

DATA REPOSITORY ITEMS 2009048**ANALYTICAL TECHNIQUES****U-Pb Geochronology**

Approximately 5–10 kg of sample were crushed using a jaw crusher and disc grinder and processed for mineral separations using a Gemeni water table. Zircons were concentrated using methylene iodide (MEI) and magnetic separation with a Frantz. Errors on spot ages of individual zircons grains are reported at 1σ , and weighted mean ages were calculated and reported in the text and figures at the 2σ level.

LA-MC-ICPMS. For LA-MC-ICPMS, all material that sank in MEI and was non-magnetic at 1.8 Å was put on 2.5 cm epoxy mounts for analysis. Beam diameter was 35 µm for detrital zircons and 25 µm for igneous zircons. The ablated material was transported in an Ar-He carrier gas into the plasma source of a GV Instruments Isoprobe, which is equipped with a flight tube of sufficient width to allow simultaneous analysis of U, Th, and Pb isotopes. All measurements were made in static mode, using Faraday detectors for ^{238}U , ^{232}Th , $^{208-206}\text{Pb}$, and an ion-counting channel for ^{204}Pb . Ion yields were ~ 1 mv per ppm. Each analysis consisted of an integrated 20-second background measurement on the peak positions, 20 one-second integrations with the laser firing, and a 30 second delay to purge the previous sample and prepare for the next analysis.

Common Pb corrections were made using measured ^{204}Pb concentrations and assuming an initial Pb composition from Stacey and Kramers (1975) with uncertainties of 1.0 for $^{206}\text{Pb}/^{204}\text{Pb}$ and 0.3 for $^{207}\text{Pb}/^{204}\text{Pb}$. The Ar-He carrier gas contains negligible ^{204}Hg and we corrected for isobaric ^{204}Hg interferences on ^{204}Pb as part of the background

measurements.

Elemental fractionation for LA-MC-ICPMS varies with pit depth and the accepted isotope ratios were determined by least-squares projection through the measured values back to the initial determination. Inter-element fractionation of Pb/U was generally <20%, whereas apparent fractionation of Pb isotopes was generally <5%. Each analysis was normalized to the University of Arizona “SL” zircon standard with an age of 564 ± 4 Ma (Gehrels et al., 2008), which was analyzed after every fifth sample analysis for detrital zircons and every fourth analysis for igneous zircons. The uncertainty resulting from the calibration correction (together with the uncertainty from decay constants and common Pb composition) is generally 1-2% (2σ) for $^{206}\text{Pb}/^{238}\text{U}$ and $^{207}\text{Pb}/^{206}\text{Pb}$ ages of >1.2 Ga.

Errors from the measurement of $^{206}\text{Pb}/^{238}\text{U}$, $^{206}\text{Pb}/^{207}\text{Pb}$, and $^{206}\text{Pb}/^{204}\text{Pb}$ are reported at the 1σ level. Additional errors that affect all ages include uncertainties from (1) U decay constants; (2) the composition of common Pb; (3) calibration correction; and (4) uncertainty in age of the standard. These systematic errors (SE) are not included in the tables and add an additional uncertainty to $^{206}\text{Pb}/^{238}\text{U}$ ages and $^{207}\text{Pb}/^{206}\text{Pb}$ ages. Interpreted ages for igneous rocks incorporate the systematic errors into the weighted mean ages so that the total 2σ uncertainties that are quoted are equal to the quadratic sum of the random plus systematic errors. U and Th concentrations have approximately 25% uncertainty. Analyses with >6% 1σ uncertainty, >30% normal discordance, or >5% reverse discordance are excluded from the plots and interpretations. Relative probability diagrams and weighted mean calculations were created using the Isoplot program

(Ludwig, 2003). Other details of analytical methods are given elsewhere (Gehrels et al., 2006; Gehrels et al., 2008).

SHRIMP. For SHRIMP analysis, zircons were hand picked from material that sank in MEI and was non-magnetic at 1.8 Å. About 30–50 zircons were put on 2.5 cm epoxy mounts for individual analysis. A 30-µm diameter, 8–12 nA O₂ primary beam was used to sputter the zircon grains for analysis, following 90 seconds of rastering to remove potential surface contamination. CL images were obtained for all zircons analyzed. U, Th, and Pb concentrations were standardized against RG-6 and VP-10 zircons that were analyzed after every four unknown analyses. Data was reduced using the SQUID program (Ludwig, 2001). Pb/U ratios were corrected for common Pb using ²⁰⁴Pb and the model Pb evolution curve of Stacey and Kramers (1975). Errors on spot ages of individual zircons grains are reported at 1 σ , and weighted mean ages were calculated and reported in the text and figures at the 2 σ level. The weighted mean of ²⁰⁷Pb/²⁰⁶Pb ages derived using the SQUID and Isoplot programs (Ludwig, 2003) incorporates uncertainties in the standards and decay constants into the reported errors and thus the total uncertainties reported are comparable in scope to those reported from the LA-ICPMS data.

Nd Isotope Geochemistry

Sr and Nd isotope analyses were obtained by dissolving rock powder in HF and perchloric acid in Teflon beakers and Rb, Sr, Sm, and Nd were separated and their isotopic compositions were determined using the techniques described in Farmer et al. (1991).

SAMPLE DESCRIPTIONS

Nome Group-Casadepaga Schist

We obtained 287 zircon U-Pb analyses from three strongly foliated chlorite schists from the flanks of the western Kigluaik Mountains and one from near the city of Nome. All four samples have similar mineralogy typical of the Casadepaga schist unit of the Nome Group (Till et al., 1986). Samples 89MC-74 and 89LMC-30 have quartz, chlorite, white mica, and calcite. Sample 89LMC-30 has the addition of an oxidized Fe-sulfide mineral, probably pyrite. Sample 89LMC-58 has no calcite or pyrite, but contains minor tourmaline. Sample 03SP-21 was previously mapped as a felsic metavolcanic schist (Bundtzen et al., 1994), but appears similar in mineralogy to the other samples from the Casadepaga schist and the wide range of ages is more suggestive of a clastic protolith. No fossils have been recovered from this unit, but it was inferred to be Ordovician based on associations with the Ordovician Mixed unit and impure chlorite marble units from which Ordovician fossils had been recovered.

The youngest grains from the three samples in the western Kigluaik Mountains are Ordovician or early Cambrian, but each sample only yielded one or two of these young grains. These are not considered significant peaks because they consist of fewer than three grains. However, if the data from all three of these similar samples from the same structural level and geographic area are combined, a youngest significant peak of 521 Ma (Early Cambrian), is obtained. SHRIMP analysis of sample 03SP-21 yielded a youngest peak at 539 Ma and a prominent peak at 680 Ma. Because only a small number of grains (29) were analyzed from this sample, it is possible that younger age groups are present but not analyzed. The most prominent peaks from each of these samples are between

632–586 Ma. Only two Archean ages were obtained. Proterozoic ages from these samples are primarily in the ranges of 1750–1600 Ma, 1490–1420 Ma, and 1260–1150 Ma.

Nome Group-Mixed Unit

We obtained 92 zircon ages from a sample of foliated graphitic schist interpreted to be part of the Mixed unit of the Nome Group that elsewhere was reported to contain Ordovician conodonts (Till et al., 1986). Sample 03SP-14 is from the southeastern Kigluaik Mountains and contains quartz, white mica, chlorite, and graphite. The youngest peak for this sample is 399 Ma, or Early Devonian, and consists of six ages. The most prominent peak is at 435 Ma. Two grains are Archean, and Proterozoic grains include several grains from 1760–930 Ma, a gap between 930 Ma and 660 Ma, and a prominent peak at 660 Ma.

Nome Group-York Slate

Sample 03JT-18 is from the York slate. It is a medium to coarse-grained brown lithic quartzite interbedded with finer grained slatey quartzites with rhythmic graded beds and flame structures. The 1-m-thick beds are probably channels in a turbidite sequence. The youngest peak for the 80 zircon ages is 548 Ma. This sample is distinctive in that it contains a second significant peak at 718 Ma, a minor peak at 656 Ma, five Archean grains, and scattered Proterozoic ages that range from 2166 Ma to about 750 Ma.

Kigluaik Metamorphic Complex-Kigluaik Mountains

Three samples from the high-grade rocks in the Kigluaik Mountains were analyzed yielding a total of 240 U-Pb zircon ages. Sample 03SP-28 is the lowest grade sample of

the three and is a graphitic quartzite with biotite and white mica. It has mineralogy consistent with it being an upgraded equivalent of one of the Mixed Unit rocks from the Nome Group. Sample 03SP-30 contains quartz, biotite, a colorless calcic clinoamphibole (probably actinolite), plagioclase, and graphite. It is possibly an upgraded equivalent of the Casadepaga schist unit of the Nome Group. Sample 03SP-10b from the Kigluaik metamorphic complex is a strongly foliated coarse-grained biotite-garnet-sillimanite schist with large garnet porphyroblasts, quartz, plagioclase, and zircon commonly found as inclusions in biotite. It was collected near the Thompson Creek orthogneiss dated at 565 Ma (see below). Zircon ages from sample 03SP-28 yield a youngest peak that is Pennsylvanian in age (321 Ma), two Devonian peaks at 370 Ma and 400 Ma, and the most prominent peak is 427 Ma (Silurian). This sample contains the youngest zircons of all of the studied samples. No Archean grains were analyzed, and Proterozoic grains up to 1929 Ma were only minor constituents. Sample 03SP-30 has a youngest peak at 443 Ma at the Ordovician/Silurian boundary, and it has its most prominent peak in the Early Ordovician at 484 Ma. Sample 03SP-10b has its youngest peak at 485 Ma and its most prominent peak in the latest Proterozoic at 544 Ma.

Kigluaik Metamorphic Complex-Bendeleben Mountains

Three samples were analyzed from high-grade schists in the Bendeleben Mountains for a total of 263 ages. These metasedimentary rocks are mapped as correlative with the Kigluaik Metamorphic Complex but no age data have ever been reported from these units, having previously been mapped as "Precambrian–Paleozoic" (Till et al., 1986; Amato and Miller, 2004). Sample 03BG-15 is a strongly foliated schist with quartz, biotite, garnet, sillimanite, plagioclase, tourmaline, apatite, and zircon, which is mainly

found as inclusions in biotite. Sample 07B-183 is a strongly foliated schist with quartz, biotite, plagioclase, a colorless calcic clinoamphibole, probably actinolite, and abundant zircon inclusions in biotite. Sample 06BG-15 has a youngest peak at 484 Ma and the most prominent peak at 615 Ma. Older Proterozoic grains range from about 2 Ga to 650 Ma. Sample 07B-183 has a youngest peak at 517 Ma (mid-Cambrian), another prominent peak at 637 Ma, three Archean grains, and most of the Proterozoic ages are between 1880–1120 Ma. Sample 07B-77 is a biotite-staurolite-garnet-kyanite schist that has a youngest peak at 360 Ma (Late Devonian), the most prominent peak at 388 Ma (Middle Devonian), and a prominent peak at 573 Ma, and minor contributions from zircons older than Neoproterozoic.

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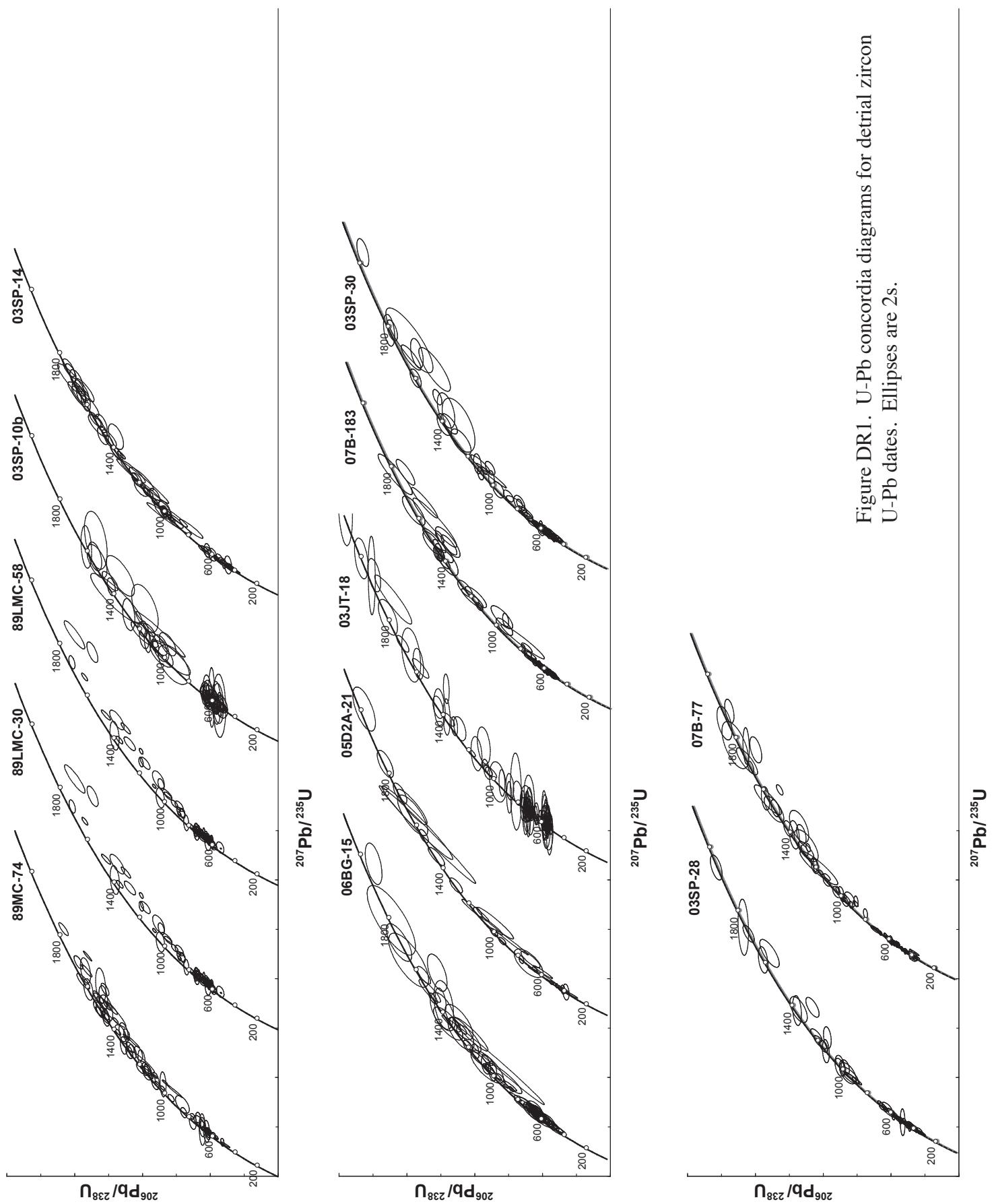


Figure DR1. U-Pb concordia diagrams for detrital zircon U-Pb dates. Ellipses are 2s.

TABLE DR1. COMPLETE U-Pb ZIRCON DATA COLLECTED BY SHRIMP

Spot	Composition				Isotopic ratios				Dates (Ma)				Conc.	Best	\pm 1s
	U (ppm)	Th (ppm)	Th/U	206Pb (%)	238U /206Pb*	\pm (%)	207Pb* /206Pb*	\pm (%)	206Pb* /238U	\pm 1s (Ma)	207Pb* /206Pb*	\pm 1s (Ma)			
04MBW-935a: Bendeleben Mts. metarhyolite (3, 549304, 7223392)															
3	186	140	0.75	0.09	7.05	1.2	0.0694	1.8	854	10	911	37	94		
4	223	156	0.70	0.54	8.11	1.1	0.0683	1.4	746	8	877	29	85		
5	204	171	0.84	0.08	6.81	1.1	0.0681	1.5	883	9	873	31	101		
6	335	241	0.72	0.05	6.91	1.0	0.0677	1.2	872	9	859	24	102		
7	116	66	0.57	<0.01	6.83	1.2	0.0653	2.9	885	10	784	60	113		
8	185	157	0.85	0.00	7.00	1.1	0.0677	1.4	861	9	860	30	100		
9	148	72	0.49	0.25	6.90	1.2	0.0682	2.0	873	10	876	42	100		
10	75	37	0.49	0.32	6.91	1.3	0.0724	2.5	867	11	996	51	87		
11	170	142	0.84	<0.01	6.96	1.1	0.0670	2.3	866	9	836	48	104		
07B-151a: Bendeleben Mts. metadacite (3, 550715, 7224194)															
1	133	58	0.44	0.75	9.96	1.1	0.0642	3.4	614	6	749	72	82		
4	146	79	0.54	0.35	8.30	1.0	0.0642	2.9	733	7	747	61	98		
6	206	145	0.70	0.58	7.93	0.8	0.0677	2.2	763	6	859	46	89		
12	161	113	0.70	0.20	7.94	0.8	0.0663	1.8	763	6	815	37	94		
2	196	148	0.76	0.31	7.90	0.8	0.0673	1.8	767	6	848	37	90		
5	147	88	0.60	0.34	7.89	0.9	0.0669	2.1	767	7	834	44	92		
11	367	261	0.71	0.44	7.69	0.6	0.0681	1.4	785	5	873	29	90		
3	179	135	0.75	0.53	7.60	0.9	0.0685	2.1	794	7	885	43	90		
10	151	101	0.67	0.58	7.31	0.9	0.0702	2.3	823	7	933	47	88		
7	202	165	0.82	0.19	7.26	0.8	0.0669	2.0	832	7	835	42	100		
8	263	152	0.58	<0.01	6.95	0.8	0.0670	1.6	868	7	839	32	103		
07B-121: Bendeleben Mts. metarhyolite (3, 550715, 7224194)															
12	450	237	0.53	<0.01	8.56	3.1	0.0684	2.3	712	21	882	48	81		
7	810	1193	1.47	<0.01	8.17	1.4	0.0692	3.9	744	10	906	81	82		
18	662	830	1.25	<0.01	8.22	1.9	0.0680	1.7	740	14	868	35	85		
16	289	176	0.61	<0.01	7.82	2.3	0.0684	2.2	775	17	879	45	88		
20	364	244	0.67	<0.01	8.14	1.9	0.0672	2.6	747	13	844	54	89		
4	223	175	0.78	<0.01	8.12	1.0	0.0672	3.7	749	7	845	78	89		
5	284	226	0.80	<0.01	7.50	1.1	0.0688	2.0	807	8	894	40	90		
19	483	456	0.94	<0.01	7.40	2.4	0.0684	1.5	817	19	880	31	93		
17	530	599	1.13	<0.01	7.25	1.3	0.0688	1.9	833	10	892	39	93		
22	134	113	0.84	<0.01	7.63	3.7	0.0667	1.7	794	28	827	36	96		
10	480	571	1.19	<0.01	7.09	1.0	0.0685	2.8	850	8	884	58	96		
9	100	75	0.75	<0.01	6.96	1.0	0.0690	4.1	866	8	900	84	96		
1c	261	274	1.05	<0.01	7.00	1.4	0.0685	2.8	861	11	883	57	98		
1r	292	257	0.88	<0.01	7.20	2.4	0.0676	2.0	839	19	857	42	98		
14	227	133	0.59	<0.01	6.75	1.1	0.0692	1.5	890	9	905	30	98		
15	241	171	0.71	<0.01	6.86	2.0	0.0687	2.3	878	16	890	48	99		
8	141	64	0.45	<0.01	6.92	1.0	0.0679	1.4	871	8	866	30	100		
21	546	515	0.94	<0.01	6.90	1.0	0.0677	1.5	873	8	860	31	102		
13	141	150	1.07	<0.01	6.63	2.9	0.0685	2.2	906	25	883	46	103		

