

Table 1. Zircon U-Th-Pb SHRIMP analytical data from the Purrido formation samples.

Spot number and description ^a	Common ²⁰⁶ Pb (%)	U (ppm)	Th (ppm)	²³² Th/ ²³⁸ U	²³⁸ U/ ²⁰⁶ Pb ^b	²⁰⁷ Pb/ ²⁰⁶ Pb ^b	²³⁸ U/ ²⁰⁶ Pb ^c	²⁰⁷ Pb/ ²⁰⁶ Pb ^c	²⁰⁶ Pb/ ²³⁸ U ^d	²⁰⁶ Pb/ ²³⁸ U ^e age*	
						1σ errors (%)			1σ errors (absolute)		
<i>GCH-07-1: Purrido quarry amphibolite (UTM:576492-4839695)</i>											
3.1	2, r	1.51	6.7	4.4	0.68	18.55360 ± 2.59	0.0653 ± 8.15	19.56737 ± 3.90	--	0.0531 ± 0.0014	333 ± 8.8
1.1	2, r	<0.01	6.4	2.3	0.37	17.34204 ± 2.50	0.0521 ± 7.46	18.65133 ± 4.98	--	0.0578 ± 0.0015	362 ± 9.1
22	1	0.09	57	33	0.59	17.24856 ± 0.79	0.0545 ± 3.64	17.31307 ± 0.81	0.0515 ± 4.93	0.0579 ± 0.0005	363 ± 2.9
17	3	1.93	12	0.08	0.01	16.80659 ± 1.97	0.0695 ± 5.92	17.33011 ± 2.85	0.0448 ± 38.84	0.0584 ± 0.0012	366 ± 7.3
19	3	1.16	6.7	0.08	0.01	16.79730 ± 2.58	0.0633 ± 6.85	16.79730 ± 2.58	0.0633 ± 6.85	0.0588 ± 0.0016	369 ± 9.5
23	2, c	0.34	60	41	0.71	16.78963 ± 0.84	0.0567 ± 3.15	16.78963 ± 0.84	0.0567 ± 3.15	0.0594 ± 0.0005	372 ± 3.2
3.2	2, c	0.16	191	222	1.20	16.78237 ± 0.46	0.0553 ± 1.32	16.78237 ± 0.46	0.0553 ± 1.32	0.0595 ± 0.0003	373 ± 1.7
8	2, c	0.07	54	34	0.65	16.72739 ± 0.82	0.0546 ± 2.38	16.80861 ± 0.85	0.0507 ± 4.32	0.0597 ± 0.0005	374 ± 3.1
16	1	0.17	99	96	1.00	16.53690 ± 0.65	0.0555 ± 1.85	16.60625 ± 0.67	0.0522 ± 3.31	0.0604 ± 0.0004	378 ± 2.5
4	4, c	8.01	35	13	0.39	15.20913 ± 0.98	0.1188 ± 3.41	16.72282 ± 1.92	0.0449 ± 31.73	0.0605 ± 0.0007	379 ± 4.2
12.2	1	0.19	64	40	0.65	16.40644 ± 0.81	0.0558 ± 2.29	16.40644 ± 0.81	0.0558 ± 2.29	0.0608 ± 0.0005	381 ± 3.1
7	1	0.03	40	24	0.61	16.12605 ± 1.00	0.0547 ± 3.62	16.12605 ± 1.00	0.0547 ± 3.62	0.0620 ± 0.0006	388 ± 3.9
5	2, c	<0.01	89	51	0.60	16.04197 ± 0.67	0.0538 ± 1.92	16.04197 ± 0.67	0.0538 ± 1.92	0.0624 ± 0.0004	390 ± 2.6
13	1	1.08	24	8.1	0.34	15.82090 ± 1.65	0.0632 ± 4.39	16.00412 ± 1.73	0.0539 ± 9.35	0.0625 ± 0.0011	391 ± 6.5
9	3	0.19	94	87	0.96	15.92463 ± 0.65	0.0560 ± 2.36	15.92463 ± 0.65	0.0560 ± 2.36	0.0627 ± 0.0004	392 ± 2.6
