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Appendix-A

(Section-A)

| Oriented surface samples | | | | |
|---------------------------------|---------------------|----------------|-----------------|--|
| S.No. | JCU Ref. No. | Easting | Northing | Thin sections plus polished thin sections |
| AA01 | 74699 | 259412.18 | 7923320.7 | 8 |
| AA05 | 74700 | 256763.84 | 7921200 | 8 |
| AA06 | 74701 | 257147.84 | 7921560 | 12 |
| AA07 | 74702 | 257139.84 | 7921555 | 12 |
| AA08 | 74703 | 258764.82 | 7922650 | 9 |
| AA10 | 74704 | 259587.18 | 7924181.8 | 8 |
| AA12 | 74705 | 259145.18 | 7923820.8 | 15 |
| AA14 | 74706 | 257732.18 | 7918206.7 | 8 |
| AA15 | 74707 | 257763.17 | 7918109.7 | 8 |
| AA17 | 74708 | 258625.18 | 7922545.7 | 9 |
| AA19 | 74709 | 258578.18 | 7922531.7 | 12 |
| AA20 | 74710 | 258565.18 | 7922512.7 | 11 |
| AA23 | 74711 | 257669.17 | 7917736.7 | 9 |
| AA26 | 74712 | 259397.18 | 7923188.7 | 8 |
| AA27 | 74713 | 257590.84 | 7917872 | 9 |
| AA28 | 74714 | 257540.84 | 7917739 | 8 |
| AA29 | 74715 | 257553.83 | 7917840 | 9 |
| AA31 | 74716 | 257174.84 | 7917309 | 8 |
| AA32 | 74717 | 258470.83 | 7918571 | 8 |
| AA34 | 74718 | 258051.82 | 7918146 | 8 |
| AA36 | 74719 | 257622.82 | 7916575 | 8 |
| AA37 | 74720 | 257531.82 | 7916656 | 10 |
| AA39 | 74721 | 259015.82 | 7923231 | 10 |
| AA40 | 74722 | 259421.82 | 7923490 | 10 |
| AA41 | 74723 | 259371.82 | 7923457 | 7 |
| AA42 | 74724 | 260367.82 | 7924688 | 8 |
| AA45 | 74725 | 260401.81 | 7925272 | 8 |
| AA46 | 74726 | 260310.81 | 7925290 | 8 |
| AA47 | 74727 | 260334.82 | 7925587 | 8 |
| AA49 | 74728 | 260408.81 | 7923734 | 9 |
| AA51 | 74729 | 258262.83 | 7922084 | 8 |
| AA52 | 74730 | 258054.83 | 7922003 | 18 |
| AB15 | 74731 | 257763.17 | 7918109.7 | 8 |
| AB45 | 74732 | 260401.81 | 7925272 | 8 |
| Oriented core samples | | | | |
| AH046 | 74733 | 258937.82 | 7922952.5 | 9 |
| AH048 | 74734 | 258930.05 | 7922853.8 | 9 |
| AH049 | 74735 | 258939.86 | 7922858.2 | 7 |
| AH053 | 74736 | 258885.83 | 7922847.8 | 10 |
| AH061 | 74737 | 258874.69 | 7922814.8 | 8 |
| AH071 | 74738 | 258868.2 | 7922767.7 | 18 |
| AH072 | 74739 | 258844.74 | 7922732.8 | 9 |
| AH074 | 74740 | 258957.52 | 7922925.4 | 8 |
| AH075 | 74741 | 258916.06 | 7922881.9 | 8 |
| AH076 | 74742 | 258863.92 | 7922874.5 | 9 |
| AH077 | 74743 | 258826.28 | 7922744 | 10 |
| AH081 | 74744 | 258826.95 | 7922677 | 8 |
| AH090 | 74745 | 258802.02 | 7922641.4 | 8 |
| AH091 | 74746 | 258573.63 | 7922450.2 | 8 |

| | | | | |
|--------------|-------|-----------|------------|----|
| AH093 | 74747 | 258813.24 | 7922638.6 | 8 |
| AH098 | 74748 | 258716.27 | 7922722.5 | 8 |
| AH102 | 74749 | 258836.35 | 7922852.8 | 8 |
| AH104 | 74750 | 258775.12 | 7922742.6 | 9 |
| AH105 | 74751 | 259009.79 | 7923104.5 | 10 |
| AH107 | 74752 | 258901.58 | 7922877.5 | 10 |
| AH108 | 74753 | 258959.82 | 7922961.6 | 9 |
| AH110 | 74754 | 258931.12 | 7922921.1 | 8 |
| AH112 | 74755 | 258934.61 | 7922885.3 | 8 |
| AH113 | 74756 | 258901.39 | 7922885.6 | 11 |
| AH115 | 74757 | 258984.54 | 7923003.3 | 9 |
| AH116 | 74758 | 258979.8 | 7923006 | 8 |
| AH119 | 74759 | 258941.42 | 7923040 | 15 |
| AH120 | 74760 | 259000.65 | 7923070.3 | 11 |
| AH121 | 74761 | 258933.42 | 7922986.9 | 6 |
| AH122 | 74762 | 258992.68 | 7923028.4 | 10 |
| AH125 | 74763 | 259043.87 | 7923066.5 | 10 |
| AH132 | 74764 | 258760.18 | 7922463.7 | 10 |
| AH133B | 74765 | 258729.9 | 7922504.5 | 8 |
| AH134 | 74766 | 256194.49 | 7920350.6 | 9 |
| AH136 | 74767 | 256317.98 | 7920637.7 | 8 |
| AH137 | 74768 | 256401.96 | 7920676.7 | 9 |
| AH139 | 74769 | 258716.79 | 7922472.5 | 8 |
| AH140 | 74770 | 258720.3 | 7922480.8 | 10 |
| AH142 | 74771 | 258726.69 | 7922388.2 | 9 |
| AH143 | 74772 | 258724.44 | 7922425.5 | 11 |
| AH144 | 74773 | 258772.55 | 7922489.2 | 8 |
| AH145 | 74774 | 258794.47 | 7922415.9 | 10 |
| AH146 | 74775 | 258800.71 | 7922407.7 | 17 |
| AH147 | 74776 | 258751.21 | 7922394.5 | 9 |
| AH148 | 74777 | 258748.92 | 7922361.9 | 12 |
| Total | | | 707 | |

Appendix-A

Appendix-B

(Section-B)

| AA 7 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-------|------|-------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|--------|----------|-----|-------|
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 31.55 | 0.14 | 14.14 | 0.49 | 5.45 | 1.70 | 28.43 | 0.65 | 0.32 | 3.01 | 0.02 | 11.03 | 1.78 | 1.52 | 0.53 | 100.75 | St M1 1 | 459 | 40 |
| 2 | 31.46 | 0.13 | 14.63 | 0.43 | 5.07 | 1.64 | 28.82 | 0.65 | 0.29 | 3.14 | 0.01 | 11.05 | 1.78 | 1.50 | 0.62 | 101.22 | St M1 2 | 463 | 43 |
| 3 | 31.31 | 0.12 | 14.34 | 0.43 | 5.03 | 1.70 | 28.81 | 0.64 | 0.31 | 3.13 | 0.02 | 10.90 | 1.83 | 1.63 | 0.70 | 100.91 | St M2 1 | 441 | 42 |
| 4 | 30.70 | 0.11 | 14.44 | 0.43 | 4.63 | 1.63 | 28.79 | 0.60 | 0.49 | 3.06 | 0.02 | 11.15 | 1.85 | 1.63 | 0.63 | 100.15 | St M2 2 | 423 | 44 |
| 5 | 30.61 | 0.13 | 14.35 | 0.41 | 4.69 | 1.67 | 28.84 | 0.60 | 0.28 | 2.99 | 0.01 | 10.93 | 1.84 | 1.66 | 0.64 | 99.65 | St M2 3 | 491 | 46 |
| 6 | 31.40 | 0.11 | 14.41 | 0.41 | 4.08 | 1.75 | 29.24 | 0.56 | 0.25 | 3.08 | 0.01 | 11.34 | 1.90 | 1.65 | 0.64 | 100.83 | St M2 4 | 471 | 49 |
| 7 | 31.41 | 0.12 | 15.13 | 0.44 | 4.44 | 1.55 | 29.68 | 0.60 | 0.25 | 3.14 | 0.01 | 10.96 | 1.73 | 1.44 | 0.57 | 101.47 | St M3 1 | 463 | 45 |
| 8 | 31.19 | 0.14 | 14.26 | 0.45 | 5.99 | 1.64 | 28.48 | 1.14 | 0.39 | 3.05 | 0.01 | 11.24 | 1.72 | 1.55 | 0.58 | 101.83 | St M3 2 | 432 | 37 |
| 9 | 31.34 | 0.10 | 14.72 | 0.41 | 3.92 | 1.65 | 29.28 | 0.84 | 0.22 | 3.16 | 0.02 | 11.42 | 1.84 | 1.57 | 0.70 | 101.20 | St M4 2 | 464 | 51 |
| 10 | 31.93 | 0.13 | 14.15 | 0.43 | 4.76 | 1.74 | 28.77 | 0.96 | 0.34 | 3.13 | 0.00 | 11.30 | 1.86 | 1.54 | 0.62 | 101.67 | St M4 3 | 479 | 45 |
| 11 | 31.44 | 0.13 | 14.33 | 0.51 | 5.05 | 1.85 | 28.67 | 1.06 | 0.29 | 3.12 | 0.01 | 11.14 | 1.86 | 1.66 | 0.77 | 101.89 | St M5 1 | 464 | 41 |
| 12 | 30.94 | 0.17 | 14.06 | 0.49 | 7.01 | 1.64 | 27.82 | 1.23 | 0.45 | 2.94 | 0.02 | 10.93 | 1.80 | 1.62 | 0.60 | 101.73 | St M5 2 | 463 | 33 |
| 13 | 30.88 | 0.14 | 14.16 | 0.51 | 5.68 | 1.77 | 28.32 | 1.16 | 0.39 | 3.03 | 0.01 | 11.35 | 1.89 | 1.79 | 0.67 | 101.74 | St M5 3 | 456 | 39 |
| 14 | 30.99 | 0.13 | 15.16 | 0.56 | 4.60 | 1.46 | 28.70 | 0.94 | 0.26 | 3.05 | 0.02 | 11.43 | 1.94 | 1.77 | 0.64 | 101.65 | St M5 4 | 459 | 43 |
| 15 | 31.62 | 0.08 | 15.10 | 0.37 | 3.44 | 1.57 | 29.77 | 0.72 | 0.19 | 3.16 | 0.02 | 11.70 | 1.86 | 1.63 | 0.65 | 101.89 | St M6 1 | 430 | 56 |
| 16 | 30.96 | 0.12 | 14.29 | 0.52 | 4.63 | 1.78 | 28.84 | 0.97 | 0.29 | 3.04 | 0.00 | 11.11 | 1.82 | 1.57 | 0.61 | 100.55 | St M6 2 | 445 | 43 |
| 17 | 31.62 | 0.11 | 14.62 | 0.46 | 4.31 | 1.74 | 28.79 | 0.92 | 0.35 | 2.97 | 0.01 | 11.00 | 1.84 | 1.59 | 0.62 | 100.95 | St M7 1 | 456 | 46 |
| 18 | 30.71 | 0.10 | 15.11 | 0.38 | 3.69 | 1.51 | 29.57 | 0.79 | 0.24 | 3.12 | 0.01 | 11.36 | 1.80 | 1.49 | 0.57 | 100.44 | St M7 2 | 467 | 54 |
| 19 | 31.43 | 0.11 | 14.62 | 0.55 | 4.43 | 1.96 | 28.64 | 0.97 | 0.24 | 2.99 | 0.02 | 11.42 | 1.94 | 1.75 | 0.72 | 101.79 | St M8 1 | 435 | 43 |
| 20 | 31.44 | 0.13 | 14.47 | 0.60 | 4.80 | 1.95 | 28.29 | 1.07 | 0.26 | 2.99 | 0.01 | 11.12 | 1.91 | 1.79 | 0.68 | 101.51 | St M8 2 | 461 | 41 |
| 21 | 31.50 | 0.09 | 15.52 | 0.41 | 3.02 | 1.60 | 29.94 | 0.71 | 0.20 | 3.11 | 0.01 | 11.25 | 1.82 | 1.63 | 0.59 | 101.40 | St M9 1 | 497 | 65 |
| 22 | 31.85 | 0.09 | 15.60 | 0.40 | 3.19 | 1.66 | 29.96 | 0.75 | 0.21 | 3.14 | 0.01 | 11.31 | 1.88 | 1.69 | 0.64 | 102.37 | St M9 2 | 453 | 55 |
| 23 | 31.98 | 0.12 | 14.67 | 0.54 | 4.24 | 1.88 | 28.55 | 0.91 | 0.28 | 2.98 | 0.01 | 11.29 | 1.93 | 1.88 | 0.68 | 101.93 | St M9 3 | 475 | 55 |
| 24 | 31.43 | 0.17 | 14.58 | 0.57 | 6.81 | 1.27 | 27.13 | 1.31 | 0.52 | 2.90 | 0.00 | 10.86 | 1.92 | 1.72 | 0.58 | 101.76 | St M9 4 | 465 | 45 |
| 25 | 31.28 | 0.12 | 15.01 | 0.50 | 4.34 | 1.70 | 28.98 | 0.94 | 0.25 | 3.01 | 0.01 | 11.01 | 1.84 | 1.55 | 0.60 | 101.14 | St M10 1 | 468 | 46 |
| 26 | 31.52 | 0.13 | 14.22 | 0.54 | 4.69 | 1.75 | 28.27 | 1.02 | 0.50 | 3.02 | 0.01 | 10.82 | 1.74 | 1.47 | 0.62 | 100.32 | St M10 2 | 473 | 42 |
| 27 | 30.92 | 0.16 | 13.92 | 0.54 | 6.82 | 1.68 | 27.62 | 1.27 | 0.49 | 2.94 | 0.02 | 10.56 | 1.79 | 1.52 | 0.61 | 100.86 | St M11 1 | 448 | 34 |
| 28 | 31.45 | 0.13 | 14.62 | 0.52 | 5.07 | 1.74 | 28.61 | 1.04 | 0.30 | 3.02 | 0.01 | 10.82 | 1.78 | 1.65 | 0.69 | 101.44 | St M11 2 | 435 | 41 |
| 29 | 30.88 | 0.16 | 13.95 | 0.66 | 6.17 | 1.90 | 27.67 | 1.28 | 0.33 | 2.91 | 0.01 | 10.83 | 1.82 | 1.62 | 0.67 | 100.86 | St M11 3 | 448 | 34 |

