137.55	6.77	6.75	134.50	4.08	4.08	190.45	110.67	107.04	134.50	4.08	4.08	206Pb/238U	32	45
782-08a2_15	120	18	6.60	0.17383	0.02723	0.02353	0.00090	0.05357	0.00845	0.08	162.73	23.69	23.42	149.95	5.70	5.70	353.05	377.60	338.03	149.95	5.70	5.70	206Pb/238U	43	45
782-08a2_16	719	321	2.24	0.15329	0.00851	0.02328	0.00064	0.04775	0.00251	0.33	144.81	7.50	7.48	148.38	4.00	4.00	86.71	126.94	122.21	148.38	4.00	4.00	206Pb/238U	28	45
782-08a2_17	83	68	1.23	0.24121	0.08134	0.02520	0.00172	0.06942	0.02352	0.08	219.41	67.65	65.47	160.43	10.80	10.79	911.38	788.64	629.04	160.43	10.80	10.79	206Pb/238U	10	45
782-08a2_19	8	19	0.41	1.29579	2.51749	0.03668	0.06336	0.25624	0.43268	0.58	843.86	1613.85	887.74	232.20	400.15	388.10	3223.74	6447.47	1868.28	3223.74	6447.47	1868.28	207Pb/206Pb	4	45
782-08a2_18	296	71	4.18	0.15785	0.01442	0.02286	0.00148	0.05007	0.00393	0.53	148.82	12.68	12.60	145.73	9.33	9.33	198.35	187.66	177.45	145.73	9.33	9.33	206Pb/238U	27	46
782-08a2_20	207	36	5.75	0.20091	0.02517	0.02577	0.00142	0.05654	0.00700	0.24	185.90	21.39	21.17	164.03	8.93	8.93	473.66	286.07	262.60	164.03	8.93	8.93	206Pb/238U	21	45
782-08a2_21	1809	796	2.27	0.14862	0.00671	0.02151	0.00063	0.05012	0.00189	0.55	140.69	5.94	5.93	137.17	3.95	3.95	200.39	88.92	86.56	137.17	3.95	3.95	206Pb/238U	35	45
782-08a2_22	117	19	6.11	0.19402	0.02555	0.02612	0.00098	0.05388	0.00709	0.13	180.05	21.84	21.61	166.20	6.16	6.16	365.95	311.04	283.67	166.20	6.16	6.16	206Pb/238U	36	45
782-08a2_23	1601	758	2.11	0.15109	0.00642	0.02219	0.00070	0.04938	0.00185	0.50	142.88	5.67	5.65	141.50	4.43	4.42	165.81	88.81	86.46	141.50	4.43	4.42	206Pb/238U	41	45
782-08a2_24	1415	447	3.17	0.15534	0.00649	0.02264	0.00063	0.04977	0.00193	0.41	146.62	5.71	5.69	144.32	3.98	3.98	184.04	91.56	89.06	144.32	3.98	3.98	206Pb/238U	42	45
782-08a2_25	1512	619	2.44	0.15452	0.00575	0.02293	0.00053	0.04887	0.00160	0.47	145.89	5.06	5.05	146.16	3.37	3.37	141.46	77.83	76.02	146.16	3.37	3.37	206Pb/238U	43	45
782-08a2_26	166	35	4.74	0.18561	0.02057	0.02526	0.00104	0.05329	0.00585	0.20	172.88	17.70	17.54	160.82	6.51	6.51	341.29	258.67	239.49	160.82	6.51	6.51	206Pb/238U	32	45
782-08a2_27	175	25	6.89	0.20642	0.01892	0.02844	0.00084	0.05265	0.00486	0.11	190.55	15.98	15.86	180.76	5.29	5.29	313.60	217.29	203.61	180.76	5.29	5.29	206Pb/238U	37	45
782-08a2_28	194	70	2.77	0.21055	0.01885	0.02903	0.00104	0.05260	0.00450	0.30	194.01	15.87	15.75	184.48	6.49	6.49	311.56	200.83	189.10	184.48	6.49	6.49	206Pb/238U	39	45
782-08a2_30	1327	580	2.29	0.15671	0.00646	0.02310	0.00071	0.04920	0.00183	0.47	147.82	5.68	5.66	147.23	4.49	4.49	157.28	88.19	85.88	147.23	4.49	4.49	206Pb/238U	41	45
782-08a2_31	1229	499	2.46	0.14631	0.00727	0.02120	0.00067	0.05006	0.00221	0.47	138.65	6.45	6.43	135.22	4.21	4.21	197.86	104.26	101.03	135.22	4.21	4.21	206Pb/238U	34	46
