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|------------------------------------|------------------------|--|------------------|-----------------------|---------------|--------------------------|-----------------|-------------------|-------------|-----------|---------------|---------|---------------|
| 20/09/2005 09:15 | | Brendan McGee(Hons), Sang(PhD), Sebastien Meffre | | | | Checked | | | | | | | |
| University of Tasmania | | MOCOMP(C) and MOCOMP(D) both with U but only As with MOCOMP(D) | | | | | | | | | | | |
| Results quantitative - MOCOMP file | | | | | | | | | | | | | |
| Sample name (1-20) | Seq. | Application | Meas. date/time | Y | U | Rb | Th | Pb | As | Bi | Zn | Cu | Ni |
| AWQUARTZ | 1 | MOCOMP(C) | 01/09/2005 12:40 | 0 | 0 | 0.1 | 0.2 | 0 | | 0.2 | 0.1 | 0.4 | 0.3 |
| AWQUARTZ(WITH U) | 2 | MOCOMP(C) | 01/09/2005 13:15 | 0 | -0.3 | -0.1 | -0.8 | 0 | | 0.6 | 0 | 0.4 | -0.1 |
| AWQUARTZ | 83 | MOCOMP(C) | 05/09/2005 10:34 | -0.2 | 0.2 | 0 | -0.5 | -0.9 | | -0.3 | 0.4 | 0.1 | -0.3 |
| mean | | | | <1 | <1.5 | <1 | <1.5 | <1.5 | | 0.2 (<2) | <1 | <1 | <1 |
| 1900RB1 | 3 | MOCOMP(C) | 01/09/2005 13:48 | 0.1 | -0.9 | 1909 | -0.2 | 0.7 | | -0.4 | 0.4 | 5.2 | 20.5 |
| 1900RB1 | 21 | MOCOMP(D) | 02/09/2005 00:24 | 1.9 | 1.2 | 1900 | 0.5 | 0.4 | <3 | 0.4 | 0.2 | 5.2 | 19.9 |
| 1900RB1 | 92 | MOCOMP(C) | 05/09/2005 15:29 | 2.4 | -0.5 | 1912 | -0.2 | 1.5 | | 0.6 | 0.2 | 5.1 | 21.1 |
| mean | | | | 1.5 | <1.5 | 1907 | <1.5 | <1.5 | | 0.2 (<2) | <1 | 5.2 | 20.5 |
| 2000Rb1 (spex RbC) | G.Ebsworth(3)XRF | | | 1 | 0.1 | 1907 | -0.9 | 1 | | -0.5 | 0 | 4.2 | 16 |
| | GARRY3MO | | | 2.8 | -0.1 | 1870 | 0.5 | 1 | 4 | 0.3 | -0.3 | 5.1 | 16.7 |
| | SOFIAMO | | | 2.3 | | 1874 | | 0.1 | | | -0.2 | 4.8 | 15.8 |
| | mean | | | 2.0 | 0.0 | 1884 | -0.2 | 0.7 | 4.0 | -0.1 | -0.2 | 4.7 | 16.2 |
| BHVO-1 | 9 | MOCOMP(D) | 01/09/2005 17:21 | 25.5 | 1.3 | 9.5 | 1.5 | 1.5 | <3 | 1.1 | 104.8 | 146.7 | 118.4 |
| BHVO-1 | 81 | MOCOMP(C) | 03/09/2005 08:53 | 25.3 | 0.7 | 9.4 | 1.3 | 2.8 | | 1.3 | 103.7 | 145.2 | 118.5 |
| mean | | | | 25.4 | <1.5 | 9.5 | <1.5 | 2.2 | | 1.2 (<2) | 104.3 | 146.0 | 118.5 |
| BHVO1 | expected | | | 24.6(new), 27.6(Gov.) | | 0.42+/-0.06 | 11+/-2 | 1.26, 1.08+/-0.15 | 2.6+/-0.9 | 0.4? | 0.018+/-0.004 | 105+/-5 | 136+/-6 |
| BHVO1 | 25.3 Dulski | | | | 0.42 | 9.7 | 1.22 | 2.2 | | | | | |
| BHVO1 | ChazeyIII et al.(2003) | | | 24.4±1.3 | | 9.3±0.2 | 1.22±0.02 | 2.2±0.2 | | | | | |
| BIR-1 | 52 | MOCOMP(C) | 02/09/2005 17:02 | 14.7 | -1.1 | 0 | 0.5 | 3.4 | | 1.2 | 67.2 | 130 | 160.1 |