| | | | | | | | | | | | | | | | | | | | |
|----|-------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|--------|----------|-----|-----|
| 30 | 31.06 | 0.17 | 14.02 | 0.70 | 6.43 | 1.86 | 27.52 | 1.32 | 0.42 | 2.97 | 0.00 | 10.57 | 1.76 | 1.57 | 0.60 | 100.97 | St M11 4 | 458 | 33 |
| 31 | 30.85 | 0.13 | 15.03 | 0.49 | 5.22 | 1.68 | 28.89 | 1.03 | 0.30 | 3.13 | 0.01 | 11.11 | 1.75 | 1.58 | 0.57 | 101.76 | St M12 1 | 434 | 39 |
| 32 | 31.54 | 0.10 | 14.98 | 0.46 | 3.88 | 1.72 | 29.11 | 0.86 | 0.41 | 3.13 | 0.02 | 11.33 | 1.76 | 1.49 | 0.66 | 101.45 | St M12 2 | 459 | 49 |
| 33 | 30.91 | 0.09 | 15.47 | 0.37 | 3.74 | 1.48 | 29.64 | 0.79 | 0.24 | 3.23 | 0.01 | 11.34 | 1.72 | 1.49 | 0.58 | 101.10 | St M12 3 | 438 | 52 |
| 34 | 28.16 | 0.09 | 13.79 | 0.40 | 3.89 | 1.55 | 26.62 | 0.84 | 9.55 | 2.89 | 0.01 | 10.40 | 1.71 | 1.60 | 0.58 | 102.09 | St M12 4 | 415 | 48 |
| 35 | 30.74 | 0.09 | 14.94 | 0.39 | 3.82 | 1.63 | 29.15 | 0.82 | 0.33 | 3.29 | 0.02 | 11.50 | 1.81 | 1.52 | 0.69 | 100.73 | St M12 5 | 435 | 51 |
| 36 | 30.95 | 0.10 | 14.48 | 0.42 | 4.60 | 1.67 | 28.71 | 0.94 | 0.32 | 3.15 | 0.01 | 11.29 | 1.81 | 1.64 | 0.60 | 100.70 | St M13 1 | 414 | 44 |
| 37 | 30.25 | 0.14 | 14.93 | 0.47 | 5.85 | 1.22 | 27.69 | 1.17 | 0.36 | 3.04 | 0.02 | 11.23 | 1.85 | 1.76 | 0.55 | 100.54 | St M13 2 | 460 | 37 |
| 38 | 30.58 | 0.14 | 14.41 | 0.54 | 5.92 | 1.72 | 27.94 | 1.17 | 0.39 | 2.99 | 0.01 | 10.72 | 1.69 | 1.55 | 0.66 | 100.43 | St M13 3 | 424 | 35 |
| 39 | 31.04 | 0.09 | 15.16 | 0.48 | 3.63 | 1.68 | 28.86 | 0.79 | 0.24 | 3.00 | 0.01 | 11.37 | 1.96 | 1.87 | 0.66 | 100.84 | St M14 1 | 412 | 48 |
| 40 | 30.75 | 0.10 | 15.01 | 0.41 | 3.64 | 1.67 | 29.04 | 0.80 | 0.36 | 2.95 | 0.00 | 11.42 | 1.92 | 1.80 | 0.63 | 100.50 | St M14 2 | 461 | 51 |
| 41 | 30.08 | 0.16 | 14.07 | 0.69 | 5.87 | 1.92 | 27.37 | 1.26 | 0.45 | 2.74 | 0.00 | 10.94 | 1.90 | 1.73 | 0.71 | 99.89 | St M14 3 | 453 | 34 |
| 42 | 30.65 | 0.14 | 13.98 | 0.63 | 5.60 | 1.91 | 27.79 | 1.17 | 0.43 | 2.85 | 0.02 | 11.00 | 1.83 | 1.64 | 0.63 | 100.27 | St M14 4 | 436 | 35 |
| 43 | 30.83 | 0.15 | 13.90 | 0.69 | 6.10 | 1.96 | 27.43 | 1.29 | 0.47 | 2.81 | 0.01 | 10.79 | 1.81 | 1.64 | 0.72 | 100.60 | St M14 5 | 416 | 32 |
| 44 | 30.11 | 0.13 | 13.91 | 0.53 | 5.72 | 1.73 | 27.17 | 1.22 | 0.96 | 3.03 | 0.02 | 10.93 | 1.75 | 1.51 | 0.65 | 99.37 | St M15 1 | 416 | 36 |
| 45 | 30.94 | 0.17 | 13.74 | 0.67 | 6.83 | 1.89 | 27.05 | 1.38 | 0.45 | 2.95 | 0.01 | 10.79 | 1.83 | 1.64 | 0.73 | 101.08 | St M15 2 | 444 | 32 |
| 46 | 29.21 | 0.16 | 13.61 | 0.65 | 7.05 | 1.77 | 26.87 | 1.42 | 0.62 | 2.90 | 0.02 | 10.45 | 1.73 | 1.64 | 0.63 | 98.73 | St M15 3 | 422 | 30 |
| 47 | 30.88 | 0.15 | 14.12 | 0.68 | 5.97 | 1.88 | 27.38 | 1.23 | 0.33 | 3.00 | 0.02 | 10.99 | 1.98 | 1.89 | 0.63 | 101.13 | St M15 4 | 444 | 35 |
| 48 | 30.89 | 0.14 | 14.15 | 0.65 | 5.82 | 1.95 | 27.59 | 1.20 | 0.35 | 3.02 | 0.01 | 10.95 | 1.89 | 1.88 | 0.67 | 101.16 | St M15 5 | 429 | 35 |
| 49 | 30.97 | 0.09 | 14.99 | 0.36 | 3.68 | 1.57 | 29.33 | 0.77 | 0.21 | 3.15 | 0.01 | 11.76 | 1.92 | 1.84 | 0.64 | 101.29 | St M15 6 | 438 | 55 |
| 50 | 30.93 | 0.16 | 14.20 | 0.64 | 6.18 | 1.93 | 27.97 | 1.21 | 0.37 | 3.08 | 0.01 | 10.85 | 1.83 | 1.71 | 0.62 | 101.70 | St M15 7 | 460 | 34 |
| 51 | 31.16 | 0.11 | 14.74 | 0.44 | 4.54 | 1.72 | 28.73 | 0.94 | 0.31 | 3.17 | 0.00 | 11.10 | 1.76 | 1.61 | 0.65 | 100.99 | St M15 8 | 424 | 45 |
| 52 | 31.02 | 0.10 | 14.84 | 0.39 | 4.20 | 1.62 | 29.10 | 0.87 | 0.72 | 3.12 | 0.01 | 11.28 | 1.75 | 1.55 | 0.59 | 101.16 | St M15 9 | 443 | 49 |
| 53 | 31.05 | 0.05 | 15.83 | 0.29 | 1.40 | 1.64 | 31.08 | 0.40 | 0.11 | 3.32 | 0.02 | 11.57 | 1.73 | 1.47 | 0.58 | 100.54 | St M16 1 | 467 | 101 |
| 54 | 31.63 | 0.04 | 15.95 | 0.32 | 1.04 | 1.43 | 30.90 | 0.33 | 0.11 | 3.36 | 0.01 | 11.81 | 1.78 | 1.45 | 0.63 | 100.79 | St M16 2 | 408 | 108 |
| 55 | 31.44 | 0.04 | 15.72 | 0.35 | 1.12 | 1.54 | 30.97 | 0.34 | 0.11 | 3.39 | 0.00 | 12.04 | 1.75 | 1.52 | 0.63 | 100.97 | St M16 3 | 443 | 100 |
| 56 | 30.42 | 0.12 | 14.56 | 0.49 | 4.33 | 1.72 | 27.97 | 0.93 | 0.25 | 2.95 | 0.01 | 11.26 | 1.78 | 1.47 | 0.58 | 98.83 | St M17 1 | 465 | 46 |
| 57 | 30.08 | 0.14 | 14.54 | 0.52 | 5.09 | 1.67 | 27.85 | 1.08 | 0.30 | 2.95 | 0.01 | 11.15 | 1.75 | 1.44 | 0.56 | 99.12 | St M17 2 | 470 | 41 |
| 58 | 30.70 | 0.12 | 14.67 | 0.47 | 5.41 | 1.61 | 28.88 | 1.07 | 0.31 | 3.16 | 0.01 | 11.15 | 1.80 | 1.43 | 0.54 | 101.33 | St M17 3 | 424 | 39 |
| 59 | 30.37 | 0.14 | 14.32 | 0.47 | 6.35 | 1.55 | 28.21 | 1.19 | 0.40 | 3.10 | 0.01 | 11.01 | 1.79 | 1.49 | 0.59 | 100.99 | St M17 4 | 413 | 35 |
| 60 | 30.71 | 0.08 | 15.07 | 0.33 | 3.51 | 1.51 | 29.99 | 0.74 | 0.21 | 3.26 | 0.01 | 11.70 | 1.86 | 1.51 | 0.56 | 101.04 | St M17 5 | 432 | 56 |

| | | | | | | | | | | | | | | | | | | | |
|--|-------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|--------|----------|-----|----|
| 61 | 30.65 | 0.09 | 15.29 | 0.34 | 3.54 | 1.50 | 29.99 | 0.76 | 0.19 | 3.25 | 0.00 | 11.36 | 1.84 | 1.47 | 0.52 | 100.80 | St M17 6 | 459 | 56 |
| 62 | 30.63 | 0.11 | 15.00 | 0.48 | 4.38 | 1.59 | 29.25 | 0.92 | 0.22 | 3.17 | 0.01 | 11.04 | 1.73 | 1.46 | 0.57 | 100.55 | StM18 1 | 441 | 45 |
| 63 | 30.42 | 0.14 | 14.22 | 0.62 | 5.64 | 1.78 | 27.90 | 1.21 | 0.27 | 3.01 | 0.00 | 10.87 | 1.78 | 1.46 | 0.70 | 100.01 | St M18 2 | 436 | 36 |
| 64 | 30.61 | 0.14 | 14.34 | 0.59 | 5.54 | 1.85 | 28.01 | 1.16 | 0.26 | 3.10 | 0.01 | 11.11 | 1.83 | 1.57 | 0.55 | 100.68 | StM18 2 | 446 | 37 |
| 65 | 30.75 | 0.13 | 14.44 | 0.55 | 5.06 | 1.86 | 28.21 | 1.07 | 0.24 | 3.07 | 0.01 | 11.12 | 1.86 | 1.71 | 0.69 | 100.76 | St M18 3 | 439 | 40 |
| 66 | 30.50 | 0.17 | 13.85 | 0.67 | 6.47 | 1.87 | 27.48 | 1.34 | 0.32 | 3.00 | 0.01 | 10.84 | 1.78 | 1.55 | 0.69 | 100.54 | StM18 3 | 473 | 34 |
| 67 | 30.44 | 0.16 | 13.98 | 0.68 | 6.53 | 1.88 | 27.70 | 1.31 | 0.32 | 3.02 | 0.00 | 10.85 | 1.86 | 1.48 | 0.64 | 100.86 | St M18 4 | 425 | 32 |
| 68 | 30.62 | 0.11 | 14.67 | 0.45 | 4.48 | 1.66 | 28.99 | 0.91 | 0.25 | 3.12 | 0.01 | 11.30 | 1.86 | 1.58 | 0.60 | 100.61 | StM18 4 | 452 | 45 |
| 69 | 30.63 | 0.13 | 14.35 | 0.62 | 5.12 | 1.92 | 27.78 | 1.06 | 0.27 | 3.03 | 0.00 | 11.01 | 1.90 | 1.80 | 0.61 | 100.23 | St M18 5 | 430 | 38 |
| 70 | 30.90 | 0.09 | 15.24 | 0.36 | 3.60 | 1.59 | 29.71 | 0.75 | 0.17 | 3.22 | 0.00 | 11.33 | 1.74 | 1.47 | 0.50 | 100.68 | StM18 5 | 430 | 53 |
| 71 | 30.82 | 0.10 | 14.62 | 0.44 | 4.18 | 1.73 | 29.04 | 0.86 | 0.22 | 3.22 | 0.00 | 11.45 | 1.82 | 1.50 | 0.68 | 100.69 | St M18 6 | 430 | 47 |
| 72 | 30.66 | 0.17 | 13.87 | 0.67 | 6.56 | 1.94 | 27.33 | 1.34 | 0.33 | 2.98 | 0.01 | 10.84 | 1.77 | 1.54 | 0.65 | 100.66 | StM18 6 | 463 | 33 |
| 73 | 30.89 | 0.15 | 14.42 | 0.53 | 6.06 | 1.60 | 27.21 | 1.19 | 0.33 | 2.96 | 0.02 | 11.05 | 1.95 | 1.82 | 0.63 | 100.81 | St M19 1 | 464 | 36 |
| 74 | 30.96 | 0.16 | 13.56 | 0.69 | 6.56 | 1.94 | 26.80 | 1.32 | 0.35 | 2.97 | 0.01 | 10.78 | 1.95 | 1.90 | 0.78 | 100.74 | St M19 2 | 438 | 33 |
| 75 | 31.02 | 0.19 | 13.30 | 0.73 | 7.37 | 2.07 | 26.44 | 1.48 | 0.40 | 2.86 | 0.02 | 10.40 | 1.86 | 1.84 | 0.80 | 100.78 | St M19 3 | 448 | 30 |
| 76 | 30.86 | 0.14 | 14.02 | 0.52 | 5.51 | 1.85 | 27.68 | 1.16 | 0.31 | 2.99 | 0.02 | 10.98 | 1.86 | 1.69 | 0.64 | 100.23 | St M19 4 | 456 | 38 |
| AA 7 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| 1 | 30.94 | 0.10 | 14.69 | 0.44 | 4.22 | 1.68 | 29.00 | 0.90 | 0.24 | 3.23 | 0.02 | 11.32 | 1.81 | 1.60 | 0.62 | 100.81 | Mtx M1 1 | 422 | 45 |
| 2 | 30.79 | 0.09 | 15.03 | 0.47 | 4.34 | 1.53 | 28.77 | 0.93 | 0.24 | 3.15 | 0.01 | 10.83 | 1.73 | 1.49 | 0.62 | 100.02 | Mtx M1 2 | 379 | 43 |
| 3 | 30.75 | 0.10 | 14.75 | 0.46 | 4.28 | 1.67 | 28.46 | 0.94 | 0.20 | 3.17 | 0.01 | 11.00 | 1.79 | 1.58 | 0.68 | 99.84 | Mtx M1 3 | 421 | 44 |
| 4 | 30.89 | 0.14 | 14.15 | 0.62 | 5.60 | 1.84 | 27.44 | 1.19 | 0.29 | 3.04 | 0.00 | 10.57 | 1.77 | 1.67 | 0.65 | 99.86 | Mtx M1 4 | 423 | 35 |
| 5 | 30.69 | 0.10 | 14.36 | 0.46 | 3.91 | 1.67 | 27.71 | 0.89 | 0.20 | 3.20 | 0.00 | 11.08 | 1.81 | 1.67 | 0.68 | 98.43 | Mtx M1 5 | 434 | 47 |
| 6 | 30.94 | 0.13 | 13.69 | 0.61 | 4.99 | 1.86 | 26.63 | 1.23 | 0.23 | 3.13 | 0.01 | 10.84 | 1.79 | 1.68 | 0.66 | 98.42 | Mtx M1 6 | 432 | 38 |
| 7 | 30.83 | 0.15 | 14.08 | 0.70 | 5.81 | 1.88 | 27.24 | 1.24 | 0.26 | 2.96 | 0.01 | 10.82 | 1.76 | 1.61 | 0.71 | 100.07 | Mtx M2 1 | 439 | 34 |
| 8 | 30.79 | 0.13 | 14.62 | 0.55 | 4.94 | 1.68 | 28.23 | 1.03 | 0.24 | 3.09 | 0.00 | 11.22 | 1.78 | 1.53 | 0.65 | 100.49 | Mtx M2 2 | 466 | 41 |
| 9 | 30.68 | 0.15 | 14.29 | 0.63 | 5.73 | 1.86 | 27.65 | 1.20 | 0.27 | 3.03 | 0.01 | 10.87 | 1.75 | 1.61 | 0.66 | 100.39 | Mtx M2 3 | 460 | 36 |
| 10 | 30.76 | 0.11 | 14.72 | 0.47 | 4.93 | 1.56 | 28.41 | 0.99 | 0.30 | 3.09 | 0.01 | 11.12 | 1.73 | 1.52 | 0.61 | 100.33 | Mtx M2 4 | 409 | 41 |
| 11 | 30.74 | 0.09 | 15.18 | 0.48 | 3.55 | 1.57 | 29.19 | 0.84 | 0.25 | 3.12 | 0.01 | 11.40 | 1.76 | 1.49 | 0.56 | 100.23 | Mtx M2 5 | 400 | 50 |
| 12 | 30.68 | 0.12 | 14.77 | 0.46 | 4.87 | 1.59 | 28.41 | 1.01 | 0.26 | 3.09 | 0.02 | 11.16 | 1.76 | 1.51 | 0.56 | 100.27 | Mtx M2 6 | 455 | 43 |
| 13 | 30.67 | 0.15 | 14.19 | 0.65 | 5.62 | 1.87 | 27.86 | 1.22 | 0.37 | 3.01 | 0.01 | 10.99 | 1.87 | 1.67 | 0.73 | 100.89 | Mtx M2 7 | 460 | 36 |
| 14 | 30.60 | 0.16 | 13.79 | 0.63 | 6.76 | 1.86 | 27.27 | 1.39 | 0.39 | 2.98 | 0.01 | 10.82 | 1.83 | 1.68 | 0.74 | 100.91 | Mtx M3 1 | 427 | 32 |