782-08a2_34	132	45	2.95	0.21012	0.02338	0.02708	0.00130	0.05628	0.00626	0.21	193.65	19.72	19.53	172.24	8.17	8.17	463.30	256.63	237.59	172.24	8.17	8.17	206Pb/238U	30	45
782-08a2_35	194	95	2.04	6.47379	0.69271	0.36850	0.03777	0.12742	0.00558	0.91	2042.34	96.36	92.00	2022.32	179.17	176.72	2062.62	78.24	76.21	2062.62	78.24	76.21	207Pb/206Pb	19	45
782-08a2_36	91	25	3.61	0.18111	0.03237	0.02316	0.00124	0.05671	0.01028	0.09	169.02	28.02	27.64	147.61	7.81	7.80	480.36	427.87	377.38	147.61	7.81	7.80	206Pb/238U	31	45
782-08a2_37	415	32	12.88	0.16385	0.00922	0.02289	0.00062	0.05191	0.00287	0.25	154.07	8.06	8.02	145.92	3.90	3.90	281.33	128.93	124.00	145.92	3.90	3.90	206Pb/238U	39	45
782-08a2_38	43	10	4.27	0.24314	0.12562	0.02345	0.00499	0.07518	0.04044	0.10	220.99	105.29	100.10	149.45	31.46	31.38	1073.40	1325.27	925.25	149.45	31.46	31.38	206Pb/238U	12	45
782-08a2_39	700	197	3.56	0.14789	0.00789	0.02107	0.00076	0.05091	0.00252	0.42	140.05	6.99	6.96	134.42	4.81	4.81	236.55	116.20	112.20	134.42	4.81	4.81	206Pb/238U	41	46
782-08a2_41	269	45	5.96	0.18546	0.01983	0.02598	0.00088	0.05178	0.00550	0.17	172.75	17.05	16.91	165.32	5.56	5.56	275.77	252.85	234.56	165.32	5.56	5.56	206Pb/238U	29	45
782-08a2_42	439	110	3.99	0.18012	0.01062	0.02607	0.00064	0.05010	0.00287	0.25	168.16	9.16	9.12	165.92	4.05	4.05	199.81	135.95	130.51	165.92	4.05	4.05	206Pb/238U	39	45
782-08a2_43	1309	602	2.18	0.15215	0.00628	0.02214	0.00055	0.04985	0.00190	0.39	143.81	5.54	5.53	141.14	3.44	3.44	187.98	90.03	87.61	141.14	3.44	3.44	206Pb/238U	44	45
782-08a2_44	121	51	2.38	0.16668	0.02919	0.02308	0.00088	0.05237	0.00919	0.10	156.54	25.57	25.25	147.11	5.58	5.57	301.65	426.74	377.02	147.11	5.58	5.57	206Pb/238U	24	45
782-08a2_45	94	22	4.37	0.21424	0.03325	0.02782	0.00115	0.05585	0.00867	0.12	197.11	27.99	27.61	176.90	7.21	7.21	446.46	364.90	327.61	176.90	7.21	7.21	206Pb/238U	39	45
782-08a2_47	728	442	1.65	0.14945	0.01013	0.02194	0.00052	0.04941	0.00334	0.16	141.43	8.97	8.93	139.89	3.30	3.30	167.34	161.69	154.07	139.89	3.30	3.30	206Pb/238U	36	45
782-08a2_48	147	60	2.46	0.20850	0.01676	0.02786	0.00082	0.05427	0.00440	0.13	192.29	14.13	14.03	177.16	5.15	5.14	382.35	187.59	177.27	177.16	5.15	5.14	206Pb/238U	38	45
782-08a2_49	138	27	5.09	0.17927	0.02016	0.02640	0.00083	0.04925	0.00559	0.09	167.44	17.43	17.28	167.99	5.23	5.23	159.58	276.92	255.29	167.99	5.23	5.23	206Pb/238U	40	45
782-08a2_50	131	29	4.56	0.18120	0.02299	0.02524	0.00090	0.05206	0.00665	0.11	169.09	19.86	19.67	160.71	5.65	5.64	288.04	305.66	279.31	160.71	5.65	5.64	206Pb/238U	23	45
782-08a2_51	1617	647	2.50	0.15075	0.00651	0.02214	0.00060	0.04939	0.00191	0.45	142.58	5.75	5.73	141.16	3.76	3.76	166.17	91.56	89.07	141.16	3.76	3.76	206Pb/238U	31	46
782-08a2_54	102	25	4.11	0.18781	0.01973	0.02491	0.00115	0.05469	0.00597	0.11	174.76	16.93	16.79	158.60	7.23	7.22	399.46	254.58	235.91	158.60	7.				