| BIR-1 | 82 | MOCOMP(C) | 05/09/2005 10:01 | 14.9 | -0.3 | 0.4 | 0.5 | 3.4 | | -0.3 | 65.9 | 129.5 | 158.4 |
| mean | | | | 14.8 | <1.5 | <1 | <1.5 | 3.4 | | 0.5 (<2) | 66.6 | 129.8 | 159.3 |
| BIR1 (Gov.1994) | expected | | | 16+/-2 | 0.01?(0.025?) | 0.25 (1+/-0.9) | 0.03(.89+/-0.7) | 3.2+/-0.8 | 0.44+/-0.48 | 0.02?? | 71+/-9 | 126+/-5 | 166+/-16 |
| BIR1 | expected | | | 14.2-14.8 | 0.01 | 0.2 | 0.03 | 3.1 | 0.4? | <0.02 | 71,66 | 126 | 166, 159 |
| BIR-1 Dulski | expected | | | 14.9 | 0.009 | 0.36 | 0.028 | 3.0 | | | | | |
| DNC-1 | 130 | MOCOMP(C) | 06/09/2005 12:20 | 16.6 | -0.2 | 3.8 | 0.6 | 6.1 | | -0.9 | 62.8 | 92.9 | 241 |
| DNC-1 | 140 | MOCOMP(C) | 06/09/2005 17:48 | 16.7 | 0.2 | 3.8 | -0.6 | 5.8 | | -0.7 | 64.1 | 92 | 241 |
| mean | | | | 16.7 | <1.5 | 3.8 | <1.5 | 6.0 | <3 | -0.8 (<2) | 63.5 | 92.5 | 241.0 |
| DNC-1(Gov.1994) | expected | | | 18 | ? | [4.5?, 3.74Tas, 3.76Egg] | | 6.3? | 0.2? | 0.02? | 66 | 96 | 247 |
| DNC-1(Dulski2001) | expected | | | 16.4 | 0.06 | 3.7 | 0.24 | 7.5 | | | | | |
| | | | | | | | | | | | | | |
| DTS1 | 142 | MOCOMP(C) | 06/09/2005 18:53 | <1 | <1.5 | <1 | <1.5 | 8.3 | | -0.1 (<2) | 46.2 | 8.4 | 2352.2 |
| DTS-1(Gov.1994) | expected | | | 0.04 | 0.0036 | 0.0058 | 0.01 | 12?(7.2-7.9 XRF) | 0.034? | 0.006 | 46 | ?? | 2360, 2410MCS |
| DTS-1(Dulski2001) | | | | 0.036 | 0.0033 | 0.0058 | 0.0094 | 7.1 | | | | | |
| | | | | | | | | | | | | | |
| DTS2(486) | 143 | MOCOMP(C) | 06/09/2005 19:26 | <1 | <1.5 | <1 | <1.5 | 4.3 | | 0.2 (<2) | 47.8 | 8.6 | 3973.3 |
| DTS-2(USGS) | expected | | Wilson(2001)USGS | | | 2? | | 4? | | | 45±5 | 3? | 3780±220 |
| DTS-2(TAS ICP-MS) | | | TAS(ICP-MS)2000 | 0.038 | 0.0021 | 0.031 | 0.0107 | 3.71 | | | 3.0 | | 3695±30 |
| | | | | | | | | | | | | | |
| GSD-11 | 53 | MOCOMP(C) | 02/09/2005 17:35 | 42.1 | 8.7 | 408.6 | Bi interf. | 636 | | 48.9 | 365 | 74.8 | 16.6 |
| GSD-11 | 139 | MOCOMP(C) | 06/09/2005 17:15 | 41.8 | 8.7 | 405.9 | Bi interf. | 631 | | 48.1 | 363 | 75.2 | 16.4 |
| mean | | | | 42.0 | 8.7 | 407 | Bi interf. | 633 | | 48.5 | 364 | 75.0 | 16.5 |
| GSD-11 | expected | | | 42.7 | 9.1 | 408 | 23.3 | 636 | 188 | 50 | 373 | 78.6 | 14.4 |
| GSR-1 | 6 | MOCOMP(D) | 01/09/2005 15:35 | 61.3 | 18.8 | 466.3 | 52.9 | 31.8 | <3 | 0.1 | 22.8 | 4 | 4.5 |
| GSR-1 | 31 | MOCOMP(C) | 02/09/2005 07:37 | 61 | 18.3 | 464.4 | 53.1 | 32.5 | | 0.2 | 22.4 | 4.2 | 4.2 |
| GSR-1 | 129 | MOCOMP(C) | 06/09/2005 11:47 | 62.7 | 18.7 | 467.5 | 54 | 32.1 | | 0 | 22.7 | 3.5 | 4.6 |
