Figure DR1:
Map showing sample numbers for all ages included in compilation.
Figure DR2: Zircon age map.
Figure DR3: Titanite age map.
Figure DR4: Weighted mean diagram for sample 04GJP01 (zircon). Analyses conducted on tips of grains are shown separately.
Figure DR5: Concordia diagram for sample 04GJP01 (zircon).
135
140 145
302x153
214x258
332x153
206Pb*/238U

Mean = 146.3 ± 0.8 Ma
MSWD = 0.9 (2σ)

data-point error symbols are 1σ

04GJP01 - titanite

Age = 146.3 ± 4.4 Ma

Figure DR6: Weighted mean diagram for sample 04GJP01 (titanite).
Figure DR7: Weighted mean diagram for sample 04GJP09 (zircon). Six additional analyses (not shown) yield apparent ages from 97 to 187 Ma.
Figure DR8: Concordia diagram for sample 04GJP09 (zircon).
Figure DR9: Age mapping analysis of sample 04GJP09 (zircon).

- Analysis numbers and laser pits
- U/Pb age (Ma)
- U concentration (ppm)

**Age = ~190 Ma**
(based on average age of low-U grains)

**78.3 Ma igneous rim**

**~190 Ma inherited core with Pb loss**
(very high U concentration)

**~190 Ma inherited core (low U concentration)**
Age = 71.5 ± 2.6 Ma
Mean = 71.5 ± 1.0 Ma
MSWD = 0.9 (2σ)

Figure DR10: Weighted mean diagram for sample 04GJP09 (titanite).
Age = 58.4 ± 1.1 Ma
Mean = 58.4 ± 0.5 Ma
MSWD = 0.90 (2σ)

Figure DR11: Weighted mean diagram for sample 04GJP12 (zircon).
Figure DR12: Concordia diagram for sample 04GJP12 (zircon).
Figure DR13: Weighted mean diagram for sample 04GJP12 (titanite).
$^{206}\text{Pb}^{*}/^{238}\text{U}$

Age = 98.5 ± 1.9 Ma
Mean = 98.5 ± 0.7 Ma
MSWD = 0.80 (2σ)

Figure DR14: Weighted mean diagram for sample 04GJP13 (zircon).
Figure DR15: Concordia diagram for sample 04GJP13 (zircon).
Age = 95.3 ± 3.4 Ma
Mean = 95.3 ± 1.8 Ma
MSWD = 0.8 (2σ)

Figure DR16: Weighted mean diagram for sample 04GJP13 (titanite).
Age = 52.6 ± 1.5 Ma
Mean = 52.6 ± 0.7 Ma
MSWD = 0.5 (2σ)

Figure DR17: Weighted mean diagram for sample 04GJP16 (zircon). Twenty-one additional analyses yield apparent ages from 80 to 560 Ma.
Figure DR18: Concordia diagram for sample 04GJP16 (zircon).
Figure DR19: Age mapping analysis of sample 04GJP16 (zircon)

- **U/Th**:
  - Rim ages: Age = 52.2 ± 1.0 Ma, Mean = 52.2 ± 0.9 Ma, MSWD = 1.6 (2-sigma)
  - Core ages: Age = 61.4 ± 3.6 Ma, Mean = 61.4 ± 3.1 Ma, MSWD = 0.2 (2-sigma)

- **Uranium concentration (ppm)**

- **Ages (Ma)**

- **Analysis numbers and laser pits**: 50 microns

- **52.2 Ma igneous rim** (high U concentration & high U/Th)
- **61.4 Ma inherited igneous core** (low U concentration & low U/Th)

G. Gehrels, August 08
Figure DR20: Weighted mean diagram for sample 04GJP17 (zircon).
Figure DR21: Weighted mean diagram for sample 04GJP22 (zircon).

Age = 61.5 ± 1.6 Ma
Mean = 61.5 ± 1.3 Ma
MSWD = 0.68 (2σ)

206\text{Pb}/238\text{U}
data-point error symbols are 1σ
data-point error ellipses are 68.3% conf.