782-08a2_55	285	191	1.50	1.17038	0.04156	0.12763	0.00248	0.06651	0.00226	0.30	786.82	19.54	19.35	774.34	14.20	14.19	822.39	71.70	70.09	774.34	14.20	14.19	206Pb/238U	42	46
782-08a2_56	863	1202	0.72	0.17456	0.03036	0.02405	0.00060	0.05264	0.00917	0.04	163.37	26.41	26.07	153.21	3.80	3.80	313.29	422.85	373.95	453.21	3.80	3.80	206Pb/238U	12	45
782-08a2_57	137	36	3.85	0.26287	0.16295	0.02346	0.00201	0.08126	0.05070	0.02	236.98	135.43	126.96	149.50	12.69	12.68	1227.69	1557.96	1029.05	149.50	12.69	12.68	206Pb/238U	7	45
782-08a2_58	374	90	4.15	0.18384	0.01405	0.02594	0.00074	0.05141	0.00388	0.20	171.36	12.09	12.02	165.06	4.67	4.67	259.25	178.04	168.79	165.06	4.67	4.67	206Pb/238U	37	46
782-08a2_59	146	48	3.05	0.16986	0.02060	0.02420	0.00084	0.05090	0.00614	0.15	159.30	17.96	17.81	154.16	5.30	5.30	236.47	291.04	267.13	154.16	5.30	5.30	206Pb/238U	31	45
782-08a2_60	113	26	4.29	0.20006	0.02516	0.02697	0.00133	0.05381	0.00695	0.12	185.18	21.40	21.17	171.53	8.35	8.34	363.03	305.10	278.73	171.53	8.35	8.34	206Pb/238U	23	45
782-08a2_61	1250	507	2.46	0.15240	0.00636	0.02273	0.00066	0.04862	0.00177	0.50	144.03	5.61	5.60	144.91	4.19	4.19	129.57	86.78	84.54	144.91	4.19	4.19	206Pb/238U	35	45
782-08a2_62	128	34	3.72	0.17350	0.02039	0.02411	0.00087	0.05218	0.00607	0.18	162.45	17.72	17.56	153.60	5.49	5.48	293.38	276.97	255.16	153.60	5.49	5.48	206Pb/238U	42	45
782-08a2_63	240	260	0.92	1.17163	0.04231	0.13155	0.00306	0.06459	0.00200	0.51	787.41	19.88	19.69	796.73	17.45	17.43	761.09	65.98	64.63	796.73	17.45	17.43	206Pb/238U	46	46
782-08a2_64	268	66	4.07	0.17155	0.01211	0.02399	0.00074	0.05186	0.00359	0.24	160.77	10.52	10.47	152.85	4.63	4.63	279.04	162.63	154.86	152.85	4.63	4.63	206Pb/238U	40	45
782-08a2_65	1861	891	2.09	0.14731	0.00510	0.02175	0.00047	0.04912	0.00155	0.42	139.54	4.52	4.51	138.72	2.95	2.95	153.47	74.73	73.07	138.72	2.95	2.95	206Pb/238U	41	46
782-08a2_66	137	29	4.65	0.18562	0.02604	0.02543	0.00095	0.05294	0.00744	0.11	172.89	22.42	22.18	161.90	5.97	5.96	326.04	336.01	304.36	161.90	5.97	5.96	206Pb/238U	39	46
782-08a2_67	549	249	2.21	0.15361	0.01327	0.02314	0.00114	0.04815	0.00369	0.47	145.10	11.71	11.64	147.45	7.16	7.15	106.83	186.39	176.37	147.45	7.16	7.15	206Pb/238U	30	45
782-08a2_68	114	22	5.11	0.18570	0.02228	0.02599	0.00104	0.05182	0.00629	0.12	172.95	19.17	18.99	165.41	6.55	6.54	277.48	290.52	266.64	165.41	6.55	6.54	206Pb/238U	32	45
782-08a2_69	158	31	5.14	0.47195	0.03026	0.06409	0.00188	0.05341	0.00327	0.31	392.53	20.98	20.77	400.44	11.41	11.40	346.22	141.67	135.72	400.44	11.41	11.40	206Pb/238U	42	45
782-08a2_70	1362	645	2.11	0.14984	0.00666	0.02200	0.00050	0.04939	0.00204	0.37	141.77	5.89	5.87	140.31	3.12	3.12	166.22	97.99	95.14	140.31	3.12	3.12	206Pb/238U	38	46
782-08a2_72	2127	1028	2.07	0.14761	0.00591	0.02179	0.00049	0.04913	0.00180	0.41	139.80	5.24	5.22	138.97	3.08	3.08	153.92	86.78	84.54	138.97	3.08	3.08	206Pb/238U	21	46
782-08a2_73	500	308	1.62	0.14750	0.01034	0.02092	0.00053	0.05114	0.00350	0.23	139.71	9.17	9.13	133.46	3.34	3.34	247.13	161.44	153.80	133.46	3.34	3.34	206Pb/238U	35	46
