APPENDIX: DESCRIPTION AND LOCATION OF SAMPLE SITES

In order to ensure the greatest possibility of recovering igneous zircon in anorthositic lithologies, we targeted relatively coarse, pegmatitic facies of gabbro and anorthosite , or irregular pegmatitic patches rich in trapped residual liquid or evolved differentiates. Accordingly, we collected several representative samples that have yielded significant igneous zircon populations. Three of these have been analyzed (BMH-01-04, BMH-01-E1 and E2) and are reported in this paper. In addition, a moderately mafic (15-20%) facies of Marcy anorthosite (BMH-01-02) has yielded abundant igneous zircons. The remaining five anorthositic samples presented in this paper contain >90% plagioclase and were not expected to yield much zircon. Surprisingly, we obtained excellent recovery of abundant, good quality igneous zircon to make SHRIMP dating possible. Scoates and Chamberlain (1995) and Scoates et al. (1996) reported similar results for the Laramie anorthosite. We have included in the anorthositic group of rocks a coronitic olivine metagabbro typical of those associated with AMCG rocks. All of these samples are discussed below.

In addition to anorthositic samples, we present descriptions for four granitoid samples that were previously dated by multigrain TIMS methods (Chiarenzelli and McLelland, 1991) that have been redated using more accurate SHRIMP techniques.

Anorthositic samples

Coarse anorthosite, southern Marcy massif (BMH-01-02)

The sample site is a large (~400m long by 5m high) roadcut on the north side of Essex County Road 2, also known as the Boreas Road or the Blue Ridge Road, and is located 3 miles east of the trailhead to Lester Dam and 6.9 east of the junction with Rt. 28N. Exposed within the roadcut is an example of coarse, Marcy facies anorthosite containing approximately 15% mafic minerals, mainly pyroxene. Large (5-10 cm) crystals of blue-gray andesine occur throughout the roadcut but are commonly separated by a much-subordinate volume of millimeter-scale occurrences of a finer-grained, light-colored anorthosite. In places the finer grained material appears to disrupt the coarser, darker rock, as is common in the Marcy facies. Also scattered throughout the outcrop are thin, irregular veinlets of ferrodiorite that has a reddish hue due to the presence of abundant garnet within it and along its borders. The sample collected avoided ferrogabbro veinlets as well as leucoanorthosite.

Pegmatitic, mafic anorthosite at Jay, northeastern Marcy massif (BMH-01-04)

Large, water washed riverbed exposures occur in the East Branch of the Ausable River at the town of Jay, which is located at the intersection of New York State Rts. 86 and 9N. A few hundred meters east of the highway intersection, Mill Road crosses the river via a bridge. To the north of the bridge there is a parking area on the east bank of the river. The sample locality lies in the riverbed exposures a little less than halfway across the river and is accessible only during times of relatively low water. The site is marked by the presence of several late, N30E diabase dikes that have been eroded out into channels. Nestled among these, and almost at right angles to them, is a relatively coarse grained (up to 5 cm.) mafic anorthosite to leucogabbro containing 15-25% pyroxene enclosed by white plagioclase. This material has clearly been emplaced into a ductile shear zone during displacement. The anorthositic pegmatite differs markedly from the much finer-grained and more deformed leucoanorthosite that forms the country rock. A sample was collected with care in order to avoid any of the country rock.

Coarse, blue-gray anorthosite, Middle Saranac Lake, northern Marcy massif (BMH-01-05)

From Saranac Lake Village New York State Rt. 3 runs southwest for approximately 22 miles to its intersection with New York State Rt. 30 near the southwest corner of Upper Saranac Lake. Throughout much of this distance roadcuts expose spectacular examples of the Marcy facies in the northeast lobe of the Marcy anorthosite massif. For many decades geologists working in the area have informally referred to this stretch of road as the "Anorthosite Highway". Although a small quantity of mafic anorthosite exists in these roadcuts, essentially the only rocks exposed are coarse, blue-gray examples of anorthosite in the strict sense, i.e., >90% plagioclase. The anorthosites are very homogeneous, and it is uncommon to encounter the finer-grained, leucocratic facies found with BMH-01-02 and BMH-01–04. Most plagioclase grains are euhedral and range in size from 5-10 cm, and single crystals as large as 30cm are locally present. Flow fabric is widely distributed in the outcrops, and has a variety of attitudes. The feldspar laths themselves are rarely deformed and this is also the case with interstitial pyroxene. Locally, however, good tectonic foliation is present. The sample site is a low roadcut (~30 meters long) on the north shoulder of the highway directly east of Middle Saranac Lake and 3 miles east of Bartlett Carry Road (5 miles east of the road to Coreys). A meter-wide, darker, finer grained and more mafic layer cuts the anorthosite, but this lithology yielded no igneous zircons. The sample was collected approximately 5 meters from the crosscutting sheet and consisted entirely of the coarse, blue-gray anorthosite.

Coarse, blue-gray anorthosite, Upper Saranac Lake, northwest Adirondacks (AC85-8)

The outcrop sampled is situated on the north side of Route 3, 1 mile west of the turn-off to Corey's and 2.2 miles east of the junction of Routes 3 and 30. It consists of a roadcut in massive anorthosite typical of that exposed along Route 3 from Tupper Lake Village to Saranac Lake Village. The rock consists of ~ 90% andesine plagioclase laths in the 5-10cm range with some single grains exhibiting lengths as great as 30 cm. Most of these grains have been oriented by magmatic flow. In addition, some more mafic layers of gabbroic anorthosite exist in this outcrop and are thought to represent igneous processes. Most plagioclase laths are euhedral and the outcrop shows little penetrative deformation, although shear zones are locally present. Garnet coronas are commonly developed between pyroxenes and plagioclase.

Coarse anorthosite of the Oregon Dome massif (BMH-01-09)

The sampling site is a small, but high (30 meters long and 5 meters high), roadcut located on the northwest side of New York State Routes 8-30 five miles south of Speculator and 3 miles north of the southern junction of Routes 8 and 30. The outcrop is complex and contains several varieties of the anorthosite suite of rocks as well as xenoliths of calcsilicate metasediments. The top of the outcrop is glacially polished and offers the best vantage point for examination of the rocks and their relationships. Most of the material consists of coarse Marcy facies anorthosite with individual iridescent, blue-gray plagioclase crystals up 15 cm. in length. These are set in a matrix of finer-grained (millimeter-scale) leucoanorthosite that contains small, subophitic pyroxenes whose relatively undeformed condition indicates that the finer-grain size of the rock is primary and not the result of grain size reduction by strain (McLelland et al., 1992). Crosscutting the anorthosite is a 4-meter wide dike of ferrodiorite containing xenoliths of anorthosite and metasediments. This rock has been interpreted as a late, filter-pressed derivative of the anorthosite (McLelland et al., 1994) and has been dated by SHRIMP analysis of zircon as 1156 $\pm$ 7 Ma in age (Hamilton et al., 2004). Also present in the fine-grained anorthosite are several remarkably intact, large (2-3 meters across) rafts of very coarse-grained blue gray anorthosite with single plagioclase crystals as long as 30 cm and in subophitic relationship with orthopyroxene of similar dimensions. Inspection of the outcrop documents that the large blue-gray plagioclase grains in the fine-grained leucoanorthosite are the result of disruption of the large rafts. The process can seen be in progress along the contacts of the rafts and fine-grained anorthosite. Many of the large plagioclases show evidence of fracture, presumably as a result of disruption of the rafts. Many others are euhedral and unstrained providing further evidence that the grain size difference is primary and not due to solid-state strain. The sample collected for dating was taken from road-level and consists of large plagioclase grains enclosed by fine-grained anorthosite.

Coarse, ore-bearing anorthosite, Tahawus, south-central Marcy massif (BMH-01-11)

A dozen large (3-4 meters across) boulders of anorthosite and magnetite-ilmenite ore have been used to block the entrance road to the, now flooded, Tahawus open pit mine from the access road (Essex County Road 25) to the Mt. Marcy trailhead. This site is 8.2 miles north of the junction of this road with Essex County Road 2 (Boreas Road). A sample was taken from a fresh ore-bearing anorthosite boulder with blue-gray plagioclase crystals 3-5 cm. in length. The rock is typical of the Marcy facies that hosts the ore horizons in the open pit mine.

Coarse anorthosite, Interstate 87 at Exit 30S, eastern Marcy massif (BMH-01-19)

The sampling site is near the north end of a very large roadcut of coarse, blue-gray anorthosite that extends for hundreds of meters to the south along Interstate 87. The rock has several varieties of Marcy facies anorthosite in it and these exhibit cross cutting relationships of the block structure style that is common in the anorthosite massif and well exposed at Woolen Mill (Buddington, 1939, McLelland et al., 1992). An area of homogeneous anorthosite (>90% plagioclase) was collected at road level. This rock is much like the anorthosite collected along New York State Rt. 3 (BMH-01-05) and is typical of the coarse Marcy facies that characterizes the High Peaks area of the massif interior and is exposed along Interstate 87 for more than 30 km to the south.