| | | | | | | | | | | | | | | | | | | | |
|---|-------------|------------|--------------|------------|-------------|-------------|--------------|------------|-------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|----------------|------------|--------------|
| 15 | 30.77 | 0.12 | 14.59 | 0.51 | 4.98 | 1.78 | 28.34 | 1.00 | 0.25 | 3.06 | 0.01 | 11.04 | 1.85 | 1.74 | 0.66 | 100.69 | Mtx M3 2 | 410 | 41 |
| 16 | 30.00 | 0.16 | 14.27 | 0.50 | 7.50 | 1.28 | 26.98 | 1.36 | 0.54 | 2.93 | 0.01 | 10.97 | 1.88 | 1.74 | 0.56 | 100.68 | Mtx M3 3 | 416 | 31 |
| 17 | 30.83 | 0.07 | 15.69 | 0.35 | 2.82 | 1.63 | 29.70 | 0.65 | 0.15 | 3.15 | 0.01 | 11.54 | 1.87 | 1.76 | 0.57 | 100.80 | Mtx M3 4 | 399 | 61 |
| 18 | 30.94 | 0.07 | 15.81 | 0.35 | 2.66 | 1.60 | 29.94 | 0.63 | 0.14 | 3.11 | 0.01 | 11.38 | 1.79 | 1.68 | 0.61 | 100.72 | Mtx M3 5 | 429 | 66 |
| 19 | 30.86 | 0.07 | 15.48 | 0.34 | 2.78 | 1.58 | 29.97 | 0.64 | 0.13 | 3.16 | 0.00 | 11.32 | 1.79 | 1.65 | 0.64 | 100.40 | Mtx M3 6 | 417 | 64 |
| 20 | 30.63 | 0.19 | 13.50 | 0.71 | 7.27 | 1.99 | 26.72 | 1.52 | 0.39 | 2.98 | 0.00 | 10.68 | 1.78 | 1.70 | 0.71 | 100.78 | Mtx M3 7 | 457 | 30 |
| 21 | 29.98 | 0.17 | 14.21 | 0.48 | 7.84 | 1.15 | 26.35 | 1.41 | 0.57 | 2.88 | 0.02 | 10.71 | 1.78 | 1.68 | 0.47 | 99.71 | Mtx M3 8 | 434 | 31 |
| 22 | 30.20 | 0.13 | 14.98 | 0.42 | 6.13 | 1.11 | 26.50 | 1.15 | 0.39 | 2.83 | 0.00 | 11.14 | 1.75 | 1.57 | 0.49 | 98.79 | Mtx M3 9 | 414 | 37 |
| 23 | 30.48 | 0.11 | 14.44 | 0.42 | 4.74 | 1.70 | 27.49 | 1.03 | 0.26 | 2.95 | 0.00 | 11.12 | 1.76 | 1.58 | 0.58 | 98.67 | Mtx M3 10 | 423 | 43 |
| AA 23 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 31.76 | 0.22 | 12.85 | 0.41 | 9.87 | 1.41 | 26.53 | 1.72 | 0.84 | 2.86 | 0.01 | 11.17 | 1.73 | 1.50 | 0.02 | 102.97 | St M1 1 | 457 | 27 |
| 2 | 29.88 | 0.25 | 11.78 | 0.36 | 12.18 | 1.28 | 24.35 | 1.91 | 2.09 | 2.69 | 0.00 | 10.45 | 1.59 | 1.43 | 0.02 | 100.35 | St M1 2 | 440 | 23 |
| 3 | 31.26 | 0.23 | 12.08 | 0.40 | 11.48 | 1.52 | 25.14 | 1.94 | 0.89 | 2.79 | 0.01 | 11.18 | 1.79 | 1.61 | 0.03 | 102.43 | St M1 3 | 429 | 24 |
| 4 | 31.34 | 0.20 | 13.00 | 0.43 | 9.83 | 1.50 | 26.14 | 1.71 | 0.72 | 2.85 | 0.01 | 10.85 | 1.73 | 1.51 | 0.02 | 101.91 | St M1 4 | 423 | 26 |
| 5 | 30.09 | 0.12 | 15.11 | 0.38 | 5.12 | 1.13 | 29.80 | 0.95 | 0.60 | 3.05 | 0.02 | 11.43 | 1.67 | 1.26 | 0.02 | 100.79 | St M1 5 | 431 | 43 |
| 6 | 31.10 | 0.20 | 13.55 | 1.55 | 5.35 | 1.48 | 26.96 | 1.50 | 1.88 | 2.86 | 0.01 | 10.94 | 1.74 | 1.72 | 0.02 | 100.90 | St M2 1 | 443 | 29 |
| 7 | 31.83 | 0.08 | 15.44 | 0.37 | 3.24 | 1.19 | 29.93 | 0.68 | 0.87 | 3.18 | 0.03 | 11.76 | 1.69 | 1.33 | 0.02 | 101.66 | St M2 2 | 440 | 60 |
| 8 | 31.74 | 0.16 | 14.42 | 0.41 | 7.24 | 1.25 | 28.50 | 1.22 | 0.44 | 2.96 | 0.00 | 11.27 | 1.65 | 1.46 | 0.02 | 102.80 | St M2 3 | 431 | 33 |
| 9 | 30.65 | 0.24 | 12.80 | 0.41 | 11.11 | 1.39 | 25.69 | 1.86 | 0.93 | 2.75 | 0.02 | 10.58 | 1.71 | 1.52 | 0.02 | 101.75 | St M3 1 | 449 | 25 |
| 10 | 29.16 | 0.24 | 12.37 | 0.41 | 11.92 | 1.31 | 25.42 | 1.87 | 0.89 | 2.77 | 0.01 | 10.51 | 1.72 | 1.51 | 0.02 | 100.21 | St M3 2 | 421 | 23 |
| 11 | 30.22 | 0.12 | 14.60 | 0.43 | 5.27 | 1.25 | 28.96 | 1.09 | 2.06 | 3.05 | 0.01 | 11.34 | 1.76 | 1.40 | 0.02 | 101.62 | St M4 1 | 426 | 41 |
| 12 | 31.20 | 0.20 | 13.42 | 0.46 | 9.25 | 1.42 | 27.06 | 1.62 | 0.63 | 2.85 | 0.01 | 10.83 | 1.72 | 1.50 | 0.02 | 102.25 | St M4 2 | 438 | 28 |
| 13 | 31.67 | 0.14 | 14.03 | 0.40 | 6.12 | 1.34 | 28.54 | 1.11 | 0.47 | 2.98 | 0.02 | 11.21 | 1.75 | 1.28 | 0.02 | 101.12 | St M5 1 | 442 | 27 |
| 14 | 29.67 | 0.21 | 13.22 | 0.43 | 9.57 | 1.27 | 27.14 | 1.63 | 0.90 | 2.90 | 0.01 | 11.06 | 1.65 | 1.36 | 0.02 | 101.11 | St M5 1 | 444 | 27 |
| AA 23 (Monazite grain in theMatrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 30.85 | 0.26 | 12.26 | 0.35 | 12.91 | 1.34 | 25.22 | 2.02 | 1.09 | 2.66 | 0.01 | 10.65 | 1.60 | 1.45 | 0.02 | 102.78 | Mtx M1 1 | 439 | 22 |
| 2 | 30.22 | 0.29 | 11.90 | 0.40 | 14.91 | 1.25 | 24.36 | 2.12 | 1.44 | 2.57 | 0.01 | 10.30 | 1.42 | 1.32 | 0.02 | 102.63 | Mtx M1 2 | 420 | 19 |
| 3 | 31.30 | 0.24 | 12.49 | 0.38 | 11.81 | 1.39 | 25.20 | 1.99 | 0.94 | 2.70 | 0.01 | 10.78 | 1.65 | 1.48 | 0.02 | 102.46 | Mtx M1 3 | 426 | 23 |

| 4 | 31.59 | 0.17 | 13.90 | 0.48 | 7.96 | 1.37 | 27.44 | 1.46 | 0.82 | 2.84 | 0.00 | 10.98 | 1.64 | 1.42 | 0.02 | 102.15 | Mtx M1 4 | 409 | 30 |
|--|-------|------|-------|------|-------|------|-------|------|------|-------|------|-------|-------|-------|-------|--------|----------|-----|-------|
| 5 | 32.71 | 0.08 | 15.41 | 0.36 | 3.00 | 1.44 | 30.24 | 0.67 | 0.18 | 3.25 | 0.00 | 12.03 | 1.88 | 1.57 | 0.02 | 102.88 | Mtx M2 1 | 462 | 62 |
| 6 | 32.44 | 0.13 | 14.20 | 0.40 | 5.72 | 1.52 | 28.31 | 1.13 | 0.42 | 2.92 | 0.01 | 11.37 | 1.80 | 1.60 | 0.02 | 102.04 | Mtx M2 2 | 420 | 39 |
| 7 | 32.13 | 0.14 | 13.94 | 0.33 | 6.88 | 1.42 | 28.17 | 1.24 | 0.39 | 3.00 | 0.01 | 11.81 | 1.80 | 1.57 | 0.02 | 102.90 | Mtx M2 3 | 400 | 34 |
| 8 | 31.50 | 0.19 | 13.33 | 0.48 | 8.48 | 1.48 | 26.86 | 1.57 | 0.53 | 2.86 | 0.02 | 11.31 | 1.72 | 1.57 | 0.02 | 101.98 | Mtx M2 4 | 435 | 29 |
| 9 | 31.87 | 0.07 | 15.20 | 0.33 | 3.16 | 1.26 | 30.74 | 0.65 | 0.18 | 3.29 | 0.01 | 12.39 | 1.81 | 1.35 | 0.02 | 102.35 | Mtx M3 1 | 399 | 61 |
| 10 | 31.05 | 0.22 | 12.67 | 0.38 | 10.69 | 1.43 | 26.00 | 1.77 | 0.67 | 2.75 | 0.02 | 11.13 | 1.68 | 1.58 | 0.02 | 102.14 | Mtx M3 2 | 433 | 25 |
| 11 | 32.02 | 0.15 | 14.38 | 0.59 | 6.09 | 1.47 | 28.35 | 1.27 | 0.28 | 3.02 | 0.01 | 11.56 | 1.75 | 1.49 | 0.02 | 102.50 | Mtx M3 3 | 448 | 35 |
| 12 | 31.46 | 0.13 | 14.30 | 0.40 | 6.56 | 1.40 | 28.56 | 1.22 | 0.42 | 2.97 | 0.01 | 11.33 | 1.67 | 1.38 | 0.02 | 101.89 | Mtx M3 4 | 403 | 35 |
| 13 | 30.16 | 0.23 | 12.57 | 0.40 | 11.22 | 1.32 | 25.72 | 1.80 | 1.03 | 2.78 | 0.03 | 10.80 | 1.62 | 1.57 | 0.02 | 101.35 | Mtx M3 5 | 427 | 24 |
| AH 120 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 31.87 | 0.17 | 12.99 | 0.62 | 8.06 | 1.95 | 26.70 | 1.63 | 0.51 | 2.87 | 0.03 | 11.03 | 1.78 | 1.54 | 0.02 | 101.84 | St M1 1 | 393 | 28 |
| 2 | 31.79 | 0.17 | 13.18 | 0.62 | 7.68 | 1.90 | 27.32 | 1.51 | 0.46 | 2.93 | 0.02 | 11.28 | 1.76 | 1.56 | 0.02 | 102.27 | St M1 2 | 412 | 29 |
| 3 | 31.85 | 0.17 | 13.22 | 0.58 | 7.39 | 2.03 | 27.07 | 1.48 | 0.72 | 2.93 | 0.02 | 11.41 | 1.81 | 1.63 | 0.02 | 102.40 | St M1 3 | 436 | 31 |
| 4 | 31.37 | 0.13 | 13.87 | 0.44 | 5.54 | 1.59 | 27.91 | 1.14 | 1.31 | 3.00 | 0.00 | 11.58 | 1.70 | 1.46 | 0.02 | 101.11 | St M1 4 | 431 | 39 |
| 5 | 32.59 | 0.13 | 13.46 | 0.48 | 6.12 | 1.85 | 27.87 | 1.23 | 0.57 | 2.95 | 0.02 | 11.47 | 1.82 | 1.58 | 0.02 | 102.20 | St M1 5 | 397 | 35 |
| 6 | 31.21 | 0.12 | 12.82 | 0.46 | 6.09 | 1.87 | 26.31 | 1.25 | 1.43 | 2.82 | 0.02 | 10.96 | 1.67 | 1.50 | 0.02 | 98.61 | St M1 6 | 388 | 35 |
| 7 | 31.28 | 0.16 | 13.00 | 0.55 | 7.64 | 1.89 | 26.59 | 1.57 | 0.61 | 2.97 | 0.03 | 11.01 | 1.71 | 1.53 | 0.03 | 100.63 | St M1 7 | 405 | 30 |
| 8 | 31.11 | 0.12 | 13.69 | 0.57 | 5.67 | 1.88 | 27.58 | 1.17 | 2.32 | 2.91 | 0.01 | 11.23 | 1.73 | 1.55 | 0.02 | 101.62 | St M2 1 | 385 | 34 |
| 9 | 32.20 | 0.14 | 13.80 | 0.55 | 6.25 | 1.91 | 28.23 | 1.24 | 0.49 | 2.96 | 0.01 | 11.55 | 1.86 | 1.66 | 0.02 | 102.93 | St M2 2 | 414 | 35 |
| 10 | 32.51 | 0.12 | 14.00 | 0.52 | 5.23 | 1.87 | 28.84 | 1.09 | 0.35 | 3.05 | 0.01 | 11.84 | 1.77 | 1.57 | 0.02 | 102.84 | St M2 3 | 421 | 40 |
| 11 | 32.25 | 0.12 | 14.17 | 0.48 | 5.34 | 1.77 | 28.80 | 1.10 | 0.36 | 3.01 | 0.02 | 11.62 | 1.75 | 1.57 | 0.02 | 102.41 | St M2 4 | 413 | 39 |
| 12 | 32.40 | 0.12 | 14.25 | 0.47 | 4.99 | 1.83 | 28.91 | 1.03 | 0.47 | 3.04 | 0.01 | 11.85 | 1.82 | 1.63 | 0.02 | 102.88 | St M2 5 | 423 | 41 |
| 13 | 31.94 | 0.15 | 14.09 | 0.50 | 7.16 | 1.35 | 27.35 | 1.49 | 0.52 | 2.92 | 0.01 | 11.49 | 1.76 | 1.48 | 0.02 | 102.28 | St M2 6 | 416 | 32 |
| 14 | 30.57 | 0.09 | 13.82 | 0.41 | 3.91 | 1.88 | 28.11 | 1.23 | 1.57 | 3.05 | 0.03 | 11.27 | 1.66 | 1.45 | 0.03 | 99.10 | St M2 7 | 402 | 48 |
| 15 | 32.11 | 0.16 | 13.36 | 0.53 | 7.50 | 1.78 | 27.69 | 1.40 | 0.51 | 2.92 | 0.01 | 11.40 | 1.72 | 1.41 | 0.02 | 102.58 | St M3 1 | 413 | 31 |
| 16 | 31.08 | 0.16 | 13.12 | 0.50 | 7.35 | 1.70 | 26.84 | 1.37 | 0.58 | 2.82 | 0.03 | 11.04 | 1.67 | 1.44 | 0.02 | 99.78 | St M3 2 | 432 | 32 |
| 17 | 33.02 | 0.11 | 12.09 | 0.43 | 4.88 | 1.81 | 25.16 | 7.62 | 0.33 | 2.66 | 0.02 | 10.15 | 1.48 | 1.35 | 0.02 | 101.16 | St M4 1 | 416 | 42 |
| 18 | 31.01 | 0.11 | 13.72 | 0.36 | 4.82 | 1.85 | 28.65 | 1.04 | 0.40 | 3.02 | 0.00 | 11.86 | 1.76 | 1.53 | 0.02 | 100.18 | St M4 2 | 418 | 44 |
| 19 | 30.38 | 0.10 | 14.45 | 0.33 | 4.22 | 1.67 | 28.90 | 1.11 | 1.68 | 3.09 | 0.01 | 11.77 | 1.66 | 1.43 | 0.02 | 100.86 | St M5 1 | 424 | 49 |