782-08a2_75	158	39	4.01	0.17704	0.02095	0.02514	0.00076	0.05108	0.00607	0.10	165.51	18.15	17.99	160.04	4.78	4.78	244.45	285.92	262.80	160.04	4.78	4.78	206Pb/238U	42	45
782-08a2_76	90	25	3.67	0.17346	0.01802	0.02447	0.00088	0.05140	0.00540	0.13	162.42	15.66	15.54	155.88	5.54	5.53	258.89	250.80	232.82	155.88	5.54	5.53	206Pb/238U	37	45
782-08a2_77	2127	993	2.14	0.14886	0.00494	0.02178	0.00054	0.04957	0.00167	0.28	140.90	4.37	4.36	138.90	3.40	3.40	174.86	79.77	77.87	138.90	3.40	3.40	206Pb/238U	24	46
782-08a2_78	84	21	4.06	0.20731	0.04347	0.02388	0.00100	0.06296	0.01327	0.07	191.30	36.90	36.24	152.14	6.30	6.29	706.84	483.23	419.00	152.14	6.30	6.29	206Pb/238U	27	46
782-08a2_79	1632	657	2.48	0.14555	0.00480	0.02155	0.00048	0.04898	0.00149	0.40	137.98	4.26	4.25	137.45	3.04	3.04	147.05	72.29	70.73	137.45	3.04	3.04	206Pb/238U	44	46
782-08a2_80	331	93	3.57	0.17411	0.01144	0.02436	0.00095	0.05183	0.00319	0.39	162.98	9.92	9.87	155.17	5.96	5.95	277.98	144.14	138.00	155.17	5.96	5.95	206Pb/238U	28	46
782-08a2_82	651	191	3.40	0.14364	0.02496	0.01964	0.00197	0.05305	0.00894	0.34	136.29	22.28	22.04	125.36	12.48	12.46	331.11	406.57	361.12	125.36	12.48	12.46	206Pb/238U	7	46
782-08a2_83	243	111	2.20	5.82939	0.20625	0.34239	0.01112	0.12348	0.00289	0.75	1950.79	30.90	30.44	1898.18	53.50	53.28	2007.10	41.86	41.27	1950.79	30.90	30.44	207Pb/235U	24	46
782-08a2_84	1311	568	2.31	0.15696	0.01215	0.02225	0.00087	0.05117	0.00371	0.37	148.04	10.69	10.64	141.83	5.46	5.46	248.68	171.33	162.75	141.83	5.46	5.46	206Pb/238U	17	45
782-08a2_85	1731	737	2.35	0.14616	0.00672	0.02145	0.00056	0.04943	0.00213	0.37	138.52	5.97	5.95	136.79	3.51	3.51	168.28	102.15	99.06	136.79	3.51	3.51	206Pb/238U	26	46
782-08a2_86	547	230	2.38	0.16404	0.00952	0.02376	0.00062	0.05006	0.00280	0.28	154.23	8.33	8.29	151.40	3.93	3.93	198.00	132.78	127.58	151.40	3.93	3.93	206Pb/238U	41	45
782-08a2_87	2524	1227	2.06	0.16154	0.00583	0.02353	0.00068	0.04979	0.00137	0.65	152.05	5.10	5.09	149.94	4.31	4.31	184.97	64.63	63.38	149.94	4.31	4.31	206Pb/238U	39	46
782-08a2_88	83	29	2.83	0.18845	0.03259	0.02409	0.00133	0.05673	0.00990	0.12	175.30	28.03	27.65	153.46	8.40	8.39	481.21	410.86	364.09	153.46	8.40	8.39	206Pb/238U	27	46
782-08a2_89	1768	937	1.89	0.14824	0.00628	0.02158	0.00068	0.04981	0.00185	0.51	140.36	5.56	5.54	137.66	4.28	4.28	186.13	87.49	85.20	137.66	4.28	4.28	206Pb/238U	39	46
782-08a2_90	227	54	4.20	0.17315	0.01473	0.02525	0.00072	0.04973	0.00416	0.20	162.15	12.79	12.71	160.78	4.55	4.55	182.25	200.92	189.27	160.78	4.55	4.55	206Pb/238U	39	45
782-08a2_91	1733	699	2.48	0.14478	0.00526	0.02142	0.00053	0.04902	0.00166	0.39	137.30	4.67	4.66	136.64	3.33	3.33	148.69	80.54	78.60	136.64	3.33	3.33	206Pb/238U	39	45
782-08a2_92	1822	834	2.18	0.14752	0.00472	0.02180	0.00049	0.04908	0.00141	0.45	139.72	4.18	4.17	139.03	3.11	3.11	151.52	68.24	66.85	139.03	3.11	3.11	206Pb/238U	34	45
782-08a2_93	1125	735	1.53	0.14851	0.00672	0.02175	0.00049	0.04953	0.00215	0.29	140.59	5.95	5.93	138.69	3.06	3.06	172.82	103.08	99.93	138.69	3.06	3.06	206Pb/238U	39	45