03SP-15: Kigluaik Mts. Hen and Chickens orthogneiss (3, 508070, 7222920)

12	1698	32	0.02	0.74	25.65	0.4	0.0563	1.3	245	1	464	28	53
7	858	290	0.34	1.13	20.80	0.5	0.0583	2.5	301	1	540	54	56
6	518	168	0.32	0.93	20.69	0.6	0.0592	1.9	302	2	575	42	53
13	1468	28	0.02	1.01	16.30	0.7	0.0626	0.9	380	3	695	20	55
2	2432	39	0.02	0.65	12.50	0.4	0.0624	3.6	493	1	689	76	72
1	1243	583	0.47	0.56	11.59	0.3	0.0627	0.8	531	2	698	17	76
8	2230	23	0.01	0.37	10.56	0.3	0.0623	0.9	581	2	685	19	85
5	77	77	1.00	<0.01	9.73	1.3	0.0563	5.2	634	8	466	116	136
14	399	188	0.47	0.19	8.97	0.5	0.0628	1.4	681	4	702	30	97
10	1039	78	0.07	0.10	8.91	0.4	0.0629	0.8	685	2	705	16	97
9	420	156	0.37	<0.01	8.85	0.6	0.0617	1.3	690	4	663	28	104
3	192	93	0.49	0.36	8.72	0.7	0.0666	2.3	697	5	825	48	84
11	794	267	0.34	0.05	8.68	0.7	0.0627	0.9	703	5	697	20	101
4	1800	23	0.01	<0.01	8.07	0.2	0.0631	0.9	754	2	712	19	106

03SP-20: Kigluaik Mts. Salmon Lake orthogneiss (3, 497316, 7198300)

11	3754	441	0.12	1.11	22.61	0.9	0.0589	2.4	277	2	562	51	49
8	3248	919	0.28	0.18	19.30	0.9	0.0591	0.8	323	3	570	18	57
13	3880	1053	0.27	0.47	18.71	0.9	0.0587	1.4	333	3	555	30	60
5	950	229	0.24	0.16	14.31	0.9	0.0614	1.1	432	4	653	24	66
7	1849	1100	0.59	0.40	11.45	0.9	0.0605	1.2	539	5	620	25	87
1	364	260	0.72	0.15	10.10	1.0	0.0596	1.5	609	6	588	32	104
10	101	63	0.62	0.13	9.50	1.3	0.0608	2.6	645	8	633	56	102
9	414	336	0.81	<0.01	9.30	1.0	0.0632	1.2	657	6	716	25	92
14	1303	784	0.60	0.06	9.31	0.9	0.0618	0.7	658	6	666	15	99
12	228	173	0.76	0.20	9.32	1.1	0.0593	2.2	659	7	580	48	114
2	693	565	0.81	0.00	9.24	0.9	0.0629	1.3	661	6	705	29	94
6	252	145	0.58	0.05	9.25	1.0	0.0614	1.5	662	7	654	33	101
4	166	116	0.70	<0.01	9.13	1.1	0.0634	1.9	669	8	723	40	93
3	777	424	0.55	<0.01	9.04	0.9	0.0623	0.9	676	6	684	20	99

03SP-12: Kigluaik Mts. Thompson Creek orthogneiss (3, 489605, 7202298)

13	3373	146	0.04	<0.01	69.61	0.9	0.0490	1.6	92	1	147	37	63
11	3303	130	0.04	<0.01	69.08	0.9	0.0480	1.3	93	1	98	31	95
14	2682	116	0.04	0.14	68.82	0.9	0.0482	1.7	93	1	111	41	84
17	3650	147	0.04	<0.01	67.37	0.9	0.0475	1.2	95	1	77	29	124
16	2930	17	0.01	0.06	67.05	0.9	0.0471	1.5	96	1	55	35	174
10	1040	550	0.53	0.07	16.23	1.0	0.0590	1.1	383	4	568	24	67
1	1000	265	0.27	0.10	16.12	1.0	0.0576	1.5	387	4	515	33	75
5	579	310	0.54	0.04	12.45	1.0	0.0588	1.2	497	5	561	27	89
9	583	276	0.47	0.05	12.36	0.9	0.0599	1.2	500	5	601	26	83
7	750	325	0.43	0.01	12.10	0.9	0.0595	1.0	511	5	587	23	87
4	236	103	0.43	0.00	11.83	1.1	0.0613	1.8	521	6	649	39	80
15	828	340	0.41	0.12	11.49	0.9	0.0593	1.3	537	5	578	28	93
8	312	117	0.38	<0.01	11.28	1.0	0.0600	1.5	547	5	604	33	90
6	507	308	0.61	<0.01	10.95	1.0	0.0598	1.2	563	5	596	26	94
2	586	390	0.67	0.07	10.93	1.0	0.0585	1.1	565	5	548	24	103
12	703	296	0.42	0.02	10.85	0.9	0.0593	1.0	568	5	577	22	99

92.5A-139: Kigluaik Mts. northern orthogneiss (3, 456994, 7209376)

4	1183	322	0.27	0.05	17.35	0.3	0.0584	1.0	359	1	543	22	66
6	243	80	0.33	<0.01	15.14	0.6	0.0601	1.8	410	2	607	39	68
3	922	335	0.36	0.07	14.09	0.3	0.0579	1.0	441	1	525	23	84
7	505	215	0.43	0.08	12.57	0.4	0.0586	1.7	493	2	552	37	89
1	526	216	0.41	0.11	12.09	0.4	0.0579	1.3	512	2	526	30	97
2	622	245	0.39	0.03	11.18	0.4	0.0602	1.0	551	2	611	22	90
5	338	164	0.49	0.04	11.02	0.5	0.0602	1.4	559	3	609	31	92
8	468	220	0.47	0.11	10.92	0.4	0.0585	1.3	565	2	550	28	103

03JT-23: York Mts. gabbro (3, 387478, 7274200)

5C	263	173	0.66	0.07	18.13	16.3	0.0621	15.2	346	55	676	163	51
3C	384	301	0.78	0.03	17.97	10.8	0.0598	6.9	349	37	595	75	59
5T	177	248	1.40	2.27	14.16	45.3	0.1650	47.8	440	190	2508	402	18
4T	685	2834	4.14	0.40	12.74	5.5	0.0719	35.8	487	26	982	365	50
10C	167	246	1.47	0.25	12.04	9.7	0.0774	31.9	514	48	1132	318	45
11C	305	270	0.88	0.08	12.04	12.0	0.0611	15.5	514	59	641	167	80
9T	346	1040	3.01	0.03	11.89	5.4	0.0627	7.9	521	27	697	84	75
13C	477	1170	2.45	0.02	11.88	4.5	0.0584	4.2	521	22	545	46	96
18C	474	666	1.41	0.12	11.82	4.0	0.0617	19.5	524	20	663	209	79
7C	281	326	1.16	0.13	11.77	7.8	0.0639	22.1	526	39	737	234	71
15C	241	498	2.06	0.13	11.74	8.2	0.0869	33.2	527	41	1358	320	39
4C	305	539	1.77	0.03	11.71	7.0	0.0650	9.3	528	35	774	98	68
23C	238	309	1.30	0.01	11.69	4.9	0.0558	4.2	529	25	446	46	119
14C	234	269	1.15	0.01	11.69	5.8	0.0601	6.0	529	29	607	65	87
20C	256	307	1.20	0.01	11.66	7.8	0.0620	5.2	530	39	676	55	78
22C	252	928	3.69	0.09	11.60	4.2	0.0613	76.5	533	22	650	821	82
7T	236	283	1.20	0.04	11.49	4.0	0.0627	11.2	538	21	700	119	77
25C	208	241	1.16	0.01	11.46	4.3	0.0596	5.9	539	22	589	64	91
19C	325	420	1.29	0.01	11.44	4.0	0.0591	6.7	540	21	570	73	95
21C	148	168	1.14	0.07	11.28	2.3	0.0666	19.6	548	12	826	204	66
24C	131	253	1.93	0.02	11.05	4.4	0.0621	8.9	558	24	679	95	82
12C	126	134	1.06	0.03	10.86	3.0	0.0604	8.8	568	16	618	95	92
16C	45	27	0.61	0.02	8.24	8.9	0.0689	19.9	738	62	895	205	82
8C	176	117	0.66	0.04	6.35	12.4	0.0751	7.5	942	108	1072	75	88

05D2R-28a: Darby Mts. foliated granite (3, 489605, 7202298)

8	2926	1263	0.43	0.17	17.60	0.9	0.0542	0.8	356	3	381	17	93
5	1083	436	0.40	0.61	17.49	1.0	0.0529	2.0	359	3	326	45	110
1	787	519	0.66	<0.01	16.87	1.0	0.0529	1.4	372	4	325	31	114
2	2982	737	0.25	0.17	16.23	0.9	0.0546	0.7	385	4	396	16	97
11	1544	775	0.50	0.59	16.26	0.9	0.0529	1.7	385	4	323	39	119
12	532	354	0.66	<0.01	16.13	1.0	0.0517	1.9	389	4	274	44	142
9	664	191	0.29	0.19	16.01	1.0	0.0560	1.2	390	4	453	28	86
10	726	110	0.15	0.20	16.03	1.0	0.0548	1.5	390	4	404	34	96
4	880	439	0.50	0.06	15.78	1.0	0.0547	1.2	396	4	402	28	99
7	2168	451	0.21	<0.01	15.76	0.9	0.0542	0.7	397	4	377	15	105

06BA-13: Bendeleben Mts. foliated granite (3, 578591, 7237043)

7	1050	653	0.62	0.39	16.56	0.5	0.0534	2.4	378	2	348	54	109
11	832	411	0.49	0.15	16.44	0.4	0.0540	1.7	381	2	372	38	102
4	1211	803	0.66	0.12	16.32	0.4	0.0552	1.0	383	1	418	23	92
2	845	344	0.41	<0.01	16.27	0.5	0.0535	1.4	385	2	349	32	110
1	977	405	0.41	0.18	16.09	0.4	0.0554	1.2	388	2	427	27	91
10	1069	516	0.48	0.05	15.89	0.4	0.0534	1.5	394	2	346	35	114
8	2478	1209	0.49	<0.01	15.50	0.3	0.0541	0.8	403	1	373	19	108

03SP-21: Nome Group Casadepaga schist (3, 483518, 7159772)

27	262	144	0.55	0.09	11.59	1.1	0.0597	1.9	533	6	591	40	90	533	6
29	1028	713	0.69	0.18	11.33	0.9	0.0624	1.2	542	5	689	26	79	542	5
23	402	348	0.86	0.06	10.74	1.0	0.0610	1.5	573	6	641	32	89	573	6
5	1427	861	0.60	0.07	10.45	0.9	0.0585	0.8	590	5	549	17	108	590	5
20	170	156	0.92	<0.01	10.17	1.1	0.0635	2.0	602	7	726	42	83	602	7
28	917	1016	1.11	<0.01	9.90	0.9	0.0629	0.8	618	5	706	18	88	618	5
9	180	94	0.52	<0.01	9.56	1.1	0.0603	1.9	642	7	614	41	105	642	7
10	600	881	1.47	<0.01	9.52	0.9	0.0610	1.0	644	6	640	22	101	644	6
22	590	531	0.90	0.07	9.41	0.9	0.0609	1.1	652	6	637	24	102	652	6
19	204	177	0.87	<0.01	9.22	1.1	0.0621	1.7	663	7	679	36	98	663	7
1	215	359	1.67	0.06	9.10	1.1	0.0634	1.6	671	7	720	34	93	671	7
18	295	186	0.63	0.00	9.14	1.0	0.0597	1.5	671	7	592	32	113	671	7
14	551	559	1.01	0.09	9.07	0.9	0.0612	1.4	675	6	645	29	105	675	6
12	497	393	0.79	0.01	9.03	1.0	0.0621	1.1	677	6	679	23	100	677	6
25	292	35	0.12	0.08	8.99	1.0	0.0624	1.4	680	7	687	30	99	680	7
21	92	69	0.75	0.11	8.92	1.4	0.0624	2.7	685	9	689	59	99	685	9
24	248	246	0.99	<0.01	8.92	1.1	0.0631	1.5	685	7	711	32	96	685	7
3	491	232	0.47	0.03	8.90	1.0	0.0625	1.1	686	6	691	24	99	686	6
11	246	223	0.91	0.03	8.89	1.1	0.0620	1.5	688	7	674	33	102	688	7
7	261	114	0.44	0.12	8.83	1.1	0.0599	1.8	694	7	598	40	116	694	7
17	86	42	0.49	0.14	8.65	1.4	0.0600	2.8	708	9	604	61	117	708	9
16	1724	186	0.11	0.10	8.18	0.9	0.0661	0.7	742	6	809	14	92	742	6
26	561	28	0.05	<0.01	5.45	0.9	0.0754	0.8	1086	10	1079	15	101	1079	15
13	983	572	0.58	<0.01	4.28	0.9	0.0848	0.5	1357	12	1312	10	103	1312	10
15	116	36	0.31	0.18	4.22	1.2	0.0885	1.4	1369	16	1393	26	98	1393	26
6	66	47	0.72	0.00	3.69	1.3	0.1047	1.5	1530	21	1709	27	90	1709	27
4	96	58	0.60	<0.01	3.49	1.2	0.1033	1.2	1619	20	1684	23	96	1684	23
2	385	237	0.62	0.02	3.47	0.9	0.0997	0.6	1632	15	1618	11	101	1618	11
8	270	261	0.97	0.02	3.46	1.0	0.1009	0.7	1637	16	1641	14	100	1641	14

03SP-30: Biotite quartzite (3, 449959, 7204155)

27	418	90	0.21	0.16	16.27	0.7	0.0556	2.2	383.8	2.8	438	50	88	384	3
28	2083	374	0.18	0.60	15.07	0.3	0.0595	1.0	411.9	1.4	584	21	70	412	1
10	159	116	0.73	0.13	12.19	1.1	0.0585	2.8	507.6	5.6	548	61	93	508	6
6	344	130	0.38	<0.01	12.11	0.8	0.0570	1.9	511.8	3.8	492	42	104	512	4
7	337	98	0.29	0.07	12.05	0.8	0.0581	1.9	513.8	3.8	534	41	96	514	4
12	1029	249	0.24	0.10	12.03	0.4	0.0580	1.1	514.6	2.2	528	25	97	515	2
26	586	26	0.04	0.28	11.51	0.6	0.0592	2.0	536.6	3.3	573	43	94	537	3
9	534	230	0.43	<0.01	11.43	0.6	0.0574	1.6	541.1	3.1	508	34	106	541	3

5	65	35	0.54	<0.01	11.20	1.7	0.0540	4.3	554.4	9.1	370	98	150	554	9
30	981	376	0.38	0.08	10.62	0.4	0.0596	1.3	579.7	2.5	590	29	98	580	3
1	513	387	0.75	0.20	10.31	0.6	0.0614	1.4	595.9	3.5	653	30	91	596	3
33	26	12	0.49	<0.01	10.35	2.7	0.0448	12.9	605.3	15.9	-69	315	-875	605	16
11	2360	1829	0.78	0.24	10.13	0.3	0.0619	0.6	605.7	1.6	669	14	91	606	2
15	363	57	0.16	0.49	10.06	0.7	0.0641	1.7	608.4	4.4	745	36	82	608	4
18	653	63	0.10	1.84	9.83	0.5	0.0751	2.1	613.8	3.3	1071	43	57	614	3
13	117	56	0.48	<0.01	9.95	1.2	0.0578	3.3	619.5	7.5	522	72	119	619	8
29	194	46	0.24	0.20	9.54	0.9	0.0637	2.3	640.7	5.9	732	49	87	641	6
31	496	436	0.88	0.18	9.52	0.6	0.0621	1.5	643.4	3.7	676	31	95	643	4
25	1129	439	0.39	0.12	9.51	0.4	0.0621	1.4	643.9	2.6	679	30	95	644	3
16	191	181	0.95	<0.01	9.52	1.0	0.0579	2.4	646.2	6.1	526	53	123	646	6
22	772	475	0.62	0.02	9.46	0.5	0.0609	1.2	648.4	3.0	634	26	102	648	3
2	285	132	0.46	0.06	9.34	0.8	0.0614	1.9	655.9	5.2	653	41	100	656	5
14	510	59	0.12	0.13	9.15	0.6	0.0629	1.4	667.6	4.0	704	29	95	668	4
21	728	120	0.17	<0.01	8.76	0.5	0.0624	1.1	696.8	3.4	687	23	101	697	3
4	490	61	0.12	0.82	7.61	0.5	0.0719	1.1	790.1	4.2	983	23	80	790	4
24	694	337	0.49	2.32	6.94	0.5	0.0846	1.4	850.9	4.0	1307	27	65	851	4
19	134	57	0.42	0.52	5.91	1.0	0.0770	1.8	1002.3	9.6	1120	36	89	1120	36
17	86	38	0.44	0.75	5.51	1.3	0.0813	2.2	1068.1	13.3	1228	43	87	1228	43
32	391	126	0.32	0.03	5.04	0.6	0.0788	1.0	1167.4	6.7	1168	20	100	1168	20
23	469	73	0.16	0.51	4.78	0.5	0.0851	0.9	1219.6	6.5	1317	17	93	1317	17
8	536	102	0.19	0.88	4.28	0.5	0.0934	0.7	1344.7	6.2	1496	14	90	1496	14
20	503	133	0.26	0.03	4.03	0.5	0.0904	0.8	1429.3	7.3	1434	14	100	1434	14
3	301	87	0.29	0.21	3.18	0.6	0.1090	0.8	1760.5	10.6	1783	14	99	1783	14