Figure DR22: Concordia diagram for sample 04GJP22 (zircon).
Age = 83.8 ± 2.8 Ma
Mean = 83.8 ± 1.8 Ma
MSWD = 0.9 (2σ)

Figure DR23: Weighted mean diagram for sample 04GJP23 (zircon).
Figure DR24: Concordia diagram for sample 04GJP23 (zircon).
Figure DR25: Weighted mean diagram for sample 04GJP24 (zircon).
Figure DR26: Concordia diagram for sample 04GJP24 (zircon).
Figure DR27: Weighted mean diagram for sample 04GJP24 (titanite).
Figure DR28: Weighted mean diagram for sample 04GJP27 (zircon).
Figure DR29: Concordia diagram for sample 04GJP27 (zircon).
Figure DR30: Weighted mean diagram for sample 04GJP29 (zircon). Analyses conducted on tips of grains are shown separately.
Figure DR31: Concordia diagram for sample 04GJP29 (zircon).
Figure DR32: Weighted mean diagram for sample 04GJP29 (titane).
Figure DR33: Weighted mean diagram for sample 04GJP32 (zircon). Age = 92.1 ± 2.5 Ma
Mean = 92.1 ± 1.5 Ma
MSWD = 0.63 (2σ)
Figure DR34: Concordia diagram for sample 04GJP32 (zircon).
Figure DR35: Weighted mean diagram for sample 04GJP32 (titanite).
Figure DR36: Weighted mean diagram for sample 04GJP36 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR37: Concordia diagram for sample 04GJP36 (zircon).
Age = 90.8 ± 3.0 Ma
Mean = 90.8 ± 1.3 Ma
MSWD = 1.0 (2σ)

Figure DR38: Weighted mean diagram for sample 04GJP36 (titanite).
Figure DR39: Weighted mean diagram for sample 04GJP37 (zircon).
Figure DR40: Concordia diagram for sample 04GJP37 (zircon).
Figure DR41: Weighted mean diagram for sample 04GJP37 (titanite).
Age = 116.4 ± 3.0 Ma
Mean = 116.4 ± 1.9 Ma
MSWD = 0.7 (2σ)

Figure DR42: Weighted mean diagram for sample 04GJP39 (zircon).
data-point error ellipses are 68.3% conf.

04GJP39 zircon

Figure DR43: Concordia diagram for sample 04GJP39 (zircon).
Figure DR44: Weighted mean diagram for sample 04GJP40 (zircon).
Figure DR45: Concordia diagram for sample 04GJP40 (zircon).
Data-point error symbols are $1\sigma$.

Age = 123.3 ± 1.4 Ma
Mean = 123.3 ± 0.8 Ma
MSWD = 0.44 (2\(\sigma\))

Figure DR46: Weighted mean diagram for sample 04GJP43 (zircon).
Figure DR47: Concordia diagram for sample 04GJP43 (zircon).
Age = 81.7 ± 1.2 Ma
Mean = 81.7 ± 0.5 Ma
MSWD = 1.02 (2σ)

Figure DR48: Weighted mean diagram for sample 04GJP44 (zircon).
Figure DR49: Concordia diagram for sample 04GJP44 (zircon).
Age = 81.8 ± 4.6 Ma  
Mean = 81.8 ± 1.2 Ma  
MSWD = 0.8 (2σ)

Figure DR50: Weighted mean diagram for sample 04GJP44 (titanite).
Figure DR51: Weighted mean diagram for sample 04GJP50 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR52: Concordia diagram for sample 04GJP50 (zircon).
Figure DR53: Weighted mean diagram for sample 04GJP55 (zircon).

Age = 147.8 ± 2.0 Ma
Mean = 147.8 ± 1.0 Ma
MSWD = 1.7 (2σ)

data-point error symbols are 1σ

206 Pb*/238 U
Figure DR54: Concordia diagram for sample 04GJP55 (zircon).
206\textsuperscript{Pb}/238\textsuperscript{U} \textsuperscript{238}U

Age = 146.7 ± 3.0 Ma
Mean = 146.7 ± 1.6 Ma
MSWD = 0.8 (2\sigma)

Figure DR55: Weighted mean diagram for sample 04GJP55 (titanite).
Figure DR56: Weighted mean diagram for sample 04GJP56 (zircon). Three analyses yield older ages, suggesting the presence of inherited components of 165.2 ± 2.0 Ma.
Figure DR57: Concordia diagram for sample 04GJP56 (zircon).
Figure DR58: Weighted mean diagram for sample 04GJP56 (titanite).
Figure DR59: Weighted mean diagram for sample 04GJP57 (zircon).
Figure DR60: Concordia diagram for sample 04GJP57 (zircon).
Figure DR61: Weighted mean diagram for sample 04GJP57 (titanite).
Figure DR62: Weighted mean diagram for sample 04GJP58 (zircon).
data-point error ellipses are 68.3% conf.