| 20 | 30.42 | 0.09 | 14.19 | 0.37 | 3.60 | 1.75 | 28.57 | 1.34 | 2.08 | 2.92 | 0.02 | 11.41 | 1.67 | 1.38 | 0.02 | 99.86 | St M5 2 | 421 | 53 |
|--|-------|------|-------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|--------|----------|-----|-------|
| AH 120 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | Error |
| 1 | 31.85 | 0.15 | 13.88 | 0.49 | 6.84 | 1.68 | 28.31 | 1.27 | 0.37 | 3.11 | 0.01 | 11.49 | 1.78 | 1.45 | 0.02 | 102.76 | Mtx M1 1 | 413 | 33 |
| 2 | 31.58 | 0.15 | 13.60 | 0.50 | 7.38 | 1.65 | 27.83 | 1.35 | 0.41 | 3.02 | 0.00 | 11.39 | 1.78 | 1.48 | 0.03 | 102.20 | Mtx M1 2 | 399 | 31 |
| 3 | 30.97 | 0.15 | 13.51 | 0.53 | 7.15 | 1.71 | 27.53 | 1.35 | 0.81 | 2.97 | 0.01 | 11.16 | 1.67 | 1.48 | 0.02 | 101.08 | Mtx M1 3 | 411 | 31 |
| 4 | 32.11 | 0.16 | 13.99 | 0.74 | 6.13 | 1.68 | 27.94 | 1.40 | 0.39 | 3.05 | 0.02 | 11.35 | 1.73 | 1.49 | 0.02 | 102.25 | Mtx M1 4 | 440 | 33 |
| 5 | 30.73 | 0.13 | 13.63 | 0.51 | 5.85 | 1.74 | 27.38 | 1.24 | 0.39 | 2.90 | 0.00 | 11.17 | 1.72 | 1.45 | 0.02 | 98.91 | Mtx M1 5 | 416 | 36 |
| AA 6 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 31.16 | 0.07 | 15.67 | 0.37 | 3.00 | 1.50 | 29.95 | 0.68 | 0.26 | 3.20 | 0.01 | 11.34 | 1.81 | 1.48 | 0.57 | 101.08 | St M1 1 | 418 | 62 |
| 2 | 30.99 | 0.07 | 15.42 | 0.37 | 2.88 | 1.51 | 29.61 | 0.63 | 0.26 | 3.18 | 0.01 | 11.52 | 1.91 | 1.63 | 0.67 | 100.67 | St M1 2 | 409 | 62 |
| 3 | 30.58 | 0.14 | 14.61 | 0.57 | 5.49 | 1.84 | 28.04 | 1.13 | 0.30 | 3.02 | 0.01 | 11.11 | 1.80 | 1.59 | 0.61 | 100.83 | St M2 1 | 441 | 38 |
| 4 | 30.36 | 0.14 | 14.21 | 0.58 | 5.24 | 1.96 | 28.10 | 1.11 | 0.29 | 3.03 | 0.02 | 11.40 | 1.89 | 1.73 | 0.65 | 100.71 | St M2 2 | 448 | 40 |
| 5 | 30.32 | 0.13 | 14.71 | 0.60 | 5.28 | 1.30 | 28.43 | 1.06 | 0.29 | 2.97 | 0.01 | 11.43 | 1.87 | 1.72 | 0.58 | 100.70 | St M2 3 | 422 | 39 |
| 6 | 30.40 | 0.15 | 13.99 | 0.69 | 6.13 | 1.62 | 27.34 | 1.26 | 0.38 | 2.99 | 0.01 | 11.13 | 1.88 | 1.68 | 0.60 | 100.26 | St M2 4 | 424 | 35 |
| 7 | 30.38 | 0.08 | 15.39 | 0.37 | 3.21 | 1.56 | 29.24 | 0.69 | 0.31 | 3.09 | 0.01 | 11.07 | 1.76 | 1.50 | 0.57 | 99.24 | St M2 5 | 415 | 59 |
| 8 | 31.58 | 0.11 | 15.14 | 0.43 | 4.65 | 1.49 | 28.69 | 0.94 | 0.23 | 3.12 | 0.01 | 11.87 | 1.84 | 1.44 | 0.02 | 101.60 | Grt M1 1 | 423 | 45 |
| 9 | 31.27 | 0.14 | 14.40 | 0.49 | 6.50 | 1.55 | 27.61 | 1.19 | 0.41 | 3.05 | 0.01 | 11.42 | 1.80 | 1.50 | 0.02 | 101.41 | Grt M1 2 | 399 | 34 |
| 10 | 31.44 | 0.14 | 14.35 | 0.49 | 6.41 | 1.59 | 27.60 | 1.19 | 0.40 | 3.00 | 0.01 | 11.62 | 1.82 | 1.54 | 0.02 | 101.67 | Grt M1 3 | 416 | 35 |
| 11 | 31.61 | 0.16 | 14.29 | 0.58 | 6.63 | 1.79 | 27.26 | 1.30 | 0.36 | 2.98 | 0.01 | 11.52 | 1.84 | 1.60 | 0.03 | 102.01 | Grt M1 4 | 436 | 33 |
| 12 | 31.34 | 0.15 | 14.21 | 0.49 | 7.44 | 1.53 | 27.43 | 1.33 | 0.48 | 3.01 | 0.00 | 11.26 | 1.77 | 1.44 | 0.02 | 101.96 | Grt M1 5 | 401 | 31 |
| 13 | 31.51 | 0.13 | 14.44 | 0.47 | 6.12 | 1.55 | 27.88 | 1.14 | 0.38 | 3.03 | 0.00 | 11.69 | 1.83 | 1.57 | 0.02 | 101.81 | Grt M1 6 | 401 | 36 |
| 14 | 31.78 | 0.11 | 14.63 | 0.46 | 4.98 | 1.58 | 28.29 | 1.07 | 0.21 | 3.08 | 0.01 | 11.76 | 1.91 | 1.68 | 0.02 | 101.61 | Grt M1 7 | 391 | 41 |
| 15 | 31.69 | 0.10 | 14.83 | 0.41 | 4.91 | 1.54 | 28.55 | 0.98 | 0.25 | 3.08 | 0.01 | 11.83 | 1.76 | 1.49 | 0.02 | 101.49 | Grt M1 7 | 387 | 42 |
| 16 | 31.40 | 0.14 | 14.53 | 0.46 | 6.80 | 1.56 | 27.68 | 1.23 | 0.42 | 2.99 | 0.00 | 11.37 | 1.76 | 1.51 | 0.02 | 101.93 | Grt M1 9 | 396 | 33 |
| AA 6 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | Error |
| 1 | 30.90 | 0.10 | 14.89 | 0.40 | 4.46 | 1.60 | 29.11 | 0.88 | 0.25 | 3.11 | 0.01 | 11.48 | 1.86 | 1.55 | 0.68 | 101.28 | Mtx M1 1 | 406 | 46 |
| 2 | 31.01 | 0.10 | 14.74 | 0.45 | 4.89 | 1.72 | 28.90 | 0.97 | 0.26 | 3.07 | 0.00 | 11.30 | 1.84 | 1.57 | 0.60 | 101.43 | Mtx M1 2 | 382 | 42 |

| | | | | | | | | | | | | | | | | | | | |
|----|-------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|--------|-----------|-----|----|
| 3 | 31.35 | 0.11 | 14.84 | 0.39 | 4.76 | 1.62 | 28.99 | 0.93 | 0.27 | 3.09 | 0.02 | 11.21 | 1.85 | 1.51 | 0.61 | 101.55 | Mtx M1 3 | 421 | 45 |
| 4 | 31.02 | 0.13 | 14.53 | 0.51 | 5.45 | 1.81 | 28.23 | 1.09 | 0.30 | 3.07 | 0.01 | 11.04 | 1.81 | 1.65 | 0.65 | 101.29 | Mtx M1 4 | 440 | 39 |
| 5 | 31.26 | 0.10 | 14.91 | 0.47 | 4.22 | 1.80 | 28.90 | 0.88 | 0.24 | 3.03 | 0.00 | 11.03 | 1.81 | 1.66 | 0.66 | 100.97 | Mtx M1 5 | 408 | 46 |
| 6 | 31.32 | 0.08 | 14.98 | 0.41 | 3.74 | 1.81 | 29.30 | 0.78 | 0.19 | 3.09 | 0.02 | 11.52 | 1.92 | 1.71 | 0.67 | 101.54 | Mtx M1 6 | 386 | 51 |
| 7 | 31.24 | 0.13 | 14.27 | 0.57 | 5.13 | 1.93 | 28.37 | 1.06 | 0.26 | 2.99 | 0.01 | 11.18 | 1.92 | 1.72 | 0.70 | 101.48 | Mtx M1 7 | 443 | 40 |
| 8 | 31.06 | 0.11 | 14.75 | 0.51 | 4.35 | 1.87 | 28.88 | 0.91 | 0.20 | 3.03 | 0.00 | 11.40 | 1.90 | 1.73 | 0.69 | 101.40 | Mtx M1 8 | 427 | 45 |
| 9 | 30.85 | 0.13 | 14.87 | 0.54 | 5.34 | 1.72 | 28.58 | 1.09 | 0.25 | 3.02 | 0.01 | 10.69 | 1.75 | 1.56 | 0.61 | 101.00 | Mtx M1 9 | 418 | 39 |
| 10 | 30.85 | 0.17 | 13.67 | 0.66 | 7.32 | 1.92 | 26.90 | 1.36 | 0.37 | 2.97 | 0.01 | 10.67 | 1.85 | 1.65 | 0.79 | 101.18 | Mtx M1 10 | 424 | 31 |
| 11 | 31.45 | 0.12 | 14.65 | 0.45 | 5.11 | 1.55 | 28.74 | 1.08 | 0.26 | 3.11 | 0.02 | 11.37 | 1.91 | 1.61 | 0.60 | 102.03 | Mtx M2 1 | 434 | 43 |
| 12 | 31.15 | 0.13 | 14.57 | 0.44 | 5.39 | 1.58 | 28.83 | 1.04 | 0.35 | 3.11 | 0.00 | 11.27 | 1.91 | 1.57 | 0.69 | 102.03 | Mtx M2 2 | 438 | 41 |
| 13 | 30.99 | 0.14 | 14.31 | 0.46 | 5.96 | 1.58 | 28.24 | 1.12 | 0.40 | 3.18 | 0.00 | 11.27 | 1.88 | 1.55 | 0.61 | 101.68 | Mtx M2 3 | 434 | 38 |
| 14 | 30.94 | 0.14 | 14.62 | 0.45 | 5.82 | 1.60 | 28.40 | 1.12 | 0.38 | 3.06 | 0.00 | 11.13 | 1.81 | 1.51 | 0.56 | 101.55 | Mtx M2 4 | 454 | 40 |
| 15 | 31.11 | 0.11 | 14.88 | 0.43 | 4.59 | 1.65 | 29.46 | 0.85 | 0.23 | 3.07 | 0.01 | 11.42 | 1.84 | 1.54 | 0.48 | 101.67 | Mtx M2 5 | 427 | 46 |
| 16 | 30.89 | 0.14 | 14.53 | 0.44 | 6.51 | 1.59 | 28.14 | 1.18 | 0.44 | 2.94 | 0.02 | 11.06 | 1.82 | 1.52 | 0.59 | 101.82 | Mtx M2 6 | 424 | 36 |
| 17 | 31.33 | 0.09 | 15.65 | 0.44 | 3.91 | 1.56 | 29.66 | 0.86 | 0.20 | 2.97 | 0.01 | 11.19 | 1.75 | 1.45 | 0.56 | 101.64 | Mtx M2 7 | 417 | 51 |
| 18 | 31.16 | 0.09 | 15.67 | 0.40 | 3.91 | 1.55 | 29.73 | 0.87 | 0.20 | 3.09 | 0.01 | 11.18 | 1.70 | 1.48 | 0.56 | 101.59 | Mtx M2 8 | 396 | 51 |
| 19 | 31.18 | 0.11 | 15.27 | 0.42 | 4.16 | 1.57 | 29.41 | 0.89 | 0.21 | 3.03 | 0.01 | 11.29 | 1.80 | 1.58 | 0.59 | 101.51 | Mtx M2 9 | 471 | 51 |
| 20 | 31.07 | 0.11 | 15.33 | 0.44 | 3.93 | 1.58 | 30.01 | 0.88 | 0.22 | 3.18 | 0.02 | 11.41 | 1.80 | 1.54 | 0.63 | 102.15 | Mtx M2 10 | 468 | 52 |
| 21 | 31.78 | 0.07 | 15.71 | 0.33 | 3.14 | 1.49 | 29.99 | 0.74 | 0.17 | 3.17 | 0.00 | 11.46 | 1.81 | 1.46 | 0.58 | 101.91 | Mtx M2 11 | 413 | 62 |
| 22 | 33.13 | 0.10 | 15.29 | 0.38 | 3.59 | 1.68 | 29.53 | 0.82 | 0.21 | 3.12 | 0.01 | 11.08 | 1.78 | 1.56 | 0.57 | 102.85 | Mtx M2 12 | 472 | 58 |
| 23 | 31.53 | 0.08 | 15.52 | 0.38 | 2.94 | 1.63 | 30.03 | 0.70 | 0.21 | 3.22 | 0.01 | 11.47 | 1.81 | 1.56 | 0.62 | 101.70 | Mtx M2 13 | 433 | 63 |
| 24 | 31.95 | 0.11 | 15.03 | 0.43 | 3.86 | 1.86 | 29.06 | 0.87 | 0.24 | 3.12 | 0.02 | 11.35 | 1.84 | 1.70 | 0.73 | 102.16 | Mtx M2 14 | 479 | 53 |
| 25 | 31.71 | 0.09 | 15.39 | 0.44 | 3.68 | 1.45 | 29.55 | 0.87 | 0.19 | 3.13 | 0.01 | 11.44 | 1.85 | 1.67 | 0.62 | 102.10 | Mtx M2 15 | 419 | 53 |
| 26 | 31.61 | 0.10 | 15.16 | 0.38 | 3.97 | 1.62 | 29.42 | 0.89 | 0.21 | 3.12 | 0.01 | 11.25 | 1.77 | 1.46 | 0.59 | 101.56 | Mtx M2 16 | 468 | 53 |
| 27 | 31.62 | 0.13 | 14.93 | 0.48 | 4.62 | 1.71 | 28.78 | 1.06 | 0.24 | 3.01 | 0.01 | 11.07 | 1.81 | 1.52 | 0.62 | 101.61 | Mtx M2 17 | 476 | 46 |
| 28 | 31.86 | 0.11 | 14.89 | 0.48 | 4.44 | 1.71 | 28.78 | 0.99 | 0.28 | 3.07 | 0.02 | 11.05 | 1.82 | 1.50 | 0.63 | 101.64 | Mtx M2 18 | 448 | 47 |
| 29 | 31.91 | 0.09 | 15.36 | 0.39 | 3.86 | 1.64 | 29.50 | 0.83 | 0.20 | 3.09 | 0.00 | 11.29 | 1.75 | 1.46 | 0.63 | 102.01 | Mtx M2 19 | 432 | 53 |
| 30 | 32.01 | 0.11 | 14.84 | 0.44 | 4.22 | 1.81 | 29.00 | 0.92 | 0.24 | 3.15 | 0.00 | 11.38 | 1.85 | 1.60 | 0.64 | 102.21 | Mtx M2 20 | 449 | 49 |
| 31 | 31.29 | 0.11 | 14.42 | 0.49 | 5.14 | 1.78 | 28.44 | 1.07 | 0.27 | 3.01 | 0.00 | 11.36 | 1.87 | 1.56 | 0.66 | 101.47 | Mtx M2 21 | 396 | 40 |
| 32 | 29.90 | 0.09 | 14.63 | 0.40 | 4.09 | 1.54 | 28.57 | 0.92 | 0.88 | 2.96 | 0.02 | 10.94 | 1.73 | 1.41 | 0.53 | 98.62 | Mtx M2 22 | 416 | 50 |
| 33 | 30.77 | 0.14 | 14.45 | 0.45 | 6.12 | 1.63 | 28.07 | 1.13 | 0.35 | 2.96 | 0.01 | 10.96 | 1.79 | 1.56 | 0.61 | 100.99 | Mtx M2 23 | 423 | 37 |

| | | | | | | | | | | | | | | | | | | | |
|---|-------------|------------|--------------|------------|-------------|-------------|--------------|------------|-------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|----------------|------------|--------------|
| 34 | 30.97 | 0.12 | 14.57 | 0.46 | 5.13 | 1.61 | 28.32 | 1.02 | 0.31 | 2.99 | 0.00 | 11.16 | 1.84 | 1.67 | 0.66 | 100.83 | Mtx M2 24 | 427 | 42 |
| 35 | 30.92 | 0.13 | 14.48 | 0.45 | 5.41 | 1.59 | 28.47 | 1.06 | 0.32 | 2.97 | 0.01 | 11.18 | 1.86 | 1.56 | 0.63 | 101.04 | Mtx M2 25 | 457 | 41 |
| 36 | 31.20 | 0.10 | 15.13 | 0.43 | 4.33 | 1.66 | 29.15 | 0.89 | 0.20 | 3.10 | 0.00 | 11.36 | 1.80 | 1.57 | 0.63 | 101.55 | Mtx M2 26 | 402 | 47 |
| 37 | 31.02 | 0.12 | 14.83 | 0.45 | 5.06 | 1.67 | 28.60 | 1.04 | 0.29 | 3.09 | 0.02 | 11.20 | 1.88 | 1.53 | 0.60 | 101.39 | Mtx M2 27 | 431 | 42 |
| 38 | 31.13 | 0.11 | 14.46 | 0.44 | 4.85 | 1.47 | 28.79 | 1.03 | 0.30 | 3.13 | 0.02 | 11.45 | 1.88 | 1.60 | 0.58 | 101.23 | Mtx M2 28 | 422 | 44 |
| 39 | 31.05 | 0.09 | 14.95 | 0.38 | 3.94 | 1.52 | 29.77 | 0.82 | 0.21 | 3.13 | 0.00 | 11.46 | 1.80 | 1.48 | 0.67 | 101.28 | Mtx M2 29 | 411 | 51 |
| 40 | 30.32 | 0.10 | 14.84 | 0.40 | 3.77 | 1.55 | 29.52 | 0.80 | 0.20 | 3.10 | 0.01 | 11.53 | 1.82 | 1.54 | 0.66 | 100.15 | Mtx M2 30 | 445 | 53 |
| 41 | 30.96 | 0.10 | 15.08 | 0.41 | 4.18 | 1.64 | 29.32 | 0.93 | 0.18 | 3.05 | 0.01 | 11.34 | 1.80 | 1.57 | 0.60 | 101.17 | Mtx M2 31 | 422 | 48 |
| 42 | 31.31 | 0.09 | 15.43 | 0.33 | 3.48 | 1.56 | 29.89 | 0.74 | 0.17 | 3.09 | 0.02 | 11.46 | 1.81 | 1.52 | 0.64 | 101.53 | Mtx M2 32 | 448 | 59 |
| 43 | 30.94 | 0.07 | 15.91 | 0.34 | 2.49 | 1.16 | 30.68 | 0.58 | 0.12 | 3.20 | 0.02 | 11.64 | 1.84 | 1.52 | 0.41 | 100.93 | Mtx M2 33 | 455 | 73 |
| 44 | 31.00 | 0.07 | 15.56 | 0.35 | 2.92 | 0.89 | 30.65 | 0.63 | 0.14 | 3.19 | 0.02 | 11.75 | 1.90 | 1.62 | 0.46 | 101.15 | Mtx M2 34 | 388 | 66 |
| 45 | 30.78 | 0.10 | 15.13 | 0.48 | 4.28 | 1.05 | 29.42 | 0.93 | 0.21 | 3.14 | 0.01 | 11.58 | 1.93 | 1.59 | 0.46 | 101.10 | Mtx M2 35 | 391 | 47 |
| 46 | 30.86 | 0.09 | 15.51 | 0.44 | 3.63 | 0.76 | 30.20 | 0.78 | 0.19 | 3.21 | 0.01 | 11.70 | 1.89 | 1.46 | 0.38 | 101.10 | Mtx M2 36 | 406 | 54 |
| 47 | 30.98 | 0.07 | 16.00 | 0.35 | 3.16 | 0.68 | 30.72 | 0.73 | 0.15 | 3.14 | 0.02 | 11.50 | 1.79 | 1.39 | 0.35 | 101.03 | Mtx M2 37 | 390 | 63 |
| 48 | 30.91 | 0.11 | 15.65 | 0.40 | 4.52 | 0.82 | 29.69 | 0.95 | 0.30 | 3.12 | 0.01 | 11.42 | 1.84 | 1.45 | 0.41 | 101.60 | Mtx M2 38 | 435 | 48 |
| 49 | 31.17 | 0.08 | 15.70 | 0.41 | 3.30 | 1.15 | 29.87 | 0.74 | 0.18 | 3.19 | 0.02 | 11.71 | 1.92 | 1.56 | 0.51 | 101.52 | Mtx M2 39 | 426 | 58 |
| 50 | 31.02 | 0.14 | 14.18 | 0.46 | 6.15 | 1.61 | 27.87 | 1.15 | 0.41 | 2.94 | 0.01 | 11.13 | 1.81 | 1.53 | 0.61 | 101.02 | Mtx M2 40 | 430 | 37 |
| AH 77 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 30.31 | 0.05 | 15.53 | 0.27 | 1.83 | 1.60 | 31.71 | 0.65 | 0.10 | 3.24 | 0.07 | 11.74 | 1.69 | 1.29 | 0.58 | 100.66 | AH77-1 | 412 | 89 |
| 2 | 30.00 | 0.06 | 15.27 | 0.31 | 2.04 | 1.64 | 31.50 | 0.67 | 0.09 | 3.35 | 0.05 | 11.97 | 1.68 | 1.33 | 0.55 | 100.51 | AH77-2 | 435 | 81 |
| 3 | 30.05 | 0.04 | 15.84 | 0.26 | 1.85 | 1.57 | 31.75 | 0.65 | 0.09 | 3.27 | 0.07 | 11.67 | 1.59 | 1.27 | 0.48 | 100.46 | AH77-3 | 391 | 87 |
| 4 | 30.03 | 0.06 | 15.87 | 0.27 | 1.92 | 1.57 | 31.62 | 0.66 | 0.08 | 3.27 | 0.07 | 11.65 | 1.67 | 1.24 | 0.58 | 100.55 | AH77-4 | 478 | 91 |
| 5 | 30.23 | 0.05 | 15.74 | 0.27 | 1.99 | 1.61 | 31.74 | 0.70 | 0.08 | 3.32 | 0.08 | 11.73 | 1.66 | 1.25 | 0.56 | 101.01 | AH77-5 | 448 | 87 |
| 6 | 29.98 | 0.05 | 15.28 | 0.28 | 1.98 | 1.61 | 31.50 | 0.70 | 0.09 | 3.32 | 0.07 | 11.86 | 1.73 | 1.35 | 0.46 | 100.24 | AH77-6 | 383 | 83 |
| 7 | 29.96 | 0.06 | 14.98 | 0.31 | 1.97 | 1.75 | 31.27 | 0.70 | 0.09 | 3.35 | 0.08 | 12.09 | 1.80 | 1.37 | 0.62 | 100.40 | AH77-7 | 450 | 84 |
| 8 | 29.96 | 0.05 | 14.87 | 0.28 | 1.97 | 1.76 | 31.21 | 0.69 | 0.08 | 3.41 | 0.08 | 12.11 | 1.82 | 1.42 | 0.60 | 100.33 | AH77-8 | 446 | 84 |
| 9 | 29.76 | 0.06 | 14.21 | 0.32 | 2.19 | 1.93 | 30.88 | 0.73 | 0.10 | 3.32 | 0.07 | 12.50 | 1.89 | 1.48 | 0.62 | 100.06 | AH77-9 | 452 | 77 |
| 10 | 30.11 | 0.06 | 14.68 | 0.35 | 2.20 | 1.91 | 31.35 | 0.71 | 0.09 | 3.46 | 0.04 | 12.38 | 1.87 | 1.42 | 0.66 | 101.29 | AH77-10 | 427 | 74 |
| 11 | 29.86 | 0.07 | 14.41 | 0.32 | 2.82 | 1.68 | 30.80 | 0.52 | 0.15 | 3.29 | 0.04 | 12.89 | 1.97 | 1.54 | 0.64 | 100.99 | AH77-11 | 401 | 65 |
| 12 | 29.94 | 0.06 | 15.34 | 0.37 | 2.38 | 1.62 | 31.05 | 0.65 | 0.10 | 3.20 | 0.06 | 11.74 | 1.65 | 1.29 | 0.53 | 99.98 | AH77-12 | 397 | 68 |