TABLE DR2. COMPLETE U-Pb ZIRCON DATA COLLECTED BY LA-MC-ICPMS

Spot	Composition			Isotopic ratios						Apparent ages (Ma)										
	(ppm)	(ppm)	U	Th	Th/U	206Pb	207Pb*	±	206Pb*	±	error	206Pb*	± 1s	207Pb*	± 1s	207Pb*	± 1s	Conc	Best	± 1s
						204Pb	235U	(%)	238U	(%)	corr.	238U	(Ma)	235U	(Ma)	206Pb*	(Ma)	(%)	Age (Ma)	(Ma)
89MC-74: Chlorite schist (3, 445727, 7190674)																				
62	816	1007	1.23			3477	0.79035	2.06	0.09755	1.80	0.87	600	11	591	16	558	11	108	600	11
38	204	453	2.22			4957	0.81485	2.41	0.09991	1.61	0.67	614	10	605	20	573	19	107	614	10
40	102	162	1.59			4958	0.85719	6.29	0.10709	1.02	0.16	656	7	629	53	532	68	123	656	7
43	60	61	1.01			2964	0.90938	6.31	0.11164	0.71	0.11	682	5	657	57	570	68	120	682	5
29	126	200	1.59			4097	0.89394	5.07	0.10813	1.23	0.24	662	9	649	45	602	53	110	662	9
73	132	244	1.85			2174	1.04179	4.12	0.12201	1.86	0.45	742	15	725	43	672	39	110	742	15
11	120	111	0.93			2953	1.09654	3.68	0.12882	2.01	0.55	781	17	752	40	665	33	117	781	17
59	108	100	0.93			2238	1.08641	3.13	0.12456	1.47	0.47	757	12	747	34	717	29	106	757	12
64	132	54	0.41			1963	1.53744	2.42	0.16453	0.90	0.37	982	10	946	37	862	23	114	982	10
71	936	1300	1.39			3340	0.63907	3.63	0.07790	3.50	0.96	484	18	502	23	585	10	83	484	18
39	126	74	0.58			2084	0.68894	4.71	0.08231	1.24	0.26	510	7	532	33	629	49	81	510	7
91	486	1080	2.22			5631	0.77909	1.96	0.09074	0.95	0.48	560	6	585	15	683	18	82	560	6
2	1326	1052	0.79			8310	0.80213	0.74	0.09427	0.60	0.81	581	4	598	6	664	5	87	581	4
90	438	608	1.39			5472	0.78949	1.76	0.09472	1.17	0.66	583	7	591	14	620	14	94	583	7
21	408	504	1.23			6975	0.84612	1.99	0.09509	1.08	0.54	586	7	623	17	759	18	77	586	7
98	1404	248	0.18			6477	0.80542	3.12	0.09592	3.00	0.96	591	19	600	25	636	9	93	591	19
75	492	322	0.65			4933	0.85196	1.39	0.09770	0.66	0.48	601	4	626	12	716	13	84	601	4
30	1302	254	0.19			19071	0.84487	0.95	0.09781	0.86	0.91	602	5	622	8	696	4	86	602	5
35	306	567	1.85			9168	0.82971	2.25	0.09825	1.56	0.69	604	10	613	19	648	17	93	604	10
28	246	456	1.85			4258	0.86121	2.44	0.10126	1.08	0.44	622	7	631	21	663	23	94	622	7
27	264	587	2.22			5973	0.85319	1.39	0.10137	0.86	0.62	622	6	626	12	641	12	97	622	6
74	276	341	1.23			5138	0.86704	2.45	0.10285	1.62	0.66	631	11	634	21	644	20	98	631	11
12	306	283	0.93			4453	0.92454	2.82	0.10297	1.76	0.62	632	12	665	26	778	23	81	632	12
16	180	167	0.93			3221	0.88365	2.66	0.10302	0.63	0.24	632	4	643	24	681	28	93	632	4
45	102	189	1.85			3096	0.85581	3.51	0.10305	1.29	0.37	632	9	628	30	612	35	103	632	9
9	216	300	1.39			4994	0.92476	1.76	0.10323	0.61	0.35	633	4	665	16	773	17	82	633	4
3	384	474	1.23			1214	0.86063	5.73	0.10331	1.43	0.25	634	10	631	49	619	60	102	634	10
8	264	196	0.74			1954	0.91616	2.14	0.10559	0.85	0.40	647	6	660	20	706	21	92	647	6
55	54	60	1.11			2164	0.90683	10.04	0.10562	1.75	0.17	647	12	655	88	683	106	95	647	12
10	204	324	1.59			4817	0.93688	2.11	0.10793	0.46	0.22	661	3	671	20	707	22	93	661	3
79	306	567	1.85			7645	0.96558	1.54	0.11029	0.83	0.54	674	6	686	15	725	14	93	674	6
36	132	73	0.56			3974	1.05626	5.22	0.11156	1.54	0.30	682	11	732	55	889	52	77	682	11
49	42	n/a	n/a			2158	0.94623	13.77	0.11184	1.71	0.12	683	12	676	124	652	147	105	683	12
69	42	78	1.85			1101	0.96227	6.77	0.11188	1.50	0.22	684	11	685	64	687	70	100	684	11
100	132	64	0.48			1127	1.10810	4.46	0.11663	2.67	0.60	711	20	757	49	896	37	79	711	20
87	486	318	0.65			20746	1.04386	1.79	0.11718	1.12	0.62	714	8	726	19	762	15	94	714	8
33	96	97	1.01			4291	1.16253	4.66	0.11770	1.32	0.28	717	10	783	54	976	45	73	717	10
58	84	104	1.23			2123	1.10944	5.95	0.12591	1.68	0.28	765	14	758	65	739	60	103	765	14
25	582	647	1.11			8860	1.19210	1.28	0.12745	0.90	0.70	773	7	797	15	864	9	90	773	7
93	78	96	1.23			2608	1.28775	3.24	0.13922	1.34	0.41	840	12	840	42	840	31	100	840	12
20	78	108	1.39			2384	1.45384	5.03	0.14120	2.95	0.59	851	27	912	72	1060	41	80	851	27
72	300	111	0.37			7491	1.58336	1.88	0.15780	1.16	0.62	945	12	964	30	1008	15	94	945	12
23	348	276	0.79			15841	1.78609	0.99	0.17036	0.73	0.74	1014	8	1040	18	1096	7	93	1096	7
57	672	156	0.23			2416	1.88026	0.94	0.17781	0.82	0.87	1055	9	1074	18	1113	5	95	1113	5
80	84	93	1.11			2982	1.92856	3.68	0.18122	1.33	0.36	1074	16	1091	70	1126	34	95	1126	34
41	186	103	0.56			9159	1.97761	1.82	0.18518	0.87	0.48	1095	10	1108	36	1133	16	97	1133	16
60	72	35	0.48			1403	2.08973	2.73	0.19338	1.35	0.49	1140	17	1145	56	1156	24	99	1156	24
94	276	35	0.13			15289	2.02920	1.10	0.18762	0.66	0.60	1109	8	1125	23	1158	9	96	1158	9
66	108	60	0.56			3414	2.19014	2.09	0.20239	1.31	0.63	1188	17	1178	45	1159	16	103	1159	16
47	54	46	0.85			4771	1.86049	5.53	0.16978	1.07	0.19	1011	12	1067	100	1184	54	85	1184	54
54	96	71	0.74			1172	2.17112	2.46	0.19597	0.95	0.39	1154	12	1172	53	1206	22	96	1206	22
5	480	485	1.01			10969	2.02085	0.79	0.18135	0.72	0.91	1074	8	1123	16	1217	3	88	1217	3
4	108	57	0.53			2689	2.15137	2.13	0.19231	0.97	0.46	1134	12	1166	46	1225	19	93	1225	19
13	720	267	0.37			7348	1.72288	2.99	0.15252	2.95	0.99	915	29	1017	51	1244	5	74	1244	5
95	186	230	1.23			9963	2.20464	2.31	0.19509	1.72	0.74	1149	22	1183	50	1245	15	92	1245	15
14	420	292	0.69			7623	1.90261	0.99	0.16693	0.90	0.91	995	10	1082	19	1261	4	79	1261	4
86	78	32	0.41			4689	2.50857	2.06	0.21942	0.97	0.47	1279	14	1275	51	1267	18	101	1267	18
61	342	66	0.19			1064	2.31272	4.00	0.20083	3.75	0.94	1180	48	1216	90	1281	14	92	1281	14
84	90	56	0.62			6712	2.64797													

52	78	72	0.93	2107	3.21251	2.19	0.25380	0.83	0.38	1458	14	1460	69	1463	19	100	1463	19
1	144	70	0.48	5375	3.33418	1.17	0.26342	0.91	0.78	1507	15	1489	39	1463	7	103	1463	7
32	54	46	0.85	3818	2.89631	3.00	0.22787	1.21	0.40	1323	18	1381	85	1471	26	90	1471	26
6	498	553	1.11	11131	2.71683	1.70	0.21341	1.65	0.97	1247	23	1333	46	1474	4	85	1474	4
97	90	59	0.65	4462	3.39677	1.92	0.26407	1.25	0.65	1511	21	1504	64	1494	14	101	1494	14
83	66	56	0.85	3625	3.37213	1.99	0.26194	1.01	0.51	1500	17	1498	66	1495	16	100	1495	16
70	78	41	0.53	5170	3.29414	1.64	0.25581	1.00	0.61	1468	17	1480	53	1496	12	98	1496	12
81	156	124	0.79	9914	2.88582	1.40	0.22334	0.81	0.58	1300	12	1378	40	1502	11	87	1502	11
26	366	239	0.65	24303	3.15395	0.76	0.23954	0.64	0.85	1384	10	1446	24	1538	4	90	1538	4
88	60	44	0.74	2435	3.40431	3.23	0.25348	1.55	0.48	1456	25	1505	106	1575	27	92	1575	27
85	72	62	0.85	6556	3.78271	2.35	0.27975	1.00	0.42	1590	18	1589	87	1588	20	100	1588	20
89	156	193	1.23	4943	3.32790	3.81	0.24590	3.53	0.93	1417	56	1488	121	1589	13	89	1589	13
50	264	733	2.78	2398	3.55287	1.85	0.26197	1.54	0.83	1500	26	1539	65	1593	10	94	1593	10
76	186	172	0.93	8869	3.62853	1.42	0.26517	1.16	0.82	1516	20	1556	51	1610	8	94	1610	8
19	366	271	0.74	10601	3.44954	1.02	0.25171	0.87	0.85	1447	14	1516	35	1613	5	90	1613	5
96	60	51	0.85	3905	3.95055	1.64	0.28719	1.35	0.82	1628	25	1624	64	1620	9	100	1620	9
99	216	240	1.11	19457	3.39976	1.49	0.24503	1.35	0.91	1413	21	1504	50	1636	6	86	1636	6
37	54	67	1.23	6100	3.61249	2.81	0.25774	1.02	0.36	1478	17	1552	98	1655	24	89	1655	24
48	42	58	1.39	4299	4.16622	2.54	0.28402	1.08	0.43	1612	20	1667	102	1738	21	93	1738	21
65	192	178	0.93	4626	4.33203	1.28	0.29443	0.89	0.70	1664	17	1700	55	1744	8	95	1744	8
92	240	62	0.26	15266	4.16290	1.21	0.28220	1.11	0.92	1602	20	1667	50	1749	4	92	1749	4
34	186	517	2.78	9220	3.86171	3.75	0.26159	1.17	0.31	1498	20	1606	137	1750	33	86	1750	33
17	156	158	1.01	5944	3.78378	1.34	0.25519	0.91	0.68	1465	15	1589	50	1758	9	83	1758	9
44	162	86	0.53	23420	5.00478	1.07	0.31638	0.91	0.85	1772	19	1820	53	1876	5	94	1876	5
31	330	44	0.13	25720	4.45919	0.92	0.28099	0.89	0.97	1596	16	1723	41	1881	2	85	1881	2
77	78	58	0.74	9648	17.05394	1.06	0.56106	1.04	0.98	2871	37	2938	168	2984	2	96	2984	2

89LMC-30: Chlorite schist (3, 444110, 7203657)

84	35	50	1.43	9020	0.77741	19.28	0.09886	1.52	0.08	608	10	584	142	493	212	123	608	10
4	1105	1315	1.19	1760	0.76026	1.48	0.09515	1.02	0.69	586	6	574	11	528	12	111	586	6
20	1700	810	0.48	35815	0.73473	0.61	0.08414	0.37	0.61	521	2	559	5	719	5	72	521	2
90	485	577	1.19	4248	0.75572	6.25	0.08514	2.62	0.42	527	14	572	47	754	60	70	527	14
36	260	371	1.43	3691	0.79240	2.03	0.09361	0.91	0.45	577	6	593	16	653	19	88	577	6
31	945	844	0.89	55890	0.83710	1.13	0.09459	0.86	0.76	583	5	618	10	748	8	78	583	5
35	1135	540	0.48	9553	0.84592	1.30	0.09544	1.14	0.88	588	7	622	11	751	7	78	588	7
58	960	686	0.71	2071	0.80109	4.88	0.09576	1.86	0.38	590	12	597	39	628	49	94	590	12
24	405	482	1.19	5672	0.81488	3.01	0.09601	0.90	0.30	591	6	605	25	659	31	90	591	6
7	135	161	1.19	3600	0.81170	3.99	0.09642	0.88	0.22	593	6	603	32	641	42	93	593	6
79	330	196	0.60	3374	0.85925	2.17	0.09684	1.57	0.73	596	10	630	19	753	16	79	596	10
12	1225	2917	2.38	11931	0.85268	0.85	0.09696	0.61	0.72	597	4	626	7	734	6	81	597	4
5	360	286	0.79	21621	0.84289	2.04	0.09721	0.94	0.46	598	6	621	17	704	19	85	598	6
34	300	714	2.38	18807	0.85961	1.96	0.09748	0.46	0.23	600	3	630	17	740	20	81	600	3
44	280	250	0.89	9665	0.89118	2.28	0.09755	0.60	0.27	600	4	647	20	815	23	74	600	4
30	260	371	1.43	16160	0.84706	2.60	0.09765	0.90	0.34	601	6	623	22	705	26	85	601	6
6	150	153	1.02	9211	0.89056	5.15	0.09779	1.01	0.20	601	6	647	46	808	53	74	601	6
19	215	512	2.38	665277	0.87036	2.23	0.09828	0.75	0.34	604	5	636	20	749	22	81	604	5
2	560	333	0.60	51193	0.88698	1.35	0.09869	0.82	0.61	607	5	645	12	780	11	78	607	5
28	275	196	0.71	45226	0.90945	3.61	0.09900	0.75	0.21	609	5	657	33	826	37	74	609	5
22	260	464	1.79	1725230	0.87886	2.46	0.09902	0.62	0.25	609	4	640	22	754	25	81	609	4
64	160	190	1.19	16676	0.90411	2.93	0.09978	0.77	0.26	613	5	654	27	797	30	77	613	5
54	200	179	0.89	6454	0.84199	1.91	0.10010	0.95	0.50	615	6	620	16	640	18	96	615	6
37	230	149	0.65	85256	0.87006	2.24	0.10089	0.43	0.19	620	3	636	20	693	23	89	620	3
88	490	875	1.79	3682	0.93828	1.64	0.10148	0.74	0.45	623	5	672	16	839	15	74	623	5
92	140	200	1.43	56310	0.91190	3.82	0.10163	0.91	0.24	624	6	658	35	777	39	80	624	6
38	145	115	0.79	9033	0.87865	3.75	0.10177	1.24	0.33	625	8	640	33	695	38	90	625	8
87	140	167	1.19	6809	0.89110	3.39	0.10183	0.89	0.26	625	6	647	30	724	35	86	625	6
26	335	199	0.60	15247	0.94706	1.64	0.10235	0.62	0.38	628	4	677	16	841	16	75	628	4
17	180	214	1.19	7965	0.90564	2.27	0.10343	0.65	0.29	635	4	655	21	725	23	88	635	4
57	65	31	0.48	1982	0.86910	8.40	0.10348	1.74	0.21	635	12	635	72	636	88	100	635	12
14	260	371	1.43	4464	0.91472	2.60	0.10400	0.92	0.36	638	6	660	24	735	26	87	638	6
76	185	220	1.19	202940	0.99615	3.61	0.10563	0.94	0.26	647	6	702	36	881	36	73	647	6
56	560	571	1.02	6201	1.01182	1.37	0.10651	0.81	0.59	653	6	710	14	896	11	73	653	6
86	170	101	0.60	3232	0.93650	3.55	0.10679	0.64	0.18	654	4	671	33	729	37	90	654	4
73	575	821	1.43	49340	0.98168	1.38	0.10857	1.12	0.81	664	8	695	14	793	8	84	664	8
59	345	145	0.42	4718	0.98192	1.86	0.10881	0.88	0.47	666	6	695	18	789	17	84	666	6
78	125	128	1.02	5856	1.03840	4.49	0.10927	0.62	0.14	669	4	723	46	896	46	75	669	4
82	155	369	2.38	2575	0.98078	2.55	0.10996	1.37										

72	220	143	0.65	13752	1.04639	2.16	0.11596	1.29	0.59	707	10	727	23	789	18	90	707	10
99	135	241	1.79	5217	1.08527	4.58	0.11716	0.94	0.21	714	7	746	49	843	47	85	714	7
70	370	529	1.43	23694	1.09690	1.32	0.11793	1.14	0.86	719	9	752	15	852	7	84	719	9
32	165	131	0.79	18501	1.06824	2.34	0.11843	0.92	0.39	722	7	738	25	788	23	92	722	7
48	190	194	1.02	23912	1.10060	2.70	0.11876	1.03	0.38	723	8	754	30	844	26	86	723	8
50	110	79	0.71	2533	1.12202	3.94	0.11958	1.27	0.32	728	10	764	44	870	39	84	728	10
77	225	230	1.02	1516	1.07667	6.52	0.12004	1.45	0.22	731	11	742	69	776	67	94	731	11
83	280	400	1.43	23844	1.09527	2.22	0.12098	0.66	0.30	736	5	751	24	796	22	92	736	5
100	115	82	0.71	5378	1.08457	4.22	0.12108	0.54	0.13	737	4	746	46	773	44	95	737	4
85	140	125	0.89	1799	1.11299	2.76	0.12264	1.00	0.36	746	8	760	31	801	27	93	746	8
95	300	238	0.79	7905	1.19152	1.62	0.12829	0.97	0.60	778	8	797	19	849	13	92	778	8
65	65	58	0.89	10531	1.25717	5.18	0.13533	1.14	0.22	818	10	827	64	849	53	96	818	10
75	160	143	0.89	8405	1.44747	2.88	0.14071	1.11	0.39	849	10	909	41	1058	27	80	849	10
51	170	38	0.22	2662	1.47171	2.75	0.14327	1.69	0.61	863	16	919	40	1055	22	82	863	16
52	440	210	0.48	22078	1.43341	1.30	0.14526	0.66	0.51	874	6	903	19	974	11	90	874	6
49	335	199	0.60	5503	1.54472	1.01	0.14644	0.88	0.87	881	8	948	16	1108	5	80	881	8
47	55	33	0.60	11185	1.76314	4.69	0.17357	1.46	0.31	1032	16	1032	81	1032	45	100	1032	45
74	255	304	1.19	5241	1.64010	1.86	0.15249	1.28	0.69	915	13	986	31	1147	13	80	1147	13
67	140	71	0.51	8307	1.59159	2.77	0.14558	1.73	0.62	876	16	967	44	1179	21	74	1179	21
42	370	55	0.15	44575	1.99676	0.83	0.18238	0.57	0.69	1080	7	1114	17	1182	6	91	1182	6
16	290	104	0.36	5968	1.80232	1.78	0.16199	1.43	0.80	968	15	1046	32	1214	10	80	1214	10
55	825	842	1.02	4828	1.85556	2.18	0.16423	1.87	0.86	980	20	1065	40	1244	11	79	1244	11
18	100	65	0.65	15513	2.03273	2.37	0.17241	1.07	0.45	1025	12	1127	48	1327	21	77	1327	21
45	75	60	0.79	45746	2.12917	3.45	0.17629	2.04	0.59	1047	23	1158	72	1374	27	76	1374	27
94	160	229	1.43	2468	2.48585	1.60	0.20188	0.65	0.40	1185	8	1268	40	1411	14	84	1411	14
81	45	32	0.71	98367	3.02034	3.96	0.24094	1.15	0.29	1392	18	1413	115	1445	36	96	1445	36
1	195	139	0.71	21004	2.93447	1.08	0.23363	0.86	0.80	1354	13	1391	32	1449	6	93	1449	6
68	140	71	0.51	198996	2.46246	2.04	0.19580	1.48	0.73	1153	19	1261	50	1451	13	79	1451	13
43	365	163	0.45	101345	2.85793	1.99	0.21855	1.56	0.79	1274	22	1371	56	1525	12	84	1525	12
63	400	92	0.23	47191	2.70594	0.88	0.20164	0.55	0.63	1184	7	1330	24	1574	6	75	1574	6
25	295	301	1.02	23940	3.43939	1.21	0.25370	1.09	0.90	1458	18	1513	42	1593	5	91	1593	5
60	295	117	0.40	3101	3.34035	2.43	0.23738	1.84	0.76	1373	28	1491	79	1662	15	83	1662	15
62	370	115	0.31	30822	3.16819	1.43	0.22442	1.26	0.89	1305	18	1449	45	1668	6	78	1668	6
66	330	337	1.02	48237	4.20957	0.76	0.28505	0.63	0.83	1617	12	1676	32	1751	4	92	1751	4
96	115	274	2.38	24013	4.50832	1.21	0.30373	0.61	0.51	1710	12	1733	54	1760	10	97	1760	10
46	120	78	0.65	3999	5.06380	2.30	0.29999	2.06	0.90	1691	40	1830	112	1992	9	85	1992	9
23	90	40	0.45	14781	4.71258	1.80	0.27363	1.21	0.67	1559	21	1770	83	2027	12	77	2027	12
89LMC-58: Chlorite schist (3, 441912, 7201990)																		
80	200	53	0.27	200461	1.85472	0.96	0.18332	0.38	0.40	1085	5	1065	18	1024	9	106	1024	9
77	224	329	1.47	10408	0.75041	2.16	0.09489	0.93	0.43	584	6	569	16	505	21	116	584	6
65	284	239	0.84	11263	0.78647	1.63	0.09726	0.99	0.61	598	6	589	13	554	14	108	598	6
50	132	97	0.74	1705	0.81126	2.57	0.09951	0.74	0.29	612	5	603	21	572	27	107	612	5
57	72	71	0.98	24039	0.83577	5.67	0.10337	1.21	0.21	634	8	617	47	554	60	114	634	8
79	60	59	0.98	19665	0.85985	4.91	0.10448	0.90	0.18	641	6	630	42	592	52	108	641	6
52	192	161	0.84	14677	0.91125	1.96	0.10875	0.72	0.37	666	5	658	18	631	20	105	666	5
100	168	141	0.84	17945	0.93646	1.68	0.11180	0.45	0.27	683	3	671	16	630	17	108	683	3
75	96	81	0.84	11049	1.00202	3.51	0.11845	0.84	0.24	722	6	705	35	652	37	111	722	6
39	456	61	0.13	19644	1.00772	1.13	0.11756	0.85	0.75	717	6	708	12	680	8	105	717	6
78	144	282	1.96	20351	1.03115	3.24	0.12105	0.73	0.23	737	6	720	33	666	34	111	737	6
46	184	32	0.17	14525	1.29715	1.24	0.14209	0.86	0.70	857	8	845	16	813	9	105	857	8
93	196	192	0.98	1851	0.74253	2.34	0.08416	1.09	0.47	521	6	564	18	741	22	70	521	6
24	120	71	0.59	15277	0.76032	3.18	0.08940	1.17	0.37	552	7	574	24	663	32	83	552	7
32	752	737	0.98	3775	0.77959	1.25	0.08996	1.04	0.83	555	6	585	10	703	7	79	555	6
19	300	126	0.42	17733	0.79487	1.73	0.09179	0.79	0.45	566	5	594	14	702	16	81	566	5
37	204	150	0.74	2744	0.77427	2.91	0.09199	1.87	0.64	567	11	582	23	641	24	89	567	11
48	880	863	0.98	4859	0.79083	2.31	0.09220	0.78	0.34	569	5	592	18	681	23	83	569	5
15	412	242	0.59	17410	0.79253	1.11	0.09235	0.62	0.56	569	4	593	9	682	10	83	569	4
43	944	925	0.98	11346	0.75221	1.06	0.09281	1.00	0.95	572	6	570	8	559	4	102	572	6
55	692	452	0.65	19142	0.76199	0.80	0.09322	0.44	0.55	575	3	575	6	578	7	99	575	3
25	200	78	0.39	7387	0.79658	1.69	0.09412	0.74	0.44	580	5	595	14	653	16	89	580	5
30	188	221	1.18	4406	0.82107	1.41	0.09460	0.75	0.54	583	5	609	12	706	13	83	583	5
22	400	784	1.96	24120	0.81323	1.45	0.09482	0.75	0.52	584	5	604	12	681	13	86	584	5
6	528	311	0.59	17432	0.81408	0.92	0.09507	0.51	0.56	585	3	605	8	678	8	86	585	3
58	716	468	0.65	20396	0.78543	0.69	0.09507	0.56	0.81	586	3	589	6	601	4	97	586	3
18	256	251	0.98	29557	0.79464	1.40	0.09515	0.54	0.39	586	3	594	11	624	14	94	586	3
44	356	262	0.74	12756	0.77899	1.43	0.09517	0.98	0.69	586	6	585	11	580	11	101	586	6
95	320	209	0.65	8386	0.80231	2.01	0.09570	0.60	0.30	589	4	598	16	632	21	93	589	4
23	132	34	0.26	27662														

