

|          | Age<br>ka | Li<br>ppm | Na<br>ppm | Al<br>ppm | $\delta^7\text{Li}$ | 2sd |   |
|----------|-----------|-----------|-----------|-----------|---------------------|-----|---|
| GI1      | 9.67      | 39.9      | 1730      | 37200     | -4.2                | 0.4 | * |
| GS2      | 15.55     | 45.8      | 1230      | 78100     | 0.4                 | 0.3 | * |
| GS2.2    | 16.55     | 49.6      | 952       | 46700     | 0.0                 | 0.1 | * |
| GI2      | 23.34     | 35.0      | 1720      | 43000     | -2.0                | 0.3 | * |
| GS3      | 24.85     | 39.3      | 1510      | 43000     | -0.8                | 0.2 | * |
| GS3.2    | 25.85     | 30.7      | 1330      | 35100     | -1.1                | 0.3 | * |
| GI3      | 27.68     | 26.2      | 1070      | 42800     | -2.3                | 0.4 | * |
| GS4      | 28.10     | 37.0      | 1120      | 42000     | -0.2                | 0.1 | * |
| GS4.2    | 28.30     | 50.5      | 410       | 45800     | -0.3                | 0.2 | * |
| GI4      | 28.58     | 50.5      | 1060      | 54700     | -2.4                | 0.2 | * |
| GS5      | 29.39     | 30.5      | 1040      | 50000     | -1.1                | 0.3 | * |
| GS5.2    | 30.39     | 65.0      | 1220      | 72600     | -1.0                | 0.3 | * |
| GI 5     | 31.97     | 64.4      | 2690      | 86800     | -0.8                | 0.2 |   |
| GS6      | 33.09     | 49.5      | 905       | 43000     | -1.5                | 0.3 | * |
| GS6.2    | 33.20     | 34.2      | 2040      | 48300     | -1.8                | 0.4 | * |
| GI6      | 33.55     | 33.2      | 1410      | 43300     | -3.0                | 0.2 | * |
| GS7      | 34.09     | 43.2      | 1200      | 66000     | -1.7                | 0.3 |   |
| GS7.2    | 34.59     | 34.0      | 1350      | 36100     | -2.1                | 0.2 |   |
| GI7      | 35.04     | 38.1      | 1140      | 31200     | -3.5                | 0.2 |   |
| GS8      | 35.92     | 51.2      | 2240      | 66300     | -1.2                | 0.2 |   |
| GS8.2    | 36.92     | 30.6      | 1170      | 31000     | -1.9                | 0.2 |   |
| GI 8     | 37.03     | 52.4      | 2370      | 61100     | -3.2                | 0.1 |   |
| GS9      | 38.67     | 21.2      | 951       | 52100     | 0.2                 | 0.3 |   |
| GS9.2    | 39.67     | 30.9      | 914       | 38500     | -0.2                | 0.2 |   |
| GI9      | 39.92     | 17.6      | 1860      | 60800     | -2.2                | 0.3 |   |
| GS 10    | 40.29     | 56.8      | 1780      | 70900     | -0.6                | 0.5 |   |
| GS10.2   | 41.29     | 37.5      | 1470      | 43100     | -0.7                | 0.3 |   |
| GI 10    | 41.48     | 46.1      | 3230      | 54300     | -2.2                | 0.3 |   |
| GS11     | 41.85     | 58.4      | 1380      | 48600     | -1.5                | 0.3 |   |
| GS 11.2  | 42.35     | 44.0      | 1970      | 63100     | -0.9                | 0.3 |   |
| GI11     | 42.57     | 36.1      | 1420      | 52700     | -1.1                | 0.2 |   |
| GS12     | 43.50     | 69.4      | 819       | 61300     | -0.5                | 0.2 |   |
| GS 12.2  | 44.50     | 39.7      | 2610      | 53200     | -2.4                | 0.3 |   |