Coronitic olivine metagabbro on Route 9 south of North Hudson (CGAB)

This small outcrop is located 3 miles south of North Hudson along Route 9 and lies within a narrow graben that extends parallel to Interstate 87 north-northeast from Schroon Lake. The exposure is near the western terminus of a kilometer-scale olivine metagabbro that is intrusive into the Marcy anorthosite massif (McLelland and Chiarenzelli, 1990). On a fresh surface, the rock has the typical appearance of Adirondack olivine metagabbro, i.e., plagioclase laths exhibit characteristic pistachio-green color due to clouding by small grains of spinel. Large quantities of garnet are clearly visible within the groundmass of green plagioclase. Both the spinel and garnet are products of high-pressure reactions between olivine, pyroxene, and plagioclase that have been discussed by McLelland and Whitney (1983) and Whitney and McLelland (1973).

Anorthositic and Gabbroic samples at Woolen Mill (BMH-01-E1, 2, 3, and 4)

Woolen Mill is the site of an early 20th century industrial dam (now dynamited) located on a stream adjacent to Rt. 9N and 1.1 miles west of its junction with Rt 9 in the village of Elizabethtown (I, Fig. 2). The water-polished outcrops in the stream provide exceptionally good exposures of several anorthositic facies as well as a reddish brown two-pyroxene granulite dike known as the Woolen Mill Gabbro (Buddington, 1939, deWaard, 1965). These rocks are also exposed in roadcuts on the other (south) side of the highway. The dike clearly crosscuts the anorthositic rocks and in places fills in joints between anorthosite blocks to form “block structure” (Buddington, 1939, McLelland et al., 1994)). Inspection of relationships at this locality demonstrates that the dike and the several anorthosite rocks facies have mutually crosscutting relationships reflecting a complex history of multiple magmatic pulses.

Within the streambed, three samples of anorthositic rocks were collected. Sample BMH-01E1 was taken from a coarse grained, pegmatitic facies of gabbroic anorthosite and BMH-01E2 was taken from a similar pegmatitic facies a few meters away. The sampling locality is approximately 70 meters east of the old dam site. Sample BMH-01E4 was collected from an exposure of dynamited blue-gray, coarse gabbroic anorthosite at the old dam site, and sample BMH-01E3 was collected from the large roadcut of Woolen Mill Gabbro on the south side of Rt 9N.

Charnockitic-Mangeritic samples

Mangerite at Moody’s, south of Tupper Lake Village (AC85-6)

The sample was collected from the south end of a long road cut of gray-green mangerite on the east side of Route 30 just 2.6 miles south of the junction of Routes 30 and 3 in Tupper Lake Village. This mangerite is within three miles of its contact with the Marcy anorthosite massif and belongs to a coherent magmatic body (Tupper Lake sheet) characterized by its own distinctive petrography (Buddington, 1939) and oxygen isotope signatures (Eiler, 1991). The rock, which is typical of Adirondack mangerite, consists of coarse (1-3cm) augen of mesoperthite (ternary composition) together with 5-10% quartz. Blue-gray andesine (An_{45}) xenocrysts are present throughout the mangerite. Locally, a fine-grained two pyroxene, plagioclase material - similar to ferrodiorite - is present interstitially between the mesoperthite augen, and the latter show the development of myrmekite at their contacts with plagioclase. At the south end of the roadcut a dike of fine-grained granitoid crosscuts the mangerite. Whole-rock analysis shows it to be the same composition as the mangerite that it intrudes. On top of the roadcut irregular, discontinuous veins of iron-rich clinopyroxenite crosscut the mangerite and are interpreted as remobilized cumulates of the mangerite, which contains clinopyroxene of identical composition.

Mangeritic-charnockitic dikes crosscutting the Marcy anorthosite at Wabeek (BMH-01-15)

This well-known locality lies within an old road metal quarry directly across Route 30-3 from the Raquette River canoe-launching site and is 1.5 miles east of the northeastern junction of Routes 30 and 3. The locality is of special significance because it sits astride the contact between mangerite, possibly of the Tupper Lake sheet, and the Marcy anorthosite massif. Within the quarry, a large number dikes and sheets intrude coarse-grained, blue-gray Marcy anorthosite, and the largest of these (Fig 10a) was sampled for dating. Close inspection reveals that light-colored mangerite also permeates the anorthosite in such a manner as to suggest that the latter had not completely solidified at the time of intrusion (Hamilton et al., 2004). Plucking of blue-gray andesine from the anorthosite is commonly present in these outcrops and illustrates the origin of andesine xenocrysts within AMCG granitoids elsewhere. Relationships identical to these are present in all the roadcuts along Route 3-30 between this locality and Tupper Lake Village.

Mafic mangerite along River Road between Bloomingdale and Franklin Falls (AC85-10)

This small outcrop on the north side of the road is located 4.8 miles southwest of Franklin Falls and 2.5 east of the junction with Route 3 in Bloomingdale. The site lies within a narrow (0.5-1.5 km) belt of mafic mangerite that lies between the Marcy anorthosite and surrounding charnockites. Davis (1971) referred to this zone as “transition rock” or Keene gneiss and pointed out that, within it, pyroxene compositions show no correlation with the mafic content of the rock. This behavior is highly uncharacteristic of pyroxene in Adirondack AMCG rocks and is suggestive of magma mixing between the mangerite and late, mafic differentiates (i.e., ferrodiorite) of the anorthosite. The mafic content of the rock is very high and its composition approaches mafic monzodiorite or jotunite.

Charnockitic gneiss along Schroon Lake north of Pottersville (9-23-85-6)

This sample was taken from a long roadcut of pink, streaky charnockitic gneiss exposed in a roadcut along Route 9 as it traverses the southwestern shore of Schroon Lake 1.5 miles north of Pottersville. The rock is representative of streaky charnockitic gneiss throughout the central Adirondacks. Just beyond the northern end of the roadcut a sheet of leucogabbro similar to those associated with the Marcy anorthosite intrudes the granitic gneiss.