94	252	165	0.65	27916	0.85229	2.04	0.09870	0.59	0.29	607	4	626	18	696	21	87	607	4
96	536	287	0.53	12557	0.83444	0.88	0.09923	0.47	0.54	610	3	616	7	639	8	95	610	3
12	160	157	0.98	22904	0.86828	3.14	0.09976	0.69	0.22	613	5	635	27	712	33	86	613	5
69	152	149	0.98	19750	0.83917	3.82	0.09991	0.87	0.23	614	6	619	32	636	40	97	614	6
92	108	91	0.84	30262	0.86949	4.30	0.10075	0.77	0.18	619	5	635	37	694	45	89	619	5
74	236	231	0.98	4435	0.86966	1.81	0.10086	0.83	0.46	620	5	635	16	692	17	90	620	5
16	504	329	0.65	11048	0.90408	1.38	0.10140	1.00	0.72	623	7	654	13	763	10	82	623	7
2	688	1012	1.47	12557	0.92066	0.97	0.10347	0.81	0.84	635	5	663	9	759	6	84	635	5
36	312	153	0.49	20531	0.85847	1.25	0.10360	0.63	0.51	636	4	629	11	607	12	105	636	4
53	48	71	1.47	4736	0.92411	9.45	0.10401	1.22	0.13	638	8	665	85	756	99	84	638	8
13	136	160	1.18	4170	0.87715	2.83	0.10417	0.99	0.35	639	7	639	25	642	29	100	639	7
98	72	53	0.74	10259	0.87713	6.70	0.10443	0.77	0.12	640	5	639	58	636	72	101	640	5
11	96	113	1.18	6062	0.93628	2.52	0.10583	0.58	0.23	649	4	671	24	747	26	87	649	4
41	112	94	0.84	7670	0.92858	2.99	0.10638	0.84	0.28	652	6	667	28	719	31	91	652	6
5	148	218	1.47	16730	0.90817	1.88	0.10665	1.18	0.63	653	8	656	17	666	16	98	653	8
3	160	72	0.45	4852	0.98276	2.72	0.10668	1.36	0.50	654	9	695	27	832	25	79	654	9
90	184	271	1.47	2292	0.97296	4.27	0.10742	0.78	0.18	658	5	690	41	797	44	83	658	5
45	80	20	0.26	2008	1.01650	6.71	0.10811	2.37	0.35	662	17	712	67	874	65	76	662	17
49	96	51	0.53	122626	0.92758	3.62	0.10936	0.94	0.26	669	7	666	34	657	37	102	669	7
51	36	42	1.18	3295	0.92854	14.86	0.10951	1.26	0.09	670	9	667	131	657	159	102	670	9
21	80	59	0.74	641147	1.04253	3.50	0.11009	0.78	0.22	673	6	725	36	889	35	76	673	6
89	236	56	0.24	32888	0.96027	2.04	0.11023	1.22	0.60	674	9	683	20	714	17	94	674	9
67	92	68	0.74	6566	0.95383	3.55	0.11041	1.01	0.28	675	7	680	34	696	36	97	675	7
27	156	115	0.74	72331	0.98675	3.14	0.11129	0.51	0.16	680	4	697	31	752	33	90	680	4
73	188	92	0.49	2697	0.97235	2.15	0.11139	0.60	0.28	681	4	690	21	719	22	95	681	4
42	80	94	1.18	5877	0.98688	4.36	0.11159	0.91	0.21	682	7	697	43	746	45	91	682	7
68	64	42	0.65	12448	0.95920	6.86	0.11162	1.23	0.18	682	9	683	65	685	72	100	682	9
56	200	168	0.84	1225783	0.97419	2.07	0.11330	0.50	0.24	692	4	691	20	686	21	101	692	4
82	216	159	0.74	4559	0.98178	1.51	0.11376	0.96	0.64	695	7	695	15	694	12	100	695	7
84	116	171	1.47	2138	0.97444	5.73	0.11397	1.16	0.20	696	9	691	55	674	60	103	696	9
99	188	21	0.11	15078	0.99562	1.60	0.11475	0.79	0.50	700	6	702	16	706	15	99	700	6
85	104	153	1.47	4956	0.99219	4.23	0.11565	1.31	0.31	706	10	700	42	682	43	103	706	10
71	100	24	0.24	21493	0.99537	3.49	0.11613	0.90	0.26	708	7	702	35	680	36	104	708	7
1	20	39	1.96	2112	1.00904	25.86	0.11679	1.94	0.08	712	15	708	236	697	275	102	712	15
66	316	69	0.22	37471	1.05460	1.48	0.11694	1.20	0.81	713	9	731	16	787	9	91	713	9
54	224	120	0.53	1723	1.05337	2.50	0.11902	1.72	0.69	725	13	731	26	748	19	97	725	13
61	92	54	0.59	13165	1.07396	4.16	0.11932	0.67	0.16	727	5	741	44	783	43	93	727	5
28	240	32	0.13	112647	1.16844	1.23	0.12684	0.82	0.67	770	7	786	15	832	10	93	770	7
81	208	175	0.84	7373195	1.31770	2.26	0.13098	1.01	0.45	794	9	854	30	1013	21	78	794	9
83	52	51	0.98	4725	1.24760	3.62	0.13673	1.17	0.32	826	10	822	45	812	36	102	826	10
40	124	66	0.53	5367	1.72412	1.28	0.17155	0.69	0.54	1021	8	1018	22	1011	11	101	1011	11
72	96	40	0.42	16413	2.05667	2.04	0.19254	0.82	0.40	1135	10	1135	42	1133	19	100	1133	19
47	176	148	0.84	8721	2.06869	1.26	0.19172	0.58	0.46	1131	7	1139	26	1153	11	98	1153	11
38	212	89	0.42	8169	2.04868	1.12	0.18982	0.80	0.71	1120	10	1132	23	1154	8	97	1154	8
86	164	80	0.49	68230	3.09799	1.09	0.24910	0.70	0.65	1434	11	1432	34	1430	8	100	1430	8
97	20	24	1.18	13389	3.49245	7.78	0.26205	0.96	0.12	1500	16	1526	244	1561	72	96	1561	72
31	248	208	0.84	54771	3.22468	1.14	0.23777	0.95	0.83	1375	15	1463	37	1593	6	86	1593	6
62	128	94	0.74	24535	4.35402	0.77	0.30569	0.60	0.78	1720	12	1704	34	1684	4	102	1684	4
70	192	125	0.65	40512	5.70123	0.92	0.34379	0.83	0.90	1905	18	1932	52	1960	4	97	1960	4
7	40	47	1.18	14737	6.96488	1.40	0.36988	0.89	0.64	2029	21	2107	94	2184	9	93	2184	9
60	56	22	0.39	33115	9.84070	1.82	0.39605	1.59	0.87	2151	40	2420	167	2655	7	81	2655	7

03SP-10b: Biotite quartzite (3, 490912, 7201107)

62	358	224	0.63	10889	0.62630	8.94	0.08202	5.41	0.61	508	26	494	35	428	159	119	508	26
52	597	1112	1.86	17215	0.67907	5.36	0.08781	0.92	0.17	543	5	526	22	456	117	119	543	5
23	854	1087	1.27	27443	0.66171	5.40	0.08474	0.84	0.16	524	4	516	22	477	118	110	524	4
68	282	190	0.67	9167	0.68888	8.45	0.08848	1.89	0.22	547	10	532	35	471	182	116	547	10
91	332	276	0.83	13046	0.69851	9.82	0.08836	2.83	0.29	546	15	538	41	504	207	108	546	15
19	56	41	0.73	3727	0.79057	8.11	0.09996	2.91	0.36	614	17	592	36	505	167	122	614	17
69	446	179	0.40	4570	0.77406	11.12	0.09699	2.59	0.23	597	15	582	49	525	238	114	597	15
66	427	217	0.51	7762	0.89260	4.43	0.10984	1.06	0.24	672	7	648	21	565	94	119	672	7
21	231	48	0.21	7054	0.89168	9.44	0.10911	1.59	0.17	668	10	647	45	577	203	116	668	10
15	344	217	0.63	15657	0.87657	5.15	0.10599	1.71	0.33	649	11	639	24	603	105	108	649	11
59	290	371	1.28	7234	0.95226	6.28	0.11741	3.21	0.51	716	22	679	31	560	118	128	716	22
55	508	383	0.75	15686	0.98076	4.82	0.11816	2.83	0.59	720	19	694	24	611	84	118	720	19
87	1623	1339	0.83	36062	0.66104	2.55	0.07785	1.61	0.63	483	8	515	10	660	42	73	483	8
73	695	814	1.17	13259	0.66984	5.69	0.08168	1.25	0.22	506	6	521						

16	127	69	0.54	1018	0.75275	21.94	0.08817	3.66	0.17	545	19	570	96	671	468	81	545	19
38	780	362	0.46	16382	0.72651	6.28	0.08840	3.19	0.51	546	17	555	27	589	117	93	546	17
9	338	138	0.41	8395	0.77236	9.80	0.09007	5.26	0.54	556	28	581	43	681	177	82	556	28
97	290	225	0.78	12861	0.74144	11.09	0.09013	1.97	0.18	556	11	563	48	591	237	94	556	11
63	560	403	0.72	15167	0.75292	8.48	0.09024	7.10	0.84	557	38	570	37	622	100	90	557	38
95	146	62	0.42	2194	0.76714	23.03	0.09091	2.98	0.13	561	16	578	102	646	497	87	561	16
50	398	398	1.00	5165	0.73263	9.66	0.09136	1.94	0.20	564	11	558	42	536	208	105	564	11
60	459	226	0.49	12236	0.77865	6.84	0.09243	1.55	0.23	570	9	585	30	643	143	89	570	9
26	336	130	0.39	9731	0.76359	12.33	0.09283	3.43	0.28	572	19	576	54	591	258	97	572	19
72	350	138	0.39	2069	0.78135	12.40	0.09355	1.78	0.14	577	10	586	55	624	265	92	577	10
81	810	469	0.58	9660	0.80543	6.37	0.09451	4.37	0.69	582	24	600	29	667	99	87	582	24
46	92	60	0.65	3996	0.80777	6.98	0.09693	2.98	0.43	596	17	601	32	619	136	96	596	17
90	126	79	0.63	4570	0.87512	28.25	0.09783	1.91	0.07	602	11	638	135	770	605	78	602	11
45	393	218	0.55	14579	0.85565	8.48	0.09792	1.86	0.22	602	11	628	40	721	176	84	602	11
13	698	514	0.74	17172	0.83314	4.63	0.09833	3.14	0.68	605	18	615	21	655	73	92	605	18
93	741	910	1.23	21635	0.84125	5.33	0.09843	1.71	0.32	605	10	620	25	674	108	90	605	10
42	87	78	0.90	1725	0.85731	12.46	0.09908	5.05	0.41	609	29	629	59	700	243	87	609	29
33	1751	523	0.30	58701	0.87653	2.06	0.09989	1.42	0.69	614	8	639	10	730	32	84	614	8
78	1931	726	0.38	47617	0.88839	1.98	0.10209	1.02	0.52	627	6	646	9	712	36	88	627	6
25	66	46	0.70	1547	0.95660	11.41	0.10268	2.82	0.25	630	17	682	57	855	230	74	630	17
76	406	448	1.10	20312	0.89221	5.76	0.10341	0.83	0.14	634	5	648	28	694	122	91	634	5
40	222	102	0.46	6699	0.95524	8.19	0.10361	0.85	0.10	636	5	681	41	834	170	76	636	5
88	120	88	0.73	2685	0.99393	13.80	0.10450	2.46	0.18	641	15	701	70	898	281	71	641	15
20	444	226	0.51	11097	0.89018	6.29	0.10485	1.24	0.20	643	8	647	30	659	132	98	643	8
96	270	131	0.49	4898	0.95414	8.73	0.10503	1.77	0.20	644	11	680	43	803	179	80	644	11
51	608	440	0.72	17767	0.92635	4.21	0.10659	1.37	0.33	653	9	666	21	709	85	92	653	9
18	213	177	0.83	9751	0.94248	10.79	0.10658	2.71	0.25	653	17	674	53	746	221	88	653	17
54	1698	457	0.27	41641	0.92673	3.51	0.10692	3.04	0.87	655	19	666	17	704	37	93	655	19
64	759	711	0.94	24319	0.93593	4.39	0.10845	0.99	0.23	664	6	671	22	694	91	96	664	6
44	422	256	0.61	8839	0.96201	6.80	0.10913	1.69	0.25	668	11	684	34	739	139	90	668	11
99	644	415	0.64	13641	0.98489	4.54	0.11088	1.46	0.32	678	9	696	23	755	91	90	678	9
71	238	175	0.74	10489	1.53950	10.63	0.15373	6.13	0.58	922	53	946	66	1004	177	92	922	53
30	46	28	0.61	3738	1.74805	6.07	0.17182	4.06	0.67	1022	38	1026	39	1036	91	99	1036	91
98	248	118	0.48	4339	2.01294	4.64	0.19229	1.02	0.22	1134	11	1120	32	1093	91	104	1093	91
27	412	138	0.33	24993	1.92452	2.77	0.18133	1.21	0.44	1074	12	1090	19	1121	50	96	1121	50
85	220	58	0.26	14696	1.67751	8.53	0.15713	7.25	0.85	941	64	1000	54	1132	89	83	1132	89
86	87	35	0.40	3546	1.87104	5.90	0.17283	2.79	0.47	1028	27	1071	39	1160	103	89	1160	103
36	255	110	0.43	36081	2.14362	5.41	0.19733	1.56	0.29	1161	17	1163	38	1167	103	99	1167	103
53	98	47	0.48	5528	2.15101	4.97	0.19694	4.11	0.83	1159	44	1165	35	1177	55	98	1177	55
77	43	40	0.93	3458	1.96612	5.00	0.17917	3.56	0.71	1062	35	1104	34	1187	69	90	1187	69
47	389	194	0.50	31124	2.24666	2.76	0.20002	1.35	0.49	1175	15	1196	19	1233	47	95	1233	47
34	218	277	1.27	21899	2.55390	5.18	0.22013	1.68	0.32	1283	20	1288	38	1296	95	99	1296	95
80	759	323	0.43	56867	2.23915	2.46	0.18997	1.84	0.75	1121	19	1193	17	1327	32	84	1327	32
65	250	92	0.37	2699	1.95222	4.96	0.16268	3.07	0.62	972	28	1099	33	1361	75	71	1361	75
37	43	19	0.44	2892	2.87337	7.27	0.23833	6.51	0.90	1378	81	1375	55	1370	62	101	1370	62
10	1466	704	0.48	80979	2.15173	8.76	0.17331	8.55	0.98	1030	81	1166	61	1426	36	72	1426	36
75	167	63	0.38	11807	3.11384	2.37	0.24594	0.99	0.42	1418	13	1436	18	1464	41	97	1464	41
57	649	204	0.31	11874	3.23047	2.45	0.24767	1.91	0.78	1426	24	1465	19	1520	29	94	1520	29
43	64	28	0.44	4947	3.63305	3.81	0.26708	2.26	0.59	1526	31	1557	30	1599	57	95	1599	57
24	36	17	0.47	2234	2.67802	7.43	0.19628	4.08	0.55	1155	43	1322	55	1605	116	72	1605	116
39	150	167	1.11	14756	3.73091	3.18	0.26989	1.50	0.47	1540	21	1578	26	1629	52	95	1629	52
100	138	46	0.33	3949	3.92132	4.50	0.28275	1.12	0.25	1605	16	1618	36	1635	81	98	1635	81
14	28	29	1.04	1832	3.33747	5.04	0.23256	3.65	0.72	1348	44	1490	39	1698	64	79	1698	64
6	194	239	1.23	14349	4.05707	5.91	0.26876	2.54	0.43	1535	35	1646	48	1791	97	86	1791	97