1.2	2, c	0.05	45	24	0.55	15.90286 ± 0.98	0.0550 ± 2.73	16.01437 ± 1.09	0.0493 ± 8.36	0.0628 ± 0.0006	393 ± 3.9
12.1	1	<0.01	44	25	0.60	15.82492 ± 0.91	0.0542 ± 2.58	15.94942 ± 0.97	0.0478 ± 6.68	0.0632 ± 0.0006	395 ± 3.6
6	4, c	<0.01	30	21	0.71	15.88019 ± 1.12	0.0509 ± 3.30	15.88019 ± 1.12	0.0509 ± 3.30	0.0633 ± 0.0007	395 ± 4.4
2	4, c	<0.01	20	10	0.53	15.78038 ± 1.26	0.0523 ± 3.68	15.78038 ± 1.26	0.0523 ± 3.68	0.0636 ± 0.0008	397 ± 5.0
10	3	0.26	29	16	0.56	15.67904 ± 1.23	0.0568 ± 3.44	15.67904 ± 1.23	0.0568 ± 3.44	0.0636 ± 0.0008	398 ± 4.9
15	4, c	<0.01	149	105	0.73	15.74415 ± 0.55	0.0533 ± 1.59	15.80172 ± 0.58	0.0503 ± 3.24	0.0636 ± 0.0004	398 ± 2.2
11	4, c	0.23	47	20	0.44	15.62671 ± 0.92	0.0565 ± 4.03	15.62671 ± 0.92	0.0565 ± 4.03	0.0638 ± 0.0006	399 ± 3.8
18	1	0.21	42	27	0.67	15.57934 ± 1.00	0.0564 ± 2.88	15.57934 ± 1.00	0.0564 ± 2.88	0.0641 ± 0.0007	400 ± 4.0
20	1	<0.01	48	34	0.73	15.46324 ± 0.94	0.0534 ± 2.71	15.57726 ± 1.06	0.0474 ± 9.10	0.0648 ± 0.0006	405 ± 3.8
21	3	<0.01	17	7.2	0.43	15.33841 ± 1.57	0.0528 ± 5.74	15.64123 ± 1.77	0.0368 ± 19.96	0.0654 ± 0.0011	408 ± 6.5
14	2, c	<0.01	123	144	1.21	15.05100 ± 0.67	0.0544 ± 2.78	15.05100 ± 0.67	0.0544 ± 2.78	0.0665 ± 0.0005	415 ± 2.8
<i>GCH-07-2: Purrido quarry amphibolite (UTM:576482-4839707)</i>											
17	1	0.06	46	21	0.48	17.43179 ± 0.99	0.0542 ± 2.91	17.51661 ± 1.01	0.0503 ± 4.81	0.0573 ± 0.0006	359 ± 3.6
7	1	0.28	29	16	0.56	17.36873 ± 1.21	0.0560 ± 3.38	17.36873 ± 1.21	0.0560 ± 3.38	0.0574 ± 0.0007	360 ± 4.3
11	1	0.04	116	67	0.60	17.14788 ± 0.56	0.0542 ± 1.63	17.14788 ± 0.56	0.0542 ± 1.63	0.0583 ± 0.0003	365 ± 2.1
23	1	0.06	101	64	0.66	16.93314 ± 0.63	0.0544 ± 1.83	16.98665 ± 0.65	0.0519 ± 3.10	0.0590 ± 0.0004	370 ± 2.3
10	4, c	0.07	79	54	0.71	16.81515 ± 0.69	0.0546 ± 2.08	16.85760 ± 0.70	0.0526 ± 2.88	0.0594 ± 0.0004	372 ± 2.6
18	1	0.10	158	79	0.52	16.73637 ± 0.56	0.0549 ± 1.42	16.73637 ± 0.56	0.0549 ± 1.42	0.0597 ± 0.0003	374 ± 2.1
13	1	0.27	31	16	0.54	16.67379 ± 1.13	0.0562 ± 3.15	16.67379 ± 1.13	0.0562 ± 3.15	0.0598 ± 0.0007	375 ± 4.2
