

## APPENDIX 6

### SHRIMP data for medium-grained Bt granite (sample 300 V)

| Spot       | $^{206}\text{Pb}_c$<br>[%] | U<br>[ppm] | Th<br>[ppm] | $^{232}\text{Th}/$<br>$^{238}\text{U}$ | $^{206}\text{Pb}^*$<br>[ppm] | (1)<br>$^{206}\text{Pb}/^{238}\text{U}$<br>Age | (1)<br>$^{207}\text{Pb}/^{206}\text{Pb}$<br>Age | Discor-<br>dant<br>[%] | Total<br>$^{238}\text{U}/$<br>$^{206}\text{Pb}$ | $\pm$<br>[%] | (1)<br>$^{207}\text{Pb}^*/$<br>$^{206}\text{Pb}$<br>[%] | $\pm$<br>[%] | (1)<br>$^{207}\text{Pb}^*/$<br>$^{235}\text{U}$<br>[%] | $\pm$<br>[%] | (1)<br>$^{206}\text{Pb}^*/$<br>$^{238}\text{U}$<br>[%] | $\pm$<br>[%] | Err<br>corr |
|------------|----------------------------|------------|-------------|--|------------------------------|--|---|------------------------|---|--------------|---|--------------|--|--------------|--|--------------|-------------|
| 300 V 1.1  | 0.25                       | 178        | 196         | 1.13                                   | 7.4                          | 304 $\pm$ 3.5                                  | 305 $\pm$ 77                                    | 1                      | 20.74   | 1.2          | 0.0525  | 3.4          | 0.35   | 3.6          | 0.0482   | 1.2          | 0.330       |
| 300 V 2.1  | 0.30                       | 486        | 409         | 0.87                                   | 21.3                         | 320 $\pm$ 3.1                                  | 324 $\pm$ 74                                    | 1                      | 19.65   | 1.0          | 0.0529  | 3.3          | 0.37   | 3.4          | 0.0509   | 1.0          | 0.289       |
| 300 V 2.2  | 1.16                       | 3525       | 1629        | 0.48                                   | 145.6                        | 299 $\pm$ 2.5                                  | 310 $\pm$ 47                                    | 4                      | 21.05   | 0.9          | 0.0526  | 2.1          | 0.34   | 2.2          | 0.0475   | 0.9          | 0.387       |
| 300 V 3.1  | 0.11                       | 942        | 487         | 0.53                                   | 39.0                         | 303 $\pm$ 2.7                                  | 285 $\pm$ 41                                    | -6                     | 20.76   | 0.9          | 0.052   | 1.8          | 0.35   | 2.0          | 0.0482   | 0.9          | 0.457       |
| 300 V 3.2  | 2.16                       | 1530       | 549         | 0.37                                   | 67.1                         | 314 $\pm$ 2.8                                  | 308 $\pm$ 78                                    | -2                     | 20.01   | 0.9          | 0.0525  | 3.4          | 0.36   | 3.6          | 0.0499   | 0.9          | 0.253       |
| 300 V 4.1  | 0.11                       | 2335       | 1505        | 0.67                                   | 98.0                         | 307 $\pm$ 3.4                                  | 316 $\pm$ 23                                    | 3                      | 20.50   | 1.1          | 0.0527  | 1.0          | 0.35   | 1.5          | 0.0488   | 1.1          | 0.752       |
| 300 V 5.1  | -0.03                      | 446        | 215         | 0.50                                   | 19.0                         | 312 $\pm$ 3.0                                  | 309 $\pm$ 38                                    | -1                     | 20.19   | 1.0          | 0.0525  | 1.7          | 0.36   | 1.9          | 0.0495   | 1.0          | 0.504       |
| 300 V 6.1  | 0.00                       | 176        | 180         | 1.06                                   | 7.3                          | 302 $\pm$ 5.4                                  | 321 $\pm$ 93                                    | 6                      | 20.82   | 1.8          | 0.0528  | 4.1          | 0.35   | 4.5          | 0.0480   | 1.8          | 0.409       |
| 300 V 7.1  | 0.13                       | 1011       | 479         | 0.49                                   | 41.0                         | 297 $\pm$ 2.7                                  | 297 $\pm$ 33                                    | 0                      | 21.21   | 0.9          | 0.0523  | 1.5          | 0.34   | 1.7          | 0.0471   | 0.9          | 0.532       |
| 300 V 7.2  | 0.93                       | 3826       | 2020        | 0.55                                   | 160.4                        | 304 $\pm$ 2.5                                  | 308 $\pm$ 48                                    | 1                      | 20.69   | 0.9          | 0.0525  | 2.1          | 0.35   | 2.3          | 0.0483   | 0.9          | 0.374       |