04GJP58 zircon

Figure DR63: Concordia diagram for sample 04GJP58 (zircon).
Figure DR64: Weighted mean diagram for sample 04GJP60 (zircon).
Figure DR65: Concordia diagram for sample 04GJP60 (zircon).
Figure DR66: Weighted mean diagram for sample 04GJP60 (titanite).
Figure DR67: Weighted mean diagram for sample 04GJP62 (zircon).
Figure DR68: Concordia diagram for sample 04GJP62 (zircon).
Figure DR69: Weighted mean diagram for sample 04GJP64 (zircon).

Age = 94.5 ± 1.3 Ma
Mean = 94.5 ± 0.8 Ma
MSWD = 1.3 (2σ)

data-point error symbols are 1σ
Figure DR70: Concordia diagram for sample 04GJP64 (zircon).
Fig. DR71: Weighted mean diagram for sample 04GJP65 (zircon).

$^{206}\text{Pb}^{*}/^{238}\text{U}$

Age = 100.9 ± 1.4 Ma
Mean = 100.9 ± 1.0 Ma
MSWD = 0.32 (2σ)

data-point error symbols are 1σ
data-point error ellipses are 68.3% conf.

Figure DR72: Concordia diagram for sample 04GJP65 (zircon).
Figure DR73: Weighted mean diagram for sample 04GJP68 (zircon).

Age = 97.1 ± 1.2 Ma
Mean = 97.1 ± 0.8 Ma
MSWD = 0.51 (2σ)

data-point error symbols are 1σ
Figure DR74: Concordia diagram for sample 04GJP68 (zircon).
Figure DR75: Weighted mean diagram for sample 04GJP68 (titanite).
Figure DR76: Weighted mean diagram for sample 04GJP69 (zircon).

Age = 91.9 ± 1.3 Ma
Mean = 91.9 ± 0.8 Ma
MSWD = 0.84 (2σ)
Figure DR77: Concordia diagram for sample 04GJP69 (zircon).
Figure DR78: Weighted mean diagram for sample 04GJP69 (titanite).
Figure DR79: Weighted mean diagram for sample 04GJP71 (zircon).
Figure DR80: Concordia diagram for sample 04GJP71 (zircon).
Figure DR81: Weighted mean diagram for sample 04GJP71 (titanite).
Figure DR82: Weighted mean diagram for sample 04GJP76 (zircon).
Figure DR83: Concordia diagram for sample 04GJP76 (zircon).
Figure DR84: Weighted mean diagram for sample 04GJP76 (titanite).
Figure DR85: Weighted mean diagram for sample 04GJP77 (zircon).
Figure DR86: Concordia diagram for sample 04GJP77 (zircon).
Figure DR87: Weighted mean diagram for sample 04GJP77 (titanite).
Figure DR88: Weighted mean diagram for sample 04GJP78 (zircon). Analyses conducted on tips are shown separately.
Figure DR89: Concordia diagram for sample 04GJP78 (zircon).
Figure DR90: Age mapping analysis of sample 04GJP78 (zircon).

- **Analysis number**
- **U-Pb age (Ma)**
- **U/Th**
- **U conc (ppm)**
- **Laser pits**

**Annotations:**
- **130-160 Ma inherited metamorphic core**
- **130 Ma inherited igneous core**
- **96.8 Ma igneous zircon**
- **57 Ma metamorphic rim**
- **~96 Ma igneous zircon**

**Textual Information:**
- **Age = 129.9 ± 5.0 Ma**
- **Mean = 129.9 ± 2.5 Ma**
- **MSWD = 8.5**
- **Age = 130.2 ± 2.8 Ma**
- **Mean = 130.2 ± 1.6 Ma**
- **MSWD = 0.7**
- **Age = 96.0 ± 2.0 Ma**
- **Mean = 96.0 ± 0.8 Ma**
- **MSWD = 2.1**
- **Age = 96.8 ± 2.1 Ma**
- **Mean = 96.8 ± 1.1 Ma**
- **MSWD = 0.7**
- **Age = 57.2 ± 3.7 Ma**
- **Mean = 57.2 ± 2.6 Ma**
- **MSWD = 0.06**