1	1	0.16	112	98	0.91	16.68036 ± 1.09	0.0554 ± 1.71	16.68036 ± 1.09	0.0554 ± 1.71	0.0599 ± 0.0007	375 ± 4.0
4	1	0.29	96	51	0.55	16.61997 ± 0.64	0.0564 ± 1.81	16.61997 ± 0.64	0.0564 ± 1.81	0.0600 ± 0.0004	376 ± 2.4
20	1	0.12	119	48	0.41	16.49317 ± 0.56	0.0551 ± 1.59	16.52218 ± 0.56	0.0537 ± 2.02	0.0606 ± 0.0003	379 ± 2.1
14	3	0.06	35	16	0.47	16.45930 ± 1.08	0.0547 ± 3.07	16.45930 ± 1.08	0.0547 ± 3.07	0.0607 ± 0.0007	380 ± 4.1
9	4, c	0.29	59	41	0.72	16.41973 ± 0.92	0.0566 ± 2.29	16.41973 ± 0.92	0.0566 ± 2.29	0.0607 ± 0.0006	380 ± 3.5
8	1	0.14	34	19	0.58	16.43695 ± 1.05	0.0553 ± 2.97	16.43695 ± 1.05	0.0553 ± 2.97	0.0608 ± 0.0007	380 ± 4.0
27	3	<0.01	13	4.8	0.40	16.45137 ± 1.83	0.0542 ± 5.21	16.45137 ± 1.83	0.0542 ± 5.21	0.0608 ± 0.0011	380 ± 6.9
24	3	<0.01	48	21	0.45	16.40326 ± 0.89	0.0536 ± 2.60	16.55702 ± 0.99	0.0460 ± 8.33	0.0610 ± 0.0006	382 ± 3.4
22	4, c	0.21	50	29	0.60	16.30755 ± 0.89	0.0560 ± 2.76	16.40224 ± 0.93	0.0513 ± 5.10	0.0612 ± 0.0006	383 ± 3.4
12	1	<0.01	38	20	0.56	16.18054 ± 1.02	0.0539 ± 2.91	16.18054 ± 1.02	0.0539 ± 2.91	0.0618 ± 0.0006	387 ± 3.9
26	1	<0.01	111	50	0.46	15.99990 ± 0.62	0.0541 ± 1.79	15.99990 ± 0.62	0.0541 ± 1.79	0.0625 ± 0.0004	391 ± 2.4
15	1	<0.01	63	26	0.42	15.97185 ± 0.81	0.0532 ± 2.32	16.03031 ± 0.83	0.0503 ± 3.62	0.0627 ± 0.0005	392 ± 3.2
25	1	<0.01	65	28	0.44	15.90457 ± 0.80	0.0541 ± 2.77	15.90457 ± 0.80	0.0541 ± 2.77	0.0629 ± 0.0005	393 ± 3.2
2	1	0.03	126	68	0.56	15.82149 ± 0.55	0.0549 ± 1.56	15.84731 ± 0.56	0.0535 ± 2.06	0.0632 ± 0.0004	395 ± 2.2
19	1	<0.01	23	12	0.53	15.82895 ± 1.30	0.0525 ± 3.79	15.82895 ± 1.30	0.0525 ± 3.79	0.0633 ± 0.0009	396 ± 5.2
21	2, c	<0.01	51	40	0.82	15.80163 ± 0.87	0.0502 ± 3.92	15.68353 ± 0.93	0.0563 ± 5.91	0.0636 ± 0.0006	398 ± 3.5
16	4, c	<0.01	42	24	0.58	15.80443 ± 0.99	0.0488 ± 3.25	15.80443 ± 0.99	0.0488 ± 3.25	0.0637 ± 0.0006	398 ± 3.9
5	4, c	<0.01	39	21	0.54	15.72194 ± 1.01	0.0525 ± 3.69	15.89272 ± 1.16	0.0437 ± 11.43	0.0638 ± 0.0007	399 ± 4.1
6	4, c	0.16	68	39	0.59	15.64673 ± 0.78	0.0559 ± 2.16	15.64673 ± 0.78	0.0559 ± 2.16	0.0638 ± 0.0005	399 ± 3.1