| mean | | | | 61.7 | 18.6 | 466 | 53.3 | 32.1 | | 0.1 | 22.6 | 3.9 | 4.4 |
| GSR-1 | expected | | | 62 | 18.8±1.0 | 466? | 54 | 31? | 2.1 | 0.53 | 28 | 3.2 | 2.3 |
| GSS-5 | 7 | MOCOMP(D) | 01/09/2005 16:10 | 22.1 | 7.6 | 119.1 | Bi interf. | 568 | 414 | 36.4 | 492.5 | 136.4 | 41.9 |
| GSS-5 | 112 | MOCOMP(C) | 06/09/2005 02:25 | 21.7 | 6.9 | 120 | Bi interf. | 567 | | 39.9 | 489.9 | 136.4 | 43.8 |
| mean | | | | 21.9 | 7.3 | 119.6 | Bi interf. | 568 | | 38.2 | 491.2 | 136.4 | 42.9 |
| GSS-5 | expected | | | 21 | 6.5 | 117 | 22.7 | 552+14 | 412 | 41 | 494 | 144 | 40 |
| GSS-6 | 8 | MOCOMP(D) | 01/09/2005 16:45 | 18.7 | 7 | 235.8 | Bi interf. | 314.6 | 224 | 50.4 | 93.4 | 373.9 | 54.8 |
| GSS-6 | | | | 18.8 | 6.7 | 237 | 23 | 314.0 | 220 | 49 | 96.6 | 390 | 53 |

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|--|------------------|---------------|--------------------|-------------------------|---------------|----------------|--------------|----------------|-------------------|------------|--------------------|--------------|-------------|---------------|
| PCC-1 | | 141 | MOCOMP(C | 06/09/2005 18:20 | <1 | <1.5 | <1 | <1.5 | 9.6 | | 0.7 (<2) | 43.7 | 10.9 | 2355 |
| PCC-1(Gov.1994) | expected | | | | ? | 0.0045 | 0.066 | 0.013 | 10? (8.3 ICP-MS) | 0? | 0.0046 | 42 | 10 | 2380, 2343MCS |
| PCC-1(Dulski2001) | | | | | 0.077 | 0.005 | 0.062 | 0.011 | 7.1 | | | | | |
| TASBAS | | 5 | MOCOMP(D | 01/09/2005 15:00 | 19.9 | 0.7 | 16.1 | 4.8 | 5.5 | <3 | 1.2 | 116.1 | 63.6 | 147.9 |
| TASBAS | | 20 | MOCOMP(D | 01/09/2005 23:48 | 19.6 | 1.9 | 16.8 | 4.6 | 3.8 | <3 | -0.4 | 116.9 | 64.6 | 148.1 |
| TASBAS | | 36 | MOCOMP(C | 02/09/2005 11:23 | 19.6 | 2.7 | 16.3 | 3.8 | 4.0 | | 0.4 | 115.9 | 63.5 | 149 |
| TASBAS | | 64 | MOCOMP(C | 02/09/2005 23:36 | 18.9 | 1.7 | 16.7 | 5.6 | 4.1 | | -0.6 | 117.7 | 64.8 | 149.2 |
| TASBAS | | 123 | MOCOMP(C | 06/09/2005 08:25 | 19.4 | 2.7 | 16.2 | 3.8 | 3.7 | | 0.5 | 117.4 | 65.4 | 149.1 |
| mean | | | | | 19.5 | 1.9 | 16.4 | 4.5 | 4.2 | | 0.2 (<2) | 116.8 | 64.4 | 148.7 |
| TASBAS | expected | | | | 19.5 | 1.8 | 16.4 | 4.8 | 4.6 | 1.17 | <0.1 | 116? | 64,63 | 150 |
| TASGRAN1(10) | | 4 | MOCOMP(C | 01/09/2005 14:20 | 32.1 | 2.7 | 250.7 | 19.7 | 25.1 | | 1.2 | 36.8 | 3.3 | 4.5 |
| TASGRAN1(10) | | 27 | MOCOMP(D | 02/09/2005 03:55 | 32.2 | 3.6 | 250.1 | 19.5 | 25.9 | | 2 | 36.4 | 3.4 | 4.3 |
| TASGRAN1(10) | | 72 | MOCOMP(C | 03/09/2005 03:58 | 32.4 | 3.4 | 250 | 18.9 | 26.4 | | 0 | 37 | 3.2 | 4.3 |