782-08a2_94	1284	336	3.83	0.16203	0.00642	0.02371	0.00056	0.04956	0.00188	0.32	152.48	5.62	5.60	151.06	3.50	3.50	174.61	89.81	87.41	151.06	3.50	3.50	206Pb/238U	37	46
782-08a2_95	308	66	4.64	0.16463	0.09280	0.02554	0.00083	0.04674	0.02636	0.02	154.75	82.56	79.34	162.60	5.20	5.20	36.15	72.30	1129.44	162.60	5.20	5.20	206Pb/238U	36	46
782-08a2_96	540	207	2.61	0.17010	0.00782	0.02492	0.00059	0.04952	0.00226	0.23	159.51	6.80	6.77	158.65	3.72	3.72	172.30	108.09	104.63	158.65	3.72	3.72	206Pb/238U	32	45
782-08a2_97	1059	695	1.52	0.15686	0.00703	0.02273	0.00056	0.05005	0.00214	0.32	147.95	6.18	6.16	144.88	3.52	3.52	197.54	100.93	97.90	144.88	3.52	3.52	206Pb/238U	21	45
782-08a2_98	241	57	4.21	0.19111	0.01566	0.02714	0.00083	0.05107	0.00427	0.11	177.58	13.39	13.30	172.64	5.19	5.19	243.84	198.33	186.93	172.64	5.19	5.19	206Pb/238U	44	45
782-08a2_99	168	45	3.69	0.17762	0.01924	0.02555	0.00079	0.05041	0.00541	0.16	166.01	16.66	16.52	162.65	5.00	4.99	214.16	258.71	239.67	162.65	5.00	4.99	206Pb/238U	37	46
782-08a2_100	1490	654	2.28	0.15056	0.00644	0.02185	0.00043	0.04998	0.00209	0.23	142.40	5.69	5.68	139.32	2.71	2.71	194.07	98.76	95.86	139.32	2.71	2.71	206Pb/238U	46	46
782-08a2_101	130	37	3.55	0.17275	0.02023	0.02405	0.00083	0.05210	0.00611	0.13	161.80	17.59	17.44	153.17	5.26	5.25	290.01	279.68	257.46	153.17	5.26	5.25	206Pb/238U	33	45
782-08a2_102	1081	461	2.35	0.14170	0.00674	0.02118	0.00050	0.04852	0.00226	0.25	134.56	6													

TABLE SF4. ZIRCON AGE STANDARDS USED IN THIS STUDY

Standard	Standard	U-Pb age ($\pm 2\sigma$)	Reference
FC	Duluth complex	1099.0 $\pm$ 06 Ma	Paces and Miller (1993)
F5	Duluth complex	1099.0 $\pm$ 0.6 Ma (assumed equal to FC-1)	Paces and Miller (1993)
TR	Tardree Rhyolite	61.23 $\pm$ 0.11 Ma	Dave Chew (personal communication, 2012)
IFCan	Fish Canyon Tuff	28.201 $\pm$ 0.012 Ma	Lanphere and Baadsraard (2001); Kuiper et al. (2008)
R3	Braintree complex	418.9 $\pm$ 0.4 Ma	Black et al. (2004)
T2	Temora 2, Middledale gabbroic diorite	416.78 $\pm$ 0.33 Ma	Black et al. (2004)
MD	Mount Dromedary	99.12 $\pm$ 0.14 Ma	Black et al. (2004)

TABLE SF5. ZIRCON FISSION-TRACK AGE DATA AND U-Pb AGES FOR DOUBLE-DATED ZIRCON GRAINS

Grain	Zircon Fission- Track age (Ma)	Error (-2s)	Error (+2s)	Zircon U-Pb age (Ma)	2s Error (Ma)	NS	Area (cm ²)	U (ppm)	Th (ppm)	Sm (ppm)
Foredeep sandstones										
Sample TM-02 (Apatite to Zircon, Inc. 1003-02) Nanushuk Formation										
1003_002_Zrn_c_01_1	168.62	64.08	102.55	211.13	5.76	44	2.9121E-06	39	25	3
1003_002_Zrn_c_01_2	178.90	69.53	112.75	418.11	14.74	38	2.9121E-06	30	42	3
1003_002_Zrn_c_01_3	159.75	59.52	94.17	283.92	12.21	51	4.3682E-06	26	35	3
1003_002_Zrn_c_01_4	171.28	58.26	87.70	252.28	8.15	116	7.7656E-06	35	117	13
1003_002_Zrn_c_01_5	108.83	40.93	65.26	211.50	6.76	48	2.9121E-06	60	50	6
1003_002_Zrn_c_01_6	97.37	38.20	62.54	265.78	7.94	37	2.9121E-06	32	86	10
1003_002_Zrn_c_01_7	127.28	47.04	74.20	302.93	8.00	54	2.9121E-06	51	43	1