03SP-14: Chlorite schist (3, 513296, 7207375)

35	240	242	1.01	37028	4.08259	2.72	0.30283	2.47	0.91	1705	37	1651	22	1582	21	108	1582	21
28	245	419	1.71	11891	0.51290	2.83	0.06900	2.51	0.89	430	10	420	10	367	29	117	430	10
41	469	487	1.04	19726	0.53034	1.59	0.07009	1.04	0.65	437	4	432	6	407	27	107	437	4
23	181	121	0.67	9485	0.55006	2.29	0.07296	1.02	0.45	454	4	445	8	399	46	114	454	4
11	162	134	0.83	8284	0.65518	2.45	0.08447	1.17	0.48	523	6	512	10	462	48	113	523	6
67	167	133	0.80	12065	0.68639	2.68	0.08756	2.26	0.84	541	12	531	11	486	32	111	541	12
59	165	199	1.20	12767	0.70109	2.82	0.08823	1.68	0.60	545	9	539	12	516	50	106	545	9
96	479	248	0.52	42802	0.89321	2.99	0.10699	1.38	0.46	655	9	648	14	623	57	105	655	9
91	438	107	0.24	32910	0.91760	2.89	0.10928	1.41	0.49	669	9	661	14	636	54	105	669	9
99	1858	498	0.27	24081	0.48327	4.34	0.06223	4.23	0.98	389	16	400	14	465	21	84	389</	

5	492	384	0.78	19029	0.52468	1.84	0.06721	1.37	0.75	419	6	428	6	477	27	88	419	6
92	701	804	1.15	30234	0.52097	2.68	0.06855	1.00	0.37	427	4	426	9	417	55	102	427	4
47	347	395	1.14	13734	0.52136	2.10	0.06875	1.34	0.64	429	6	426	7	412	36	104	429	6
12	210	68	0.32	8439	0.52906	2.26	0.06943	1.31	0.58	433	5	431	8	423	41	102	433	5
57	1154	461	0.40	54801	0.53033	2.30	0.06956	1.24	0.54	434	5	432	8	424	43	102	434	5
70	280	189	0.67	14340	0.53662	3.33	0.07007	1.00	0.30	437	4	436	12	434	71	101	437	4
73	617	411	0.67	32034	0.55010	4.79	0.07022	1.24	0.26	437	5	445	17	484	102	90	437	5
4	724	478	0.66	17967	0.53979	3.36	0.07034	2.65	0.79	438	11	438	12	439	46	100	438	11
65	755	835	1.11	31994	0.53968	2.19	0.07037	1.49	0.68	438	6	438	8	437	36	100	438	6
20	241	94	0.39	10238	0.53837	2.28	0.07048	1.95	0.86	439	8	437	8	428	26	103	439	8
83	682	688	1.01	32022	0.55276	5.18	0.07135	3.49	0.67	444	15	447	19	460	85	97	444	15
90	312	152	0.49	14308	0.57328	3.96	0.07273	1.95	0.49	453	9	460	15	498	76	91	453	9
94	651	916	1.41	16011	0.59575	12.44	0.07331	2.94	0.24	456	13	475	47	565	264	81	456	13
77	365	132	0.36	23155	0.58024	2.01	0.07409	1.50	0.75	461	7	465	7	484	30	95	461	7
33	814	445	0.55	24800	0.57755	1.64	0.07412	1.38	0.84	461	6	463	6	473	19	98	461	6
22	742	416	0.56	19965	0.63827	3.57	0.07814	3.18	0.89	485	15	501	14	576	35	84	485	15
21	152	87	0.57	7278	0.61379	6.07	0.07898	1.38	0.23	490	7	486	23	467	131	105	490	7
51	292	119	0.41	18610	0.63432	3.35	0.08090	3.19	0.95	502	15	499	13	486	22	103	502	15
54	223	292	1.31	14057	0.66122	5.32	0.08157	2.93	0.55	505	14	515	21	559	97	90	505	14
31	659	343	0.52	23977	0.67634	6.62	0.08307	6.41	0.97	514	32	525	27	569	36	90	514	32
81	432	354	0.82	13894	0.72520	5.16	0.08655	2.48	0.48	535	13	554	22	631	98	85	535	13
27	349	337	0.97	21399	0.71477	1.68	0.08905	1.00	0.60	550	5	548	7	538	30	102	550	5
56	307	297	0.97	17701	0.73974	2.95	0.09126	1.33	0.45	563	7	562	13	559	57	101	563	7
79	83	40	0.48	5010	0.80288	6.54	0.09633	2.60	0.40	593	15	598	30	620	130	96	593	15
88	191	87	0.46	12736	0.84945	5.50	0.10258	2.73	0.50	630	16	624	26	606	103	104	630	16
18	259	191	0.74	14056	0.88689	6.51	0.10384	1.76	0.27	637	11	645	31	672	134	95	637	11
64	374	575	1.54	26266	0.89248	4.42	0.10665	3.73	0.84	653	23	648	21	628	51	104	653	23
13	247	88	0.36	16877	0.91957	2.70	0.10827	1.71	0.63	663	11	662	13	660	45	100	663	11
68	348	246	0.71	8295	1.32618	5.89	0.12767	5.53	0.94	775	40	857	34	1078	41	72	775	40
100	358	71	0.20	32170	1.47620	3.92	0.15114	3.12	0.79	907	26	921	24	953	49	95	907	26
76	395	159	0.40	33672	1.56374	5.31	0.15183	5.08	0.96	911	43	956	33	1060	31	86	911	43
39	309	188	0.61	28442	1.51332	1.58	0.15543	1.00	0.63	931	9	936	10	946	25	98	931	9
3	885	52	0.06	68443	1.54757	1.56	0.15778	1.06	0.68	944	9	950	10	961	23	98	944	9
1	198	84	0.42	17928	1.53116	8.60	0.15994	8.40	0.98	956	75	943	53	912	38	105	956	75
34	269	88	0.33	23480	1.63750	2.23	0.16308	1.62	0.73	974	15	985	14	1009	31	97	974	15
63	542	162	0.30	102331	1.67822	2.61	0.16789	1.32	0.50	1000	12	1000	17	1000	46	100	1000	46
50	486	168	0.35	68282	1.69235	2.02	0.16889	1.00	0.50	1006	9	1006	13	1005	36	100	1005	36
86	93	52	0.56	10511	1.67649	2.88	0.16675	1.14	0.40	994	11	1000	18	1012	54	98	1012	54
15	344	110	0.32	43779	1.72998	1.27	0.17072	1.01	0.79	1016	10	1020	8	1028	16	99	1028	16
45	148	69	0.47	17308	1.71371	4.66	0.16910	3.13	0.67	1007	29	1014	30	1028	70	98	1028	70
66	348	158	0.45	49154	1.87334	1.45	0.18106	1.00	0.69	1073	10	1072	10	1070	21	100	1070	21
82	135	52	0.38	20001	1.74563	3.60	0.16698	2.04	0.57	995	19	1026	23	1090	60	91	1090	60
98	544	89	0.16	68225	2.14705	3.13	0.20130	2.06	0.66	1182	22	1164	22	1130	47	105	1130	47
75	253	90	0.36	44094	2.06862	1.61	0.19296	1.09	0.68	1137	11	1138	11	1141	24	100	1141	24
85	170	68	0.40	21845	2.06536	2.04	0.19145	1.60	0.78	1129	17	1137	14	1153	25	98	1153	25
84	233	47	0.20	30861	1.99562	3.05	0.18144	1.71	0.56	1075	17	1114	21	1191	50	90	1191	50
58	963	326	0.34	66638	2.13015	4.61	0.19357	4.43	0.96	1141	46	1159	32	1192	25	96	1192	25
9	176	68	0.39	17988	2.32143	2.45	0.20752	1.54	0.63	1216	17	1219	17	1225	37	99	1225	37
16	165	58	0.35	24511	2.36921	1.47	0.21059	1.00	0.68	1232	11	1233	10	1236	21	100	1236	21
43	365	95	0.26	47438	2.29048	7.99	0.19917	7.85	0.98	1171	84	1209	57	1279	29	92	1279	29
61	407	42	0.10	75769	2.33723	4.09	0.20108	3.61	0.88	1181	39	1224	29	1300	38	91	1300	38
72	253	71	0.28	30323	2.48256	3.72	0.21325	3.43	0.92	1246	39	1267	27	1303	28	96	1303	28
69	167	65	0.39	31876	2.86655	1.79	0.23768	1.20	0.67	1375	15	1373	13	1371	25	100	1371	25
40	127	79	0.62	19185	2.87024	1.99	0.23723	1.61	0.81	1372	20	1374	15	1377	23	100	1377	23
26	239	80	0.34	31419	2.81910	1.15	0.23045	1.00	0.87	1337	12	1361	9	1398	11	96	1398	11
32	250	144	0.58	39461	3.10810	1.54	0.24883	1.00	0.65	1432	13	1435	12	1438	22	100	1438	22
89	61	24	0.40	14317	3.21961	2.39	0.25768	1.27	0.53	1478	17	1462	18	1439	38	103	1439	38
95	388	134	0.34	53629	3.16061	2.19	0.24854	1.75	0.80	1431	22	1448	17	1472	25	97	1472	25
55	204	111	0.55	61072	3.41438	2.66	0.26525	2.16	0.81	1517	29	1508	21	1495	29	101	1495	29
53	372	136	0.36	82255	3.54542	1.68	0.26930	1.31	0.78	1537	18	1537	13	1538	20	100	1538	20
78	167	103	0.62	29537	3.49484	1.33	0.26456	1.00	0.75	1513	13	1526	10	1544	16	98	1544	16
60	52	59	1.13	7828	3.46060	2.20	0.26014	1.31	0.59	1491	17	1518	17	1557	33	96	1557	33
49	82	75	0.91	9674	3.19121	3.30	0.23863	1.91	0.58	1380	24	1455	26	1567	51	88	1567	51
48	168	228	1.35	35593	4.00467	2.10	0.29197	1.66	0.79	1651	24	1635	17	1614	24	102	1614	24
30	75	75	1.01	13417	3.95423	3.60	0.28653	3.24	0.90	1624	47	1625	29	1626	29	100	1626	29
29	80	70	0.88	14383	3.91763	2.18	0.28319	1.00	0.46	1607	14	1617	18	1630	36	99	1630	36
93	111	73	0.66	19536	4.03122	1.82	0.28977	1.00	0.55	1640	14	164						

19	236	167	0.71	41403	4.52112	1.35	0.30515	1.00	0.74	1717	15	1735	11	1757	16	98	1757	16
17	180	48	0.27	36143	4.58530	1.63	0.30810	1.17	0.72	1731	18	1747	14	1765	21	98	1765	21
52	39	30	0.77	13621	12.78662	4.13	0.52030	4.03	0.98	2700	89	2664	39	2637	15	102	2637	15
87	85	110	1.30	24029	13.62328	2.72	0.51379	1.35	0.50	2673	29	2724	26	2762	39	97	2762	39

06BG-15: Biotite schist (3, 586645, 7239916)

79	1599	1007	0.63	66203	0.59407	5.42	0.07147	4.98	0.92	445	21	473	20	614	46	73	445	21
10	1017	949	0.93	25570	0.59264	8.74	0.07400	7.56	0.86	460	34	473	33	533	96	86	460	34
31	1762	49	0.03	62166	0.65211	2.66	0.07743	2.39	0.90	481	11	510	11	642	25	75	481	11
14	704	877	1.25	17190	0.67048	8.21	0.08027	7.62	0.93	498	37	521	33	624	66	80	498	37
99	1409	1718	1.22	39792	0.67720	5.53	0.08088	3.54	0.64	501	17	525	23	629	92	80	501	17
89	1363	1742	1.28	29672	0.71553	7.81	0.08445	6.53	0.84	523	33	548	33	655	92	80	523	33
52	1223	537	0.44	36440	0.71431	4.36	0.08523	3.00	0.69	527	15	547	18	632	68	83	527	15
25	141	88	0.62	11178	0.78770	6.95	0.08802	4.94	0.71	544	26	590	31	771	103	71	544	26
42	467	255	0.55	23054	0.74698	3.07	0.09003	2.90	0.95	556	15	566	13	610	22	91	556	15
60	1615	851	0.53	74503	0.77642	2.55	0.09011	1.60	0.63	556	9	583	11	691	42	80	556	9
71	718	681	0.95	35512	0.79359	4.46	0.09085	2.79	0.63	561	15	593	20	720	74	78	561	15
82	1396	1507	1.08	43379	0.78552	7.75	0.09342	5.77	0.74	576	32	589	35	639	112	90	576	32
33	440	328	0.74	14995	0.80844	2.89	0.09568	2.05	0.71	589	12	602	13	649	44	91	589	12
19	561	260	0.46	23641	0.86418	7.28	0.09603	6.27	0.86	591	35	632	34	783	78	75	591	35
61	836	663	0.79	32281	0.82583	2.23	0.09631	1.47	0.66	593	8	611	10	681	36	87	593	8
23	1208	1839	1.52	76456	0.77620	4.38	0.09683	2.50	0.57	596	14	583	19	535	79	111	596	14
90	331	519	1.57	19291	0.85840	6.08	0.09716	5.03	0.83	598	29	629	29	744	72	80	598	29
17	834	671	0.80	26884	0.82611	10.50	0.09776	10.16	0.97	601	58	611	48	649	57	93	601	58
68	215	474	2.20	13188	0.88073	3.23	0.09874	1.47	0.46	607	9	641	15	764	61	79	607	9
58	490	531	1.09	38788	0.87245	1.55	0.09944	1.00	0.64	611	6	637	7	729	25	84	611	6
22	523	400	0.77	49091	0.82598	4.94	0.10006	2.35	0.48	615	14	611	23	599	94	103	615	14
24	459	338	0.74	22726	0.83743	5.47	0.10064	4.03	0.74	618	24	618	25	616	80	100	618	24
27	248	123	0.50	11930	0.90390	3.29	0.10074	1.36	0.41	619	8	654	16	777	63	80	619	8
92	649	583	0.90	42270	0.84735	3.68	0.10118	2.33	0.63	621	14	623	17	630	61	99	621	14
75	337	286	0.85	16751	0.88188	4.00	0.10132	3.82	0.95	622	23	642	19	712	25	87	622	23
41	413	340	0.82	29653	0.84444	3.96	0.10147	2.98	0.75	623	18	622	18	616	56	101	623	18
81	109	130	1.19	4627	0.93031	6.05	0.10195	3.57	0.59	626	21	668	30	812	102	77	626	21
1	251	192	0.76	17914	0.90392	2.94	0.10213	1.43	0.49	627	9	654	14	748	54	84	627	9
98	115	101	0.88	5874	0.97415	4.90	0.10323	3.36	0.68	633	20	691	25	882	74	72	633	20
80	614	104	0.17	21818	0.96474	5.89	0.10351	4.91	0.83	635	30	686	29	856	68	74	635	30
93	580	22	0.04	22252	0.89585	4.80	0.10421	3.16	0.66	639	19	650	23	686	77	93	639	19
45	979	351	0.36	47224	0.91195	1.94	0.10434	1.36	0.70	640	8	658	9	721	30	89	640	8
66	250	361	1.45	11906	0.94609	3.23	0.10481	1.89	0.59	643	12	676	16	789	55	81	643	12
44	635	607	0.96	30378	0.91364	2.56	0.10527	2.36	0.92	645	14	659	12	706	21	91	645	14
48	106	90	0.85	6918	0.96968	8.58	0.10650	4.82	0.56	652	30	688	43	807	149	81	652	30
62	465	371	0.80	33014	0.95645	3.04	0.10689	2.87	0.94	655	18	681	15	771	21	85	655	18
85	212	241	1.14	9697	0.96294	2.31	0.10743	2.01	0.87	658	13	685	11	775	24	85	658	13
57	145	125	0.86	7245	0.98812	5.49	0.10750	4.58	0.83	658	29	698	28	827	63	80	658	29
97	435	336	0.77	29220	0.94859	8.41	0.10750	6.11	0.73	658	38	677	42	741	122	89	658	38
73	417	225	0.54	19725	0.97055	5.31	0.10818	2.27	0.43	662	14	689	27	777	101	85	662	14
76	411	600	1.46	24183	0.93940	1.75	0.11044	1.42	0.81	675	9	673	9	663	22	102	675	9
20	583	208	0.36	46371	0.93159	6.75	0.11104	5.14	0.76	679	33	668	33	634	94	107	679	33
59	453	355	0.78	26974	0.99979	4.59	0.11150	4.01	0.87	681	26	704	23	775	47	88	681	26
70	140	127	0.91	8242	0.97644	2.48	0.11154	2.24	0.90	682	14	692	12	725	23	94	682	14
67	1521	240	0.16	75318	1.07068	2.85	0.11176	2.30	0.81	683	15	739	15	913	35	75	683	15
30	539	327	0.61	33752	0.99357	3.23	0.11299	2.02	0.62	690	13	701	16	734	53	94	690	13
100	391	163	0.42	25128	1.02572	3.02	0.11467	1.85	0.61	700	12	717	16	770	50	91	700	12
39	139	108	0.78	10797	1.04652	7.31	0.11734	6.70	0.92	715	45	727	38	764	62	94	715	45
96	254	163	0.64	19181	1.10844	5.06	0.11910	3.93	0.78	725	27	757	27	853	66	85	725	27
83	369	164	0.45	21968	1.11262	6.33	0.12045	5.53	0.87	733	38	759	34	838	64	88	733	38
43	384	238	0.62	20727	1.26254	2.94	0.13552	2.75	0.94	819	21	829	17	855	21	96	819	21
63	1956	453	0.23	80450	1.41430	1.52	0.14111	1.15	0.75	851	9	895	9	1005	20	85	851	9
40	84	37	0.44	6963	1.47788	2.90	0.14290	2.71	0.93	861	22	921	18	1069	21	81	861	22
32	914	342	0.37	83452	1.54986	3.15	0.15585	2.96	0.94	934	26	950	19	989	22	94	934	26
54	319	257	0.80	31643	1.60851	3.09	0.15759	1.95	0.63	943	17	974	19	1042	48	91	943	17
37	470	192	0.41	34857	1.73820	3.36	0.16869	3.14	0.93	1005	29	1023	22	1061	24	95	1061	24
64	469	177	0.38	40857	1.83269	2.19	0.17420	1.87	0.86	1035	18	1057	14	1103	23	94	1103	23
78	268	156	0.58	17231	1.82901	2.04	0.17321	1.58	0.77	1030	15	1056	13	1110	26	93	1110	26
95	517	239	0.46	64023	1.78207	4.59	0.16867	1.46	0.32	1005	14	1039	30	1112	87	90	1112	87
46	143	180	1.26	12027	1.86886	7.33	0.17677	5.54	0.76	1049	54	1070	48	1113	96	94	1113	96
91	309	187	0.61	32761	1.908													