| GI 12    | 45.83     | 45.2      | 2200      | 70800     | -2.1                | 0.1 |   |
| GS13     | 48.23     | 36.4      | 967       | 44500     | -1.5                | 0.1 |   |
| GS13.2   | 48.43     | 34.1      | 1610      | 41700     | -1.7                | 0.2 |   |
| GI 13    | 48.79     | 16.7      | 850       | 21700     | -4.0                | 0.2 |   |
| GS 14    | 49.40     | 30.8      | 2060      | 41500     | -3.1                | 0.2 |   |
| GS14.2   | 50.40     | 60.4      | 2570      | 51500     | -5.9                | 0.2 |   |
| GI 14    | 51.81     | 32.7      | 1740      | 33800     | -6.3                | 0.4 |   |
| GS 15    | 54.22     | 110       | 4150      | 100000    | -4.8                | 0.2 |   |
| GS 15.2  | 55.22     | 20.7      | 626       | 18300     | -4.2                | 0.2 |   |
| GI15     | 55.54     | 37.3      | 2060      | 43200     | -5.5                | 0.1 |   |
| GS16     | 55.91     | 14.7      | 1230      | 32600     | -3.2                | 0.1 |   |
| GS 16.2  | 56.61     | 18.8      | 1060      | 22500     | -4.2                | 0.1 |   |
| GI 16    | 57.54     | 47.1      | 2720      | 58900     | -5.1                | 0.2 |   |
| SM3 0.10 | 0.04      | 38.7      | 3410      | 42400     | -4.5                | 0.3 |   |
| SM3 0.65 | 0.27      | 22.6      | 1430      | 25900     | -5.6                | 0.3 |   |
| SM3 1.25 | 0.51      | 41.8      | 3710      | 52900     | -1.3                | 0.2 |   |
| SM3 2.46 | 1.19      | 4.28      | 375       | 3830      | -4.1                | 0.2 |   |
| SM3 3.58 | 2.80      | 29.1      | 3070      | 35500     | -3.0                | 0.6 |   |
| SM3 3.77 | 3.06      | 19.4      | 1880      | 21800     | -2.8                | 0.5 |   |
| SM3 4.15 | 4.39      | 5.58      | 606       | 6050      | -4.7                | 0.3 |   |
| SM3 4.46 | 5.50      | 2.15      | 150       | 2260      | -5.3                | 0.1 |   |
| SM3 5.2  | 7.95      | 4.07      | 198       | 4510      | -4.4                | 0.4 |   |
| SM3 5.50 | 9.02      | 8.85      | 565       | 10800     | -3.3                | 0.3 |   |
| SM3 5.66 | 9.70      | 7.61      | 1000      | 8710      | -7.0                | 0.5 |   |
| SM3 5.78 | 10.20     | 7.45      | 996       | 9410      | -8.6                | 0.4 |   |
| SM3 6.03 | 11.18     | 33.1      | 4760      | 46400     | -5.7                | 0.5 |   |
| SM3 6.18 | 12.40     | 17.4      | 2710      | 23200     | -5.8                | 0.5 |   |
| SM3 6.39 | 13.24     | 34.9      | 4820      | 45800     | -5.5                | 0.1 |   |
| SM3 6.60 | 13.85     | 30.3      | 3700      | 43700     | -3.8                | 0.1 |   |
| SM3 6.76 | 14.34     | 44.9      | 4550      | 59100     | -3.6                | 0.2 |   |
| SM3 7.18 | 15.01     | 40.1      | 4080      | 51000     | -2.7                | 0.2 |   |
| ELSA1    |           | 39.1      | 4250      | 25500     | 7.0                 | 0.2 |   |
| ELSA2    |           | 27.7      | 5110      | 26400     | 3.0                 | 0.4 |   |

\* denotes analysed at UCL. All others analysed at Mainz

Bulk sediment elemental concentrations and isotope ratios

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