**Notes:**
- **G. Gehrels (August 2008)**

**Scale:**
100 microns
Figure DR91: Weighted mean diagram for sample 04GJP78 (titanite).
Figure DR92: Weighted mean diagram for sample 04GJP79 (zircon).
Figure DR93: Concordia diagram for sample 04GJP79 (zircon).
Figure DR94: Weighted mean diagram for sample 04GJP79 (titanite).
Figure DR95: Weighted mean diagram for sample 04GJP82 (zircon). Age of 49.5 ± 0.7 Ma from weighted mean of youngest analyses.
Figure DR96: Concordia diagram for sample 04GJP82 (zircon).
Figure DR97: Age mapping analysis of sample 04GJP82 (zircon)

- **U concentration (ppm)**
- **U/Th**
- **Age (Ma)**
- **Laser pits and analysis numbers**

**52.2 Ma igneous rim** (high U concentration) & **93.6 Ma inherited igneous core** (low U concentration & high U/Th)
Age = 80.7 ± 1.6 Ma
Mean = 80.7 ± 1.3 Ma
MSWD = 1.3 (2σ)

one inherited grain at 185 Ma

Figure DR98: Weighted mean diagram for sample 04GJP83 (zircon).
Figure DR99: Concordia diagram for sample 04GJP83 (zircon).
Figure DR100: Age mapping analysis of sample 04GJP83 (zircon)

- **U concentration (ppm)**
- **U/Th**
- **Age (Ma)**
- **Laser pits & analysis numbers**

**70 Ma metamorphic rim (high U conc & high U/Th)**

**79.7 Ma igneous zircon (low U conc & low U/Th)**

- **Age = 79.7 ± 1.4 Ma**
  - Mean = 79.7 ± 0.8 Ma
  - MSWD = 0.5 (2-sigma)
- **Age = 70.0 ± 1.9 Ma**
  - Mean = 70.0 ± 1.3 Ma
  - MSWD = 0.3 (2-sigma)

G. Gehrels (August 08)

50 microns
Figure DR101: Weighted mean diagram for sample 04GJP83 (titanite).
Age = 60.9 ± 0.8 Ma
Mean = 60.9 ± 0.5 Ma
MSWD = 0.89 (2σ)

Figure DR102: Weighted mean diagram for sample 04GJP84 (zircon).
Figure DR103: Concordia diagram for sample 04GJP84 (zircon).
Figure DR104: Weighted mean diagram for sample 04GJP84 (titanite).
Age = 81.9 ± 1.1 Ma
Mean = 81.9 ± 0.6 Ma
MSWD = 0.96 (2σ)

Figure DR105: Weighted mean diagram for sample 04GJP86 (zircon).
Figure DR106: Concordia diagram for sample 04GJP86 (zircon).
Figure DR107: Weighted mean diagram for sample 04GJP86 (titanite).
Figure DR108: Weighted mean diagram for sample 04GJP89 (zircon).

Age = 130.2 ± 1.9 Ma
Mean = 130.2 ± 1.4 Ma
MSWD = 1.2 (2σ)

data-point error symbols are 1σ
Figure DR109: Concordia diagram for sample 04GJP89 (zircon).
45
50 55
60
206Pb/238U

Age = 52.4 ± 1.7 Ma
Mean = 52.4 ± 0.5 Ma
MSWD = 1.5 (2σ)

Figure DR110: Weighted mean diagram for sample 04GJP89 (titanite).
Figure DR111: Weighted mean diagram for sample 05MT98 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR112: Concordia diagram for sample 05MT98 (zircon).
Age = 87.4 ± 1.1 Ma
Mean = 87.4 ± 0.9 Ma
MSWD = 1.3 (2σ)

Figure DR113: Weighted mean diagram for sample 05MT99 (zircon).
Figure DR114: Concordia diagram for sample 05MT99 (zircon).
Figure DR115: Weighted mean diagram for sample 05MT102 (zircon).