| TASGRAN1(10) | | 102 | MOCOMP(C | 05/09/2005 20:57 | 32.7 | 3.9 | 252.3 | 18.6 | 27.3 | | 1.4 | 37.1 | 2.7 | 3.9 |
| TASGRAN1(10) | | 138 | MOCOMP(C | 06/09/2005 16:42 | 32.2 | 3.4 | 250.9 | 19.3 | 27.2 | | -0.1 | 36.5 | 3.5 | 3.7 |
| mean | | | | | 32.3 | 3.4 | 250.8 | 19.2 | 26.4 | | 0.9 (<2) | 36.8 | 3.2 | 4.1 |
| TASGRAN1(10) | expected | | | expected | 32.5-33 | 3.3 | 251 | 19 | 26.5 | 0.38 | 0.1 | 36 | 2.1,4.4 | 3.5,2.9 |
| GOLD1 Program | | | | | | | | | | | | | | |
| | | | | checked | | | | | | | | | | |
| Standards for Sang, Brendan McGee and Sebastian Meffri | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Sample name | Meas. date/time | Nb | Zr | Sr | Cr | Ba | Sc | V | La | Ce | Nd | | | |
| IGCOMSIO2(3) | 20/09/2005 01:27 | 0.5 | 0.1 | -0.2 | -0.1 | -5.1 | 0.2 | 0.4 | -0.2 | 2.4 | 0.5 | | | |
| AWQUARTZ | 22/09/2005 17:21 | 0.4 | 0.2 | 0.1 | 1.7 | 2.5 | -1 | 0 | -1.6 | 1.8 | 1.5 | | | |
| | expected | <1 | <1 | <1 | <2 | <4 | <1.5 | <1.5 | <2 | <4 | <2 | | | |
| 2000SR2 | 20/09/2005 02:03 | 1.1 | 0.1 | 1984 | 398.4 | 1.5 | 0 | 2.6 | <2 | -1.3 | -0.7 | | | |
| 2000SR2 | 22/09/2005 03:47 | 1.3 | 1.7 | 1986 | 398.1 | 1 | -0.6 | 3.3 | <2 | 0.1 | 1.2 | | | |
| 2000Sr2 (mean) | | 1.2 | 0.9 | 1985 | 398.3 | 1.3 | -0.3 | 3.0 | <2 | <4 | <2 | | | |
| 2000Sr2 | expected | 0, 0.3 | 0, 0.7 | 2000, 1960? | 421, 417(AU1) | 0, 2.5 | 0, -0.1 | 4.9 | 0 | 0.0 | 0.0 | | | |
| AGV-1 | 21/09/2005 07:38 | 13.5 | 236.9 | 654 | 9.5 | 1199 | 14.3 | 122 | 36.4 | 71.2 | 32.3 | | | |
| AGV-1 | 23/09/2005 00:34 | 14.1 | 234.7 | 656 | 9.2 | 1199 | 13.9 | 119 | 38.1 | 73.4 | 33 | | | |
| AGV-1 | mean | 13.8 | 235.8 | 655.3 | 9.4 | 1199 | 14.1 | 121 | 37.3 | 72.3 | 32.7 | | | |
| AGV1 | expected | 13.6,14.4TAS | 232 | 662 | 10.1 | 1227, 1196 | 12.2,13.9MCS | 121, 118 | 38 | 72 | 33 | | | |
| BHVO-1 | 16/09/2005 01:56 | 18 | 170.7 | 387 | 290.3 | 132.6 | 31.5 | 323 | 17 | 35.4 | 24 | | | |
| BHVO-1 | 21/09/2005 20:33 | 17.4 | 169.8 | 388 | 290.2 | 130.9 | 32.6 | 324 | 20.4 | 35.9 | 23.1 | | | |
| BHVO-1 | 23/09/2005 06:06 | 17.8 | 170.8 | 389 | 289.9 | 129.3 | 34 | 323 | 17.4 | 39.5 | 24.7 | | | |
| BHVO-1 | mean | 17.7 | 170.4 | 388.2 | 290.1 | 130.9 | 32.7 | 323 | 18.3 | 36.9 | 23.9 | | | |
| BHVO1 | expected | 16,(Egg.19.5) | 172+10(Chazey2003) | | | | | | | | | | | |
| BHVO1 | expected | 19, 17.2 | 178, 170MCS | 390 | 289 | 133, 130 | 31.8 | 317 | 15.8 | 39 | 25.3 | | | |
| BHVO1 | expected | 19, 17.2 | 179, 167 | 403, 388 | 289 | 133, 130 | 31.8,32.7 | 317, 312 | 15.8, 17 | 39 | 25.3, 23.3 | | | |