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TABLE DR1. SHRIMP II U-Th-Pb RESULTS FOR ADIRONDACK AMCG SAMPLES

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %§
BMH-01-02 Coarse anorthosite, southern Marcy massif (Blue Ridge Highway) – igneous grains										
18.4	86	84	1.001	20	0.00012	2.1561 ± 0.0634	0.19453 ± 0.00279	0.08039 ± 0.00193	1206.5 ± 47.9	95.0
18.3	75	60	0.835	16	0.00021	2.0658 ± 0.0629	0.18820 ± 0.00264	0.07961 ± 0.00202	1187.4 ± 50.9	93.6
15.2	99	86	0.898	22	0.00026	2.1249 ± 0.0535	0.19416 ± 0.00354	0.07937 ± 0.00121	1181.4 ± 30.3	96.8
28.1	172	263	1.575	44	0.00005	2.1014 ± 0.0357	0.19207 ± 0.00234	0.07935 ± 0.00083	1180.8 ± 20.8	95.9
21.1	175	154	0.909	39	0.00018	2.0584 ± 0.0400	0.18952 ± 0.00255	0.07877 ± 0.00098	1166.5 ± 24.8	95.9
15.3	158	132	0.863	34	0.00006	2.0101 ± 0.0447	0.18509 ± 0.00336	0.07876 ± 0.00085	1166.2 ± 21.4	93.9
15.1	142	124	0.906	31	0.00022	2.0572 ± 0.0520	0.18982 ± 0.00225	0.07860 ± 0.00164	1162.2 ± 41.9	96.4
20.1.2	224	83	0.386	43	0.00008	1.9960 ± 0.0345	0.18548 ± 0.00248	0.07805 ± 0.00073	1148.1 ± 18.8	95.5
6.1	280	76	0.279	52	0.00010	1.9973 ± 0.0305	0.18585 ± 0.00226	0.07795 ± 0.00061	1145.5 ± 15.6	95.9
21.3	174	158	0.938	39	0.00026	2.0507 ± 0.0470	0.19121 ± 0.00336	0.07778 ± 0.00099	1141.4 ± 25.4	98.8
28.2	202	308	1.578	52	0.00015	2.0459 ± 0.0355	0.19263 ± 0.00249	0.07703 ± 0.00077	1121.9 ± 20.1	101.2
18.1	77	62	0.832	17	0.00031	2.0406 ± 0.0663	0.19242 ± 0.00295	0.07692 ± 0.00206	1119.0 ± 54.3	101.4
21.2	175	157	0.925	39	0.00015	2.0270 ± 0.0357	0.19125 ± 0.00233	0.07687 ± 0.00087	1117.9 ± 22.7	100.9
18.2	88	88	1.033	21	0.00041	2.0556 ± 0.0646	0.19420 ± 0.00328	0.07677 ± 0.00188	1115.2 ± 49.7	102.6
22.1	115	78	0.695	24	0.00026	1.9401 ± 0.0451	0.18582 ± 0.00238	0.07572 ± 0.00135	1087.8 ± 36.1	101.0
17.1	182	169	0.960	35	0.00007	1.7146 ± 0.0354	0.16438 ± 0.00230	0.07565 ± 0.00102	1085.8 ± 27.3	90.4
30.1	105	80	0.792	21	0.00029	1.8044 ± 0.0399	0.17661 ± 0.00219	0.07410 ± 0.00125	1044.2 ± 34.3	100.4
4.1	213	162	0.788	40	0.00015	1.6633 ± 0.0308	0.16415 ± 0.00206	0.07349 ± 0.00089	1027.5 ± 24.8	95.4
10.1	207	73	0.363	35	0.00014	1.6809 ± 0.0312	0.16811 ± 0.00223	0.07252 ± 0.00083	1000.5 ± 23.5	100.1
BMH-01-02 Coarse anorthosite, southern Marcy massif (Blue Ridge Highway) – metamorphic grains										
25.2	477	270	0.583	100	0.00011	2.0931 ± 0.0392	0.19355 ± 0.00328	0.07843 ± 0.00048	1157.9 ± 12.2	98.5
25.1	827	444	0.555	176	0.00001	2.1305 ± 0.0255	0.19760 ± 0.00210	0.07820 ± 0.00033	1151.9 ± 8.5	100.9
28.1	105	82	0.814	22	0.00018	1.9439 ± 0.0473	0.18284 ± 0.00240	0.07711 ± 0.00146	1124.1 ± 38.2	96.3
7.1	162	48	0.306	28	0.00008	1.7569 ± 0.0341	0.16978 ± 0.00228	0.07505 ± 0.00093	1069.9 ± 25.2	94.5
12.1	113	36	0.330	20	0.00028	1.8179 ± 0.0453	0.17579 ± 0.00218	0.07500 ± 0.00151	1068.6 ± 41.0	97.7
26.1	77	16	0.216	13	0.00032	1.7820 ± 0.0586	0.17392 ± 0.00244	0.07431 ± 0.00208	1050.0 ± 57.5	98.4
26.2	172	49	0.293	27	0.00030	1.5622 ± 0.0364	0.15678 ± 0.00201	0.07227 ± 0.00129	993.5 ± 36.8	94.5
8.2	1171	53	0.047	179	0.00004	1.6302 ± 0.0193	0.16430 ± 0.00170	0.07196 ± 0.00033	984.8 ± 9.2	99.6
5.1	199	72	0.377	35	0.00012	1.7160 ± 0.0390	0.17381 ± 0.00224	0.07161 ± 0.00123	974.8 ± 35.3	106.0
8.1	74	58	0.810	14	0.00054	1.5551 ± 0.0560	0.16808 ± 0.00260	0.06710 ± 0.00206	840.9 ± 65.2	119.1
BMH-01-04 Pegmatitic, mafic anorthosite, northeast Marcy massif (Ausable River, Jay)										
28.2	230	115	0.518	47	0.00008	2.1250 ± 0.0383	0.19235 ± 0.00240	0.08012 ± 0.00092	1200.0 ± 22.9	94.5
30.1	226	58	0.267	42	0.00005	2.0223 ± 0.0327	0.18628 ± 0.00209	0.07874 ± 0.00081	1165.6 ± 20.6	94.5
15.1	291	179	0.635	60	0.00009	2.0554 ± 0.0316	0.18936 ± 0.00226	0.07872 ± 0.00065	1165.2 ± 16.5	95.9
6.1	257	157	0.632	54	0.00014	2.0903 ± 0.0331	0.19292 ± 0.00222	0.07858 ± 0.00075	1161.6 ± 19.1	97.9
22.1	157	107	0.701	34	0.00006	2.0927 ± 0.0350	0.19327 ± 0.00229	0.07853 ± 0.00082	1160.4 ± 20.9	98.2
28.1	279	183	0.680	60	0.00004	2.0991 ± 0.0343	0.19453 ± 0.00230	0.07826 ± 0.00077	1153.5 ± 19.8	99.3
24.1	336	217	0.668	70	0.00007	2.0366 ± 0.0343	0.18895 ± 0.00246	0.07817 ± 0.00072	1151.3 ± 18.3	96.9
15.2	278	177	0.658	55	0.00016	1.9355 ± 0.0345	0.18009 ± 0.00233	0.07795 ± 0.00084	1145.5 ± 21.5	93.2
24.2	233	122	0.540	47	0.00015	2.0247 ± 0.0326	0.18903 ± 0.00216	0.07768 ± 0.00077	1138.7 ± 20.0	98.0
21.1	337	228	0.701	70	0.00010	1.9865 ± 0.0310	0.18732 ± 0.00221	0.07691 ± 0.00068	1119.0 ± 17.7	98.9
13.1	257	154	0.621	51	0.00013	1.9405 ± 0.0293	0.18359 ± 0.00204	0.07666 ± 0.00068	1112.3 ± 17.8	97.7
7.1	333	132	0.410	63	0.00013	1.9360 ± 0.0285	0.18393 ± 0.00200	0.07634 ± 0.00066	1103.9 ± 17.3	98.6
6.2	242	156	0.668	49	0.00016	1.9226 ± 0.0317	0.18319 ± 0.00204	0.07612 ± 0.00083	1098.2 ± 21.9	98.7
14.1	212	131	0.637	41	0.00016	1.8732 ± 0.0320	0.18042 ± 0.00228	0.07530 ± 0.00076	1076.5 ± 20.3	99.3
31.1	410	208	0.524	76	0.00006	1.8163 ± 0.0244	0.17533 ± 0.00188	0.07513 ± 0.00052	1072.0 ± 13.9	97.1
13.2	134	63	0.483	25	0.00024	1.7974 ± 0.0357	0.17720 ± 0.00218	0.07357 ± 0.00104	1029.7 ± 28.8	102.1
BMH-01-05 Coarse anorthosite, northern Marcy massif (Middle Saranac Lake)										
20.1	171	139	0.844	37	0.00008	2.0309 ± 0.0384	0.18658 ± 0.00226	0.07894 ± 0.00103	1170.7 ± 26.1	94.2
14.1	210	108	0.533	42	0.00009	2.0511 ± 0.0339	0.18846 ± 0.00226	0.07893 ± 0.00078	1170.5 ± 19.8	95.1
18.1	580	362	0.645	122	0.00003	2.0861 ± 0.0260	0.19182 ± 0.00202	0.07888 ± 0.00043	1169.0 ± 10.8	96.8
4.1	452	331	0.756	98	0.00005	2.0984 ± 0.0299	0.19304 ± 0.00207	0.07884 ± 0.00064	1168.0 ± 16.3	97.4
19.1	164	103	0.644	35	0.00006	2.0757 ± 0.0418	0.19219 ± 0.00226	0.07833 ± 0.00117	1155.3 ± 30.0	98.1
3.1	424	287	0.699	90	0.00002	2.0715 ± 0.0299	0.19200 ± 0.00217	0.07825 ± 0.00060	1153.2 ± 15.2	98.2
10.1	389	267	0.709	84	0.00010	2.0994 ± 0.0287	0.19549 ± 0.00211	0.07789 ± 0.00056	1144.1 ± 14.3	100.6
7.1	423	285	0.696	88	0.00007	2.0150 ± 0.0273	0.18847 ± 0.00205	0.07754 ± 0.00053	1135.2 ± 13.7	98.1
5.1	263	194	0.762	57	0.00010	2.0495 ± 0.0317	0.19183 ± 0.00213	0.07749 ± 0.00073	1133.8 ± 19.0	99.8
1.1	313	223	0.735	68	0.00012	2.0747 ± 0.0303	0.19488 ± 0.00214	0.07721 ± 0.00065	1126.7 ± 16.7	101.9
6.1	276	204	0.763	57	0.00022	1.9184 ± 0.0335	0.18608 ± 0.00219	0.07477 ± 0.00086	1062.3 ± 23.3	103.6
9.1	492	168	0.353	84	0.00007	1.6552 ± 0.0260	0.16736 ± 0.00198	0.07173 ± 0.00064	978.2 ± 18.3	102.0