Age = 85.3 ± 1.4 Ma
Mean = 85.3 ± 0.9 Ma
MSWD = 1.5 (2s)
Figure DR116: Concordia diagram for sample 05MT102 (zircon).
Figure DR117: Weighted mean diagram for sample 05MT102 (titanite).

Age = 84.5 ± 1.4 Ma
Mean = 84.5 ± 0.7 Ma
MSWD = 0.62 (2σ)

05MT102 - titanite

data-point error symbols are 1σ
Figure DR118: Weighted mean diagram for sample 05MT105 (zircon). Core versus tip analyses yield very different ages, as shown.
Figure DR119: Concordia diagram for sample 05MT105 (zircon).
Figure DR120: Age mapping analysis of sample 05MT105 (zircon)

- **Uranium concentration (ppm)**
  - Age = 382.4 ± 6.3 Ma
  - Mean = 382.4 ± 2.6 Ma
  - MSWD = 1.2 (2-sigma)

- **U/Th**
  - Age = 81.1 ± 2.0 Ma
  - Mean = 81.1 ± 1.5 Ma
  - MSWD = 1.8 (2-sigma)

**Ages (Ma)**
- 382.4 Ma igneous core
- 81.1 Ma metamorphic rim (high U concentration & high U/Th)

**Analysis numbers and laser pits**

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**References**

- G. Gehrels (August 08)
Figure DR121: Weighted mean diagram for sample 05MT106 (zircon).
Figure DR122: Concordia diagram for sample 05MT106 (zircon).
Figure DR123: Weighted mean diagram for sample 05MT106 (titanite).
Figure DR124: Weighted mean diagram for sample 05MT111 (zircon). Interior portions of grains (cores) generally yield older ages than exterior portions (tips).
Figure DR125: Concordia diagram for sample 05MT111 (zircon).
Figure DR126: Weighted mean diagram for sample 05MT111 (titanite).
Figure DR127: Weighted mean diagram for sample 05MT112 (zircon).

Age = 103.4 ± 1.5 Ma
Mean = 103.4 ± 0.7 Ma
MSWD = 1.4 (2σ)

data-point error symbols are 1σ
Figure DR128: Concordia diagram for sample 05MT112 (zircon).
Figure DR129: Weighted mean diagram for sample 05MT112 (titanite).
Figure DR130: Weighted mean diagram for sample 05MT113 (zircon).
Figure DR131: Concordia diagram for sample 05MT113 (zircon).
Figure DR132: Weighted mean diagram for sample 05MT113 (titanite).
Figure DR133: Weighted mean diagram for sample 05MT114 (zircon).
Figure DR134: Concordia diagram for sample 05MT114 (zircon).
Figure DR135: Weighted mean diagram for sample 05MT117 (zircon).
Figure DR136: Concordia diagram for sample 05MT117 (zircon).
Figure DR137: Weighted mean diagram for sample 05MT117 (titanite).
Figure DR138: Weighted mean diagram for sample 05MT121 (titanite).
$^{206}\text{Pb}^{*}/^{238}\text{U}$  

Age = 93.6 ± 1.8 Ma  
Mean = 93.6 ± 0.5 Ma  
MSWD = 1.2 (2σ)

data-point error symbols are 1σ

Figure DR139: Weighted mean diagram for sample 05MT122 (zircon).
Figure DR140: Concordia diagram for sample 05MT122 (zircon).
Figure DR141: Weighted mean diagram for sample 05MT141 (titanite).
Figure DR142: Weighted mean diagram for sample 05MT135 (zircon). Core analyses generally yield older ages than rim analyses.
data-point error ellipses are 68.3% conf.

05MT135 zircon

Figure DR143: Concordia diagram for sample 05MT135 (zircon).
$^{206}\text{Pb}/^{238}\text{U}$

Age = 49.9 ± 1.4 Ma
Mean = 49.9 ± 0.6 Ma
MSWD = 2.6 (2s)

data-point error symbols are 1σ

Figure DR144: Weighted mean diagram for sample 05MT135 (titanite).
Figure DR145: Weighted mean diagram for sample 05MT136 (zircon).

Age = 58.2 ± 0.9 Ma
Mean = 58.2 ± 0.5 Ma
MSWD = 0.44 (2σ)

Data-point error symbols are 1σ
Figure DR146: Concordia diagram for sample 05MT136 (zircon).
Figure DR147: Weighted mean diagram for sample 05MT136 (titanite).
Figure DR148: Weighted mean diagram for sample 05MT137 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR149: Concordia diagram for sample 05MT137 (zircon).
Figure DR150: Weighted mean diagram for sample 05MT137 (titanite).
data-point error ellipses are 68.3% conf.

