

## APPENDIX 8

### SHRIMP data for fine-grained Bt granite (sample 300 VI)

Spot	$^{206}\text{Pb}_c$ [%]	U [ppm]	Th [ppm]	$^{232}\text{Th}/$ $^{238}\text{U}$	$^{206}\text{Pb}^*$ [ppm]	(1) $^{206}\text{Pb}/^{238}\text{U}$ Age	(1) $^{207}\text{Pb}/^{206}\text{Pb}$ Age	Discor- dant [%]	Total $^{238}\text{U}/$ $^{206}\text{Pb}$	$\pm$ [%]	Total $^{207}\text{Pb}/$ $^{206}\text{Pb}$	$\pm$ [%]	(1) $^{207}\text{Pb}^*/$ $^{206}\text{Pb}^*$	$\pm$ [%]	(1) $^{207}\text{Pb}^*/$ $^{235}\text{U}$	$\pm$ [%]	(1) $^{206}\text{Pb}^*$ $^{238}\text{U}$	$\pm$ [%]	Err corr		
300 VI 31.1	2.22	173	74	0.44	7.3	300.5	$\pm 7.5$	-182	$\pm 352$	265	20.49	2.5	0.0610	2.9	0.0428	14.1	0.281	14.3	0.0477	2.6	0.593
300 VI 32.1	1.30	313	147	0.49	12.8	295.1	$\pm 5.8$	-47	$\pm 253$	732	21.07	1.9	0.0558	2.3	0.0452	10.4	0.292	10.6	0.0468	2.0	0.603
300 VI 33.1	0.65	196	151	0.8	8.0	297.4	$\pm 6.1$	483	$\pm 154$	38	21.04	2.0	0.062	3.8	0.0568	7.0	0.37	7.3	0.0472	2.1	0.404
300 VI 34.1	1.21	231	154	0.69	9.4	294.0	$\pm 5.9$	153	$\pm 150$	-92	21.17	2.0	0.0589	2.7	0.0491	6.4	0.316	6.7	0.0467	2.0	0.578
300 VI 35.1	0.64	627	513	0.84	25.6	297.8	$\pm 5.4$	204	$\pm 91$	-46	21.02	1.8	0.0554	1.6	0.0502	3.9	0.327	4.3	0.0473	1.9	0.766
300 VI 36.1	1.01	237	76	0.33	9.3	286.1	$\pm 5.8$	365	$\pm 70$	22	21.81	2.1	0.062	2.6	0.0538	3.1	0.337	3.7	0.0454	2.1	0.552
300 VI 37.1	0.09	3935	785	0.21	166.5	309.8	$\pm 5.3$	300	$\pm 18$	-3	20.30	1.8	0.053	0.6	0.0523	0.8	0.355	1.9	0.0492	1.8	0.944
300 VI 37.2	0.87	403	220	0.56	15.9	286.9	$\pm 5.4$	206	$\pm 130$	-39	21.78	1.9	0.0573	2.0	0.0502	5.6	0.315	5.9	0.0455	1.9	0.666
300 VI 38.1	1.82	192	129	0.69	8.0	298.1	$\pm 6.5$	-34	$\pm 395$	988	20.74	2.0	0.0603	4.0	0.0454	16.3	0.296	16.4	0.0473	2.2	0.400
300 VI 39.1	0.80	365	150	0.43	26.8	524.6	$\pm 9.6$	466	$\pm 79$	-12	11.70	1.9	0.0628	1.5	0.0564	3.6	0.659	4.0	0.0848	1.9	0.765
300 VI 39.2	0.69	213	146	0.71	18.0	600.2	$\pm 11.3$	501	$\pm 76$	-20	10.18	2.0	0.0628	1.8	0.0572	3.4	0.770	4.0	0.0976	2.0	0.719
300 VI 40.1	1.45	161	151	0.97	6.7	301.8	$\pm 6.5$	397	$\pm 227$	24	20.56	2.1	0.0663	2.9	0.0546	10.1	0.361	10.4	0.0479	2.2	0.536
300 VI 41.1	1.62	322	172	0.55	13.2	295.2	$\pm 5.8$	-10	$\pm 228$	3186	21.00	1.9	0.0591	2.3	0.0459	9.5	0.296	9.7	0.0469	2.0	0.592
300 VI 42.1	2.81	3913	1143	0.30	205.9	372.7	$\pm 6.8$	200	$\pm 231$	-86	16.33	1.8	0.073	4.0	0.0501	9.9	0.411	10.1	0.0595	1.9	0.293
300 VI 43.1	3.31	3422	1518	0.46	79.4	166.1	$\pm 3.3$	432	$\pm 210$	62	37.04	1.9	0.0822	1.6	0.0555	9.4	0.200	9.6	0.0261	2.0	0.771
300 VI 44.1	0.28	1545	127	0.08	66.0	311.9	$\pm 5.5$	269	$\pm 37$	-16	20.11	1.8	0.0539	1.0	0.0516	1.6	0.353	2.4	0.0496	1.8	0.858
300 VI 45.1	1.29	219	123	0.58	13.8	451.5	$\pm 9.0$	347	$\pm 143$	-30	13.60	2.0	0.0639	2.1	0.0534	6.3	0.535	6.6	0.0726	2.1	0.647
300 VI 46.1	2.31	157	72	0.47	6.7	303.7	$\pm 6.5$	122	$\pm 163$	-149	20.25	2.2	0.0673	4.7	0.0485	6.9	0.322	7.2	0.0482	2.2	0.388
300 VI 47.1	1.13	166	68	0.42	6.9	302.3	$\pm 6.7$	268	$\pm 245$	-13	20.59	2.2	0.0608	3.5	0.0516	10.7	0.342	10.9	0.0480	2.3	0.431
300 VI 48.1	1.66	228	206	0.93	9.4	296.2	$\pm 6.0$	164	$\pm 218$	-80	20.91	2.0	0.0629	2.9	0.0493	9.3	0.320	9.6	0.0470	2.1	0.481
300 VI 49.1	1.54	173	81	0.48	7.2	302.5	$\pm 6.3$	65	$\pm 233$	-362	20.50	2.1	0.0599	3.0	0.0473	9.8	0.313	10.0	0.048	2.1	0.529

Errors are 1  $\sigma$ ; Pbc and Pb\* indicate the common and radiogenic portions, respectively; error in standard calibration was 1.41% (not included in above errors; but required when comparing data from different mounts); (1) – common Pb corrected using measured  $^{204}\text{Pb}$