88	714	108	0.15	69553	2.74274	4.97	0.23428	3.77	0.76	1357	46	1340	37	1313	63	103	1313	63
16	1541	444	0.29	159318	2.53856	5.37	0.21527	3.63	0.68	1257	41	1283	39	1328	77	95	1328	77
11	595	241	0.40	34058	2.00456	18.41	0.16804	18.30	0.99	1001	170	1117	125	1350	37	74	1350	37
84	847	477	0.56	51885	2.43128	4.75	0.20374	3.58	0.75	1195	39	1252	34	1350	60	89	1350	60
36	78	46	0.59	9452	2.71755	2.18	0.22386	1.46	0.67	1302	17	1333	16	1383	31	94	1383	31
65	1637	812	0.50	147071	2.65468	1.94	0.21548	1.66	0.86	1258	19	1316	14	1412	19	89	1412	19
50	287	180	0.63	32836	2.98405	5.29	0.24221	3.07	0.58	1398	39	1404	40	1412	83	99	1412	83
69	428	61	0.14	55457	2.52815	5.51	0.20084	5.13	0.93	1180	55	1280	40	1453	38	81	1453	38
38	164	132	0.80	15855	3.25055	1.42	0.25623	1.00	0.71	1471	13	1469	11	1468	19	100	1468	19
55	406	272	0.67	46628	2.77482	5.25	0.21797	3.83	0.73	1271	44	1349	39	1474	68	86	1474	68
87	426	288	0.68	33184	3.12023	6.47	0.24067	2.44	0.38	1390	31	1438	50	1509	113	92	1509	113
56	308	492	1.60	40151	3.40617	2.78	0.26117	2.48	0.89	1496	33	1506	22	1520	24	98	1520	24
94	489	106	0.22	67805	3.20664	3.29	0.24520	1.32	0.40	1414	17	1459	25	1525	57	93	1525	57
7	234	251	1.07	33316	4.02872	5.56	0.29227	4.11	0.74	1653	60	1640	45	1624	70	102	1624	70
26	323	100	0.31	60799	3.72368	1.95	0.26991	1.50	0.77	1540	21	1576	16	1625	23	95	1625	23
5	131	140	1.07	26652	4.38719	3.55	0.30650	2.50	0.70	1723	38	1710	29	1693	46	102	1693	46
28	107	103	0.96	12434	4.03547	20.03	0.27030	19.50	0.97	1542	268	1641	164	1771	84	87	1771	84
51	257	35	0.14	29887	3.77530	4.09	0.25025	2.37	0.58	1440	31	1588	33	1790	61	80	1790	61
49	295	179	0.61	42778	4.83782	5.96	0.31783	4.57	0.77	1779	71	1791	50	1806	70	99	1806	70
72	211	111	0.53	16243	5.98198	2.88	0.34387	1.46	0.51	1905	24	1973	25	2045	44	93	2045	44

03JT-18: York Slate (3, 387731, 7275089)

SL9	241	54	0.22	9871	0.71863	5.71	0.08460	2.38	0.42	524	12	550	24	660	56	79	524	12
27R	112	50	0.44	4076	0.75622	10.32	0.08583	2.59	0.25	531	13	572	44	738	106	72	531	13
72R	137	607	4.45	5211	0.73329	6.44	0.08751	1.79	0.28	541	9	558	27	631	67	86	541	9
41R	88	55	0.63	4917	0.69538	8.33	0.08779	1.73	0.21	542	9	536	34	509	90	107	542	9
88R	98	87	0.89	2014	0.72892	15.35	0.08797	1.43	0.09	544	7	556	64	607	165	90	544	7
29R	82	66	0.80	2624	0.77737	13.81	0.08904	1.96	0.14	550	10	584	60	719	145	76	550	10
98R	77	42	0.55	3288	0.75666	17.24	0.08921	2.11	0.12	551	11	572	73	657	184	84	551	11
87R	82	40	0.48	3495	0.69888	19.76	0.08931	1.48	0.08	551	8	538	79	482	218	114	551	8
50R	180	108	0.60	2118	0.77049	12.45	0.08936	2.18	0.17	552	11	580	54	692	131	80	552	11
42R	36	25	0.70	1574	0.73170	41.43	0.09013	4.49	0.11	556	24	558	164	563	449	99	556	24
100F	53	36	0.69	1868	0.78025	14.37	0.09083	2.23	0.16	560	12	586	62	685	152	82	560	12
49R	150	86	0.57	5121	0.73528	7.04	0.09093	1.03	0.15	561	6	560	30	554	76	101	561	6
61R	245	180	0.73	5247	0.74177	6.06	0.09108	2.11	0.35	562	11	563	26	569	62	99	562	11
65R	34	24	0.72	1117	0.79447	27.65	0.09225	2.46	0.09	569	13	594	117	690	294	82	569	13
13A	123	67	0.55	5506	0.82437	11.16	0.09230	2.37	0.21	569	13	610	50	767	115	74	569	13
18R	69	56	0.81	2868	0.82583	16.39	0.09247	3.30	0.20	570	18	611	73	767	169	74	570	18
2R	74	57	0.76	2540	0.78449	12.65	0.09288	1.30	0.10	573	7	588	55	648	135	88	573	7
51R	654	582	0.89	21667	0.76696	2.54	0.09365	1.20	0.47	577	7	578	11	582	24	99	577	7
70R	55	71	1.28	3025	0.83333	16.37	0.09800	2.13	0.13	603	12	615	73	663	174	91	603	12
57R	336	273	0.81	7531	0.86735	4.80	0.09889	2.45	0.51	608	14	634	22	729	44	83	608	14
21R	122	34	0.28	4186	0.86389	6.76	0.10121	2.07	0.31	622	12	632	31	671	69	93	622	12
93R	59	36	0.62	2631	0.97230	14.93	0.10407	2.20	0.15	638	13	690	72	861	153	74	638	13
69R	74	42	0.56	2485	0.93699	13.53	0.10510	1.23	0.09	644	8	671	64	763	142	84	644	8
60R	176	164	0.93	7430	0.89277	5.44	0.10668	1.56	0.29	653	10	648	26	628	56	104	653	10
85R	158	100	0.63	7384	0.96778	4.73	0.10698	1.09	0.23	655	7	687	23	794	48	83	655	7
79R	127	87	0.68	6814	1.00368	8.66	0.10924	1.47	0.17	668	9	706	43	826	89	81	668	9
59R	169	106	0.63	9657	1.01179	6.24	0.11051	2.36	0.38	676	15	710	31	819	60	82	676	15
97R	77	51	0.66	3865	0.97941	10.08	0.11206	2.04	0.20	685	13	693	49	721	105	95	685	13
99R	96	75	0.77	3544	1.07382	9.38	0.11317	2.65	0.28	691	17	741	48	893	93	77	691	17
86R	192	307	1.59	10249	1.00195	5.39	0.11402	1.77	0.33	696	12	705	27	733	54	95	696	12
64R	114	127	1.11	4744	0.99482	8.10	0.11413	1.54	0.19	697	10	701	40	716	84	97	697	10
28R	36	13	0.37	1644	0.93949	27.59	0.11415	3.50	0.13	697	23	673	127	592	297	118	697	23
56R	70	32	0.45	2525	1.05750	13.35	0.11417	1.68	0.13	697	11	733	67	843	138	83	697	11
32A	72	133	1.84	3996	1.09198	8.36	0.11515	1.80	0.22	703	12	749	43	892	84	79	703	12
89R	150	153	1.02	9640	1.02849	4.79	0.11529	2.24	0.47	703	15	718	24	765	45	92	703	15
24R	229	120	0.52	13241	1.04805	3.44	0.11684	1.24	0.36	712	8	728	18	776	34	92	712	8
35A	45	43	0.96	2610	1.16811	15.10	0.11751	0.84	0.06	716	6	786	79	989	153	72	716	6
55R	57	43	0.76	2728	0.97791	12.01	0.11763	2.09	0.17	717	14	693	59	614	128	117	717	14
12A	74	46	0.62	1565	1.06539	14.44	0.11795	2.69	0.19	719	18	736	73	791	149	91	719	18
25R	98	222	2.25	4735	1.09628	6.97	0.11798	1.73	0.25	719	12	752	36	850	70	85	719	12
80R	88	95	1.08	3230	1.06982	9.81	0.11821	1.40	0.14	720	10	739	50	795	102	91	720	10
9R	16	2	0.09	769	1.18492	19.90	0.11841	5.04	0.25	721	34	794	104	1002	195	72	721	34
95R	90	71	0.79	3321	1.15439	8.80	0.11850	1.41	0.16	722	10	779	47	947	89	76	722	10
92A	85	76	0.89	4836	1.13699	10.24	0.11961	1.13	0.11	728	8	771	54	897	105	81	7	

10R	39	33	0.86	2191	1.30475	16.24	0.14444	1.71	0.11	870	14	848	89	791	169	110	870	14
68R	60	70	1.16	6305	1.59438	11.12	0.15518	1.85	0.17	930	16	968	67	1056	110	88	930	16
84R	20	11	0.55	1005	1.61542	16.71	0.16133	5.08	0.30	964	45	976	100	1003	162	96	964	45
5R	102	30	0.29	6702	1.81259	5.29	0.17590	2.26	0.43	1045	22	1050	34	1061	48	98	1061	48
78R	376	22	0.06	30124	1.82755	3.09	0.17444	1.87	0.61	1037	18	1055	20	1095	25	95	1095	25
91R	126	170	1.35	9011	1.82722	4.72	0.17311	3.84	0.81	1029	36	1055	30	1110	27	93	1110	27
96R	113	58	0.51	4891	1.93933	4.56	0.17937	1.62	0.36	1064	16	1095	30	1157	42	92	1157	42
73R	273	91	0.33	39609	2.20640	2.42	0.20006	1.91	0.79	1176	20	1183	17	1197	15	98	1197	15
62R	39	20	0.50	3650	2.18786	10.44	0.19271	2.80	0.27	1136	29	1177	70	1254	98	91	1254	98
20R	101	56	0.55	13124	2.74339	4.64	0.22534	1.37	0.30	1310	16	1340	34	1389	43	94	1389	43
52R	161	80	0.50	16648	2.87577	3.08	0.23347	2.37	0.77	1353	29	1376	23	1411	19	96	1411	19
26A	109	63	0.58	1814	2.93032	8.28	0.23688	1.43	0.17	1370	18	1390	61	1420	78	97	1420	78
44R	53	59	1.10	6005	2.69052	5.99	0.21750	2.75	0.46	1269	32	1326	43	1420	51	89	1420	51
54R	68	30	0.44	7231	3.12442	4.79	0.24946	2.02	0.42	1436	26	1439	36	1443	41	99	1443	41
74R	124	154	1.24	1862	3.11433	8.16	0.24745	2.23	0.27	1425	28	1436	61	1452	75	98	1452	75
19R	40	18	0.45	3535	2.35003	10.57	0.18196	3.44	0.33	1078	34	1228	73	1501	94	72	1501	94
46A	127	44	0.34	14366	3.91287	3.39	0.27524	2.91	0.86	1567	40	1616	27	1681	16	93	1681	16
6R	37	46	1.23	5070	4.00233	5.19	0.27866	1.80	0.35	1585	25	1635	41	1700	45	93	1700	45
58R	31	25	0.82	6445	4.18251	8.64	0.28916	3.19	0.37	1637	46	1671	68	1713	74	96	1713	74
14R	183	130	0.71	26041	4.40807	2.52	0.30155	1.97	0.78	1699	29	1714	21	1732	14	98	1732	14
48R	37	16	0.43	3393	3.49761	5.68	0.23739	1.17	0.21	1373	14	1527	44	1747	51	79	1747	51
75R	43	14	0.34	5714	4.94473	4.85	0.32351	2.89	0.60	1807	45	1810	40	1813	35	100	1813	35
3R	22	26	1.18	2498	5.79003	9.06	0.34750	1.00	0.11	1923	17	1945	76	1969	80	98	1969	80
83R	241	62	0.26	36658	5.30421	6.17	0.31573	5.73	0.93	1769	88	1870	51	1983	20	89	1983	20
34R	37	25	0.67	5806	5.79506	3.84	0.34377	1.82	0.47	1905	30	1946	33	1989	30	96	1989	30
7R	28	30	1.06	3959	6.13593	4.43	0.36282	1.83	0.41	1996	31	1995	38	1995	36	100	1995	36
11R	14	9	0.65	3020	7.20031	7.39	0.38642	1.78	0.24	2106	32	2137	64	2166	63	97	2166	63
36R	34	22	0.64	5971	10.64562	2.09	0.46146	1.22	0.58	2446	25	2493	19	2531	14	97	2531	14
16R	19	18	0.90	7532	11.27806	3.72	0.47503	1.53	0.41	2506	32	2546	34	2579	28	97	2579	28
53R	20	19	0.95	4973	13.03882	3.83	0.50586	2.79	0.73	2639	60	2682	36	2715	22	97	2715	22
22R	34	41	1.20	11481	13.15823	4.17	0.49503	3.46	0.83	2592	73	2691	39	2766	19	94	2766	19
31R	89	58	0.65	4764	19.61257	3.51	0.55845	2.96	0.84	2860	68	3072	33	3214	15	89	3214	15

07B-183: Biotite schist (3, 566089, 7224697)

87	235	104	0.44	37265	0.7311	3.7	0.0935	1.3	0.34	576	7	557	16	480	78	120	576	7
50	2547	1133	0.44	172515	0.6300	2.7	0.0792	2.2	0.81	491	10	496	11	519	35	95	491	10
2	562	273	0.49	67605	0.6383	2.0	0.0808	1.5	0.73	501	7	501	8	503	30	100	501	7
23	518	583	1.13	52685	0.6657	2.0	0.0823	1.4	0.69	510	7	518	8	555	32	92	510	7
33	893	232	0.26	75005	0.6708	1.8	0.0825	1.2	0.66	511	6	521	8	567	30	90	511	6
35	986	218	0.22	94080	0.6488	1.9	0.0828	1.3	0.70	513	6	508	7	484	29	106	513	6
1	57	40	0.69	7255	0.6578	4.6	0.0831	3.1	0.67	515	15	513	19	507	75	101	515	15
61	505	81	0.16	70675	0.6678	4.0	0.0835	1.5	0.36	517	7	519	16	531	82	97	517	7
73	383	180	0.47	18825	0.6957	2.1	0.0837	1.1	0.53	518	5	536	9	615	38	84	518	5
3	1334	233	0.17	152545	0.6922	3.9	0.0839	2.8	0.71	519	14	534	16	598	60	87	519	14
8	250	177	0.71	20685	0.6794	1.7	0.0841	1.0	0.61	520	5	526	7	553	29	94	520	5
6	392	174	0.44	33080	0.6834	4.0	0.0850	1.3	0.31	526	6	529	16	542	83	97	526	6
21	93	91	0.97	13240	0.6875	3.3	0.0857	2.1	0.63	530	11	531	14	536	56	99	530	11
95	552	186	0.34	68005	0.6930	2.2	0.0867	1.3	0.58	536	7	535	9	530	39	101	536	7
80	628	234	0.37	69110	0.6847	3.4	0.0867	2.7	0.80	536	14	530	14	503	44	106	536	14
17	379	160	0.42	55150	0.6964	2.4	0.0870	1.4	0.58	538	7	537	10	531	43	101	538	7
99	762	132	0.17	102485	0.7556	1.9	0.0881	1.0	0.53	544	5	571	8	682	34	80	544	5
5	452	609	1.35	49580	0.7077	3.5	0.0885	3.1	0.88	547	16	543	15	530	36	103	547	16
88	451	104	0.23	65705	0.7172	2.7	0.0887	2.1	0.77	548	11	549	12	554	38	99	548	11
84	333	106	0.32	79970	0.7328	1.9	0.0895	1.4	0.71	553	7	558	8	581	29	95	553	7
97	318	180	0.57	29460	0.7517	2.1	0.0914	1.0	0.50	564	6	569	9	590	40	96	564	6
4	554	253	0.46	66080	0.7545	2.1	0.0919	1.0	0.48	567	5	571	9	588	39	96	567	5
52	92	54	0.59	15805	0.7649	3.7	0.0920	2.4	0.64	567	13	577	16	614	62	92	567	13
64	365	56	0.15	72850	0.7366	5.2	0.0923	1.2	0.33	569	7	560	16	524	77	109	569	7
69	123	38	0.31	17435	0.7585	4.1	0.0926	3.3	0.80	571	18	573	18	581	54	98	571	18
82	105	49	0.47	22345	0.7570	5.2	0.0934	4.3	0.82	576	24	572	23	559	65	103	576	24
46	184	230	1.25	16375	0.7534	2.6	0.0939	1.1	0.41	578	6	570	11	538	52	107	578	6
49	120	109	0.91	9620	0.7658	1.9	0.0951	1.0	0.52	585	6	577	9	546	36	107	585	6
41	229	202	0.88	23910	0.7917	2.3	0.0964	1.0	0.43	593	6	592	11	588	46	101	593	6
96	312	157	0.50	41525	0.7934	2.3	0.0967	1.6	0.69	595	9	593	10	585	36	102	595	9
25	105	43	0.41	18465	0.7967	4.1	0.0968	1.0	0.24	595	6	595	19	593	87	100	595	6
60	698	369	0.53	108965	0.8156	2.8	0.0983	1.9	0.69	605	11	606	13	609	43	99	605	11
22	234	219	0.94	31780	0.8402	1.7	0.1007	1.1	0.66	618	7	619	8	622	28	99</td		