| | | | | | | | | | | | | | | | | | | | |
|----|-------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|--------|---------|------------|-----------|
| 13 | 29.97 | 0.06 | 15.42 | 0.37 | 2.35 | 1.63 | 31.24 | 0.67 | 0.09 | 3.28 | 0.06 | 11.77 | 1.71 | 1.33 | 0.55 | 100.50 | AH77-13 | 408 | 71 |
| 14 | 30.05 | 0.07 | 15.56 | 0.33 | 2.42 | 1.62 | 31.02 | 0.75 | 0.09 | 3.22 | 0.07 | 11.64 | 1.66 | 1.31 | 0.54 | 100.34 | AH77-14 | 441 | 72 |
| 15 | 29.91 | 0.06 | 15.53 | 0.34 | 2.34 | 1.62 | 30.99 | 0.76 | 0.07 | 3.24 | 0.08 | 11.60 | 1.69 | 1.36 | 0.52 | 100.11 | AH77-15 | 401 | 71 |
| 16 | 29.88 | 0.06 | 15.16 | 0.33 | 2.21 | 1.72 | 30.92 | 0.77 | 0.08 | 3.31 | 0.09 | 11.93 | 1.71 | 1.31 | 0.66 | 100.14 | AH77-16 | 433 | 75 |
| 17 | 29.63 | 0.07 | 14.09 | 0.26 | 3.12 | 1.25 | 30.79 | 0.58 | 0.37 | 3.42 | 0.04 | 12.78 | 1.91 | 1.55 | 0.53 | 100.39 | AH77-17 | 391 | 65 |
| 18 | 29.74 | 0.09 | 13.66 | 0.49 | 3.18 | 1.92 | 30.06 | 0.74 | 0.19 | 3.32 | 0.05 | 12.51 | 1.89 | 1.57 | 0.66 | 100.06 | AH77-18 | 451 | 55 |
| 19 | 29.89 | 0.08 | 14.18 | 0.45 | 2.56 | 1.93 | 30.54 | 0.61 | 0.16 | 3.39 | 0.04 | 12.68 | 1.97 | 1.54 | 0.64 | 100.66 | AH77-19 | 450 | 63 |
| 20 | 29.70 | 0.08 | 13.83 | 0.50 | 2.66 | 1.92 | 30.09 | 0.55 | 0.21 | 3.40 | 0.03 | 12.49 | 2.08 | 1.61 | 0.69 | 99.84 | AH77-20 | 450 | 61 |
| 21 | 30.16 | 0.07 | 13.87 | 0.36 | 2.58 | 1.76 | 30.65 | 0.48 | 0.13 | 3.48 | 0.03 | 12.92 | 2.02 | 1.60 | 0.54 | 100.64 | AH77-21 | 419 | 67 |
| 22 | 29.87 | 0.09 | 14.39 | 0.42 | 3.72 | 1.80 | 29.72 | 0.76 | 0.21 | 3.20 | 0.05 | 11.96 | 1.90 | 1.48 | 0.86 | 100.42 | AH77-22 | 426 | 52 |
| 23 | 29.51 | 0.11 | 16.13 | 0.39 | 4.09 | 1.64 | 29.24 | 0.92 | 0.13 | 3.01 | 0.03 | 10.89 | 1.63 | 1.10 | 0.37 | 99.19 | AH77-23 | 471 | 51 |
| 24 | 29.73 | 0.08 | 15.35 | 0.39 | 3.32 | 1.62 | 30.14 | 0.84 | 0.10 | 3.20 | 0.06 | 11.34 | 1.72 | 1.42 | 0.55 | 99.86 | AH77-24 | 399 | 56 |
| 25 | 30.13 | 0.11 | 14.24 | 0.48 | 4.65 | 1.96 | 29.26 | 0.94 | 0.17 | 3.08 | 0.05 | 11.95 | 1.86 | 1.72 | 0.67 | 101.28 | AH77-25 | 402 | 43 |
| 26 | 29.93 | 0.10 | 14.84 | 0.40 | 3.80 | 1.75 | 29.80 | 0.91 | 0.14 | 3.16 | 0.06 | 11.63 | 1.78 | 1.56 | 0.58 | 100.43 | AH77-26 | 471 | 53 |
| 27 | 30.15 | 0.08 | 14.17 | 0.37 | 3.25 | 1.77 | 30.19 | 0.53 | 0.18 | 3.33 | 0.05 | 12.53 | 1.94 | 1.55 | 0.51 | 100.60 | AH77-27 | 432 | 58 |
| 28 | 30.09 | 0.08 | 15.62 | 0.36 | 3.49 | 1.56 | 30.44 | 0.88 | 0.14 | 3.15 | 0.04 | 11.65 | 1.71 | 1.37 | 0.52 | 101.10 | AH77-28 | 418 | 56 |
| 29 | 29.86 | 0.09 | 14.31 | 0.39 | 3.73 | 1.73 | 29.60 | 0.79 | 0.23 | 3.27 | 0.04 | 12.09 | 1.84 | 1.50 | 0.66 | 100.12 | AH77-29 | 427 | 53 |
| 30 | 29.92 | 0.07 | 13.75 | 0.41 | 2.77 | 1.84 | 30.41 | 0.58 | 0.28 | 3.43 | 0.03 | 12.82 | 2.05 | 1.62 | 0.68 | 100.66 | AH77-30 | 430 | 63 |
| 31 | 30.03 | 0.07 | 14.05 | 0.39 | 2.63 | 1.85 | 30.97 | 0.56 | 0.14 | 3.44 | 0.05 | 12.84 | 1.92 | 1.53 | 0.74 | 101.21 | AH77-31 | 414 | 65 |
| 32 | 29.72 | 0.06 | 15.09 | 0.32 | 2.24 | 1.56 | 31.10 | 0.71 | 0.18 | 3.30 | 0.07 | 11.78 | 1.70 | 1.27 | 0.51 | 99.61 | AH77-32 | 430 | 76 |
| 33 | 29.69 | 0.04 | 15.95 | 0.21 | 1.95 | 1.34 | 32.00 | 0.64 | 0.18 | 3.32 | 0.05 | 11.77 | 1.59 | 1.22 | 0.49 | 100.45 | AH77-33 | 361 | 89 |
| 34 | 29.94 | 0.04 | 16.30 | 0.20 | 1.84 | 1.35 | 32.57 | 0.67 | 0.17 | 3.29 | 0.06 | 11.70 | 1.54 | 1.14 | 0.49 | 101.30 | AH77-34 | 367 | 94 |
| 35 | 29.96 | 0.05 | 14.71 | 0.29 | 1.94 | 1.72 | 31.46 | 0.55 | 0.20 | 3.41 | 0.05 | 12.61 | 1.86 | 1.38 | 0.58 | 100.76 | AH77-35 | 438 | 86 |
| 36 | 29.97 | 0.06 | 15.23 | 0.29 | 2.82 | 1.44 | 31.04 | 0.75 | 0.14 | 3.18 | 0.06 | 11.59 | 1.63 | 1.19 | 0.47 | 99.86 | AH77-36 | 406 | 68 |
| 37 | 30.10 | 0.07 | 15.29 | 0.29 | 2.86 | 1.44 | 30.68 | 0.78 | 0.16 | 3.20 | 0.07 | 11.46 | 1.64 | 1.24 | 0.52 | 99.79 | AH77-37 | 426 | 68 |
| 38 | 29.32 | 0.11 | 13.66 | 0.44 | 4.37 | 1.91 | 28.30 | 0.90 | 0.64 | 3.06 | 0.05 | 11.50 | 1.85 | 1.56 | 0.60 | 98.28 | AH77-38 | 441 | 46 |
| 39 | 30.12 | 0.09 | 16.03 | 0.35 | 3.40 | 1.57 | 30.36 | 0.91 | 0.14 | 3.13 | 0.07 | 11.33 | 1.67 | 1.39 | 0.50 | 101.06 | AH77-39 | 443 | 59 |
| 40 | 29.70 | 0.10 | 14.86 | 0.35 | 4.32 | 1.64 | 28.92 | 0.87 | 0.27 | 3.06 | 0.05 | 11.47 | 1.76 | 1.45 | 0.62 | 99.45 | AH77-40 | 439 | 49 |
| 41 | 29.92 | 0.09 | 15.84 | 0.36 | 3.67 | 1.63 | 29.64 | 0.93 | 0.13 | 3.12 | 0.07 | 11.27 | 1.69 | 1.48 | 0.61 | 100.44 | AH77-41 | 422 | 55 |
| 42 | 29.71 | 0.12 | 15.09 | 0.40 | 5.12 | 1.70 | 28.32 | 0.89 | 0.22 | 3.01 | 0.04 | 11.98 | 1.83 | 1.57 | 0.56 | 100.57 | AH77-42 | 440 | 43 |
| 43 | 30.65 | 0.09 | 14.81 | 0.43 | 3.69 | 1.88 | 30.27 | 0.77 | 0.14 | 3.27 | 0.04 | 12.16 | 1.83 | 1.52 | 0.62 | 102.19 | AH77-43 | 435 | 53 |

| 44 | 29.14 | 0.06 | 14.84 | 0.29 | 2.37 | 1.41 | 30.82 | 0.67 | 0.34 | 3.16 | 0.04 | 11.54 | 1.65 | 1.26 | 0.49 | 98.08 | AH77-44 | 440 | 77 |
|--|-------|------|-------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|--------|----------|-----|-------|
| 45 | 29.52 | 0.05 | 14.72 | 0.34 | 2.15 | 1.74 | 30.82 | 0.70 | 0.31 | 3.30 | 0.05 | 12.03 | 1.79 | 1.37 | 0.61 | 99.50 | AH77-45 | 365 | 73 |
| 46 | 30.33 | 0.10 | 13.69 | 0.48 | 3.66 | 2.00 | 29.81 | 0.71 | 0.24 | 3.42 | 0.05 | 12.54 | 2.08 | 1.66 | 0.69 | 101.46 | AH77-46 | 465 | 52 |
| 47 | 29.99 | 0.09 | 13.94 | 0.43 | 3.46 | 1.90 | 29.80 | 0.72 | 0.32 | 3.29 | 0.05 | 12.52 | 1.98 | 1.55 | 0.65 | 100.69 | AH77-47 | 432 | 54 |
| 48 | 30.24 | 0.09 | 14.08 | 0.45 | 2.99 | 1.98 | 30.45 | 0.66 | 0.11 | 3.37 | 0.05 | 12.51 | 1.92 | 1.60 | 0.65 | 101.15 | AH77-48 | 483 | 60 |
| 49 | 30.57 | 0.07 | 14.37 | 0.27 | 2.60 | 1.66 | 30.41 | 0.46 | 0.19 | 3.29 | 0.04 | 12.33 | 1.82 | 1.44 | 0.57 | 100.08 | AH77-49 | 441 | 73 |
| 50 | 30.55 | 0.09 | 14.20 | 0.43 | 3.69 | 1.86 | 29.75 | 0.74 | 0.15 | 3.25 | 0.06 | 12.06 | 1.86 | 1.49 | 0.63 | 100.82 | AH77-50 | 434 | 52 |
| 51 | 29.85 | 0.04 | 16.25 | 0.23 | 1.84 | 1.36 | 32.73 | 0.63 | 0.18 | 3.46 | 0.05 | 11.76 | 1.61 | 1.17 | 0.48 | 101.64 | AH77-51 | 374 | 92 |
| 52 | 29.72 | 0.08 | 15.40 | 0.31 | 3.19 | 1.54 | 30.41 | 0.74 | 0.14 | 3.18 | 0.05 | 11.45 | 1.63 | 1.31 | 0.48 | 99.64 | AH77-52 | 423 | 61 |
| AH 46 (Monazite grains in Staurolites) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 30.13 | 0.16 | 14.40 | 0.36 | 7.72 | 0.24 | 27.94 | 1.27 | 0.53 | 3.11 | 0.01 | 11.33 | 1.83 | 1.51 | 0.22 | 100.77 | St M1 1 | 437 | 30 |
| 2 | 30.16 | 0.16 | 14.17 | 0.34 | 7.83 | 0.26 | 28.06 | 1.26 | 0.49 | 3.09 | 0.01 | 11.44 | 1.85 | 1.53 | 0.18 | 100.82 | St M1 2 | 417 | 30 |
| 3 | 30.20 | 0.17 | 14.43 | 0.35 | 7.89 | 0.26 | 28.07 | 1.27 | 0.48 | 3.06 | 0.01 | 11.29 | 1.88 | 1.50 | 0.21 | 101.07 | St M1 3 | 437 | 30 |
| 4 | 30.13 | 0.14 | 14.91 | 0.33 | 6.88 | 0.23 | 28.72 | 1.12 | 0.42 | 3.21 | 0.01 | 11.39 | 1.86 | 1.52 | 0.22 | 101.09 | St M1 4 | 414 | 33 |
| 5 | 30.39 | 0.16 | 14.49 | 0.34 | 7.61 | 0.24 | 28.19 | 1.17 | 0.64 | 3.03 | 0.01 | 11.34 | 1.85 | 1.48 | 0.21 | 101.15 | St M1 5 | 432 | 31 |
| 6 | 30.14 | 0.18 | 14.36 | 0.35 | 8.40 | 0.24 | 27.98 | 1.31 | 0.55 | 3.00 | 0.01 | 11.29 | 1.82 | 1.49 | 0.18 | 101.30 | St M1 6 | 440 | 28 |
| 7 | 30.14 | 0.16 | 14.22 | 0.37 | 8.22 | 0.27 | 27.74 | 1.34 | 0.47 | 3.06 | 0.01 | 11.30 | 1.91 | 1.52 | 0.20 | 100.93 | St M1 7 | 410 | 28 |
| 8 | 30.15 | 0.15 | 14.42 | 0.33 | 7.26 | 0.23 | 28.05 | 1.13 | 1.74 | 3.09 | 0.01 | 11.40 | 1.82 | 1.56 | 0.17 | 101.51 | St M1 8 | 425 | 32 |
| 9 | 30.24 | 0.13 | 14.67 | 0.32 | 6.47 | 0.23 | 28.91 | 1.06 | 0.40 | 3.17 | 0.01 | 11.73 | 1.91 | 1.54 | 0.24 | 101.02 | St M1 9 | 416 | 35 |
| 10 | 30.39 | 0.10 | 15.45 | 0.32 | 4.40 | 0.30 | 30.07 | 0.75 | 0.25 | 3.30 | 0.01 | 12.11 | 1.94 | 1.61 | 0.26 | 101.26 | St M1 10 | 434 | 46 |
| 11 | 30.03 | 0.12 | 14.79 | 0.32 | 6.13 | 0.24 | 29.01 | 0.98 | 0.45 | 3.20 | 0.00 | 11.75 | 1.91 | 1.61 | 0.21 | 100.74 | St M1 11 | 390 | 36 |
| 12 | 29.74 | 0.15 | 14.25 | 0.33 | 7.23 | 0.29 | 28.23 | 1.14 | 0.60 | 3.12 | 0.01 | 11.25 | 1.83 | 1.60 | 0.28 | 100.04 | St M2 1 | 420 | 32 |
| 13 | 29.88 | 0.16 | 14.47 | 0.34 | 7.66 | 0.28 | 28.34 | 1.19 | 0.62 | 3.16 | 0.01 | 11.44 | 1.86 | 1.54 | 0.18 | 101.13 | St M2 2 | 422 | 30 |
| 14 | 29.78 | 0.15 | 14.73 | 0.31 | 7.27 | 0.35 | 28.41 | 1.11 | 0.56 | 3.02 | 0.03 | 11.05 | 1.69 | 1.49 | 0.23 | 100.19 | St M2 3 | 437 | 32 |
| 15 | 28.97 | 0.18 | 14.15 | 0.35 | 8.91 | 0.47 | 27.19 | 1.31 | 0.60 | 2.89 | 0.02 | 10.60 | 1.72 | 1.71 | 0.28 | 99.35 | St M2 4 | 421 | 26 |
| 16 | 29.56 | 0.15 | 14.12 | 0.30 | 6.68 | 1.02 | 27.20 | 1.01 | 1.03 | 2.92 | 0.04 | 10.99 | 1.71 | 1.57 | 0.38 | 98.68 | St M2 5 | 447 | 34 |
| 17 | 30.38 | 0.13 | 14.52 | 0.29 | 6.06 | 0.28 | 28.89 | 0.99 | 0.95 | 3.16 | 0.00 | 11.54 | 1.89 | 1.59 | 0.17 | 100.84 | St M3 1 | 438 | 37 |
| 18 | 28.36 | 0.16 | 13.61 | 0.34 | 7.70 | 0.35 | 26.56 | 1.83 | 2.94 | 2.85 | 0.01 | 10.50 | 1.72 | 1.48 | 0.19 | 98.59 | St M3 2 | 416 | 30 |
| 19 | 29.27 | 0.13 | 14.48 | 0.31 | 6.36 | 0.26 | 28.73 | 1.04 | 0.48 | 3.13 | 0.01 | 11.47 | 1.84 | 1.49 | 0.20 | 99.20 | St M4 1 | 420 | 35 |
| 20 | 29.39 | 0.11 | 14.80 | 0.31 | 5.32 | 0.26 | 28.95 | 0.92 | 1.52 | 3.14 | 0.01 | 11.66 | 1.89 | 1.56 | 0.29 | 100.13 | St M4 2 | 402 | 40 |