3	4, c	<0.01	56	33	0.61	15.32048 ± 0.99	0.0522 ± 3.24	15.42586 ± 1.05	0.0466 ± 7.05	0.0655 ± 0.0007	409 ± 4.1
<i>GCH-07-7: Punta Chiriateira amphibolite (UTM:573361-4834811)</i>											
B-3	3	3.79	0.8	0.02	0.03	17.50431 ± 6.13	0.0839 ± 14.72	17.50431 ± 6.13	0.0839 ± 14.72	0.0550 ± 0.0035	345 ± 14.6
B-1.1	3	1.16	7.4	0.08	0.01	17.62901 ± 2.51	0.0629 ± 9.36	17.62901 ± 2.51	0.0629 ± 9.36	0.0561 ± 0.0015	352 ± 6.2
A-7.1	3	0.09	21	0.37	0.02	17.42504 ± 1.70	0.0544 ± 5.18	16.71939 ± 2.48	0.0870 ± 16.39	0.0573 ± 0.0010	359 ± 2.5
A-7.3	3	0.91	20	0.34	0.02	17.15836 ± 1.78	0.0612 ± 4.96	17.15836 ± 1.78	0.0612 ± 4.96	0.0577 ± 0.0011	362 ± 2.7
B-1.2	3, nlt	<0.01	265	20	0.08	16.73750 ± 0.39	0.0534 ± 1.14	16.74484 ± 0.40	0.0530 ± 1.23	0.0598 ± 0.0002	374 ± 1.0
A-1	3	0.51	16	0.40	0.03	16.62676 ± 1.91	0.0582 ± 5.27	16.62676 ± 1.91	0.0582 ± 5.27	0.0598 ± 0.0012	375 ± 2.9
B-2.1	3	0.71	7.0	0.14	0.02	16.57781 ± 2.02	0.0598 ± 5.61	17.49568 ± 2.90	--	0.0599 ± 0.0012	375 ± 5.2
A-12	3	20	0.7	0.01	0.01	13.24990 ± 9.56	0.2156 ± 13.75	20.95479 ± 28.87	--	0.0604 ± 0.0065	378 ± 16.2
A-7.2	3, nlt	0.30	220	12	0.06	16.42422 ± 0.56	0.0566 ± 1.56	16.50274 ± 0.59	0.0528 ± 3.24	0.0607 ± 0.0004	380 ± 2.1
A-9	3, nlt	<0.01	172	13	0.08	16.47387 ± 0.70	0.0533 ± 1.79	16.47387 ± 0.70	0.0533 ± 1.79	0.0608 ± 0.0004	380 ± 2.6
A-2	3	<0.01	17	0.34	0.02	16.52556 ± 1.89	0.0504 ± 6.10	16.33251 ± 1.99	0.0599 ± 9.61	0.0608 ± 0.0012	380 ± 7.2
A-5	3	1.46	1.1	0.06	0.06	16.18358 ± 7.05	0.0660 ± 18.50	16.18358 ± 7.05	0.0660 ± 18.50	0.0609 ± 0.0044	381 ± 11.1
A-3	3, nlt	<0.01	481	61	0.13	16.40089 ± 0.40	0.0534 ± 1.14	16.40089 ± 0.40	0.0534 ± 1.14	0.0610 ± 0.0003	382 ± 1.5
A-8	3	0.12	15	0.32	0.02	16.27559 ± 2.02	0.0553 ± 5.67	17.02849 ± 3.14	--	0.0614 ± 0.0013	384 ± 7.8
A-10	3	4.23	1.7	0.03	0.02	15.60005 ± 6.19	0.0884 ± 13.79	22.88046 ± 20.08	--	0.0614 ± 0.0040	384 ± 9.9
A-4	3	8.14	0.9	0.01	0.02	14.88871 ± 8.22	0.1200 ± 16.42	14.88871 ± 8.22	0.1200 ± 16.42	0.0617 ± 0.0054	386 ± 13.4
B-2.2	3	0.22	23	0.39	0.02	16.16111 ± 1.18	0.0561 ± 3.33	16.16111 ±			