| BIR-1 | 16/09/2005 06:45 | 0.8 | 14.1 | 110 | 389.6 | 3.7 | 39.5 | 316 | 1.7 | 3 | 4.4 | | | |
| BIR-1 | 21/09/2005 01:01 | 0.1 | 14.2 | 109 | 387.5 | 8.8 | 37 | 315 | 0 | 3.3 | 3.7 | | | |
| BIR-1 | mean | 0.5 | 14.2 | 109.7 | 388.6 | 6.3 | 38.3 | 315 | 0.9 | 3.2 | 4.1 | | | |
| BIR-1 | expected | 0.6 | 14.5 | 110, 108 | 382, 389 | 6.4 | 44, 38 | 313 | 0.92 | 2.2 | 1.9 | | | |
| BCR-1 | 16/09/2005 11:03 | 12.6 | 189.7 | 331 | 12.2 | 721 | 30.8 | 406.3 | 29.3 | 56.7 | 32.2 | | | |
| BCR-1 | 20/09/2005 02:39 | 11.4 | 188.3 | 332 | 11.2 | 724 | 29.7 | 408.5 | 28.7 | 54.8 | 29.8 | | | |
| BCR-1 | 22/09/2005 03:11 | 11.9 | 189.9 | 330 | 11.7 | 724 | 30.7 | 406.4 | 29 | 57.2 | 32.5 | | | |
| BCR-1 | mean | 12.0 | 189.3 | 331.1 | 11.7 | 723 | 30.4 | 407.1 | 29.0 | 56.2 | 31.5 | | | |
| BCR1 | expected | 14+/-3,13.1 | 190+/-6 | 330+/-5 | 16+/-4 | 681+/-15 | 32.6+/-2.2 | 407+/-34 | 24.9+/-0.8 | 53.7+/-0.7 | 28.8+/-0.5 | | | |
| TASBAS | 20/09/2005 14:09 | 54.5 | 253.9 | 996 | 176 | 196 | 14.3 | 158 | 42.3 | 84 | 42 | | | |
| TASBAS | 22/09/2005 16:26 | 54.4 | 255.7 | 996 | 175.2 | 194 | 14.1 | 157.5 | 43.5 | 86.4 | 39.8 | | | |
| TASBAS | mean | 54.5 | 254.8 | 996.1 | 175.6 | 195 | 14.2 | 157.8 | 42.9 | 85.2 | 40.9 | | | |
| TASBAS | expected | 54.5, 62 ANU | 259 | 1008 | 181 | 186.5 ANU | 14-14.7 | 156 | 44.5 | 85.45 | 40.2 | | | |
| TASGRAN1(10) | 20/09/2005 19:35 | 14.3 | 163.5 | 146 | 9.3 | 443 | 7.2 | 25 | 39.3 | 85.7 | 37.2 | | | |
| TASGRAN1(10) | 22/09/2005 10:24 | 13.7 | 163.3 | 146 | 8.9 | 449 | 6.6 | 25 | 39.3 | 80.2 | 36.6 | | | |
| TASGRAN1(10) | mean | 14.0 | 163.4 | 146.4 | 9.1 | 446 | 6.9 | 25.0 | 39.3 | 83.0 | 36.9 | | | |
| TASGRAN | expected | 13.1-13.5 | 160 | 147 | 9 | 450-460 | 6.85 | 24 | 39.7 | 84.6 | 35.9 | | | |

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|------------|------------------|---------------|-----------------|----------------|------------------|------------------|------------------|---------------|---------------|-----------------|---------------|--|--|
| G-2 | 21/09/2005 10:58 | 11.9 | 323.8 | 475 | 8.4 | 1820 | 3.4 | 34.5 | 91.4 | 170.2 | 55.2 | | |
| G-2 | 22/09/2005 08:36 | 12.1 | 323.9 | 474 | 8.5 | 1833 | 3.6 | 34.3 | 90 | 173.6 | 57.6 | | |
| G-2 | 23/09/2005 02:23 | 11.7 | 324.7 | 475 | 8.4 | 1828 | 3.8 | 34.2 | 88.4 | 168.9 | 59.4 | | |
| G-2 | mean | 11.9 | 324.1 | 474.6 | 8.4 | 1827 | 3.6 | 34.3 | 89.9 | 170.9 | 57.4 | | |
| G2 | expected | 12+/-3 | 309+/-35 | 478+/-2 | 8.7+/-2.2 | 1882+/-23 | 3.5+/-0.4 | 36+/-4 | 89+/-8 | 160+/-10 | 55+/-6 | | |