| | | | | | | | | | | | | | | | | | | | |
|--|-------------|------------|--------------|------------|-------------|-------------|--------------|------------|-------------|--------------|------------|--------------|--------------|--------------|--------------|--------------|----------------|------------|--------------|
| 21 | 30.47 | 0.12 | 14.68 | 0.30 | 6.04 | 0.32 | 29.04 | 1.04 | 0.44 | 3.21 | 0.01 | 11.63 | 1.90 | 1.64 | 0.23 | 101.07 | St M5 1 | 411 | 37 |
| 22 | 31.02 | 0.14 | 14.93 | 0.29 | 6.12 | 0.34 | 29.44 | 1.05 | 0.42 | 3.23 | 0.01 | 11.77 | 1.88 | 1.62 | 0.25 | 102.50 | St M5 2 | 457 | 37 |
| 23 | 29.99 | 0.13 | 14.79 | 0.29 | 6.26 | 0.29 | 29.04 | 1.06 | 0.38 | 3.19 | 0.01 | 11.74 | 1.86 | 1.60 | 0.22 | 100.87 | St M5 3 | 424 | 36 |
| 24 | 30.61 | 0.16 | 14.36 | 0.33 | 7.15 | 0.33 | 28.28 | 1.21 | 0.49 | 3.15 | 0.01 | 11.47 | 1.91 | 1.63 | 0.28 | 101.36 | St M5 4 | 446 | 33 |
| 25 | 29.79 | 0.08 | 15.25 | 0.32 | 4.01 | 0.26 | 29.73 | 0.73 | 2.13 | 3.27 | 0.01 | 12.24 | 2.05 | 1.70 | 0.23 | 101.81 | St M5 5 | 387 | 49 |
| 26 | 31.04 | 0.16 | 14.58 | 0.34 | 7.33 | 0.31 | 27.99 | 1.23 | 0.49 | 3.04 | 0.01 | 11.33 | 1.87 | 1.55 | 0.25 | 101.51 | St M6 1 | 437 | 32 |
| 27 | 30.48 | 0.15 | 14.55 | 0.35 | 7.06 | 0.32 | 28.48 | 1.09 | 0.46 | 3.15 | 0.01 | 11.63 | 1.90 | 1.52 | 0.28 | 101.44 | St M6 2 | 425 | 32 |
| 28 | 28.91 | 0.16 | 13.72 | 0.34 | 8.06 | 0.27 | 27.30 | 1.26 | 0.77 | 3.02 | 0.01 | 11.04 | 1.82 | 1.47 | 0.21 | 98.36 | St M6 3 | 404 | 28 |
| 29 | 30.35 | 0.14 | 13.81 | 0.32 | 7.38 | 0.28 | 27.71 | 1.19 | 0.61 | 2.98 | 0.02 | 11.30 | 1.85 | 1.55 | 0.19 | 99.68 | St M6 4 | 398 | 31 |
| 30 | 30.02 | 0.15 | 14.55 | 0.34 | 7.06 | 0.28 | 28.38 | 1.12 | 0.43 | 3.15 | 0.01 | 11.35 | 1.83 | 1.57 | 0.21 | 100.44 | St M7 1 | 430 | 32 |
| 31 | 30.50 | 0.13 | 14.57 | 0.30 | 6.48 | 0.26 | 28.84 | 1.08 | 0.41 | 3.18 | 0.01 | 11.67 | 1.88 | 1.55 | 0.22 | 101.08 | St M7 2 | 427 | 35 |
| 32 | 30.36 | 0.18 | 14.03 | 0.38 | 8.43 | 0.30 | 27.83 | 1.36 | 0.50 | 3.16 | 0.02 | 11.30 | 1.85 | 1.52 | 0.23 | 101.44 | St M7 3 | 429 | 28 |
| 33 | 30.30 | 0.15 | 14.26 | 0.33 | 7.57 | 0.29 | 28.41 | 1.23 | 0.49 | 3.08 | 0.02 | 11.47 | 1.86 | 1.56 | 0.24 | 101.25 | St M7 4 | 415 | 30 |
| 35 | 30.21 | 0.16 | 14.32 | 0.37 | 8.49 | 0.29 | 27.62 | 1.35 | 0.52 | 2.99 | 0.02 | 10.92 | 1.74 | 1.48 | 0.24 | 100.72 | St M7 5 | 399 | 27 |
| 36 | 29.79 | 0.14 | 14.30 | 0.33 | 7.21 | 0.26 | 28.54 | 1.13 | 0.48 | 3.15 | 0.01 | 11.77 | 1.93 | 1.57 | 0.19 | 100.80 | St M8 1 | 404 | 31 |
| 37 | 29.81 | 0.19 | 13.82 | 0.39 | 8.93 | 0.32 | 27.45 | 1.60 | 0.56 | 3.05 | 0.01 | 11.09 | 1.81 | 1.64 | 0.30 | 100.96 | St M8 2 | 429 | 27 |
| 38 | 30.83 | 0.14 | 14.50 | 0.32 | 6.42 | 0.25 | 28.77 | 1.16 | 0.50 | 3.16 | 0.00 | 11.63 | 1.92 | 1.55 | 0.24 | 101.38 | St M8 3 | 436 | 36 |
| 39 | 30.86 | 0.10 | 15.47 | 0.30 | 4.40 | 0.27 | 30.23 | 0.87 | 0.26 | 3.27 | 0.01 | 11.88 | 1.98 | 1.58 | 0.28 | 101.76 | St M8 4 | 448 | 48 |
| 40 | 29.80 | 0.15 | 14.44 | 0.33 | 7.25 | 0.26 | 28.58 | 1.25 | 0.48 | 3.18 | 0.02 | 11.56 | 1.88 | 1.55 | 0.23 | 100.96 | St M8 5 | 437 | 32 |
| 42 | 30.08 | 0.11 | 14.97 | 0.29 | 5.55 | 0.25 | 29.38 | 0.98 | 0.43 | 3.29 | 0.01 | 12.05 | 1.95 | 1.57 | 0.27 | 101.18 | St M8 6 | 412 | 40 |
| 43 | 30.40 | 0.15 | 14.13 | 0.31 | 7.26 | 0.29 | 27.85 | 1.31 | 0.67 | 3.03 | 0.01 | 11.31 | 1.79 | 1.49 | 0.27 | 100.26 | St M8 7 | 431 | 32 |
| 44 | 30.34 | 0.17 | 14.60 | 0.37 | 7.81 | 0.25 | 28.34 | 1.38 | 0.53 | 3.02 | 0.01 | 11.26 | 1.77 | 1.41 | 0.22 | 101.47 | St M9 1 | 433 | 30 |
| 45 | 30.62 | 0.12 | 14.76 | 0.34 | 5.26 | 0.25 | 29.44 | 1.00 | 0.31 | 3.25 | 0.01 | 12.03 | 1.96 | 1.55 | 0.24 | 101.15 | St M9 2 | 450 | 41 |
| 46 | 30.15 | 0.18 | 14.07 | 0.35 | 8.62 | 0.28 | 27.69 | 1.50 | 0.58 | 3.03 | 0.01 | 11.15 | 1.78 | 1.46 | 0.18 | 101.03 | St M9 3 | 430 | 28 |
| 47 | 30.55 | 0.12 | 14.90 | 0.31 | 5.82 | 0.24 | 29.10 | 1.10 | 0.35 | 3.24 | 0.01 | 11.75 | 1.85 | 1.52 | 0.24 | 101.10 | St M9 4 | 422 | 38 |
| AH 143 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | Error |
| 1 | 30.71 | 0.10 | 14.12 | 0.37 | 3.77 | 1.64 | 29.39 | 0.66 | 0.28 | 3.27 | 0.04 | 11.71 | 1.83 | 1.67 | 0.62 | 100.18 | Mtx M1 1 | 458 | 49 |
| 2 | 30.77 | 0.10 | 14.25 | 0.39 | 3.91 | 1.71 | 29.42 | 0.69 | 0.25 | 3.18 | 0.04 | 11.68 | 1.90 | 1.63 | 0.66 | 100.58 | Mtx M1 2 | 469 | 48 |
| 3 | 30.58 | 0.12 | 13.98 | 0.43 | 4.80 | 1.76 | 28.79 | 0.80 | 0.27 | 3.17 | 0.04 | 11.56 | 1.82 | 1.61 | 0.58 | 100.31 | Mtx M1 3 | 457 | 40 |
| 4 | 30.25 | 0.11 | 14.29 | 0.43 | 4.20 | 1.71 | 29.04 | 0.73 | 0.23 | 3.19 | 0.05 | 11.49 | 1.83 | 1.61 | 0.67 | 99.83 | Mtx M1 4 | 461 | 44 |

| 5 | 30.59 | 0.10 | 14.15 | 0.46 | 3.87 | 1.63 | 29.19 | 0.71 | 0.24 | 3.24 | 0.03 | 11.60 | 1.88 | 1.61 | 0.61 | 99.92 | Mtx M1 5 | 453 | 46 |
|--|-------|------|-------|------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|--------|-----------|-----|-------|
| 6 | 30.35 | 0.12 | 14.68 | 0.44 | 4.58 | 1.66 | 29.06 | 0.78 | 0.24 | 3.00 | 0.05 | 11.18 | 1.73 | 1.49 | 0.51 | 99.87 | Mtx M1 6 | 468 | 42 |
| 7 | 30.43 | 0.12 | 13.92 | 0.45 | 4.88 | 1.81 | 28.29 | 0.83 | 0.28 | 3.10 | 0.05 | 11.52 | 1.85 | 1.58 | 0.62 | 99.73 | Mtx M1 7 | 454 | 39 |
| 8 | 30.35 | 0.09 | 14.24 | 0.39 | 3.51 | 1.66 | 29.30 | 0.61 | 0.26 | 3.20 | 0.03 | 11.72 | 1.88 | 1.59 | 0.54 | 99.38 | Mtx M1 8 | 456 | 51 |
| 9 | 30.56 | 0.14 | 13.30 | 0.49 | 6.03 | 1.95 | 27.80 | 0.99 | 0.38 | 3.06 | 0.05 | 11.32 | 1.85 | 1.72 | 0.67 | 100.31 | Mtx M1 9 | 424 | 33 |
| 10 | 30.58 | 0.15 | 13.40 | 0.57 | 6.23 | 2.07 | 27.48 | 1.18 | 0.34 | 3.02 | 0.04 | 11.01 | 1.79 | 1.71 | 0.70 | 100.28 | Mtx M1 10 | 446 | 32 |
| 11 | 30.07 | 0.12 | 13.84 | 0.46 | 4.53 | 1.75 | 28.70 | 0.91 | 0.45 | 3.09 | 0.05 | 11.27 | 1.80 | 1.59 | 0.60 | 99.23 | Mtx M1 11 | 474 | 42 |
| AH 137 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | Error |
| 1 | 30.10 | 0.18 | 13.11 | 0.38 | 8.90 | 1.52 | 26.78 | 1.10 | 0.67 | 2.77 | 0.01 | 10.29 | 1.68 | 1.48 | 0.61 | 99.58 | Mtx M1 1 | 414 | 26 |
| 2 | 30.16 | 0.18 | 12.93 | 0.37 | 8.25 | 1.60 | 26.88 | 1.06 | 0.57 | 2.90 | 0.02 | 10.59 | 1.73 | 1.58 | 0.58 | 99.39 | Mtx M1 2 | 442 | 28 |
| 3 | 30.17 | 0.17 | 13.47 | 0.37 | 7.89 | 1.50 | 27.25 | 1.03 | 0.56 | 2.95 | 0.02 | 10.70 | 1.75 | 1.57 | 0.51 | 99.90 | Mtx M1 3 | 430 | 29 |
| 4 | 30.21 | 0.14 | 13.78 | 0.31 | 7.41 | 1.40 | 27.95 | 0.92 | 0.54 | 2.98 | 0.01 | 10.60 | 1.66 | 1.37 | 0.51 | 99.78 | Mtx M1 4 | 403 | 31 |
| 5 | 30.01 | 0.19 | 13.15 | 0.41 | 9.24 | 1.56 | 26.49 | 1.29 | 0.70 | 2.86 | 0.01 | 10.16 | 1.65 | 1.48 | 0.54 | 99.73 | Mtx M1 5 | 421 | 26 |
| 6 | 30.10 | 0.18 | 12.79 | 0.41 | 8.97 | 1.62 | 26.36 | 1.29 | 0.65 | 2.80 | 0.02 | 10.43 | 1.74 | 1.53 | 0.63 | 99.52 | Mtx M1 6 | 422 | 26 |
| 7 | 29.79 | 0.18 | 13.03 | 0.39 | 8.67 | 1.52 | 26.70 | 1.20 | 0.89 | 2.73 | 0.00 | 10.29 | 1.74 | 1.57 | 0.54 | 99.24 | Mtx M1 7 | 425 | 27 |
| AH 145 (Monazite grain in the Matrix) | | | | | | | | | | | | | | | | | | | |
| No. | P2O5 | PbO | La2O3 | UO2 | ThO2 | Y2O3 | Ce2O3 | CaO | SiO2 | Pr2O3 | SO3 | Nd2O3 | Sm2O3 | Gd2O3 | Dy2O3 | Total | Comment | Age | error |
| 1 | 31.05 | 0.12 | 14.40 | 0.48 | 5.19 | 1.75 | 27.17 | 0.68 | 0.97 | 2.95 | 0.00 | 11.45 | 1.89 | 1.57 | 0.58 | 100.26 | Mtx M1 1 | 413 | 40 |
| 2 | 31.54 | 0.15 | 13.95 | 0.58 | 6.63 | 1.93 | 26.46 | 0.86 | 0.34 | 3.01 | 0.01 | 11.22 | 1.93 | 1.70 | 0.65 | 100.95 | Mtx M1 2 | 415 | 33 |
| 3 | 31.56 | 0.15 | 14.13 | 0.58 | 6.27 | 1.93 | 26.57 | 0.83 | 0.31 | 2.93 | 0.01 | 11.37 | 1.88 | 1.72 | 0.67 | 100.90 | Mtx M1 3 | 427 | 35 |
| 4 | 31.48 | 0.15 | 14.03 | 0.62 | 6.82 | 1.92 | 26.25 | 0.88 | 0.34 | 2.93 | 0.01 | 11.17 | 1.90 | 1.74 | 0.69 | 100.93 | Mtx M1 4 | 405 | 32 |
| 5 | 31.60 | 0.09 | 15.09 | 0.36 | 3.98 | 1.59 | 28.52 | 0.53 | 0.18 | 3.11 | 0.01 | 11.84 | 1.86 | 1.64 | 0.56 | 100.96 | Mtx M1 5 | 405 | 51 |
| 6 | 31.01 | 0.17 | 14.04 | 0.67 | 7.13 | 2.04 | 26.08 | 0.93 | 0.35 | 2.85 | 0.01 | 11.21 | 1.91 | 1.77 | 0.64 | 100.80 | Mtx M1 6 | 427 | 31 |
| 7 | 31.26 | 0.13 | 14.64 | 0.40 | 5.76 | 1.53 | 27.43 | 0.72 | 0.33 | 3.01 | 0.01 | 11.60 | 1.84 | 1.58 | 0.56 | 100.78 | Mtx M1 7 | 424 | 39 |
| 8 | 31.67 | 0.10 | 15.40 | 0.33 | 3.85 | 1.48 | 28.80 | 0.53 | 0.17 | 3.07 | 0.01 | 11.70 | 1.84 | 1.50 | 0.54 | 100.99 | Mtx M1 8 | 459 | 55 |
| 9 | 31.50 | 0.10 | 15.11 | 0.38 | 4.56 | 1.57 | 28.23 | 0.63 | 0.21 | 3.03 | 0.01 | 11.56 | 1.79 | 1.49 | 0.56 | 100.73 | Mtx M1 9 | 414 | 46 |
| 10 | 31.30 | 0.10 | 14.80 | 0.60 | 3.48 | 1.89 | 28.03 | 0.50 | 0.20 | 3.09 | 0.02 | 11.80 | 1.93 | 1.62 | 0.70 | 100.06 | Mtx M2 1 | 455 | 50 |
| 11 | 31.39 | 0.09 | 15.19 | 0.48 | 3.55 | 1.70 | 27.82 | 0.45 | 0.21 | 3.05 | 0.02 | 11.59 | 1.86 | 1.65 | 0.59 | 99.64 | Mtx M2 2 | 410 | 51 |
| 12 | 31.25 | 0.11 | 14.61 | 0.67 | 3.88 | 1.95 | 27.79 | 0.55 | 0.21 | 3.07 | 0.00 | 11.60 | 1.95 | 1.75 | 0.71 | 100.10 | Mtx M2 3 | 419 | 45 |