Figure DR151: Concordia diagram for sample 05MT138 (zircon).
Figure DR152: Plot of age versus uranium concentration (sample 05MT138 – zircon). Correlation of analyses (higher uranium concentration yielding younger ages) indicates that Pb loss is significant in at least the higher-uranium analyses.
Figure DR153: Weighted mean diagram for sample 05MT138 (titanite).
Figure DR154: Weighted mean diagram for sample 05MT140 (zircon).
Figure DR155: Concordia diagram for sample 05MT140 (zircon).
Figure DR156: Weighted mean diagram for sample 05MT140 (titanite).
Figure DR157: Weighted mean diagram for sample 05MT142 (zircon).

Age = 95.1 ± 1.9 Ma
Mean = 95.1 ± 0.8 Ma
MSWD = 2.2 (2σ)

data-point error symbols are 1σ
Figure DR158: Concordia diagram for sample 05MT142 (zircon).
Age = 66.2 ± 2.0 Ma
Mean = 66.2 ± 1.3 Ma
MSWD = 0.7 (2σ)

Figure DR159: Weighted mean diagram for sample 05MT142 (titanite).
Age = 52.3 ± 1.1 Ma
Mean = 52.3 ± 0.4 Ma
MSWD = 1.7 (2σ)

Figure DR160: Weighted mean diagram for sample 05MT145 (zircon).
Figure DR161: Concordia diagram for sample 05MT145 (zircon).
Figure DR162: Weighted mean diagram for sample 05MT146 (zircon).

\[ \frac{{206Pb^{*}}}{{^{238}U}} \]

Age = 52.4 ± 1.8 Ma
Mean = 52.4 ± 1.0 Ma
MSWD = 0.4 (2σ)
05MT146 zircon data-point error ellipses are 68.3% conf.

Figure DR163: Concordia diagram for sample 05MT146 (zircon).
Figure DR164: Weighted mean diagram for sample 05MT149 (zircon).
Figure DR165: Concordia diagram for sample 05MT149 (zircon).
Mean = 196.4 ± 1.9 Ma
Age = 196.4 ± 2.3 Ma
MSWD = 1.7 (2σ)

Figure DR166: Weighted mean diagram for sample 05MT149 (titanite).
Figure DR167: Weighted mean diagram for sample 05MT155 (zircon).
Figure DR168: Concordia diagram for sample 05MT155 (zircon).
Figure DR169: Weighted mean diagram for sample 05MT155 (titanite).

Mean = 67.4 ± 0.8 Ma
Age = 67.4 ± 1.3 Ma
MSWD = 1.10 (2s)
Figure DR170: Weighted mean diagram for sample 07GJ209 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR171: Concordia diagram for sample 07GJ209 (zircon).
Age = 144.6 ± 1.8 Ma
Mean = 144.6 ± 0.8 Ma
MSWD = 0.8 (2σ)

Figure DR172: Weighted mean diagram for sample 07GJ213 (zircon).
Figure DR173: Concordia diagram for sample 07GJ213 (zircon).
Figure DR174: Weighted mean diagram for sample 07GJ221 (zircon).

*206Pb/238U* data-point error symbols are 1σ.
Figure DR175: Concordia diagram for sample 07GJ221 (zircon).
Age = 116.3 ± 1.4 Ma
Mean = 116.3 ± 0.6 Ma
MSWD = 0.6 (2σ)

Figure DR176: Weighted mean diagram for sample 07GJ222 (zircon).
Figure DR177: Concordia diagram for sample 07GJ222 (zircon).
Figure DR178: Weighted mean diagram for sample 04MR16 (zircon).