1003_002_Zrn_c_01_8	188.10	67.40	104.18	370.14	11.60	69	4.8535E-06	30	25	1
1003_002_Zrn_c_01_9	114.03	52.11	95.27	309.50	10.99	17	1.4561E-06	41	49	3
1003_002_Zrn_c_01_10	333.44	117.99	180.09	327.28	10.36	71	3.8828E-06	23	20	4
1003_002_Zrn_c_01_11	119.57	42.18	64.84	430.74	11.41	80	3.8828E-06	50	26	0
1003_002_Zrn_c_01_12	85.87	32.14	51.17	253.88	9.54	50	4.8535E-06	55	144	10
1003_002_Zrn_c_01_13	229.21	78.22	117.66	288.25	9.84	108	5.8242E-06	39	69	4
1003_002_Zrn_c_01_14	208.43	72.80	110.92	257.79	8.70	84	4.3682E-06	42	113	12
1003_002_Zrn_c_01_15	223.30	74.47	110.77	253.88	6.96	147	7.2803E-06	49	39	11
1003_002_Zrn_c_01_16	208.99	69.19	102.62	384.01	14.17	168	7.7656E-06	46	60	3
1003_002_Zrn_c_01_17	140.10	51.40	80.67	167.07	9.54	57	4.3682E-06	44	132	11
1003_002_Zrn_c_01_18	51.48	21.73	37.50	116.31	5.24	25	2.9121E-06	72	54	9
1003_002_Zrn_c_01_19	214.50	81.96	131.30	257.95	9.93	42	3.8828E-06	24	32	4
1003_002_Zrn_c_01_20	210.35	71.74	107.96	288.50	11.58	112	8.7363E-06	33	32	9
1003_002_Zrn_c_01_21	184.86	70.03	111.75	292.12	17.52	45	2.9121E-06	43	69	7
1003_002_Zrn_c_01_22	131.46	47.21	73.24	302.42	11.02	68	5.8242E-06	44	35	1
1003_002_Zrn_c_01_23	292.23	98.93	147.85	472.44	16.53	114	8.7363E-06	28	29	1
1003_002_Zrn_c_01_24	111.98	39.84	61.55	219.67	10.25	74	3.8828E-06	94	97	7
1003_002_Zrn_c_01_25	216.24	75.28	114.47	440.39	12.64	87	5.8242E-06	43	27	0
1003_002_Zrn_c_01_26	122.97	47.17	76.08	222.79	14.57	42	2.9121E-06	54	50	7
1003_002_Zrn_c_01_27	102.29	40.65	67.11	1866.53	30.63	34	4.8535E-06	36	105	8
1003_002_Zrn_c_01_28	93.29	37.09	61.28	314.11	11.77	34	1.9414E-06	115	130	2
1003_002_Zrn_c_01_29	187.13	74.69	123.12	1924.69	31.42	33	2.9121E-06	41	13	1
1003_002_Zrn_c_01_30	168.62	64.08	102.55	211.13	5.76	44	2.9121E-06	121	211	12
Wedgetop sandstones										
Sample 10TM-78D (Apatite to Zircon, Inc. 1245-17) Okpikruak Formation, Picnic Creek allochthon										
663_006_Zrn_b_01_1	195.00	70.91	110.49	317.84	13.01	60	4.8535E-06	38	44	2
663_006_Zrn_b_01_2	191.54	68.60	106.01	1936.23	38.38	68	7.7656E-06	25	7	1
663_006_Zrn_b_01_3	174.81	60.99	93.00	1859.19	29.08	87	4.3682E-06	68	74	2
663_006_Zrn_b_01_4	123.56	46.30	73.61	1846.22	30.95	49	7.7656E-06	34	96	2
663_006_Zrn_b_01_5	134.66	49.76	78.44	123.93	5.06	54	3.8828E-06	70	75	1
663_006_Zrn_b_01_6	80.32	30.02	47.75	167.63	6.95	51	3.8828E-06	102	44	2
663_006_Zrn_b_01_7	81.96	29.19	45.19	304.26	13.25	76	5.8242E-06	54	72	4
663_006_Zrn_b_01_8	357.86	147.77	246.95	128.62	5.19	27	1.9414E-06	26	68	4
663_006_Zrn_b_01_9	138.04	47.77	72.65	311.72	51.81	97	4.8535E-06	103	238	6
663_006_Zrn_b_01_10	77.12	28.18	44.25	132.49	5.22	60	4.3682E-06	97	120	5
663_006_Zrn_b_01_11	236.97	84.71	130.52	1899.34	25.03	67	2.9121E-06	62	35	4
663_006_Zrn_b_01_12	102.39	35.56	54.26	148.73	5.67	95	4.3682E-06	103	76	4
663_006_Zrn_b_01_13	127.05	44.36	67.80	141.97	6.05	88	5.8242E-06	72	102	3
663_006_Zrn_b_01_14	251.82	91.78	142.83	632.79	20.85	57	3.8828E-06	38	37	1
663_006_Zrn_b_01_15	93.79	35.65	57.27	242.84	8.02	45	2.9121E-06	78	89	6