| | | | | | | | | | | | | | | | | | | | |
|----|-------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|--------|------------------|------------|-----------|
| 13 | 30.94 | 0.11 | 14.65 | 0.60 | 4.05 | 1.85 | 27.68 | 0.53 | 0.21 | 2.96 | 0.01 | 11.72 | 1.93 | 1.70 | 0.63 | 99.57 | Mtx M2 4 | 430 | 45 |
| 14 | 31.41 | 0.14 | 14.33 | 0.79 | 5.27 | 2.06 | 26.59 | 0.69 | 0.27 | 2.91 | 0.01 | 11.51 | 2.00 | 1.77 | 0.69 | 100.44 | Mtx M2 5 | 420 | 35 |
| 15 | 31.01 | 0.16 | 13.89 | 0.64 | 7.29 | 1.92 | 25.80 | 0.88 | 0.38 | 2.84 | 0.01 | 11.18 | 1.85 | 1.72 | 0.65 | 100.23 | Mtx M3 1 | 412 | 31 |
| 16 | 30.98 | 0.15 | 14.02 | 0.52 | 7.21 | 1.72 | 26.42 | 0.77 | 0.47 | 2.96 | 0.01 | 11.30 | 1.92 | 1.65 | 0.60 | 100.70 | Mtx M3 2 | 410 | 32 |
| 17 | 31.15 | 0.12 | 14.30 | 0.46 | 5.14 | 1.74 | 27.90 | 0.63 | 0.24 | 3.00 | 0.02 | 11.68 | 1.97 | 1.66 | 0.57 | 100.58 | Mtx M3 3 | 416 | 41 |
| 18 | 30.82 | 0.16 | 13.72 | 0.59 | 7.12 | 1.84 | 26.48 | 0.82 | 0.38 | 2.91 | 0.01 | 11.30 | 1.90 | 1.68 | 0.63 | 100.37 | Mtx M3 4 | 422 | 32 |
| 19 | 30.78 | 0.14 | 14.17 | 0.45 | 5.95 | 1.68 | 27.08 | 0.69 | 0.34 | 3.07 | 0.01 | 11.48 | 1.96 | 1.64 | 0.59 | 100.02 | Mtx M3 5 | 438 | 38 |
| 20 | 31.21 | 0.12 | 14.43 | 0.46 | 5.30 | 1.72 | 27.59 | 0.61 | 0.29 | 3.15 | 0.01 | 11.36 | 1.96 | 1.59 | 0.59 | 100.38 | Mtx M3 6 | 405 | 40 |
| 21 | 30.96 | 0.14 | 14.37 | 0.44 | 5.64 | 1.66 | 27.66 | 0.66 | 0.33 | 3.02 | 0.01 | 11.50 | 1.92 | 1.63 | 0.59 | 100.53 | Mtx M3 7 | 461 | 40 |
| 22 | 31.06 | 0.13 | 14.31 | 0.49 | 5.64 | 1.77 | 27.56 | 0.68 | 0.28 | 3.05 | 0.00 | 11.39 | 1.89 | 1.64 | 0.60 | 100.51 | Mtx M3 8 | 433 | 39 |
| 23 | 30.94 | 0.12 | 14.61 | 0.44 | 4.93 | 1.67 | 27.90 | 0.60 | 0.27 | 3.12 | 0.00 | 11.77 | 1.88 | 1.61 | 0.52 | 100.39 | Mtx M3 9 | 442 | 43 |
| 24 | 30.63 | 0.12 | 14.47 | 0.41 | 4.84 | 1.66 | 27.66 | 0.59 | 0.26 | 3.08 | 0.00 | 11.41 | 1.88 | 1.60 | 0.61 | 99.23 | Mtx M3 10 | 449 | 44 |

Appendix-C

(Section-C)

| Sample | AH 120 | | | | |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|
| Mineral: | Garnet | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 38.11 | 38.11 | 37.87 | 38.23 | 38.06 |
| TiO ₂ | 0.05 | 0.00 | 0.03 | 0.05 | 0.04 |
| Al ₂ O ₃ | 21.49 | 21.43 | 21.22 | 21.50 | 21.51 |
| FeO | 28.82 | 29.53 | 29.59 | 29.25 | 29.67 |
| MnO | 8.18 | 7.48 | 7.41 | 7.48 | 7.81 |
| MgO | 2.90 | 3.17 | 3.33 | 3.11 | 2.94 |
| CaO | 2.83 | 2.41 | 2.08 | 2.21 | 1.95 |
| Na ₂ O | 0.04 | 0.03 | 0.03 | 0.00 | 0.00 |
| K ₂ O | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 |
| Total | 101.43 | 101.16 | 101.56 | 101.85 | 102.00 |
| Oxygen | | | 12 | | |
| Si | 2.99 | 3.00 | 3.00 | 3.01 | 3.00 |
| Ti | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al | 1.99 | 1.99 | 1.98 | 2.00 | 2.00 |
| Fe | 1.89 | 1.94 | 1.96 | 1.93 | 1.96 |
| Mn | 0.54 | 0.50 | 0.50 | 0.50 | 0.52 |
| Mg | 0.34 | 0.37 | 0.39 | 0.37 | 0.35 |
| Ca | 0.24 | 0.20 | 0.18 | 0.19 | 0.16 |
| Na | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| K | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 8.01 | 8.01 | 8.01 | 7.99 | 8.00 |
| X_{Fe} | 0.63 | 0.64 | 0.65 | 0.65 | 0.65 |
| X_{Mn} | 0.18 | 0.17 | 0.16 | 0.17 | 0.17 |
| X_{Mg} | 0.11 | 0.12 | 0.13 | 0.12 | 0.12 |
| X_{ca} | 0.08 | 0.07 | 0.06 | 0.06 | 0.06 |

| Sample | AH 120 | | | | |
|--------------------------------|----------------|---------------|---------------|---------------|---------------|
| Mineral: | Biotite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 36.90 | 37.38 | 37.07 | 37.29 | 37.09 |
| TiO ₂ | 0.75 | 0.88 | 0.75 | 0.87 | 0.88 |
| Al ₂ O ₃ | 19.55 | 19.62 | 19.70 | 20.09 | 19.63 |
| FeO | 17.20 | 16.91 | 17.21 | 16.39 | 17.08 |
| MnO | 0.22 | 0.20 | 0.18 | 0.20 | 0.20 |
| MgO | 11.94 | 11.80 | 11.79 | 11.65 | 12.03 |
| CaO | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 |
| Na ₂ O | 0.42 | 0.39 | 0.39 | 0.34 | 0.42 |
| K ₂ O | 7.69 | 7.78 | 8.04 | 7.56 | 7.93 |
| Total | 94.69 | 94.98 | 95.12 | 94.43 | 95.27 |
| Oxygen | | | 22 | | |
| Si | 5.52 | 5.56 | 5.52 | 5.55 | 5.51 |
| Ti | 0.08 | 0.10 | 0.08 | 0.10 | 0.10 |
| Al | 3.44 | 3.44 | 3.46 | 3.52 | 3.44 |
| Fe | 2.15 | 2.10 | 2.14 | 2.04 | 2.12 |
| Mn | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 |
| Mg | 2.66 | 2.61 | 2.62 | 2.58 | 2.66 |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Na | 0.12 | 0.11 | 0.11 | 0.10 | 0.12 |
| K | 1.47 | 1.48 | 1.53 | 1.44 | 1.50 |
| Sum | 15.47 | 15.42 | 15.49 | 15.36 | 15.48 |
| Fe/Fe+Mg | 0.44 | 0.44 | 0.45 | 0.44 | 0.44 |
| Mg/Mg+Fe | 0.55 | 0.55 | 0.55 | 0.56 | 0.55 |

| Sample | | AH 120 | | | | |
|--------------------------------|---------------|-------------------|---------------|---------------|---------------|--|
| Mineral: | | Staurolite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 | |
| SiO ₂ | 27.40 | 27.57 | 27.65 | 27.68 | 27.57 | |
| TiO ₂ | 0.27 | 0.36 | 0.32 | 0.34 | 0.38 | |
| Al ₂ O ₃ | 52.37 | 53.24 | 52.76 | 53.03 | 52.62 | |
| FeO | 14.50 | 14.18 | 14.30 | 14.26 | 14.27 | |
| MnO | 0.53 | 0.51 | 0.53 | 0.51 | 0.50 | |
| MgO | 2.16 | 2.16 | 2.19 | 2.22 | 2.30 | |
| CaO | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | |
| Na ₂ O | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | |
| K ₂ O | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Total | 97.24 | 98.05 | 97.76 | 98.07 | 97.66 | |
| Oxygen | | | 46 | | | |
| Si | 7.70 | 7.67 | 7.72 | 7.70 | 7.71 | |
| Ti | 0.06 | 0.07 | 0.07 | 0.07 | 0.08 | |
| Al | 17.36 | 17.46 | 17.37 | 17.39 | 17.34 | |
| Fe | 3.41 | 3.30 | 3.34 | 3.32 | 3.34 | |
| Mn | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | |
| Mg | 0.91 | 0.90 | 0.91 | 0.92 | 0.96 | |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Na | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | |
| K | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Sum | 29.56 | 29.53 | 29.53 | 29.53 | 29.54 | |
| Fe/Fe+Mg | 0.77 | 0.76 | 0.76 | 0.76 | 0.76 | |

| Sample | | AH 120 | | | | |
|--------------------------------|---------------|------------------|---------------|---------------|---------------|--|
| Mineral: | | Muscovite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 | |
| SiO ₂ | 46.92 | 46.75 | 45.44 | 46.19 | 46.67 | |
| TiO ₂ | 0.17 | 0.22 | 0.19 | 0.21 | 0.22 | |
| Al ₂ O ₃ | 35.67 | 35.90 | 33.99 | 35.48 | 36.31 | |
| FeO | 2.24 | 2.33 | 2.29 | 2.58 | 2.34 | |
| MnO | 0.01 | 0.01 | 0.00 | 0.02 | 0.00 | |
| MgO | 0.68 | 0.58 | 0.64 | 0.71 | 0.55 | |
| CaO | 0.01 | 0.01 | 0.03 | 0.01 | 0.01 | |
| Na ₂ O | 0.80 | 1.05 | 1.01 | 0.98 | 0.97 | |
| K ₂ O | 7.42 | 7.65 | 8.31 | 7.47 | 6.95 | |
| Total | 93.93 | 94.49 | 91.91 | 93.65 | 94.01 | |
| Oxygen | | | 22 | | | |
| Si | 6.23 | 6.19 | 6.23 | 6.18 | 6.18 | |
| Ti | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| Al | 5.59 | 5.61 | 5.49 | 5.60 | 5.67 | |
| Fe | 0.25 | 0.26 | 0.26 | 0.29 | 0.26 | |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mg | 0.13 | 0.11 | 0.13 | 0.14 | 0.11 | |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Na | 0.21 | 0.27 | 0.27 | 0.25 | 0.25 | |
| K | 1.26 | 1.29 | 1.45 | 1.28 | 1.17 | |
| Sum | 13.69 | 13.76 | 13.86 | 13.76 | 13.67 | |
| K/K+Na | 0.86 | 0.83 | 0.84 | 0.83 | 0.83 | |
| Na/K+Na | 0.14 | 0.17 | 0.16 | 0.17 | 0.17 | |

| Sample | AH 120 | | | | |
|--------------------------------|--------------------|---------------|---------------|---------------|---------------|
| Mineral: | Plagioclase | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 62.05 | 62.31 | 62.77 | 62.63 | 62.52 |
| TiO ₂ | 0.00 | 0.03 | 0.00 | 0.02 | 0.01 |
| Al ₂ O ₃ | 23.42 | 23.63 | 23.62 | 23.58 | 23.54 |
| FeO | 0.04 | 0.02 | 0.01 | 0.08 | 0.08 |
| MnO | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| MgO | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CaO | 4.63 | 4.39 | 4.67 | 4.64 | 4.71 |
| Na ₂ O | 7.09 | 7.07 | 6.63 | 7.46 | 7.81 |
| K ₂ O | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 |
| Total | 97.33 | 97.55 | 97.80 | 98.50 | 98.75 |
| Oxygen | 8 | | | | |
| Si | 2.80 | 2.80 | 2.81 | 2.79 | 2.79 |
| Ti | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al | 1.24 | 1.25 | 1.25 | 1.24 | 1.24 |
| Fe | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ca | 0.22 | 0.21 | 0.22 | 0.22 | 0.23 |
| Na | 0.62 | 0.62 | 0.58 | 0.65 | 0.68 |
| K | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| Sum | 4.89 | 4.88 | 4.86 | 4.91 | 4.93 |
| Ab (%) | 73.02 | 73.98 | 71.51 | 74.01 | 74.61 |
| An (%) | 26.35 | 25.39 | 27.84 | 25.44 | 24.86 |
| Or (%) | 0.62 | 0.63 | 0.65 | 0.55 | 0.53 |

| Sample | AH 146 | | | | |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|
| Mineral: | Garnet | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 38.03 | 38.21 | 37.97 | 37.76 | 38.32 |
| TiO ₂ | 0.02 | 0.02 | 0.05 | 0.00 | 0.00 |
| Al ₂ O ₃ | 21.36 | 21.42 | 21.36 | 21.38 | 21.45 |
| FeO | 27.10 | 27.02 | 27.17 | 27.44 | 27.49 |
| MnO | 8.63 | 8.95 | 8.60 | 8.43 | 8.48 |
| MgO | 2.56 | 2.66 | 2.78 | 2.83 | 2.82 |
| CaO | 4.17 | 4.01 | 3.87 | 3.89 | 3.58 |
| Na ₂ O | 0.01 | 0.01 | 0.07 | 0.05 | 0.02 |
| K ₂ O | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| Total | 101.90 | 102.30 | 101.87 | 101.78 | 102.17 |
| Oxygen | | | 12 | | |
| Si | 3.00 | 3.00 | 2.99 | 2.98 | 3.01 |
| Ti | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al | 1.99 | 1.98 | 1.99 | 1.99 | 1.99 |
| Fe | 1.79 | 1.77 | 1.79 | 1.81 | 1.81 |
| Mn | 0.58 | 0.60 | 0.57 | 0.56 | 0.56 |
| Mg | 0.30 | 0.31 | 0.33 | 0.33 | 0.33 |
| Ca | 0.35 | 0.34 | 0.33 | 0.33 | 0.30 |
| Na | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 |
| K | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 8.01 | 8.01 | 8.01 | 8.02 | 8.00 |
| X_{Fe} | 0.59 | 0.59 | 0.59 | 0.60 | 0.60 |
| X_{Mn} | 0.19 | 0.20 | 0.19 | 0.19 | 0.19 |
| X_{Mg} | 0.10 | 0.10 | 0.11 | 0.11 | 0.11 |
| X_{ca} | 0.12 | 0.11 | 0.11 | 0.11 | 0.10 |