Age = 179.7 ± 3.4 Ma
Mean = 179.7 ± 3.0 Ma
MSWD = 0.73 (2-sigma)
Figure DR179: Concordia diagram for sample 04MR16 (zircon).
Figure DR180: Weighted mean diagram for sample 04MR18 (zircon).
Figure DR181: Concordia diagram for sample 04MR18 (zircon).
Figure DR182: Weighted mean diagram for sample 04MR39 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR183: Concordia diagram for sample 04MR39 (zircon).
Figure DR184: Weighted mean diagram for sample 04MR41 (zircon).
Figure DR185: Concordia diagram for sample 04MR41 (zircon).
Figure DR186: Weighted mean diagram for sample 04WV101 (zircon).
Figure DR187: Concordia diagram for sample 04WV101 (zircon).
Age = 55.0 ± 1.0 Ma
Mean = 55.0 ± 0.8 Ma
MSWD = 1.1 (2-sigma)
(selection of youngest 7 analyses)

Figure DR188: Weighted mean diagram for sample 04WV102 (zircon).
Figure DR189: Concordia diagram for sample 04WV102 (zircon).
Figure DR190: Weighted mean diagram for sample 05MR06 (zircon).
Figure DR191: Concordia diagram for sample 04MR06 (zircon).
Age = 132.5 ± 2.6 Ma
Mean = 132.5 ± 1.9 Ma
MSWD = 2.3 (2-sigma)

Figure DR192: Weighted mean diagram for sample 04MR12 (zircon).
Figure DR193: Concordia diagram for sample 04MR12 (zircon).
Age = 69.1 ± 1.1 Ma
Mean = 69.1 ± 0.6 Ma
MSWD = 0.71 (2-sigma)

Figure DR194: Weighted mean diagram for sample 05WV04 (zircon).
data-point error ellipses are 68.3% conf.

Figure DR195: Concordia diagram for sample 05WV04 (zircon).
Figure DR196: Weighted mean diagram for sample 05WV04 (titanite).

Mean = 57.6 ± 1.4 Ma
Age = 57.6 ± 2.8 Ma
MSWD = 0.55 (2σ)
Figure DR197: Weighted mean diagram for sample 05WV06 (titanite).
Figure DR198: Weighted mean diagram for sample 05WV16 (zircon).

Age = 74.7 ± 1.2 Ma
Mean = 74.7 ± 0.7 Ma
MSWD = 1.5 (2 sigma)
Figure DR199: Concordia diagram for sample 05WV16 (zircon).
Age = 76.9 ± 1.3 Ma
Mean = 76.9 ± 0.7 Ma
MSWD = 1.16 (2-sigma)

Figure DR200: Weighted mean diagram for sample 05WV35 (zircon). Only rim/tip analyses are shown. Analyses of grain interiors yield older ages.
Figure DR201: Concordia diagram for sample 05WV35 (zircon).
Figure DR202: Concordia diagram for sample 05WV35 (zircon).
Age = 52.5 ± 0.9 Ma
Mean = 52.5 ± 0.3 Ma
MSWD = 1.02 (2-sigma)

Figure DR203: Weighted mean diagram for sample 05WV39 (zircon).
Figure DR204: Concordia diagram for sample 05WV39 (zircon).
Figure DR205: Weighted mean diagram for sample G53 (zircon).
Figure DR206: Concordia diagram for sample G53 (zircon).
Figure DR207: Weighted mean diagram for sample G842 (zircon).

Age = 111.1 ± 2.8 Ma
Mean = 111.1 ± 1.1 Ma
MSWD = 0.9 (2-sigma)
Figure DR208: Concordia diagram for sample G842 (zircon).
Age = 103.3 ± 3.5 Ma
Mean = 103.3 ± 1.7 Ma
MSWD = 1.2 (2-sigma)

Figure DR209: Weighted mean diagram for sample G842A (zircon).
data-point error ellipses are 68.3% conf.

Figure DR210: Concordia diagram for sample G842A (zircon).
Figure DR211: Weighted mean diagram for sample G99 (zircon).

\[ \text{Age} = 80.9 \pm 2.6 \text{ Ma} \]
\[ \text{Mean} = 80.9 \pm 1.3 \text{ Ma} \]
\[ \text{MSWD} = 0.5 \text{ (2-sigma)} \]
Figure DR212: Concordia diagram for sample G99 (zircon).
Figure DR213: Concordia diagram for sample 97PR5.
Figure DR214: Concordia diagram for sample 97PR54.
Figure DR215: Concordia diagram for sample 98PR1L.
Figure DR216: Concordia diagram for sample 98PR3L.
Figure DR217: Concordia diagram for sample 98PR3M.
<table>
<thead>
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