| 300 V 8.1  | 0.01                       | 968        | 266         | 0.28                                   | 40.8                         | 309 $\pm$ 2.8                                  | 295 $\pm$ 27                                    | -5                     | 20.38   | 0.9          | 0.0522  | 1.2          | 0.35   | 1.5          | 0.0491   | 0.9          | 0.621       |
| 300 V 8.2  | 0.29                       | 1364       | 144         | 0.11                                   | 60.6                         | 324 $\pm$ 3.0                                  | 327 $\pm$ 36                                    | 1                      | 19.39   | 0.9          | 0.053   | 1.6          | 0.38   | 1.8          | 0.0516   | 0.9          | 0.510       |
| 300 V 9.1  | 0.18                       | 1698       | 515         | 0.31                                   | 71.0                         | 306 $\pm$ 2.6                                  | 288 $\pm$ 28                                    | -6                     | 20.59   | 0.9          | 0.0521  | 1.2          | 0.35   | 1.5          | 0.0486   | 0.9          | 0.577       |
| 300 V 10.1 | 0.88                       | 2069       | 619         | 0.31                                   | 99.4                         | 348 $\pm$ 3.0                                  | 351 $\pm$ 42                                    | 1                      | 18.04   | 0.9          | 0.0535  | 1.9          | 0.41   | 2.1          | 0.0554   | 0.9          | 0.429       |
| 300 V 11.1 | 0.37                       | 1385       | 304         | 0.23                                   | 59.7                         | 314 $\pm$ 3.1                                  | 300 $\pm$ 40                                    | -5                     | 20.01   | 1.0          | 0.0523  | 1.7          | 0.36   | 2.0          | 0.0500   | 1.0          | 0.505       |
| 300 V 11.2 | -                          | 591        | 475         | 0.83                                   | 24.2                         | 300 $\pm$ 2.8                                  | 312 $\pm$ 39                                    | 4                      | 20.96   | 1.0          | 0.0526  | 1.7          | 0.35   | 2.0          | 0.0477   | 1.0          | 0.487       |
| 300 V 12.1 | -                          | 1281       | 1065        | 0.86                                   | 56.4                         | 322 $\pm$ 2.8                                  | 315 $\pm$ 23                                    | -2                     | 19.50   | 0.9          | 0.0527  | 1.0          | 0.37   | 1.3          | 0.0513   | 0.9          | 0.667       |
| 300 V 13.1 | 0.07                       | 2619       | 1303        | 0.51                                   | 108.9                        | 304 $\pm$ 2.6                                  | 316 $\pm$ 22                                    | 4                      | 20.68   | 0.9          | 0.0527  | 1.0          | 0.35   | 1.3          | 0.0483   | 0.9          | 0.661       |
| 300 V 14.1 | 0.27                       | 1459       | 313         | 0.22                                   | 65.0                         | 325 $\pm$ 2.9                                  | 320 $\pm$ 39                                    | -1                     | 19.34   | 0.9          | 0.0528  | 1.7          | 0.38   | 1.9          | 0.0517   | 0.9          | 0.476       |
| 300 V 15.1 | 0.06                       | 2235       | 746         | 0.34                                   | 95.9                         | 314 $\pm$ 2.8                                  | 321 $\pm$ 30                                    | 2                      | 20.02   | 0.9          | 0.0528  | 1.3          | 0.36   | 1.6          | 0.0499   | 0.9          | 0.563       |
| 300 V 16.1 | 0.24                       | 4231       | 2324        | 0.57                                   | 200.4                        | 345 $\pm$ 2.9                                  | 354 $\pm$ 26                                    | 3                      | 18.18   | 0.9          | 0.0536  | 1.2          | 0.41   | 1.5          | 0.0550   | 0.9          | 0.599       |
| 300 V 17.1 | 0.28                       | 2920       | 1571        | 0.56                                   | 119.9                        | 300 $\pm$ 2.6                                  | 298 $\pm$ 38                                    | -1                     | 20.97   | 0.9          | 0.0523  | 1.7          | 0.34   | 1.9          | 0.0477   | 0.9          | 0.470       |

Errors are 1  $\sigma$ ;  $\text{Pb}_c$  and  $\text{Pb}^*$  indicate the common and radiogenic portions, respectively; error in standard calibration was 0.42% (average of 33);  
 (1) – common Pb corrected using measured  $^{204}\text{Pb}$