55	169	107	0.63	45550	0.8640	2.7	0.1035	1.4	0.53	635	9	632	13	624	49	102	635	9
11	338	207	0.61	43040	0.8750	2.7	0.1037	1.6	0.57	636	9	638	13	646	48	99	636	9
53	498	48	0.10	56650	0.8985	2.8	0.1038	1.0	0.36	637	6	651	13	701	55	91	637	6
42	544	227	0.42	55460	0.8854	1.8	0.1042	1.0	0.55	639	6	644	9	661	33	97	639	6
38	1707	100	0.06	206365	0.8873	2.9	0.1049	2.7	0.94	643	16	645	14	652	22	99	643	16
77	407	60	0.15	50950	0.9053	1.8	0.1053	1.4	0.75	646	8	655	9	686	25	94	646	8
70	295	86	0.29	38520	0.8906	1.7	0.1060	1.0	0.59	650	6	647	8	636	29	102	650	6
54	170	86	0.50	22370	0.8966	2.0	0.1066	1.0	0.50	653	6	650	10	640	37	102	653	6
75	858	53	0.06	166865	0.9008	4.8	0.1067	4.6	0.96	654	28	652	23	647	30	101	654	28
91	197	154	0.78	25690	0.9095	2.5	0.1073	1.4	0.57	657	9	657	12	656	43	100	657	9
43	313	93	0.30	38805	0.9062	1.9	0.1078	1.0	0.53	660	6	655	9	638	34	103	660	6
78	131	98	0.75	17795	0.9309	3.2	0.1104	1.4	0.43	675	9	668	16	645	63	105	675	9
89	147	48	0.33	30210	0.9434	2.1	0.1104	1.0	0.48	675	6	675	10	673	39	100	675	6
28	238	95	0.40	40490	0.9862	4.3	0.1146	4.0	0.92	699	26	697	22	688	36	102	699	26
81	275	67	0.24	47905	1.0799	3.5	0.1176	3.1	0.89	717	21	744	18	825	33	87	717	21
85	164	52	0.32	52985	1.0802	3.0	0.1190	1.2	0.39	725	8	744	16	800	57	91	725	8
14	328	48	0.15	63310	1.2214	3.3	0.1224	2.6	0.77	744	18	810	19	996	43	75	744	18
94	269	36	0.14	42635	1.2014	3.1	0.1276	1.1	0.34	774	8	801	17	877	59	88	774	8
67	335	83	0.25	57910	1.3473	10.5	0.1283	10.1	0.96	778	74	866	61	1099	56	71	778	74
74	117	45	0.38	31305	1.6489	4.3	0.1553	3.2	0.74	930	28	989	27	1122	58	83	1122	58
10	317	130	0.41	87600	2.0563	1.6	0.1921	1.0	0.64	1133	11	1134	11	1138	25	100	1138	25
24	870	248	0.29	235170	2.2225	3.6	0.2024	3.2	0.89	1188	35	1188	25	1188	33	100	1188	33
71	568	854	1.50	88035	2.1858	1.5	0.1972	1.0	0.68	1160	11	1177	10	1206	21	96	1206	21
57	234	154	0.66	110265	2.4205	2.9	0.2131	2.1	0.73	1245	24	1249	21	1254	38	99	1254	38
13	57	15	0.26	19870	2.2510	3.9	0.1972	3.2	0.84	1160	34	1197	27	1264	41	92	1264	41
79	460	47	0.10	68135	1.8412	5.2	0.1590	4.1	0.79	951	36	1060	34	1293	62	74	1293	62
27	275	45	0.16	66230	1.7809	3.2	0.1534	1.2	0.37	920	10	1039	21	1297	58	71	1297	58
86	151	51	0.33	62070	2.9629	2.0	0.2442	1.5	0.77	1409	19	1398	15	1382	24	102	1382	24
76	154	86	0.56	50975	3.1274	1.9	0.2533	1.0	0.53	1456	13	1439	15	1416	31	103	1416	31
19	1016	206	0.20	314400	2.9430	3.6	0.2377	2.5	0.68	1375	30	1393	27	1421	51	97	1421	51
40	360	127	0.35	100645	3.1199	1.5	0.2492	1.0	0.65	1434	13	1438	12	1443	22	99	1443	22
62	163	54	0.33	70845	3.1496	2.4	0.2512	1.0	0.42	1445	13	1445	18	1445	41	100	1445	41
26	416	91	0.22	166755	3.3425	2.8	0.2612	2.1	0.75	1496	29	1491	22	1484	35	101	1484	35
39	408	233	0.57	115000	3.1804	3.0	0.2454	2.5	0.82	1415	31	1452	23	1508	33	94	1508	33
20	210	123	0.58	96730	3.3946	3.0	0.2583	2.7	0.90	1481	36	1503	24	1534	25	97	1534	25
9	235	190	0.81	71210	3.4626	1.4	0.2504	1.0	0.71	1441	13	1519	11	1629	19	88	1629	19
92	217	150	0.69	56075	3.9953	3.0	0.2887	2.4	0.78	1635	34	1633	24	1631	35	100	1631	35
58	478	53	0.11	148300	3.3037	2.5	0.2368	2.0	0.81	1370	25	1482	19	1646	27	83	1646	27
45	282	184	0.65	79200	3.3601	3.8	0.2385	3.1	0.82	1379	38	1495	29	1664	40	83	1664	40
29	648	375	0.58	182945	3.7539	5.4	0.2575	5.1	0.94	1477	67	1583	43	1727	33	86	1727	33
90	221	108	0.49	101495	4.7314	3.5	0.3159	3.3	0.92	1770	50	1773	30	1777	26	100	1777	26
44	175	54	0.31	47720	4.1584	3.0	0.2726	2.9	0.94	1554	39	1666	25	1810	18	86	1810	18
47	753	398	0.53	160395	4.7738	2.2	0.3007	1.9	0.84	1695	28	1780	19	1882	22	90	1882	22
16	27	11	0.42	22625	14.1522	2.0	0.5319	1.4	0.71	2750	31	2760	19	2768	23	99	2768	23
93	163	30	0.19	119425	15.6787	1.7	0.5691	1.1	0.66	2904	26	2857	16	2825	21	103	2825	21
63	30	23	0.77	18595	14.5729	6.2	0.5114	5.5	0.89	2663	120	2788	59	2880	46	92	2880	46

03SP-30: Biotite quartzite (3, 449959, 7204155)

100	1108	419	0.38	74610	0.5272	3.2	0.0648	2.2	0.69	405	9	430	11	566	50	72	405	9
95	753	91	0.12	49090	0.5769	2.7	0.0693	1.9	0.69	432	8	462	10	618	42	70	432	8
45	394	83	0.21	32135	0.5560	2.1	0.0711	1.0	0.48	443	4	449	8	481	41	92	443	4
69	540	60	0.11	31275	0.6102	5.1	0.0722	4.2	0.83	449	18	484	20	650	61	69	449	18
64	190	139	0.73	14780	0.6070	4.0	0.0728	1.0	0.25	453	4	482	15	620	84	73	453	4
12	289	186	0.64	22140	0.5988	3.9	0.0749	1.0	0.26	466	4	476	15	529	82	88	466	4
18	2240	32	0.01	171690	0.6041	3.9	0.0758	1.6	0.42	471	7	480	15	523	77	90	471	7
92	1147	212	0.18	117775	0.6159	2.1	0.0772	1.4	0.66	479	6	487	8	525	35	91	479	6
6	1955	566	0.29	203055	0.6239	5.7	0.0777	1.0	0.18	483	5	492	22	537	123	90	483	5
51	978	28	0.03	48445	0.6579	2.4	0.0782	1.3	0.55	485	6	513	10	640	43	76	485	6
27	399	93	0.23	83320	0.6156	4.5	0.0783	1.8	0.40	486	8	487	17	493	92	99	486	8
75	670	189	0.28	66700	0.6615	2.7	0.0784	2.0	0.73	487	9	516	11	645	41	75	487	9
38	499	69	0.14	73405	0.6285	2.6	0.0784	1.8	0.67	487	8	495	10	534	43	91	487	8
23	343	135	0.39	104450	0.6354	4.8	0.0795	2.9	0.60	493	14	499	19	528	84	93	493	14
14	248	229	0.92	18305	0.6402	3.7	0.0799	2.6	0.71	496	12	502	15	533	57	93	496	12
17	1234	301	0.24	64430	0.6913	8.3	0.0821	7.3	0.88	509	35	534	34	641	85	79	509	35
84	873	207	0.24	110975	0.6787	1.8	0.0829	1.1	0.60	513	5	526	8	581	32	88	513	5
58	325	82	0.25	19320	0.7090	1.6	0.0837	1.0	0.63	518	5	544	7	655	26	79	518	5
54	72	44	0.62	4760	0.7238	5.7	0.0845	3.9	0.69	523	20	553	24	677	89	77	523	20
3	724	345	0.48	83445	0.6955	5.7	0.0848	2.2	0.39	525								

71	231	208	0.90	33235	0.7262	5.2	0.0885	3.3	0.64	547	17	554	22	585	86	93	547	17
19	487	294	0.60	47035	0.7540	3.1	0.0901	2.1	0.69	556	11	571	14	628	49	89	556	11
16	484	210	0.43	28640	0.7749	5.4	0.0914	2.1	0.39	564	11	583	24	657	106	86	564	11
37	118	71	0.60	21015	0.7513	3.0	0.0923	1.1	0.36	569	6	569	13	569	61	100	569	6
11	2326	184	0.08	165820	0.7840	3.7	0.0928	2.4	0.67	572	13	588	16	649	59	88	572	13
82	272	163	0.60	30655	0.7745	3.1	0.0934	2.4	0.80	575	13	582	14	610	40	94	575	13
60	755	152	0.20	60860	0.8056	3.7	0.0936	1.5	0.41	577	8	600	17	689	71	84	577	8
81	175	67	0.39	28310	0.7640	1.8	0.0937	1.0	0.55	577	6	576	8	572	33	101	577	6
59	2464	253	0.10	141200	0.7988	1.6	0.0939	1.1	0.69	578	6	596	7	665	24	87	578	6
31	505	33	0.06	65800	0.7757	3.6	0.0959	1.0	0.28	590	6	583	16	555	75	106	590	6
24	623	55	0.09	95460	0.8037	3.4	0.0962	2.3	0.66	592	13	599	16	624	56	95	592	13
62	428	65	0.15	40105	0.8410	5.9	0.0962	5.6	0.94	592	31	620	27	721	42	82	592	31
22	150	77	0.51	31045	0.7832	6.2	0.0963	2.1	0.34	593	12	587	28	567	127	105	593	12
39	112	28	0.25	17840	0.8293	4.0	0.0967	1.7	0.42	595	9	613	18	681	77	87	595	9
57	312	81	0.26	16550	0.8796	3.7	0.0967	1.0	0.27	595	6	641	18	804	75	74	595	6
10	1411	87	0.06	118230	0.8272	2.1	0.0972	1.0	0.47	598	6	612	10	664	40	90	598	6
47	198	95	0.48	24245	0.8135	2.9	0.0989	1.4	0.49	608	8	604	13	591	55	103	608	8
65	454	49	0.11	59570	0.8481	2.6	0.0997	2.2	0.82	613	13	624	12	663	32	92	613	13
8	853	115	0.14	110890	0.8570	2.0	0.1014	1.6	0.77	622	9	628	10	650	28	96	622	9
93	811	42	0.05	66150	0.8668	2.0	0.1014	1.0	0.50	623	6	634	9	673	37	93	623	6
56	454	220	0.48	39360	0.8641	3.2	0.1023	1.0	0.32	628	6	632	15	649	65	97	628	6
32	802	108	0.13	75505	0.8665	1.8	0.1023	1.1	0.63	628	7	634	8	654	30	96	628	7
63	342	114	0.33	36330	0.8589	2.4	0.1030	1.8	0.74	632	11	630	11	620	34	102	632	11
83	164	58	0.35	33235	0.8910	3.5	0.1040	1.8	0.51	638	11	647	17	679	65	94	638	11
43	303	116	0.38	27510	0.9173	2.3	0.1064	1.0	0.43	652	6	661	11	692	44	94	652	6
42	1233	142	0.12	100275	0.9180	1.8	0.1074	1.3	0.70	658	8	661	9	674	28	98	658	8
9	225	125	0.56	33190	0.9336	3.9	0.1093	2.6	0.67	669	17	670	19	672	62	100	669	17
53	521	75	0.14	38120	1.0360	3.5	0.1155	2.2	0.63	705	15	722	18	776	57	91	705	15
85	619	59	0.09	64855	1.1172	2.5	0.1191	2.2	0.86	725	15	762	14	870	27	83	725	15
89	372	84	0.22	64980	1.1346	4.6	0.1200	3.8	0.83	731	27	770	25	885	53	83	731	27
20	628	35	0.06	82475	1.1374	3.3	0.1213	1.4	0.42	738	10	771	18	869	62	85	738	10
87	285	21	0.08	49485	1.3109	2.8	0.1283	1.3	0.47	778	10	851	16	1044	50	75	778	10
50	214	25	0.12	48515	1.3162	5.0	0.1285	2.6	0.51	779	19	853	29	1049	86	74	779	19
1	631	109	0.17	110485	1.2983	5.4	0.1326	4.6	0.84	803	35	845	31	958	59	84	803	35
52	692	452	0.65	72770	1.4648	3.3	0.1446	2.1	0.63	871	17	916	20	1027	52	85	871	17
2	63	31	0.49	31145	1.5881	4.2	0.1594	2.1	0.51	953	19	966	26	994	73	96	994	73
41	180	33	0.19	104155	1.9224	2.8	0.1853	1.0	0.35	1096	10	1089	19	1075	53	102	1075	53
77	727	11	0.02	134200	1.8081	3.8	0.1696	1.0	0.26	1010	9	1048	25	1130	73	89	1130	73
67	469	191	0.41	82025	1.9723	1.5	0.1801	1.0	0.67	1068	10	1106	10	1182	22	90	1182	22
68	241	15	0.06	54960	1.8769	5.4	0.1699	5.3	0.98	1012	50	1073	36	1200	20	84	1200	20
28	317	35	0.11	110480	2.1151	3.9	0.1901	1.2	0.31	1122	13	1154	27	1214	73	92	1214	73
55	587	91	0.16	108210	2.1167	3.4	0.1861	3.1	0.90	1100	31	1154	24	1258	29	87	1258	29
76	227	50	0.22	63825	2.0229	2.8	0.1716	1.7	0.59	1021	16	1123	19	1327	44	77	1327	44
79	139	22	0.16	76940	2.5610	4.1	0.2141	2.8	0.67	1251	32	1290	30	1355	59	92	1355	59
90	166	40	0.24	51015	2.9065	3.1	0.2389	1.8	0.58	1381	22	1384	23	1388	48	99	1388	48
86	603	194	0.32	225190	2.9207	2.9	0.2314	2.1	0.73	1342	25	1387	22	1458	37	92	1458	37
74	326	232	0.71	154715	2.8952	7.7	0.2179	4.5	0.59	1271	52	1381	58	1555	117	82	1555	117
25	177	67	0.38	83210	3.1923	4.6	0.2363	2.2	0.49	1367	27	1455	35	1586	75	86	1586	75
44	640	188	0.29	197575	3.8435	2.0	0.2810	1.2	0.60	1596	17	1602	16	1609	30	99	1609	30
91	447	159	0.36	115160	3.4608	1.8	0.2490	1.1	0.60	1434	14	1518	14	1639	27	87	1639	27
15	689	208	0.30	219985	4.2621	2.4	0.2877	2.1	0.85	1630	30	1686	20	1756	24	93	1756	24
36	84	45	0.54	71465	4.8146	2.7	0.3200	1.1	0.38	1790	16	1787	23	1785	46	100	1785	46
49	246	36	0.15	97905	4.8117	1.8	0.3155	1.0	0.56	1768	15	1787	15	1810	27	98	1810	27
66	1316	162	0.12	283625	4.3480	2.8	0.2792	1.4	0.48	1588	19	1703	23	1847	45	86	1847	45
80	94	44	0.46	111200	4.6094	5.8	0.2902	4.9	0.84	1642	71	1751	48	1883	57	87	1883	57
96	123	51	0.41	45940	4.0227	4.5	0.2531	3.7	0.83	1455	49	1639	37	1884	45	77	1884	45
94	218	118	0.54	87920	6.3835	1.8	0.3586	1.0	0.55	1976	17	2030	16	2086	26	95	2086	26

03SP-28: Graphitic schist (3, 449109, 7188865)

95	600	942	1.57	38350	0.3945	1.9	0.0510	1.0	0.53	321	3	338	5	456	36	70	321	3
93	763	861	1.13	44710	0.4076	3.4	0.0529	3.2	0.95	332	10	347	10	449	25	74	332	10
36	248	160	0.65	36855	0.4018	6.1	0.0531	5.4	0.89	333	18	343	18	408	62	82	333	18
30	214	25	0.12	35595	0.4312	6.3	0.0552	3.6	0.57	346	12	364	19	480	114	72	346	12
68	905	449	0.50	21850	0.4674	2.0	0.0586	1.0	0.49	367	4	389	7	524	39	70	367	4
100	729	729	1.00	66315	0.4452	2.2	0.0588	1.8	0.82	368	7	374	7	409	29	90	368	7
56	1404	713	0.51	97075	0.4503	3.5	0.0596	3.4	0.96	373	12	377	11	405	22	92	373	12
42	809	644	0.80	74485	0.4467	3.8	0.0596	1.0	0.26	373	4	375	12	386	83	97	373	4
11	362	343	0.95	51685	0.4807	4.9	0.0617	1.9	0.40	386	7	399	16	47				

20	562	487	0.87	57020	0.4847	3.1	0.0650	1.0	0.33	406	4	401	10	374	65	108	406	4
27	217	194	0.89	38065	0.4874	2.9	0.0652	1.7	0.59	407	7	403	10	381	52	107	407	7
46	307	239	0.78	44290	0.4906	3.0	0.0652	1.8	0.59	407	7	405	10	396	55	103	407	7
88	755	990	1.31	44265	0.5076	1.6	0.0653	1.0	0.61	408	4	417	6	468	29	87	408	4
14	345	54	0.16	39740	0.5204	5.7	0.0655	3.6	0.63	409	14	425	20	514	96	80	409	14
65	518	772	1.49	34785	0.4997	2.2	0.0660	1.6	0.70	412	6	412	8	409	36	101	412	6
51	165	176	1.07	21065	0.5170	3.5	0.0667	2.3	0.65	416	9	423	12	461	59	90	416	9
60	548	405	0.74	48455	0.5095	1.6	0.0673	1.2	0.77	420	5	418	5	410	22	102	420	5
3	520	841	1.62	91100	0.5205	4.6	0.0673	1.4	0.30	420	6	426	16	457	97	92	420	6
52	634	547	0.86	62165	0.5111	2.3	0.0674	1.0	0.44	421	4	419	8	411	45	102	421	4
19	205	126	0.61	38230	0.5319	5.8	0.0677	2.2	0.39	422	9	433	20	492	118	86	422	9
21	516	162	0.31	62285	0.5426	2.7	0.0677	1.2	0.43	422	5	440	10	534	53	79	422	5
67	284	304	1.07	18370	0.5427	4.2	0.0680	3.9	0.92	424	16	440	15	527	35	80	424	16
28	240	283	1.18	32050	0.5210	3.9	0.0682	1.5	0.37	425	6	426	14	429	81	99	425	6
26	266	226	0.85	16895	0.5606	3.7	0.0684	1.0	0.27	426	4	452	14	585	78	73	426	4
74	460	493	1.07	46935	0.5217	1.8	0.0685	1.5	0.82	427	6	426	6	423	22	101	427	6
41	384	384	1.00	47510	0.5293	3.5	0.0685	1.4	0.40	427	6	431	12	454	71	94	427	6
55	437	471	1.08	76770	0.5174	1.9	0.0687	1.1	0.57	428	4	423	7	397	35	108	428	4
24	138	79	0.57	30865	0.5377	5.8	0.0687	3.1	0.54	428	13	437	21	482	109	89	428	13
75	643	362	0.56	72955	0.5303	1.7	0.0688	1.4	0.79	429	6	432	6	449	23	96	429	6
50	298	459	1.54	54700	0.5314	2.4	0.0689	1.0	0.41	430	4	433	9	449	50	96	430	4
61	488	710	1.45	62530	0.5184	2.0	0.0689	1.5	0.76	430	6	424	7	393	29	109	430	6
22	163	104	0.64	56205	0.5213	7.3	0.0692	1.0	0.14	431	4	426	26	399	163	108	431	4
63	402	238	0.59	64905	0.5395	2.7	0.0702	2.4	0.90	437	10	438	10	443	26	99	437	10
39	201	144	0.72	38545	0.5515	5.6	0.0704	1.0	0.18	439	4	446	20	483	121	91	439	4
6	396	308	0.78	49045	0.5531	3.2	0.0709	2.2	0.66	442	9	447	12	474	54	93	442	9
58	591	1668	2.82	54050	0.5581	1.9	0.0720	1.6	0.83	448	7	450	7	462	24	97	448	7
23	502	285	0.57	77575	0.5564	3.5	0.0728	1.0	0.29	453	4	449	13	429	75	106	453	4
25	153	73	0.48	35040	0.5583	4.6	0.0729	1.0	0.22	454	4	450	17	433	99	105	454	4
43	559	327	0.58	89690	0.5794	1.9	0.0737	1.0	0.51	459	4	464	7	491	37	93	459	4
85	457	197	0.43	54740	0.5964	3.2	0.0750	2.7	0.85	466	12	475	12	517	37	90	466	12
92	170	156	0.92	28020	0.5862	2.5	0.0754	1.0	0.40	468	5	468	9	468	51	100	468	5
69	161	66	0.41	15340	0.6259	4.0	0.0772	1.6	0.41	479	8	494	16	560	80	86	479	8
40	18	7	0.40	4300	0.6100	18.1	0.0793	1.8	0.10	492	9	484	70	443	403	111	492	9
2	212	131	0.62	26855	0.6275	2.9	0.0794	1.0	0.35	493	5	495	11	504	59	98	493	5
37	204	65	0.32	42085	0.6484	4.6	0.0827	1.0	0.22	512	5	507	19	486	100	105	512	5
94	218	287	1.32	31580	0.6782	2.5	0.0838	2.0	0.83	519	10	526	10	557	30	93	519	10
70	111	88	0.79	16345	0.6677	4.4	0.0840	3.2	0.73	520	16	519	18	516	67	101	520	16
81	799	347	0.43	103465	0.6910	2.0	0.0857	1.1	0.56	530	6	533	8	549	37	97	530	6
84	453	344	0.76	55560	0.7616	2.3	0.0927	1.6	0.69	572	9	575	10	588	36	97	572	9
9	202	163	0.81	63850	0.7359	4.4	0.0929	1.0	0.23	573	5	560	19	509	93	113	573	5
13	778	561	0.72	120350	0.7991	2.4	0.0954	1.3	0.55	588	7	596	11	630	43	93	588	7
89	227	291	1.28	27910	0.8342	2.6	0.0967	2.0	0.74	595	11	616	12	695	38	86	595	11
76	103	97	0.94	32810	0.7983	5.5	0.0968	4.5	0.82	595	26	596	25	598	68	100	595	26
83	76	73	0.97	8035	0.9233	4.0	0.1025	2.8	0.71	629	17	664	19	785	59	80	629	17
71	98	126	1.28	16075	0.8808	2.7	0.1052	1.0	0.37	645	6	641	13	630	54	102	645	6
54	74	46	0.62	20955	0.9264	3.3	0.1091	1.8	0.55	667	11	666	16	660	58	101	667	11
96	117	57	0.49	32615	0.9947	1.9	0.1124	1.3	0.67	687	8	701	10	748	30	92	687	8
86	386	59	0.15	73985	1.4520	1.8	0.1482	1.4	0.76	891	12	911	11	958	24	93	891	12
90	546	57	0.10	96455	1.4912	3.4	0.1514	3.2	0.95	909	27	927	20	969	21	94	909	27
17	169	81	0.48	41545	1.5336	2.7	0.1565	2.4	0.91	937	21	944	16	960	22	98	937	21
66	212	60	0.28	26295	1.5595	4.5	0.1572	3.4	0.75	941	29	954	28	985	60	96	941	29
29	340	37	0.11	129595	1.6004	5.5	0.1599	3.1	0.56	956	27	970	34	1003	92	95	1003	92
77	62	20	0.33	24385	1.7017	3.8	0.1679	1.0	0.27	1000	10	1009	24	1028	73	97	1028	73
31	121	109	0.90	63750	1.7511	4.9	0.1716	1.7	0.34	1021	16	1028	32	1041	93	98	1041	93
18	148	63	0.43	52515	1.8000	2.4	0.1717	1.5	0.62	1022	14	1045	15	1095	37	93	1095	37
79	182	31	0.17	68245	1.7258	3.4	0.1635	1.5	0.44	976	13	1018	22	1110	62	88	1110	62
8	73	37	0.50	25505	2.0457	4.7	0.1922	1.1	0.23	1133	11	1131	32	1126	91	101	1126	91
16	255	79	0.31	97675	2.1457	2.3	0.1954	1.2	0.53	1150	13	1164	16	1188	39	97	1188	39
12	163	72	0.44	62355	2.2274	2.4	0.2004	1.9	0.78	1178	20	1190	17	1212	30	97	1212	30
82	44	29	0.65	16890	2.3639	2.3	0.2063	1.7	0.71	1209	18	1232	16	1272	32	95	1272	32
45	249	56	0.23	90565	2.3226	3.8	0.1900	1.2	0.32	1122	13	1219	27	1396	69	80	1396	69
5	91	59	0.65	57180	2.8688	4.3	0.2347	1.1	0.26	1359	14	1374	32	1397	79	97	1397	79
35	67	31	0.47	35830	2.8866	3.7	0.2322	2.2	0.60	1346	27	1378	28	1429	57	94	1429	57
32	412	30	0.07	279435	3.8903	2.8	0.2844	1.0	0.36	1614	14	1612	23	1609	49	100	1609	49
44	294	340	1.16	75985	2.9338	2.8	0.2119	1.9	0.67	1239	21	1391	21	1632	38	76	1632	38
72	81	63	0.78	42740	4.4195	1.6	0.3058	1.1	0.69	1720	17	1716	13	1711	21	100	1711	21
80	152	65	0.43	125400	4.5522	5.1	0.3136	1.0	0.20	1758	15	1741	42	1719	92	102	1719	92
99	35	18	0.50	26225	4.0238	2.9	0.2750	2.1	0.74	1566	29	1639	23	1734	35	90	1734	35
9																		