663_006_Zrn_b_01_16	327.84	116.45	178.14	345.34	16.13	69	5.8242E-06	19	8	0
663_006_Zrn_b_01_17	162.28	56.47	86.03	2062.97	40.44	92	1.1648E-05	35	40	4
663_006_Zrn_b_01_18	311.81	110.55	169.05	822.53	25.50	70	4.8535E-06	23	64	3
663_006_Zrn_b_01_19	234.83	84.00	129.47	375.94	12.88	67	3.8828E-06	44	45	0
663_006_Zrn_b_01_20	133.83	48.22	74.94	280.41	8.70	66	2.9121E-06	85	99	9
663_006_Zrn_b_01_21	78.58	28.10	43.59	275.83	19.68	74	5.8242E-06	37	102	2
663_006_Zrn_b_01_22	443.17	162.54	251.74	2171.93	49.53	51	7.2803E-06	10	9	1
663_006_Zrn_b_01_23	182.65	67.51	106.22	402.60	14.93	53	2.9121E-06	60	33	0
663_006_Zrn_b_01_24	178.70	64.10	99.19	161.95	8.07	67	5.8242E-06	36	80	10
663_006_Zrn_b_01_25	440.46	154.78	234.36	582.05	18.19	72	4.3682E-06	25	33	2
663_006_Zrn_b_01_26	361.91	122.18	181.88	434.33	14.89	113	4.3682E-06	40	55	4
663_006_Zrn_b_01_27	175.74	61.51	93.94	174.61	10.16	84	5.8242E-06	42	60	3
663_006_Zrn_b_01_28	122.96	43.21	66.28	1892.08	29.09	84	7.7656E-06	65	13	2
663_006_Zrn_b_01_29	263.61	92.74	141.53	803.07	24.26	78	5.8242E-06	33	84	4
663_006_Zrn_b_01_30	312.94	106.85	160.24	291.09	11.37	102	7.7656E-06	28	66	2
High allochthon sandstones										
Sample 10TM-78D (Apatite to Zircon, Inc. 1245-17) Okpikruak Formation, Picnic Creek allochthon										
1245_017_Zrn_a_01_1	107.78	39.11	61.10	173.60	6.70	63	5.8242E-06	76	99	6
1245_017_Zrn_a_01_2	139.31	48.70	74.45	303.45	14.08	87	8.7363E-06	55	44	1
1245_017_Zrn_a_01_3	268.15	89.53	133.03	363.39	18.11	141	1.4561E-05	29	32	2
1245_017_Zrn_a_01_4	0.00	0.00	0.00	0.00	0.00	76	1.7473E-05	165	349	345
1245_017_Zrn_a_01_5	0.00	0.00	0.00	0.00	0.00	11	4.3682E-06	134	283	295
1245_017_Zrn_a_01_6	167.30	66.32	108.95	1790.09	36.27	34	4.8535E-06	26	43	2
1245_017_Zrn_a_01_7	296.89	102.80	155.36	364.18	11.63	88	7.7656E-06	31	51	4

1245_017_Zrn_a_01_8	242.85	87.14	134.50	1996.19	41.99	66	8.7363E-06	21	16	3
1245_017_Zrn_a_01_9	134.29	49.87	78.84	1914.99	28.63	52	5.8242E-06	55	76	4
1245_017_Zrn_a_01_10	0.00	0.00	0.00	0.00	0.00	164	7.7656E-06	187	359	365
1245_017_Zrn_a_01_11	181.71	61.96	93.35	397.72	20.18	114	1.4561E-05	35	40	3
1245_017_Zrn_a_01_12	332.28	123.76	194.27	249.56	19.65	48	7.7656E-06	13	41	15
1245_017_Zrn_a_01_13	166.25	59.30	91.53	1890.36	30.46	71	5.8242E-06	47	66	15
1245_017_Zrn_a_01_14	50.93	20.41	33.96	612.67	17.12	33	4.3682E-06	118	164	10
1245_017_Zrn_a_01_15	140.19	53.42	85.73	249.73	13.16	44	1.1648E-05	18	28	3
1245_017_Zrn_a_01_16	325.30	115.28	176.14	1938.10	34.85	70	1.1648E-05	14	0	0
1245_017_Zrn_a_01_17	165.82	57.94	88.46	1905.86	30.20	86	7.7656E-06	47	38	1
1245_017_Zrn_a_01_18	166.30	58.82	90.38	903.94	26.61	76	8.7363E-06	35	39	2
1245_017_Zrn_a_01_19	123.45	45.45	71.53	255.38	12.04	56	1.1648E-05	18	34	4
1245_017_Zrn_a_01_20	178.35	73.39	123.50	1821.22	51.97	28	7.7656E-06	8	12	2
1245_017_Zrn_a_01_21	176.39	65.51	103.39	255.94	9.98	53	7.2803E-06	29	124	13
1245_017_Zrn_a_01_22	166.54	59.14	91.07	284.71	9.04	74	7.7656E-06	36	27	3
1245_017_Zrn_a_01_23	166.16	58.48	89.60	310.70	11.95	82	5.8242E-06	48	68	9