| Sample | AH 146 | | | | |
|--------------------------------|----------------|---------------|---------------|---------------|---------------|
| Mineral: | Biotite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 36.25 | 36.30 | 36.31 | 36.34 | 36.07 |
| TiO ₂ | 0.91 | 1.03 | 1.20 | 0.97 | 0.99 |
| Al ₂ O ₃ | 18.51 | 18.88 | 18.65 | 18.90 | 18.82 |
| FeO | 18.06 | 17.56 | 17.99 | 17.53 | 18.34 |
| MnO | 0.23 | 0.19 | 0.15 | 0.17 | 0.19 |
| MgO | 11.65 | 11.37 | 11.54 | 11.86 | 11.56 |
| CaO | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Na ₂ O | 0.32 | 0.29 | 0.30 | 0.28 | 0.25 |
| K ₂ O | 9.11 | 9.37 | 9.20 | 9.08 | 9.28 |
| Total | 95.03 | 94.98 | 95.35 | 95.15 | 95.51 |
| Oxygen | | | 22 | | |
| Si | 5.49 | 5.49 | 5.47 | 5.47 | 5.44 |
| Ti | 0.10 | 0.12 | 0.14 | 0.11 | 0.11 |
| Al | 3.30 | 3.36 | 3.31 | 3.35 | 3.35 |
| Fe | 2.29 | 2.22 | 2.27 | 2.21 | 2.31 |
| Mn | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 |
| Mg | 2.63 | 2.56 | 2.59 | 2.66 | 2.60 |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Na | 0.09 | 0.08 | 0.09 | 0.08 | 0.07 |
| K | 1.76 | 1.81 | 1.77 | 1.74 | 1.79 |
| Sum | 15.69 | 15.66 | 15.66 | 15.65 | 15.70 |
| Fe/Fe+Mg | 0.47 | 0.46 | 0.47 | 0.45 | 0.47 |
| Mg/Mg+Fe | 0.53 | 0.54 | 0.53 | 0.55 | 0.53 |

| Sample | AH 146 | | | | |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|
| Mineral: | Staurolite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 27.43 | 27.04 | 27.55 | 27.69 | 27.75 |
| TiO ₂ | 0.34 | 0.42 | 0.34 | 0.36 | 0.37 |
| Al ₂ O ₃ | 53.82 | 53.87 | 53.61 | 53.30 | 53.37 |
| FeO | 14.65 | 14.67 | 14.31 | 14.76 | 14.29 |
| MnO | 0.60 | 0.56 | 0.60 | 0.60 | 0.51 |
| MgO | 2.22 | 2.20 | 2.14 | 2.37 | 2.27 |
| CaO | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 |
| Na ₂ O | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| K ₂ O | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 |
| Total | 99.09 | 98.76 | 98.57 | 99.10 | 98.59 |
| Oxygen | | | 46 | | |
| Si | 7.57 | 7.49 | 7.63 | 7.65 | 7.68 |
| Ti | 0.07 | 0.09 | 0.07 | 0.07 | 0.08 |
| Al | 17.51 | 17.60 | 17.50 | 17.35 | 17.41 |
| Fe | 3.38 | 3.40 | 3.31 | 3.41 | 3.31 |
| Mn | 0.14 | 0.13 | 0.14 | 0.14 | 0.12 |
| Mg | 0.91 | 0.91 | 0.88 | 0.98 | 0.94 |
| Ca | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Na | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| K | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 29.60 | 29.62 | 29.55 | 29.61 | 29.54 |
| Fe/Fe+Mg | 0.76 | 0.77 | 0.76 | 0.75 | 0.76 |

| Sample | AH 146 | | | | |
|--------------------------------|------------------|---------------|---------------|---------------|---------------|
| Mineral: | Muscovite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 46.19 | 45.93 | 46.17 | 46.57 | 45.62 |
| TiO ₂ | 0.25 | 0.29 | 0.24 | 0.36 | 0.25 |
| Al ₂ O ₃ | 34.60 | 34.36 | 35.14 | 34.40 | 34.31 |
| FeO | 2.51 | 2.32 | 2.45 | 2.38 | 2.42 |
| MnO | 0.01 | 0.00 | 0.01 | 0.02 | 0.05 |
| MgO | 0.66 | 0.61 | 0.56 | 0.63 | 0.59 |
| CaO | 0.00 | 0.00 | 0.01 | 0.04 | 0.04 |
| Na ₂ O | 0.80 | 0.78 | 0.70 | 0.72 | 0.77 |
| K ₂ O | 7.74 | 7.60 | 7.61 | 7.77 | 8.49 |
| Total | 92.76 | 91.91 | 92.88 | 92.89 | 92.54 |
| Oxygen | | | 22 | | |
| Si | 6.24 | 6.26 | 6.22 | 6.28 | 6.22 |
| Ti | 0.03 | 0.03 | 0.02 | 0.04 | 0.03 |
| Al | 5.51 | 5.52 | 5.58 | 5.47 | 5.51 |
| Fe | 0.28 | 0.26 | 0.28 | 0.27 | 0.28 |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| Mg | 0.13 | 0.12 | 0.11 | 0.13 | 0.12 |
| Ca | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| Na | 0.21 | 0.21 | 0.18 | 0.19 | 0.20 |
| K | 1.33 | 1.32 | 1.31 | 1.34 | 1.48 |
| Sum | 13.75 | 13.72 | 13.71 | 13.71 | 13.84 |
| K/K+Na | 0.86 | 0.86 | 0.88 | 0.88 | 0.88 |
| Na/K+Na | 0.14 | 0.14 | 0.12 | 0.12 | 0.12 |

| Sample | AH 146 | | | | |
|--------------------------------|---------------|--------------|---------------|---------------|---------------|
| Mineral: | Plagioclase | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 60.85 | 58.43 | 59.96 | 57.71 | 57.54 |
| TiO ₂ | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 |
| Al ₂ O ₃ | 25.04 | 25.99 | 25.17 | 26.96 | 26.94 |
| FeO | 0.15 | 0.14 | 0.12 | 0.20 | 0.14 |
| MnO | 0.01 | 0.02 | 0.04 | 0.01 | 0.01 |
| MgO | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CaO | 6.57 | 7.92 | 7.02 | 8.92 | 9.01 |
| Na ₂ O | 7.80 | 7.35 | 8.03 | 6.98 | 6.85 |
| K ₂ O | 0.10 | 0.08 | 0.07 | 0.07 | 0.08 |
| Total | 100.51 | 99.93 | 100.40 | 100.90 | 100.58 |
| Oxygen | | | 8 | | |
| Si | 2.69 | 2.62 | 2.67 | 2.57 | 2.57 |
| Ti | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al | 1.31 | 1.37 | 1.32 | 1.41 | 1.42 |
| Fe | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ca | 0.31 | 0.38 | 0.33 | 0.43 | 0.43 |
| Na | 0.67 | 0.64 | 0.69 | 0.60 | 0.59 |
| K | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 4.99 | 5.02 | 5.02 | 5.03 | 5.02 |
| Ab (%) | 67.85 | 62.41 | 67.18 | 58.39 | 57.65 |
| An (%) | 31.58 | 37.17 | 32.46 | 41.24 | 41.90 |
| Or (%) | 0.56 | 0.42 | 0.36 | 0.37 | 0.45 |

| Sample | AH 105 | | | | |
|--------------------------------|---------------|----------------|----------------|----------------|----------------|
| Mineral: | Garnet | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 37.72 | 37.68 | 37.63 | 37.54 | 37.58 |
| TiO ₂ | 0.0574 | 0.0503 | 0.0681 | 0.0431 | 0 |
| Al ₂ O ₃ | 21.91 | 21.58 | 21.75 | 21.46 | 21.72 |
| FeO | 29.56 | 29.57 | 29.64 | 28.61 | 29.45 |
| MnO | 6.91 | 6.82 | 7.15 | 7.14 | 7.63 |
| MgO | 2.94 | 2.89 | 2.87 | 2.74 | 2.63 |
| CaO | 2.54 | 2.75 | 2.58 | 3.2 | 2.66 |
| Na ₂ O | 0.0428 | 0.0049 | 0.0295 | 0.0194 | 0.0433 |
| K ₂ O | 0.0174 | 0.02 | 0 | 0.019 | 0.0246 |
| Total | 101.7 | 101.368 | 101.718 | 100.771 | 101.742 |
| Oxygen | | | 12 | | |
| Si | 2.978 | 2.987 | 2.976 | 2.991 | 2.977 |
| Ti | 0.003 | 0.003 | 0.004 | 0.003 | 0.000 |
| Al | 2.039 | 2.017 | 2.028 | 2.016 | 2.028 |
| Fe | 1.95 | 1.96 | 1.96 | 1.91 | 1.95 |
| Mn | 0.46 | 0.46 | 0.48 | 0.48 | 0.51 |
| Mg | 0.35 | 0.34 | 0.34 | 0.33 | 0.31 |
| Ca | 0.21 | 0.23 | 0.22 | 0.27 | 0.23 |
| Na | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |
| K | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 8.00 | 8.00 | 8.01 | 8.00 | 8.01 |
| X_{Fe} | 0.66 | 0.65 | 0.65 | 0.64 | 0.65 |
| X_{Mn} | 0.16 | 0.15 | 0.16 | 0.16 | 0.17 |
| X_{Mg} | 0.12 | 0.11 | 0.11 | 0.11 | 0.10 |
| X_{ca} | 0.07 | 0.08 | 0.07 | 0.09 | 0.08 |

| Sample | AH 105 | | | | |
|--------------------------------|----------------|---------------|---------------|---------------|---------------|
| Mineral: | Biotite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 33.56 | 35.19 | 33.97 | 33.81 | 33.84 |
| TiO ₂ | 0.69 | 0.70 | 0.77 | 0.92 | 0.96 |
| Al ₂ O ₃ | 18.79 | 19.28 | 19.12 | 18.84 | 18.53 |
| FeO | 19.00 | 17.08 | 16.48 | 16.80 | 18.09 |
| MnO | 0.14 | 0.15 | 0.16 | 0.13 | 0.12 |
| MgO | 10.98 | 10.57 | 9.29 | 10.41 | 9.78 |
| CaO | 0.02 | 0.00 | 0.04 | 0.04 | 0.04 |
| Na ₂ O | 0.29 | 0.38 | 0.30 | 0.32 | 0.37 |
| K ₂ O | 7.89 | 8.72 | 8.50 | 8.83 | 8.02 |
| Total | 91.42 | 92.13 | 91.74 | 90.16 | 89.82 |
| Oxygen | | | 22 | | |
| Si | 5.31 | 5.47 | 5.48 | 5.39 | 5.43 |
| Ti | 0.08 | 0.08 | 0.09 | 0.11 | 0.12 |
| Al | 3.50 | 3.53 | 3.63 | 3.54 | 3.50 |
| Fe | 2.51 | 2.22 | 2.22 | 2.24 | 2.43 |
| Mn | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Mg | 2.59 | 2.45 | 2.23 | 2.47 | 2.34 |
| Ca | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Na | 0.09 | 0.11 | 0.10 | 0.10 | 0.12 |
| K | 1.59 | 1.73 | 1.75 | 1.80 | 1.64 |
| Sum | 15.70 | 15.61 | 15.53 | 15.68 | 15.59 |
| Fe/Fe+Mg | 0.49 | 0.47 | 0.49 | 0.47 | 0.50 |
| Mg/Mg+Fe | 0.51 | 0.52 | 0.49 | 0.52 | 0.49 |

| Sample | | AH 105 | | | | |
|--------------------------------|---------------|-------------------|---------------|---------------|---------------|--|
| Mineral: | | Staurolite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 | |
| SiO ₂ | 26.88 | 26.72 | 27.04 | 27.17 | 27.13 | |
| TiO ₂ | 0.21 | 0.18 | 0.22 | 0.23 | 0.18 | |
| Al ₂ O ₃ | 52.81 | 53.53 | 53.48 | 53.36 | 53.74 | |
| FeO | 13.71 | 14.09 | 13.59 | 13.82 | 13.28 | |
| MnO | 0.52 | 0.50 | 0.52 | 0.50 | 0.50 | |
| MgO | 1.89 | 2.00 | 2.00 | 1.85 | 1.86 | |
| CaO | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Na ₂ O | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | |
| K ₂ O | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 | |
| Total | 96.06 | 97.03 | 96.89 | 96.95 | 96.73 | |
| Oxygen | | | 46 | | | |
| Si | 7.62 | 7.51 | 7.59 | 7.63 | 7.61 | |
| Ti | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | |
| Al | 17.66 | 17.75 | 17.71 | 17.67 | 17.78 | |
| Fe | 3.25 | 3.31 | 3.19 | 3.25 | 3.12 | |
| Mn | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | |
| Mg | 0.80 | 0.84 | 0.84 | 0.77 | 0.78 | |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Na | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| K | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | |
| Sum | 29.50 | 29.58 | 29.51 | 29.49 | 29.47 | |
| Fe/Fe+Mg | 0.78 | 0.78 | 0.77 | 0.78 | 0.78 | |

| Sample | AH 105 | | | | |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|
| Mineral: | Muscovite | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 45.23 | 45.30 | 44.79 | 45.05 | 44.74 |
| TiO ₂ | 0.05 | 0.17 | 0.16 | 0.18 | 0.20 |
| Al ₂ O ₃ | 34.45 | 34.61 | 34.43 | 34.39 | 34.23 |
| FeO | 2.26 | 2.61 | 2.36 | 2.44 | 2.42 |
| MnO | 0.00 | 0.01 | 0.00 | 0.03 | 0.00 |
| MgO | 0.65 | 0.55 | 0.53 | 0.51 | 0.50 |
| CaO | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 |
| Na ₂ O | 1.19 | 1.31 | 1.21 | 1.13 | 1.22 |
| K ₂ O | 9.59 | 9.51 | 9.49 | 9.31 | 9.50 |
| Total | 93.43 | 94.07 | 92.97 | 93.05 | 92.83 |
| Oxygen | | | 22 | | |
| Si | 6.16 | 6.14 | 6.13 | 6.15 | 6.14 |
| Ti | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 |
| Al | 5.53 | 5.53 | 5.56 | 5.54 | 5.54 |
| Fe | 0.26 | 0.30 | 0.27 | 0.28 | 0.28 |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mg | 0.13 | 0.11 | 0.11 | 0.10 | 0.10 |
| Ca | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Na | 0.32 | 0.34 | 0.32 | 0.30 | 0.32 |
| K | 1.67 | 1.64 | 1.66 | 1.62 | 1.66 |
| Sum | 14.06 | 14.08 | 14.06 | 14.02 | 14.07 |
| K/K+Na | 0.84 | 0.83 | 0.84 | 0.84 | 0.84 |
| Na/K+Na | 0.16 | 0.17 | 0.16 | 0.16 | 0.16 |

| Sample | AH 105 | | | | |
|--------------------------------|--------------------|---------------|---------------|---------------|---------------|
| Mineral: | Plagioclase | | | | |
| Spot analyses | Spot 1 | Spot 2 | Spot 3 | Spot 4 | Spot 5 |
| SiO ₂ | 58.34 | 58.49 | 58.30 | 58.51 | 58.37 |
| TiO ₂ | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al ₂ O ₃ | 25.19 | 24.94 | 25.06 | 25.15 | 25.04 |
| FeO | 0.18 | 0.15 | 0.10 | 0.09 | 0.09 |
| MnO | 0.01 | 0.00 | 0.02 | 0.01 | 0.00 |
| MgO | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CaO | 7.00 | 7.03 | 7.01 | 6.96 | 6.96 |
| Na ₂ O | 7.81 | 7.86 | 8.04 | 7.97 | 7.90 |
| K ₂ O | 0.09 | 0.08 | 0.07 | 0.07 | 0.08 |
| Total | 98.62 | 98.55 | 98.62 | 98.76 | 98.44 |
| Oxygen | 8 | | | | |
| Si | 2.64 | 2.65 | 2.64 | 2.65 | 2.65 |
| Ti | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Al | 1.35 | 1.33 | 1.34 | 1.34 | 1.34 |
| Fe | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| Mn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mg | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ca | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| Na | 0.69 | 0.69 | 0.71 | 0.70 | 0.70 |
| K | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sum | 5.03 | 5.03 | 5.04 | 5.03 | 5.03 |
| Ab (%) | 66.53 | 66.64 | 67.22 | 67.20 | 66.97 |
| An (%) | 32.95 | 32.94 | 32.39 | 32.43 | 32.60 |
| Or (%) | 0.52 | 0.43 | 0.39 | 0.37 | 0.43 |