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TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	^{204}Pb/^{206}Pb	^{207}Pb/^{235}U ± 1ω†	^{206}Pb/^{238}U ± 1ω†	^{207}Pb/^{206}Pb ± 1ω†	^{207}Pb/^{206}Pb age ± 1ω† (Ma)	Conc. %§
AC-85-8 Coarse anorthosite, northwestern Marcy massif (Upper Saranac Lake)										
27.1	139	73	0.540	27	0.00018	2.0186 ± 0.0423	0.18173 ± 0.00254	0.08056 ± 0.00112	1210.7 ± 27.7	88.9
21.2	88	65	0.759	19	0.00043	2.1151 ± 0.0746	0.19264 ± 0.00277	0.07963 ± 0.00243	1187.9 ± 61.4	95.6
2.3	98	58	0.611	20	0.00023	2.1103 ± 0.0483	0.19327 ± 0.00241	0.07919 ± 0.00140	1176.9 ± 35.3	96.8
2.2	97	62	0.665	21	0.00036	2.0735 ± 0.0509	0.19348 ± 0.00250	0.07773 ± 0.00150	1139.9 ± 38.9	100.0
2.1	103	58	0.580	21	0.00023	2.0386 ± 0.0572	0.19088 ± 0.00325	0.07746 ± 0.00157	1133.0 ± 40.9	99.4
21.3	82	47	0.591	17	0.00065	2.0139 ± 0.0728	0.18926 ± 0.00380	0.07717 ± 0.00214	1125.7 ± 56.2	99.3
21.1	121	100	0.851	27	0.00022	2.0320 ± 0.0581	0.19120 ± 0.00250	0.07708 ± 0.00184	1123.2 ± 48.3	100.4
23.1	153	103	0.696	32	0.00020	1.9670 ± 0.0388	0.18744 ± 0.00231	0.07611 ± 0.00106	1097.9 ± 28.1	100.9
22.1	128	109	0.879	25	0.00034	1.7574 ± 0.0476	0.16966 ± 0.00308	0.07513 ± 0.00135	1071.9 ± 36.6	94.2
36.1	87	55	0.649	17	0.00025	1.8546 ± 0.0435	0.18217 ± 0.00243	0.07384 ± 0.00131	1037.0 ± 36.1	104.0
18.1	159	152	0.987	32	0.00044	1.7224 ± 0.0442	0.16920 ± 0.00301	0.07383 ± 0.00121	1036.9 ± 33.5	97.2
10.1	607	104	0.177	98	0.00003	1.6445 ± 0.0200	0.16613 ± 0.00175	0.07179 ± 0.00035	980.1 ± 10.0	101.1
31.1	98	76	0.807	19	0.00040	1.6563 ± 0.0410	0.16880 ± 0.00205	0.07116 ± 0.00143	962.1 ± 41.6	104.5
BMH-01-09 Coarse anorthosite of the Oregon Dome massif										
24.2	271	121	0.460	57	0.00003	2.1927 ± 0.0446	0.20006 ± 0.00351	0.07949 ± 0.00066	1184.3 ± 16.6	99.3
12.1	213	104	0.507	43	0.00002	2.1076 ± 0.0397	0.19235 ± 0.00280	0.07947 ± 0.00082	1183.9 ± 20.4	95.8
28.2	253	201	0.821	57	0.00002	2.1067 ± 0.0403	0.19466 ± 0.00264	0.07849 ± 0.00094	1159.4 ± 23.9	98.9
35.1	100	77	0.787	21	0.00005	2.0398 ± 0.0531	0.18849 ± 0.00326	0.07849 ± 0.00137	1159.3 ± 34.9	96.0
37.1	232	175	0.780	53	0.00001	2.1918 ± 0.0406	0.20262 ± 0.00301	0.07845 ± 0.00074	1158.4 ± 18.7	102.7
11.1	204	74	0.375	39	0.00001	2.0241 ± 0.0365	0.18720 ± 0.00274	0.07842 ± 0.00069	1157.6 ± 17.6	95.6
35.2	164	88	0.553	32	0.00007	1.9503 ± 0.0402	0.18084 ± 0.00283	0.07821 ± 0.00091	1152.3 ± 23.2	93.0
28.1	278	216	0.803	63	0.00002	2.1321 ± 0.0348	0.19790 ± 0.00263	0.07814 ± 0.00062	1150.4 ± 15.9	101.2
29.3	302	271	0.929	66	0.00005	2.0049 ± 0.0496	0.18672 ± 0.00411	0.07788 ± 0.00069	1143.7 ± 17.8	96.5
29.1	281	203	0.745	62	0.00002	2.0984 ± 0.0357	0.19562 ± 0.00275	0.07780 ± 0.00062	1141.7 ± 16.0	100.9
24.1	288	132	0.472	61	0.00001	2.1594 ± 0.0350	0.20175 ± 0.00264	0.07763 ± 0.00063	1137.4 ± 16.2	104.2
34.1	305	137	0.465	61	0.00003	2.0234 ± 0.0325	0.19102 ± 0.00255	0.07682 ± 0.00057	1116.6 ± 14.9	100.9
29.2	146	47	0.334	27	0.00012	1.9745 ± 0.0448	0.18690 ± 0.00306	0.07662 ± 0.00106	1111.3 ± 27.8	99.4
16.1	190	151	0.820	37	0.00001	1.8082 ± 0.0322	0.17200 ± 0.00235	0.07625 ± 0.00075	1101.5 ± 19.9	92.9
13.1	119	91	0.792	24	0.00002	1.8901 ± 0.0435	0.18002 ± 0.00266	0.07615 ± 0.00121	1099.0 ± 32.1	97.1
15.1	269	160	0.613	50	0.00002	1.7869 ± 0.0353	0.17046 ± 0.00242	0.07603 ± 0.00092	1095.8 ± 24.4	92.6
10.1	216	96	0.457	42	0.00002	1.9201 ± 0.0353	0.18453 ± 0.00258	0.07547 ± 0.00078	1081.0 ± 20.8	101.0
2.1	198	130	0.679	40	0.00005	1.8802 ± 0.0376	0.18103 ± 0.00265	0.07533 ± 0.00090	1077.2 ± 24.1	99.6
15.2	258	158	0.631	50	0.00005	1.8420 ± 0.0308	0.17895 ± 0.00238	0.07465 ± 0.00064	1059.2 ± 17.5	100.2
36.1	332	278	0.865	65	0.00001	1.7402 ± 0.0286	0.16912 ± 0.00223	0.07463 ± 0.00062	1058.6 ± 16.7	95.2
34.2	325	166	0.527	63	0.00005	1.9001 ± 0.0321	0.18530 ± 0.00241	0.07437 ± 0.00069	1051.5 ± 18.9	104.2
4.1	794	609	0.792	150	0.00001	1.7149 ± 0.0250	0.16740 ± 0.00219	0.07429 ± 0.00037	1049.5 ± 10.1	95.1
11.2	197	109	0.576	37	0.00002	1.7440 ± 0.0386	0.17294 ± 0.00234	0.07314 ± 0.00117	1017.8 ± 32.6	101.0
BMH-01-11 Coarse ore-bearing anorthosite, south-central Marcy massif (Tahawus)										
27.1	390	137	0.364	79	0.00001	2.1465 ± 0.0329	0.19781 ± 0.00260	0.07870 ± 0.00050	1164.7 ± 12.7	99.9
33.1	84	30	0.371	15	0.00001	1.7919 ± 0.0404	0.17139 ± 0.00268	0.07583 ± 0.00109	1090.6 ± 29.1	93.5
15.2	111	42	0.395	20	0.00001	1.7930 ± 0.0390	0.17356 ± 0.00270	0.07493 ± 0.00100	1066.5 ± 27.1	96.7
31.1	165	45	0.284	27	0.00001	1.7056 ± 0.0385	0.16729 ± 0.00266	0.07395 ± 0.00105	1040.0 ± 28.9	95.9
16.1	105	35	0.340	18	0.00005	1.7695 ± 0.0449	0.17401 ± 0.00301	0.07375 ± 0.00122	1034.7 ± 33.8	99.9
20.1	134	64	0.492	24	<0.00001	1.7025 ± 0.0369	0.16875 ± 0.00240	0.07317 ± 0.00107	1018.7 ± 30.0	98.7
49.1	90	27	0.307	15	0.00008	1.6677 ± 0.0449	0.16618 ± 0.00270	0.07278 ± 0.00142	1008.0 ± 40.2	98.3
46.1	176	50	0.293	30	0.00005	1.6831 ± 0.0343	0.16874 ± 0.00234	0.07234 ± 0.00096	995.6 ± 27.2	101.0
36.1	154	51	0.341	26	0.00006	1.6586 ± 0.0336	0.16715 ± 0.00231	0.07196 ± 0.00095	984.9 ± 27.1	101.2
18.2	56	31	0.577	11	0.00022	1.8819 ± 0.0719	0.18988 ± 0.00327	0.07188 ± 0.00230	982.5 ± 66.5	114.1
7.1	101	62	0.637	19	0.00023	1.7027 ± 0.0468	0.17480 ± 0.00264	0.07065 ± 0.00149	947.2 ± 43.9	109.6
12.1	83	28	0.352	14	0.00012	1.6198 ± 0.0468	0.16770 ± 0.00260	0.07005 ± 0.00158	929.9 ± 47.0	107.5
8.1	60	18	0.314	10	0.00025	1.5679 ± 0.0655	0.16268 ± 0.00287	0.06990 ± 0.00250	925.5 ± 75.2	105.0
40.1	74	25	0.356	12	0.00040	1.6038 ± 0.0576	0.16824 ± 0.00274	0.06914 ± 0.00207	902.9 ± 63.1	111.0

TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %§
BMH-01-19 Coarse anorthosite, eastern Marcy massif (Interstate 87)										
13.2	173	101	0.606	37	0.00003	2.1362 ± 0.0451	0.19442 ± 0.00304	0.07969 ± 0.00098	1189.3 ± 24.6	96.3
22.2	142	89	0.650	30	0.00006	2.0631 ± 0.0448	0.18890 ± 0.00305	0.07921 ± 0.00100	1177.3 ± 25.2	94.7
58.1	116	57	0.505	22	0.00001	1.9546 ± 0.0424	0.17918 ± 0.00287	0.07912 ± 0.00101	1175.1 ± 25.4	90.4
5.1	339	113	0.343	68	0.00002	2.1710 ± 0.0342	0.19906 ± 0.00264	0.07910 ± 0.00056	1174.6 ± 14.0	99.6
5.2	243	91	0.388	44	0.00004	1.9195 ± 0.0364	0.17648 ± 0.00260	0.07889 ± 0.00081	1169.3 ± 20.5	89.6
13.1	241	210	0.900	55	0.00001	2.1355 ± 0.0395	0.19638 ± 0.00291	0.07887 ± 0.00074	1168.8 ± 18.7	98.9
22.1	180	143	0.822	39	0.00009	2.0579 ± 0.0414	0.19029 ± 0.00284	0.07843 ± 0.00092	1157.9 ± 23.5	97.0
43.1	338	57	0.174	63	0.00001	2.0732 ± 0.0338	0.19249 ± 0.00250	0.07811 ± 0.00065	1149.8 ± 16.7	98.7
9.1	455	195	0.444	93	0.00001	2.1203 ± 0.0327	0.19696 ± 0.00263	0.07808 ± 0.00049	1148.8 ± 12.5	100.9
58.2	556	92	0.171	101	0.00002	2.0033 ± 0.0327	0.18664 ± 0.00263	0.07785 ± 0.00052	1143.0 ± 13.2	96.5
61.1	229	112	0.506	47	0.00002	2.0672 ± 0.0375	0.19271 ± 0.00265	0.07780 ± 0.00080	1141.8 ± 20.5	99.5
53.1	258	151	0.605	53	0.00001	2.0355 ± 0.0380	0.19104 ± 0.00279	0.07728 ± 0.00077	1128.4 ± 19.9	99.9
49.2	196	273	1.438	51	0.00003	2.1381 ± 0.0452	0.20092 ± 0.00336	0.07718 ± 0.00085	1125.8 ± 22.0	104.8
61.2	173	93	0.554	34	0.00006	1.9391 ± 0.0427	0.18301 ± 0.00308	0.07685 ± 0.00094	1117.2 ± 24.7	97.0
14.1	227	170	0.776	47	0.00004	1.9248 ± 0.0354	0.18240 ± 0.00253	0.07654 ± 0.00080	1109.2 ± 21.1	97.4
49.1	216	303	1.445	53	0.00003	2.0070 ± 0.0362	0.19047 ± 0.00266	0.07642 ± 0.00075	1106.1 ± 19.7	101.6
8.1	197	119	0.625	40	0.00007	1.9427 ± 0.0399	0.18471 ± 0.00280	0.07628 ± 0.00092	1102.4 ± 24.4	99.1
37.1	339	155	0.473	65	0.00002	1.9133 ± 0.0310	0.18330 ± 0.00238	0.07571 ± 0.00062	1087.3 ± 16.6	99.8
17.1	211	78	0.384	38	0.00004	1.8236 ± 0.0365	0.17704 ± 0.00255	0.07471 ± 0.00091	1060.6 ± 24.7	99.1
46.1	209	112	0.551	38	0.00003	1.7770 ± 0.0354	0.17313 ± 0.00255	0.07444 ± 0.00087	1053.5 ± 23.7	97.7
60.1	205	54	0.271	37	0.00006	1.8383 ± 0.0356	0.17921 ± 0.00257	0.07440 ± 0.00085	1052.2 ± 23.1	101.0
18.1	218	114	0.539	41	0.00005	1.8159 ± 0.0361	0.17743 ± 0.00241	0.07423 ± 0.00096	1047.7 ± 26.2	100.5
19.1	210	31	0.152	34	0.00001	1.7057 ± 0.0334	0.16869 ± 0.00264	0.07333 ± 0.00073	1023.2 ± 20.3	98.2
28.1	223	115	0.534	40	0.00011	1.6685 ± 0.0328	0.16925 ± 0.00253	0.07150 ± 0.00079	971.7 ± 22.8	103.7
CGAB Coronitic olivine metagabbro (North Hudson)										
17.1	105	53	0.518	22	0.00027	2.1455 ± 0.0583	0.19815 ± 0.00274	0.07853 ± 0.00171	1160.2 ± 43.7	100.4
2.1	329	260	0.818	70	0.00009	2.0372 ± 0.0302	0.18821 ± 0.00208	0.07850 ± 0.00067	1159.7 ± 17.1	95.9
26.1	476	421	0.913	108	0.00005	2.1076 ± 0.0338	0.19473 ± 0.00212	0.07850 ± 0.00082	1159.6 ± 21.0	98.9
4.1	664	618	0.961	152	0.00008	2.0834 ± 0.0281	0.19368 ± 0.00212	0.07802 ± 0.00051	1147.3 ± 13.1	99.5
30.1	456	353	0.799	98	0.00008	2.0352 ± 0.0334	0.18935 ± 0.00242	0.07795 ± 0.00069	1145.7 ± 17.6	97.6
11.1	915	201	0.227	172	0.00006	2.0450 ± 0.0290	0.19038 ± 0.00218	0.07790 ± 0.00055	1144.4 ± 14.0	98.2
10.1	511	485	0.981	118	0.00003	2.0831 ± 0.0280	0.19538 ± 0.00209	0.07733 ± 0.00054	1129.6 ± 13.9	101.8
21.1	337	301	0.923	75	0.00010	2.0336 ± 0.0303	0.19098 ± 0.00208	0.07723 ± 0.00069	1127.0 ± 17.9	100.0
14.1	228	189	0.858	50	0.00017	2.0445 ± 0.0392	0.19237 ± 0.00224	0.07708 ± 0.00106	1123.3 ± 27.8	101.0
29.1	339	306	0.930	75	0.00015	2.0114 ± 0.0349	0.19000 ± 0.00216	0.07678 ± 0.00090	1115.5 ± 23.7	100.5
33.1	591	444	0.775	131	0.00005	2.0813 ± 0.0292	0.19691 ± 0.00215	0.07666 ± 0.00058	1112.3 ± 15.1	104.2
6.1	229	61	0.274	39	0.00015	1.7757 ± 0.0325	0.16975 ± 0.00205	0.07587 ± 0.00094	1091.6 ± 24.9	92.6
4.2	491	362	0.762	101	0.00016	1.9210 ± 0.0280	0.18465 ± 0.00198	0.07545 ± 0.00065	1080.6 ± 17.4	101.1
8.1	231	64	0.287	40	0.00016	1.7590 ± 0.0383	0.17113 ± 0.00225	0.07455 ± 0.00118	1056.3 ± 32.1	96.4
15.1	235	43	0.189	41	0.00017	1.8504 ± 0.0340	0.18071 ± 0.00235	0.07426 ± 0.00085	1048.7 ± 23.3	102.1
13.1	90	30	0.341	15	0.00036	1.6739 ± 0.0632	0.16357 ± 0.00249	0.07422 ± 0.00243	1047.5 ± 67.4	93.2
9.1	215	72	0.346	37	0.00015	1.7187 ± 0.0349	0.16885 ± 0.00215	0.07383 ± 0.00106	1036.7 ± 29.2	97.0
24.1	165	69	0.432	29	0.00025	1.6978 ± 0.0383	0.16699 ± 0.00208	0.07374 ± 0.00128	1034.2 ± 35.4	96.3
18.1	219	70	0.331	38	0.00021	1.7124 ± 0.0418	0.17070 ± 0.00213	0.07276 ± 0.00142	1007.2 ± 40.1	100.9

TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %§
BMH-01E1 Pegmatitic anorthosite 1, Woolen Mill										
15.1	47	29	0.630	9	0.00001	1.9879 ± 0.0500	0.17795 ± 0.00324	0.08102 ± 0.00123	1222.0 ± 30.2	86.4
5.1	113	88	0.803	25	0.00001	2.1617 ± 0.0410	0.19483 ± 0.00306	0.08047 ± 0.00071	1208.6 ± 17.5	94.9
1.1	52	43	0.844	11	0.00017	2.0191 ± 0.0572	0.18394 ± 0.00372	0.07961 ± 0.00139	1187.4 ± 34.9	91.7
6.1	1008	243	0.249	199	0.00001	2.1740 ± 0.0333	0.19843 ± 0.00291	0.07946 ± 0.00023	1183.6 ± 5.8	98.6
9.1	68	34	0.518	13	0.00001	2.0181 ± 0.0834	0.18421 ± 0.00535	0.07945 ± 0.00207	1183.4 ± 52.3	92.1
18.1	84	52	0.636	17	0.00026	2.0169 ± 0.0551	0.18495 ± 0.00311	0.07909 ± 0.00155	1174.4 ± 39.2	93.2
16.1	168	133	0.819	37	0.00003	2.0889 ± 0.0372	0.19178 ± 0.00288	0.07900 ± 0.00062	1172.1 ± 15.6	96.5
17.1	139	65	0.487	28	0.00004	2.0479 ± 0.0379	0.18916 ± 0.00292	0.07852 ± 0.00066	1160.0 ± 16.8	96.3
7.1	1247	186	0.154	243	0.00001	2.1781 ± 0.0342	0.20145 ± 0.00303	0.07841 ± 0.00024	1157.4 ± 6.0	102.2
19.1	47	37	0.807	10	0.00014	2.0522 ± 0.0571	0.19054 ± 0.00331	0.07811 ± 0.00154	1149.8 ± 39.6	97.8
4.1	59	48	0.837	13	0.00008	2.1219 ± 0.0515	0.19816 ± 0.00331	0.07766 ± 0.00121	1138.3 ± 31.4	102.4
22.1	367	141	0.397	70	0.00001	1.9736 ± 0.0322	0.18460 ± 0.00269	0.07754 ± 0.00044	1135.1 ± 11.3	96.2
14.1	47	35	0.769	10	0.00001	1.9269 ± 0.0573	0.18038 ± 0.00321	0.07748 ± 0.00168	1133.6 ± 43.8	94.3
11.1	49	36	0.770	11	0.00009	2.1284 ± 0.0597	0.19932 ± 0.00343	0.07745 ± 0.00156	1132.8 ± 40.6	103.4
12.1	62	51	0.838	14	0.00023	2.1206 ± 0.0590	0.19864 ± 0.00354	0.07743 ± 0.00149	1132.2 ± 38.8	103.2
20.1	68	55	0.844	13	0.00015	1.8285 ± 0.0479	0.17156 ± 0.00288	0.07730 ± 0.00140	1129.0 ± 36.4	90.4
3.1	93	66	0.735	20	0.00009	2.0534 ± 0.0425	0.19271 ± 0.00320	0.07728 ± 0.00081	1128.4 ± 21.0	100.7
8.1	32	20	0.646	6	0.00009	1.8318 ± 0.0676	0.17292 ± 0.00323	0.07683 ± 0.00227	1116.9 ± 60.1	92.1
2.1	52	41	0.802	11	0.00004	2.0015 ± 0.0519	0.18957 ± 0.00321	0.07657 ± 0.00135	1110.1 ± 35.6	100.8
21.1	151	57	0.388	28	0.00001	1.8934 ± 0.0332	0.17982 ± 0.00270	0.07637 ± 0.00056	1104.7 ± 14.8	96.5
10.1	52	36	0.709	10	0.00003	1.8641 ± 0.0518	0.17720 ± 0.00303	0.07630 ± 0.00152	1102.8 ± 40.3	95.4
13.1	43	33	0.781	9	0.00001	1.8663 ± 0.0529	0.18104 ± 0.00315	0.07476 ± 0.00152	1062.2 ± 41.4	101.0
23.1	191	86	0.463	33	0.00002	1.6220 ± 0.0307	0.16411 ± 0.00250	0.07168 ± 0.00067	976.9 ± 19.3	100.3
15.1	47	29	0.630	9	0.00001	1.9879 ± 0.0500	0.17795 ± 0.00324	0.08102 ± 0.00123	1222.0 ± 30.2	86.4
BMH-01E2 Pegmatitic anorthosite 2, Woolen Mill										
2.2	550	165	0.311	113	0.00001	2.2094 ± 0.0374	0.20261 ± 0.00306	0.07909 ± 0.00047	1174.3 ± 11.8	101.3
2.1	335	213	0.657	73	0.00001	2.1630 ± 0.0386	0.19992 ± 0.00293	0.07847 ± 0.00067	1158.7 ± 17.0	101.4
3.1	957	328	0.354	196	<0.00001	2.1851 ± 0.0334	0.20197 ± 0.00293	0.07847 ± 0.00026	1158.7 ± 6.7	102.3
12.1	608	309	0.525	127	0.00001	2.1330 ± 0.0326	0.19723 ± 0.00281	0.07844 ± 0.00031	1158.0 ± 7.9	100.2
13.1	653	211	0.334	131	0.00001	2.1279 ± 0.0334	0.19728 ± 0.00290	0.07823 ± 0.00031	1152.7 ± 7.8	100.7
5.1	145	115	0.824	32	0.00001	2.0682 ± 0.0366	0.19179 ± 0.00288	0.07821 ± 0.00060	1152.2 ± 15.4	98.2
6.1	178	98	0.568	37	0.00001	2.0991 ± 0.0375	0.19481 ± 0.00291	0.07815 ± 0.00063	1150.7 ± 16.1	99.7
10.1	688	321	0.482	144	0.00001	2.1460 ± 0.0335	0.19916 ± 0.00284	0.07815 ± 0.00038	1150.7 ± 9.7	101.7
9.1	223	95	0.441	46	0.00006	2.1300 ± 0.0377	0.19799 ± 0.00295	0.07803 ± 0.00061	1147.6 ± 15.6	101.5
7.1	310	262	0.874	70	0.00001	2.1358 ± 0.0343	0.19855 ± 0.00287	0.07802 ± 0.00042	1147.3 ± 10.9	101.8
14.1	407	170	0.432	80	0.00002	2.0332 ± 0.0314	0.18951 ± 0.00271	0.07781 ± 0.00033	1142.1 ± 8.6	98.0
11.1	359	209	0.601	76	0.00001	2.1012 ± 0.0348	0.19585 ± 0.00288	0.07781 ± 0.00047	1142.1 ± 12.0	101.0
3.2	357	232	0.671	78	0.00002	2.1101 ± 0.0353	0.19669 ± 0.00292	0.07781 ± 0.00047	1141.9 ± 12.2	101.4
16.1	238	167	0.724	48	0.00005	1.9126 ± 0.0344	0.18241 ± 0.00280	0.07605 ± 0.00059	1096.3 ± 15.5	98.5
4.1	334	43	0.134	56	0.00001	1.8067 ± 0.0337	0.17626 ± 0.00256	0.07434 ± 0.00075	1050.7 ± 20.4	99.6
4.3	2010	249	0.128	321	0.00001	1.6802 ± 0.0252	0.16705 ± 0.00242	0.07295 ± 0.00018	1012.5 ± 5.2	98.4
1.1	119	79	0.686	23	0.00004	1.7326 ± 0.0346	0.17238 ± 0.00271	0.07290 ± 0.00076	1011.1 ± 21.4	101.4

TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %[§]
BMH-01E3 Ferrogabbro, Woolen Mill										
28.2	187	61	0.339	36	0.00001	2.1099 ± 0.0370	0.19117 ± 0.00289	0.08005 ± 0.00057	1198.1 ± 14.2	94.1
17.1	178	64	0.369	34	0.00003	2.0637 ± 0.0365	0.18870 ± 0.00279	0.07932 ± 0.00064	1180.1 ± 16.0	94.4
15.1	133	46	0.353	27	0.00004	2.1313 ± 0.0414	0.19543 ± 0.00296	0.07909 ± 0.00082	1174.5 ± 20.8	98.0
18.2	130	42	0.333	25	0.00005	2.0487 ± 0.0400	0.18859 ± 0.00301	0.07879 ± 0.00074	1166.8 ± 18.7	95.5
2.1	324	107	0.340	62	0.00001	2.0510 ± 0.0329	0.18910 ± 0.00274	0.07866 ± 0.00042	1163.7 ± 10.6	95.9
27.1	138	50	0.375	28	0.00004	2.1039 ± 0.0395	0.19402 ± 0.00300	0.07864 ± 0.00070	1163.2 ± 17.8	98.3
24.1	171	67	0.404	33	0.00004	2.0462 ± 0.0379	0.18913 ± 0.00291	0.07847 ± 0.00067	1158.7 ± 17.0	96.4
19.1	144	53	0.384	28	0.00006	2.0617 ± 0.0369	0.19094 ± 0.00287	0.07831 ± 0.00063	1154.8 ± 16.0	97.5
9.1	367	231	0.649	76	0.00002	2.0329 ± 0.0322	0.18857 ± 0.00273	0.07819 ± 0.00038	1151.7 ± 9.7	96.7
8.1	299	141	0.488	60	0.00002	2.0404 ± 0.0336	0.18965 ± 0.00278	0.07803 ± 0.00046	1147.7 ± 11.7	97.5
5.1	267	119	0.461	53	0.00003	2.0227 ± 0.0394	0.18873 ± 0.00277	0.07773 ± 0.00087	1140.0 ± 22.3	97.8
6.1	278	99	0.369	54	0.00004	2.0455 ± 0.0355	0.19095 ± 0.00285	0.07769 ± 0.00056	1139.1 ± 14.3	98.9
13.1	310	136	0.452	61	0.00003	1.9920 ± 0.0332	0.18684 ± 0.00281	0.07733 ± 0.00043	1129.6 ± 11.1	97.8
16.1	92	26	0.299	18	0.00001	2.0245 ± 0.0389	0.19047 ± 0.00301	0.07709 ± 0.00070	1123.5 ± 18.2	100.0
12.1	206	93	0.467	41	0.00001	1.9965 ± 0.0419	0.18816 ± 0.00308	0.07696 ± 0.00087	1120.0 ± 22.6	99.2
3.2	139	47	0.349	27	0.00009	2.0173 ± 0.0386	0.19115 ± 0.00291	0.07654 ± 0.00076	1109.3 ± 19.9	101.7
20.1	126	53	0.439	24	0.00007	1.9106 ± 0.0363	0.18190 ± 0.00281	0.07618 ± 0.00071	1099.8 ± 18.8	98.0
11.1	318	150	0.486	59	<0.00001	1.8596 ± 0.0311	0.17723 ± 0.00261	0.07610 ± 0.00049	1097.8 ± 12.8	95.8
22.1	100	35	0.363	18	0.00004	1.8620 ± 0.0361	0.17752 ± 0.00275	0.07607 ± 0.00075	1097.0 ± 19.9	96.0
7.1	303	294	1.001	62	0.00002	1.7920 ± 0.0294	0.17099 ± 0.00250	0.07601 ± 0.00044	1095.3 ± 11.7	92.9
10.1	362	183	0.521	67	0.00004	1.8058 ± 0.0303	0.17325 ± 0.00254	0.07560 ± 0.00050	1084.4 ± 13.2	95.0
1.1	215	187	0.901	44	0.00001	1.8543 ± 0.0316	0.17790 ± 0.00262	0.07560 ± 0.00053	1084.4 ± 14.1	97.3
4.3	300	117	0.401	55	0.00001	1.8362 ± 0.0304	0.17656 ± 0.00257	0.07543 ± 0.00048	1079.9 ± 12.8	97.1
21.1	124	43	0.354	22	<0.00001	1.8359 ± 0.0363	0.17675 ± 0.00275	0.07534 ± 0.00079	1077.5 ± 21.1	97.4
23.1	176	75	0.439	33	0.00013	1.8620 ± 0.0351	0.17974 ± 0.00268	0.07513 ± 0.00073	1072.0 ± 19.7	99.4
3.1	61	20	0.345	11	0.00001	1.7561 ± 0.0473	0.17046 ± 0.00281	0.07472 ± 0.00144	1061.0 ± 39.3	95.6
24.2	65	22	0.359	11	0.00005	1.6482 ± 0.0513	0.16130 ± 0.00358	0.07411 ± 0.00142	1044.5 ± 39.2	92.3
25.1	49	18	0.388	8	0.00021	1.6646 ± 0.0493	0.16362 ± 0.00306	0.07379 ± 0.00153	1035.6 ± 42.6	94.3
17.2	67	21	0.329	12	0.00007	1.7315 ± 0.0424	0.17069 ± 0.00280	0.07357 ± 0.00119	1029.7 ± 33.2	98.7
14.1	426	382	0.927	90	0.00001	1.8163 ± 0.0299	0.17971 ± 0.00269	0.07330 ± 0.00039	1022.3 ± 10.8	104.2
18.1	55	18	0.339	9	0.00011	1.6572 ± 0.0443	0.16474 ± 0.00272	0.07296 ± 0.00139	1012.9 ± 39.1	97.1
26.1	75	21	0.291	12	0.00001	1.6004 ± 0.0353	0.15937 ± 0.00270	0.07283 ± 0.00088	1009.3 ± 24.7	94.5
4.2	54	18	0.344	9	0.00011	1.6652 ± 0.0485	0.16600 ± 0.00300	0.07275 ± 0.00150	1007.1 ± 42.5	98.3
28.1	70	22	0.324	12	0.00025	1.7271 ± 0.0462	0.17232 ± 0.00284	0.07269 ± 0.00139	1005.4 ± 39.2	101.9
22.2	56	23	0.417	9	0.00016	1.5249 ± 0.0455	0.15285 ± 0.00285	0.07235 ± 0.00152	995.9 ± 43.3	92.1
27.2	47	15	0.327	8	0.00001	1.6891 ± 0.0422	0.16995 ± 0.00308	0.07208 ± 0.00109	988.3 ± 31.0	102.4
4.1	67	20	0.313	11	0.00016	1.6203 ± 0.0416	0.16585 ± 0.00283	0.07086 ± 0.00122	953.3 ± 35.6	103.8
6.2	47	16	0.356	8	0.00012	1.6048 ± 0.0497	0.16437 ± 0.00297	0.07081 ± 0.00163	951.9 ± 47.8	103.1
BMH-01E4 Coarse anorthosite near the former Woolen Mill dam										
3.1	58	39	0.692	12	0.00010	2.0707 ± 0.0628	0.18867 ± 0.00347	0.07960 ± 0.00175	1187.1 ± 44.0	93.9
8.1	48	37	0.803	11	0.00006	2.1021 ± 0.0528	0.19346 ± 0.00322	0.07880 ± 0.00133	1167.2 ± 33.8	97.7
13.1	50	35	0.722	11	0.00037	2.1538 ± 0.0789	0.19919 ± 0.00365	0.07842 ± 0.00232	1157.6 ± 59.7	101.2
2.1	46	36	0.807	10	0.00010	2.0518 ± 0.0572	0.19032 ± 0.00331	0.07819 ± 0.00154	1151.7 ± 39.7	97.5
1.1	246	160	0.671	54	0.00001	2.1476 ± 0.0451	0.19957 ± 0.00313	0.07805 ± 0.00094	1148.0 ± 24.2	102.2
7.1	114	86	0.780	25	0.00002	2.1008 ± 0.0430	0.19635 ± 0.00306	0.07760 ± 0.00089	1136.7 ± 22.9	101.7
4.1	44	39	0.919	10	0.00002	2.0899 ± 0.0613	0.19534 ± 0.00338	0.07759 ± 0.00168	1136.5 ± 43.7	101.2
10.1	50	43	0.889	12	0.00009	2.1119 ± 0.0504	0.19757 ± 0.00334	0.07753 ± 0.00115	1134.8 ± 29.8	102.4
14.1	222	72	0.335	44	0.00004	2.0551 ± 0.0364	0.19251 ± 0.00295	0.07742 ± 0.00055	1132.2 ± 14.3	100.2
6.1	46	37	0.832	10	0.00008	2.0916 ± 0.0568	0.19691 ± 0.00340	0.07704 ± 0.00146	1122.2 ± 38.2	103.3
15.1	60	44	0.760	13	0.00012	2.0640 ± 0.0548	0.19488 ± 0.00332	0.07681 ± 0.00141	1116.3 ± 37.0	102.8
11.1	48	41	0.898	11	0.00022	2.0843 ± 0.0629	0.19736 ± 0.00341	0.07660 ± 0.00174	1110.7 ± 46.0	104.5
5.1	54	44	0.854	12	0.00012	1.9803 ± 0.0519	0.18873 ± 0.00330	0.07610 ± 0.00133	1097.7 ± 35.3	101.5
12.1	43	35	0.851	10	0.00004	2.0374 ± 0.0645	0.19486 ± 0.00341	0.07583 ± 0.00184	1090.6 ± 49.4	105.2

TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %§
AC-85-6 Mangerite at Moody's, south of Tupper Lake village										
24.1	135	43	0.329	27	0.00021	2.2674 ± 0.0527	0.19876 ± 0.00349	0.08274 ± 0.00109	1263.0 ± 25.9	92.5
21.1	224	91	0.419	48	0.00032	2.3542 ± 0.0573	0.20651 ± 0.00421	0.08268 ± 0.00091	1261.6 ± 21.6	95.9
12.2	746	175	0.243	145	0.00010	2.1592 ± 0.0378	0.19543 ± 0.00322	0.08013 ± 0.00034	1200.2 ± 8.3	95.9
12.1	193	56	0.301	37	0.00019	2.1199 ± 0.0466	0.19213 ± 0.00330	0.08002 ± 0.00094	1197.5 ± 23.4	94.6
32.1	340	95	0.288	67	0.00019	2.1504 ± 0.0407	0.19621 ± 0.00330	0.07949 ± 0.00054	1184.3 ± 13.5	97.5
11.1	550	141	0.265	108	0.00008	2.1540 ± 0.0392	0.19714 ± 0.00329	0.07924 ± 0.00043	1178.2 ± 10.7	98.4
20.1	215	94	0.453	44	0.00021	2.1624 ± 0.0440	0.19831 ± 0.00344	0.07908 ± 0.00069	1174.2 ± 17.3	99.3
10.1	511	117	0.237	101	0.00008	2.1815 ± 0.0385	0.20011 ± 0.00329	0.07906 ± 0.00038	1173.8 ± 9.5	100.2
30.1	265	66	0.256	55	0.00021	2.2594 ± 0.0465	0.20761 ± 0.00365	0.07893 ± 0.00069	1170.4 ± 17.4	103.9
9.1	529	129	0.251	105	0.00009	2.1644 ± 0.0418	0.19955 ± 0.00328	0.07866 ± 0.00065	1163.7 ± 16.5	100.8
25.1	831	168	0.208	160	0.00005	2.1239 ± 0.0364	0.19619 ± 0.00319	0.07851 ± 0.00028	1159.9 ± 7.2	99.6
15.1	168	55	0.339	34	0.00023	2.1329 ± 0.0472	0.20044 ± 0.00348	0.07718 ± 0.00091	1125.8 ± 23.7	104.6
8.1	742	71	0.099	123	0.00004	1.7844 ± 0.0322	0.17472 ± 0.00290	0.07407 ± 0.00039	1043.5 ± 10.8	99.5
16.1	4367	108	0.256	440	0.00007	0.9465 ± 0.0440	0.10239 ± 0.00472	0.06704 ± 0.00019	839.1 ± 5.9	74.9
AC-85-10 Mafic mangerite, River Road between Bloomingdale and Franklin Falls										
20.2	77	28	0.381	15	0.00063	2.1584 ± 0.0679	0.19495 ± 0.00366	0.08030 ± 0.00185	1204.3 ± 46.0	95.3
5.1	516	206	0.412	104	0.00011	2.1273 ± 0.0385	0.19429 ± 0.00319	0.07941 ± 0.00046	1182.4 ± 11.6	96.8
16.1	135	57	0.433	27	0.00036	2.1121 ± 0.0500	0.19351 ± 0.00347	0.07916 ± 0.00106	1176.2 ± 26.6	97.0
7.1	107	53	0.514	22	0.00056	2.0811 ± 0.0598	0.19068 ± 0.00345	0.07916 ± 0.00160	1176.1 ± 40.4	95.7
10.1	226	108	0.492	46	0.00022	2.0871 ± 0.0499	0.19202 ± 0.00324	0.07883 ± 0.00118	1167.9 ± 29.9	97.0
8.1	138	70	0.521	29	0.00039	2.1772 ± 0.0573	0.20077 ± 0.00355	0.07865 ± 0.00137	1163.3 ± 34.9	101.4
9.1	384	164	0.442	75	0.00009	2.0104 ± 0.0380	0.18650 ± 0.00316	0.07818 ± 0.00051	1151.5 ± 13.0	95.7
24.1	177	87	0.505	36	0.00020	2.0354 ± 0.0448	0.19030 ± 0.00346	0.07757 ± 0.00080	1135.9 ± 20.7	98.9
26.1	186	73	0.402	36	0.00017	2.0210 ± 0.0489	0.18937 ± 0.00328	0.07740 ± 0.00115	1131.6 ± 29.9	98.8
15.1	312	137	0.453	60	0.00011	1.9627 ± 0.0375	0.18440 ± 0.00308	0.07720 ± 0.00057	1126.3 ± 14.9	96.9
20.1	63	21	0.339	12	0.00065	1.9158 ± 0.0697	0.18451 ± 0.00363	0.07531 ± 0.00212	1076.7 ± 57.7	101.4
14.2	309	46	0.155	50	0.00022	1.7147 ± 0.0362	0.16960 ± 0.00296	0.07332 ± 0.00072	1022.9 ± 20.1	98.7
9-23-85-7 Charnockitic gneiss, Schroon Lake (north of Pottersville)										
32.1	479	138	0.297	94	0.00001	2.1394 ± 0.0405	0.19437 ± 0.00264	0.07983 ± 0.00092	1192.7 ± 23.0	96.0
2.1	214	74	0.356	42	0.00001	2.1021 ± 0.0449	0.19124 ± 0.00314	0.07972 ± 0.00094	1190.1 ± 23.5	94.8
13.2	466	146	0.324	90	0.00001	2.0824 ± 0.0324	0.19021 ± 0.00251	0.07940 ± 0.00053	1182.1 ± 13.3	95.0
51.1	398	120	0.312	81	0.00001	2.1965 ± 0.0356	0.20112 ± 0.00277	0.07921 ± 0.00055	1177.4 ± 13.8	100.3
13.1	127	40	0.326	25	0.00002	2.0938 ± 0.0462	0.19210 ± 0.00300	0.07905 ± 0.00109	1173.4 ± 27.5	96.5
23.1	309	126	0.421	61	0.00001	2.0852 ± 0.0394	0.19158 ± 0.00307	0.07894 ± 0.00065	1170.6 ± 16.3	96.5
6.1	269	91	0.349	50	0.00001	1.9843 ± 0.0336	0.18264 ± 0.00242	0.07880 ± 0.00071	1167.0 ± 17.9	92.7
46.2	447	137	0.316	88	0.00004	2.1224 ± 0.0395	0.19545 ± 0.00322	0.07876 ± 0.00054	1166.1 ± 13.6	98.7
18.2	395	138	0.360	74	0.00001	1.9840 ± 0.0334	0.18273 ± 0.00251	0.07875 ± 0.00064	1165.8 ± 16.2	92.8
46.1	335	246	0.757	74	0.00002	2.1329 ± 0.0338	0.19663 ± 0.00257	0.07867 ± 0.00059	1164.0 ± 15.0	99.4
42.1	148	56	0.394	28	0.00005	2.0154 ± 0.0448	0.18606 ± 0.00276	0.07856 ± 0.00116	1161.1 ± 29.6	94.7
48.1	308	96	0.322	63	<0.00001	2.1859 ± 0.0353	0.20181 ± 0.00276	0.07856 ± 0.00055	1161.0 ± 14.1	102.1
6.2	292	102	0.360	58	0.00002	2.0924 ± 0.0359	0.19355 ± 0.00272	0.07840 ± 0.00064	1157.1 ± 16.4	98.6
34.1	249	91	0.375	50	<0.00001	2.0936 ± 0.0365	0.19504 ± 0.00266	0.07785 ± 0.00072	1143.1 ± 18.5	100.5
46.3	346	92	0.276	68	0.00002	2.1033 ± 0.0415	0.19610 ± 0.00339	0.07779 ± 0.00059	1141.5 ± 15.3	101.1
1.1	387	122	0.326	78	0.00001	2.1379 ± 0.0354	0.19952 ± 0.00267	0.07771 ± 0.00064	1139.6 ± 16.5	102.9
34.2	104	33	0.324	18	0.00012	1.8149 ± 0.0495	0.17431 ± 0.00316	0.07551 ± 0.00138	1082.2 ± 37.1	95.7
29.1	113	42	0.382	22	0.00014	1.9406 ± 0.0518	0.18783 ± 0.00350	0.07493 ± 0.00127	1066.7 ± 34.5	104.0
34.3.2	557	8	0.016	92	<0.00001	1.8337 ± 0.0287	0.17920 ± 0.00233	0.07421 ± 0.00054	1047.3 ± 14.7	101.5
38.2	578	25	0.046	98	0.00001	1.8531 ± 0.0283	0.18148 ± 0.00235	0.07406 ± 0.00050	1043.0 ± 13.6	103.1
18.1	354	2	0.006	56	0.00001	1.7463 ± 0.0313	0.17165 ± 0.00230	0.07379 ± 0.00077	1035.6 ± 21.1	98.6

TABLE DR1. (CONTINUED)

Spot	U (ppm)	Th (ppm)	Th/U	Pb* (ppm)	$^{204}Pb/^{206}Pb$	$^{207}Pb/^{235}U \pm 1\omega^{\dagger}$	$^{206}Pb/^{238}U \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb \pm 1\omega^{\dagger}$	$^{207}Pb/^{206}Pb$ age $\pm 1\omega^{\dagger}$ (Ma)	Conc. %§
BMH-01-15 Mangeritic-charnockitic dike cutting Marcy anorthosite at Wabeek										
24.1	146	67	0.470	30	0.00006	2.1638 ± 0.0465	0.19546 ± 0.00279	0.08029 ± 0.00115	1204.1 ± 28.6	95.6
19.1	139	42	0.310	28	0.00001	2.1480 ± 0.0396	0.19583 ± 0.00266	0.07955 ± 0.00087	1186.0 ± 21.7	97.2
12.1	470	134	0.294	92	0.00003	2.1316 ± 0.0334	0.19563 ± 0.00257	0.07903 ± 0.00056	1172.8 ± 14.0	98.2
15.1	118	45	0.395	23	0.00011	2.0936 ± 0.0445	0.19270 ± 0.00273	0.07880 ± 0.00112	1167.1 ± 28.4	97.3
32.1	233	101	0.449	49	0.00002	2.2065 ± 0.0377	0.20321 ± 0.00274	0.07875 ± 0.00070	1165.9 ± 17.8	102.3
35.1	425	190	0.461	88	0.00002	2.1516 ± 0.0323	0.19858 ± 0.00258	0.07858 ± 0.00047	1161.6 ± 12.0	100.5
17.1	352	113	0.332	70	0.00003	2.1295 ± 0.0328	0.19717 ± 0.00255	0.07833 ± 0.00055	1155.3 ± 13.9	100.4
1.1	445	181	0.420	93	0.00001	2.1584 ± 0.0327	0.20038 ± 0.00267	0.07812 ± 0.00045	1150.0 ± 11.6	102.4
46.1	228	67	0.302	43	0.00002	2.0217 ± 0.0392	0.18773 ± 0.00305	0.07811 ± 0.00068	1149.6 ± 17.5	96.5
26.1	347	107	0.320	72	0.00006	2.2115 ± 0.0362	0.20542 ± 0.00283	0.07808 ± 0.00057	1148.9 ± 14.6	104.8
22.1	128	69	0.552	27	0.00005	2.1253 ± 0.0466	0.19913 ± 0.00300	0.07741 ± 0.00109	1131.7 ± 28.4	103.4
39.1	156	81	0.539	31	0.00008	2.0172 ± 0.0410	0.19048 ± 0.00269	0.07681 ± 0.00100	1116.2 ± 26.1	100.7
34.1	198	62	0.325	39	0.00003	2.0177 ± 0.0382	0.19255 ± 0.00268	0.07600 ± 0.00085	1095.1 ± 22.6	103.7
13.1	154	43	0.286	29	0.00008	1.9834 ± 0.0421	0.18989 ± 0.00265	0.07576 ± 0.00109	1088.6 ± 29.1	103.0
11.1	217	82	0.391	39	0.00006	1.8165 ± 0.0344	0.17671 ± 0.00246	0.07455 ± 0.00083	1056.5 ± 22.7	99.3

Notes: Corrections for common Pb made using measured ^{204}Pb. See Appendix for analytical details. Pb* = radiogenic Pb. Spot numbering: 34.3.2 refers to repeat (second) analysis of third spot on grain 34.

† All errors on ratios and ages reported at 1ω level of uncertainty, absolute, and reflect numerical propagation of all known sources of error.

§ Concordance, in percent = 100 x ($^{206}Pb/^{238}U$ age)/($^{207}Pb/^{206}Pb$ age).