1245_017_Zrn_a_01_24	300.53	101.19	150.78	436.52	33.76	129	5.8242E-06	37	64	7
1245_017_Zrn_a_01_25	216.31	77.27	119.11	273.60	11.61	72	7.7656E-06	29	26	2
1245_017_Zrn_a_01_26	195.00	64.81	96.36	260.71	10.94	162	8.7363E-06	45	100	7
1245_017_Zrn_a_01_27	129.45	46.93	73.21	1916.95	35.90	63	5.8242E-06	34	23	1
1245_017_Zrn_a_01_28	286.32	96.25	143.39	591.97	26.42	128	7.7656E-06	33	10	2
1245_017_Zrn_a_01_29	166.09	59.03	90.93	271.15	10.48	73	9.7070E-06	27	51	6
1245_017_Zrn_a_01_30	470.27	167.73	255.63	419.14	20.57	63	4.3682E-06	17	59	14

Sample 03CP-25 (Apatite to Zircon, Inc. 526-09) Okpikruak Formation, Ipnarik River allochthon

526_009_Zrn_b_01_1	120.10	46.26	74.82	349.69	13.95	41	4.3682E-06	18	40	7
526_009_Zrn_b_01_2	123.19	44.59	69.50	335.92	12.11	64	5.8242E-06	36	48	4
526_009_Zrn_b_01_3	76.63	27.52	42.80	344.58	15.85	72	4.3682E-06	93	102	2
526_009_Zrn_b_01_4	316.31	116.27	181.29	369.96	17.08	53	3.8828E-06	9	15	3
526_009_Zrn_b_01_5	154.06	68.47	122.10	525.46	119.78	27	1.9414E-06	42	45	4
526_009_Zrn_b_01_6	201.88	75.87	120.42	332.19	13.10	47	2.9121E-06	30	52	4
526_009_Zrn_b_01_7	185.18	66.01	101.77	483.37	14.28	71	2.9121E-06	47	70	3
526_009_Zrn_b_01_8	223.43	100.45	179.96	357.26	55.96	18	1.9414E-06	13	18	5
526_009_Zrn_b_01_9	186.42	70.39	112.12	348.62	11.62	46	2.9121E-06	30	38	2
526_009_Zrn_b_01_10	225.68	81.81	127.06	371.58	14.03	61	3.8828E-06	22	26	3
526_009_Zrn_b_01_11	173.34	60.41	92.06	347.82	10.49	89	5.8242E-06	34	47	7
526_009_Zrn_b_01_12	238.01	83.19	126.65	400.85	11.16	83	4.8535E-06	37	96	4
526_009_Zrn_b_01_13	176.87	64.17	99.92	380.91	15.49	62	3.8828E-06	41	43	4
526_009_Zrn_b_01_14	219.05	83.40	133.29	828.21	24.26	43	1.9414E-06	24	31	2
526_009_Zrn_b_01_15	208.65	74.10	113.91	403.13	18.74	73	2.9121E-06	27	36	4
526_009_Zrn_b_01_16	248.35	86.73	131.92	338.93	13.45	84	5.8242E-06	21	30	1
526_009_Zrn_b_01_17	706.27	237.17	347.66	868.54	40.99	103	5.8242E-06	5	8	2
526_009_Zrn_b_01_18	223.54	74.52	110.83	327.64	11.67	152	9.7070E-06	34	55	7
526_009_Zrn_b_01_19	178.11	61.83	94.01	339.65	11.64	93	4.3682E-06	30	32	2
526_009_Zrn_b_01_20	184.02	66.13	102.41	356.58	12.61	66	3.8828E-06	33	65	5
526_009_Zrn_b_01_21	125.57	44.49	68.55	338.05	11.30	78	4.3682E-06	36	65	5
526_009_Zrn_b_01_22	197.11	70.20	108.13	327.77	9.61	71	3.8828E-06	33	28	3
526_009_Zrn_b_01_23	274.28	104.90	167.68	337.21	13.99	41	3.8828E-06	14	24	5
526_009_Zrn_b_01_24	391.57	142.65	220.62	590.49	22.36	56	1.9414E-06	22	18	7
526_009_Zrn_b_01_25	228.00	84.22	132.18	1820.14	37.55	53	2.9121E-06	29	33	2
526_009_Zrn_b_01_26	319.78	110.85	167.48	390.76	13.26	87	7.2803E-06	14	22	4
526_009_Zrn_b_01_27	178.21	64.57	100.46	335.16	9.49	62	3.8828E-06	25	25	3
526_009_Zrn_b_01_28	164.15	60.46	95.02	359.91	11.33	55	2.9121E-06	35	25	3
526_009_Zrn_b_01_29	316.15	116.74	182.48	327.77	11.76	51	2.9121E-06	31	34	6
526_009_Zrn_b_01_30	466.91	162.95	245.61	801.43	25.32	75	2.9121E-06	23	39	5

Note: Zircon U-Pb ages from Table SF3.

Moore et al., FIGURE SF1-1.ai

Moore et al., FIGURE SF1-2.ai

Moore et al., FIGURE SF1-4.ai