1	113	72	0.63	3154	0.5028	13.3	0.0655	1.9	0.14	409	7	414	45	441	295	93	409	7
3	138	68	0.49	16708	2.2472	10.0	0.1998	9.2	0.91	1174	98	1196	71	1235	80	95	1235	80
4	262	619	2.36	8276	0.5382	5.7	0.0712	4.6	0.80	443	20	437	20	405	77	109	443	20
6	129	62	0.48	10564	1.6232	2.4	0.1655	1.0	0.43	988	10	979	15	961	44	103	961	44
8	199	95	0.48	11916	1.5709	4.5	0.1451	1.3	0.30	873	11	959	28	1160	86	75	1160	86
9	73	71	0.98	9388	2.2967	4.7	0.2056	1.7	0.37	1206	19	1211	33	1221	85	99	1221	85
10	340	111	0.33	37192	1.9633	2.9	0.1882	1.8	0.61	1112	18	1103	20	1086	46	102	1086	46
11	69	126	1.83	11206	4.4086	4.1	0.3053	3.4	0.82	1718	51	1714	34	1709	43	100	1709	43
12	77	56	0.73	20882	4.7377	6.7	0.3226	4.0	0.60	1802	63	1774	56	1741	98	104	1741	98
13	114	118	1.03	7282	0.7232	3.7	0.0905	1.9	0.52	559	10	553	16	527	70	106	559	10
14	337	169	0.50	38862	2.6039	4.6	0.2185	3.4	0.75	1274	40	1302	34	1348	59	94	1348	59
15	407	497	1.22	24526	1.0135	4.0	0.1168	3.7	0.92	712	25	711	21	706	33	101	712	25
16	197	164	0.83	6344	0.7154	2.1	0.0889	1.6	0.74	549	8	548	9	544	32	101	549	8
18	157	244	1.55	5514	0.8040	3.1	0.0981	1.7	0.55	603	10	599	14	584	56	103	603	10
19	146	68	0.46	19316	5.4261	2.9	0.3312	1.4	0.46	1844	22	1889	25	1938	46	95	1938	46
20	255	568	2.23	4148	0.4417	6.6	0.0568	5.7	0.86	356	20	371	20	468	75	76	356	20
21	793	1672	2.11	19752	0.5531	2.5	0.0713	1.0	0.40	444	4	447	9	464	51	96	444	4
22	186	230	1.24	4680	0.4440	3.6	0.0600	3.2	0.89	376	12	373	11	358	37	105	376	12
23	156	101	0.64	5232	0.7688	5.3	0.0916	4.9	0.91	565	26	579	24	636	48	89	565	26
26	80	92	1.15	3820	0.7031	5.7	0.0856	1.6	0.28	530	8	541	24	587	119	90	530	8
27	294	347	1.18	7432	0.5187	5.4	0.0658	2.6	0.47	411	10	424	19	498	105	83	411	10
28	1024	2165	2.12	27146	0.5460	3.5	0.0695	2.4	0.68	433	10	442	12	492	56	88	433	10
33	61	84	1.37	1716	0.4268	10.8	0.0614	5.5	0.51	384	21	361	33	213	216	181	384	21
34	115	212	1.84	3430	0.4648	6.6	0.0612	1.2	0.19	383	5	388	21	416	146	92	383	5
35	343	333	0.97	12404	0.6699	3.2	0.0833	1.4	0.43	516	7	521	13	543	64	95	516	7
36	1069	872	0.82	18960	0.4829	4.9	0.0621	2.6	0.53	389	10	400	16	467	93	83	389	10
39	79	113	1.43	2804	0.4157	7.3	0.0590	4.7	0.64	370	17	353	22	246	130	150	370	17
40	50	61	1.22	9012	3.4395	5.1	0.2657	3.6	0.70	1519	48	1513	40	1506	69	101	1506	69
41	51	56	1.08	8062	11.2837	3.5	0.4389	2.8	0.79	2346	55	2547	33	2711	35	87	2711	35
42	591	206	0.35	30258	1.5250	2.5	0.1457	1.7	0.69	877	14	940	15	1092	36	80	1092	36
44	267	176	0.66	25522	3.6293	5.5	0.2747	4.8	0.87	1565	66	1556	44	1544	50	101	1544	50
45	665	833	1.25	26578	0.7541	2.7	0.0897	1.7	0.62	554	9	571	12	637	45	87	554	9
47	464	208	0.45	15600	0.4701	2.1	0.0614	1.2	0.57	384	4	391	7	434	38	88	384	4
49	245	368	1.50	14488	0.7679	3.0	0.0949	1.0	0.33	584	6	579	13	556	62	105	584	6
50	392	345	0.88	10653	0.4509	4.1	0.0604	1.0	0.24	378	4	378	13	377	91	100	378	4
52	270	155	0.58	6975	0.4215	4.5	0.0564	1.6	0.35	354	5	357	14	380	95	93	354	5
53	311	66	0.21	13119	0.8427	2.2	0.0981	1.3	0.57	603	7	621	10	685	39	88	603	7
54	475	136	0.29	41202	2.0648	2.2	0.1878	1.7	0.76	1110	17	1137	15	1190	28	93	1190	28
55	438	125	0.29	22554	0.8411	2.6	0.0994	1.0	0.39	611	6	620	12	653	50	94	611	6
57	405	129	0.32	33942	2.6582	2.1	0.2154	1.0	0.48	1258	11	1317	15	1415	35	89	1415	35
58	299	206	0.69	22452	2.1584	1.5	0.1967	1.0	0.68	1158	11	1168	10	1187	21	98	1187	21
59	343	354	1.03	19098	0.6256	3.1	0.0780	1.4	0.44	484	6	493	12	536	61	90	484	6
60	706	113	0.16	77313	1.8100	2.2	0.1720	1.0	0.46	1023	9	1049	14	1103	38	93	1103	38
61	135	71	0.53	8274	0.6901	5.4	0.0833	1.9	0.36	516	10	533	23	607	110	85	516	10
63	131	81	0.62	22719	2.6023	2.7	0.2207	1.5	0.55	1286	18	1301	20	1327	44	97	1327	44
64	123	31	0.25	27324	3.0880	7.0	0.2289	4.1	0.58	1329	49	1430	54	1584	106	84	1584	106
65	184	191	1.04	14631	0.7449	4.8	0.0917	1.0	0.21	566	5	565	21	564	102	100	566	5
67	124	56	0.45	26778	2.2999	3.7	0.2053	1.0	0.27	1204	11	1212	26	1227	70	98	1227	70
68	67	49	0.74	5940	0.4379	6.9	0.0613	1.0	0.15	383	4	369	21	279	156	137	383	4
70	854	127	0.15	34980	0.4312	5.1	0.0566	1.8	0.35	355	6	364	16	421	107	84	355	6
72	133	168	1.26	14430	0.9304	3.1	0.1095	1.3	0.43	670	8	668	15	661	60	101	670	8
73	120	108	0.90	19353	0.6001	4.0	0.0776	1.2	0.30	482	6	477	15	456	86	106	482	6
74	194	64	0.33	24405	0.7861	4.0	0.0950	1.9	0.48	585	11	589	18	604	77	97	585	11
75	222	287	1.29	21882	0.9975	1.9	0.1139	1.0	0.52	696	7	703	10	725	35	96	696	7
76	82	27	0.33	18213	3.4586	3.3	0.2638	1.6	0.48	1509	21	1518	26	1530	54	99	1530	54
77	631	226	0.36	29427	0.4271	3.0	0.0584	1.7	0.57	366	6	361	9	331	57	111	366	6
78	366	38	0.10	26376	0.8359	3.0	0.0998	1.9	0.63	613	11	617	14	630	50	97	613	11
79	441	153	0.35	25053	0.8909	2.7	0.1027	1.0	0.36	630	6	647	13	706	54	89	630	6
80	261	49	0.19	46452	3.0433	3.5	0.2446	1.8	0.52	1411	23	1419	27	1430	57	99	1430	57
81	336	187	0.56	22602	0.4966	3.8	0.0624	1.3	0.33	390	5	409	13	519	79	75	390	5
83	610	499	0.82	26838	0.4579	3.0	0.0615	1.0	0.34	385	4	383	9	372	63	103	385	4
84	729	167	0.23	52116	1.6812	1.8	0.1620	1.0	0.55	968	9	1001	12	1075	30	90	1075	30
85	148	96	0.65	10944	0.7514	5.5	0.0934	2.7	0.48	576	15	569	24	543	105	106	576	15
86	265	271	1.02	27633	0.9978	5.0	0.1162	4.1	0.82	708	28	703	26	684	61	103	708	28
87	352	290	0.82	15762	0.8743	3.0	0.1015	1.5	0.51	623	9	638	14	691	54	90	623	9
88	259	65	0.25	29628	3.8308	1.8	0.2573	1.2	0.69	1476	16	1599	15	1766	24	84	1766	24
89	89	98	1.10	4947	0.7550	6.2	0.0930	1.0	0.16	573	5	571	27	564	133	102	573	5
90	93	65	0.70	5679	0.7702	3.2	0.0934	1.0	0.31	576	6	580	14	596	66	97	576	6
91	155	69	0.45	31413	1.7594	4.3	0.1736	2.3	0.52	1032	22	1031	28					

95	73	21	0.29	12480	1.3256	4.7	0.1313	1.5 0.32	796	11	857	27	1019	90	78	796	11
96	1169	956	0.82	50040	0.4786	4.2	0.0618	1.0 0.24	387	4	397	14	458	90	85	387	4
97	1246	513	0.41	40149	0.5370	2.0	0.0696	1.0 0.51	434	4	436	7	451	39	96	434	4
98	81	98	1.21	14472	4.2934	1.9	0.3000	1.0 0.54	1691	15	1692	15	1693	29	100	1693	29
99	805	633	0.79	20328	0.8228	3.9	0.0943	1.4 0.36	581	8	610	18	719	78	81	581	8
101	245	131	0.54	49953	5.1812	4.3	0.3383	2.2 0.50	1879	35	1850	37	1817	68	103	1817	68
102	249	171	0.69	30519	3.6585	4.3	0.2782	1.5 0.34	1582	20	1562	34	1536	76	103	1536	76
104	359	455	1.27	17184	0.6833	4.8	0.0841	1.6 0.34	521	8	529	20	564	99	92	521	8
106	153	134	0.88	30990	4.6416	3.8	0.2924	2.0 0.52	1654	29	1757	32	1882	58	88	1882	58
107	219	31	0.14	31530	1.5658	4.0	0.1612	1.9 0.48	963	17	957	25	942	72	102	963	17
109	215	116	0.54	10617	0.5588	6.5	0.0731	1.1 0.17	455	5	451	24	430	143	106	455	5
110	194	230	1.18	10656	0.5682	5.8	0.0725	3.0 0.51	451	13	457	21	484	111	93	451	13
112	191	258	1.35	16032	0.7875	3.4	0.0977	1.0 0.29	601	6	590	15	546	71	110	601	6
113	453	698	1.54	42990	0.7831	5.1	0.0948	3.4 0.66	584	19	587	23	600	83	97	584	19
115	73	57	0.78	15576	2.9196	6.5	0.2359	2.1 0.32	1365	26	1387	49	1421	117	96	1421	117
116	55	21	0.38	19236	4.7216	5.2	0.3066	1.0 0.19	1724	15	1771	43	1827	92	94	1827	92
117	98	24	0.25	18090	2.7006	7.9	0.2184	5.3 0.67	1273	61	1329	59	1419	112	90	1419	112
118	411	91	0.22	38490	0.7208	4.9	0.0889	1.3 0.25	549	7	551	21	559	104	98	549	7
119	240	113	0.47	13806	0.4593	3.6	0.0625	1.8 0.51	391	7	384	11	343	70	114	391	7
120	344	286	0.83	24189	0.4595	4.3	0.0611	1.0 0.23	382	4	384	14	394	93	97	382	4
121	287	319	1.11	24630	0.8177	3.2	0.0963	1.2 0.38	593	7	607	15	659	64	90	593	7
124	276	87	0.32	28368	0.7438	4.6	0.0919	2.3 0.51	567	13	565	20	555	86	102	567	13
125	46	21	0.46	8067	2.9294	4.5	0.2256	2.0 0.46	1311	24	1390	34	1512	75	87	1512	75

Table DR3. Compilation of U-Pb ages from igneous rocks in the Arctic-Alaska-Chukotka Terrane

Age (Ma) \pm 2s	Sample	Method	Reference
971	5 Ernie Lake orthogneiss, southern Brooks Range	SHRIMP	McClelland, 2006
870	7 BM1: Bendeleben Mts Foliated metarhyolite	SHRIMP	this study
868	7 BM3: Bendeleben Mts. Foliated metadacite	SHRIMP	this study
868	12 BM2: Bendeleben Mts. Foliated metarhyolite	LA-ICPMS	this study
750*	6 Baird Mt. quad	TIMS	Karl et al., 1989
705	35 Kallarichuk Hills western Brooks Range	TIMS	Karl and Aleinikoff, 1990
699	2 Wrangel Island, Russia	TIMS	Kos'ko et al., 1993
687	9 KM1: Hen and Chickens orthogneiss, Seward Pen.	SHRIMP	this study
681	3 Dorothy Cr orthogneiss, S.P.	TIMS	Patrick and McClelland, 1995
678	4 Salmon Lake orthogneiss	TIMS	Amato and Wright, 1998
676	15 Cape Nome Granite	TIMS	Patrick and McClelland, 1995
669	5 Basin Creek, Nome area	SHRIMP	Till et al., 2006 (abstract)
663	7 KM2: Salmon Lake orthogneiss	SHRIMP	this study
644**	10 Chegitun orthogneiss, Chukotka	SHRIMP	Natalin et al., 1999
633	21 Wrangel Island	TIMS	Kos'ko et al., 1993
565	6 KM3: Thompson Cr. orthogneiss	SHRIMP	this study
562	4 KM4: Northern Kigluaik orthogneiss	SHRIMP	this study
540	5 YM1: Gabbro, York Mts.	LA-ICPMS	this study
393	2 Hammond terrane orthogneiss	TIMS	Aleinikoff et al., 1993
392	5 metafelsite Kiwalik Mt.	SHRIMP	Till et al., 2006 (abstract)
391	3 granitic orthogneiss, Kiwalik Mt	SHRIMP	Till et al., 2006 (abstract)
390	25 Ray Mt gneiss Ruby geanticline	TIMS	Patton et al., 1987
390	3 DM1: Darby Mts. foliated granite	SHRIMP	this study
390	10 BM4: Bendeleben Mts. foliated granite	SHRIMP	this study
389	3 Hammond terrane orthogneiss	TIMS	Aleinikoff et al., 1993
379	3 Ambler district	SHRIMP	McClelland, 2006
376	3 Ambler district	SHRIMP	McClelland, 2006
376	3 Ambler district	SHRIMP	McClelland, 2006
375	0.5 Ambler district	SHRIMP	McClelland, 2006
370	1.2 Ru etelkhkvykeyt orthgneiss	TIMS	Natalin et al., 1999
365	15 Brooks Range (composite of four samples)	TIMS	Dillon et al., 1980

*Sample has some unresolved inheritance (Patrick and McClelland, 1995)

**Reinterpreted from the original data using mean of oldest ages