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<th>G2</th>
<th>S1</th>
<th>S2</th>
<th>K1</th>
<th>K2</th>
<th>M1</th>
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Si  2.97  2.98  2.97  2.98  2.96  2.97  2.99  2.97  
Ti  0.00  0.00  0.00  0.00  0.01  0.00  0.01  0.00  
Al  1.99  1.99  2.00  1.98  2.00  2.00  1.96  2.00  
Fe  1.38  2.13  2.40  1.64  2.23  2.22  1.47  2.04  
Mn  0.57  0.20  0.18  0.46  0.22  0.22  0.03  0.76  
Mg  0.10  0.30  0.34  0.15  0.40  0.43  0.21  0.19  
Ca  1.01  0.42  0.13  0.80  0.22  0.18  1.38  0.05  
Cr  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  
Sum 8.03  8.02  8.03  8.03  8.04  8.03  8.05  8.01  

n* 9.00  14.00  8.00  10.00  23.00  10.00  17.00  16.00

*Average rim compositions based on n analyses. Uncertainties correspond to one standard deviation.
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<th>Al₂O₃</th>
<th>FeO</th>
<th>MnO</th>
<th>CaO</th>
<th>Na₂O</th>
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| n      | 8.00  | 31.00 | 14.00 | 14.00 | 5.00  | 17.00 | 7.00  | 5.00  |       |       |

Table: Biotic and muscovite rim compositions (11 O basis).
<table>
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<tr>
<th>Sample</th>
<th>G1</th>
<th>G2</th>
<th>S1</th>
<th>S2</th>
<th>K1</th>
<th>K2</th>
<th>M1</th>
<th>M2</th>
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<tr>
<td>SiO₂</td>
<td>48.12±0.97</td>
<td>57.72±0.71</td>
<td>63.46±0.22</td>
<td>53.70±0.83</td>
<td>60.42±0.25</td>
<td>62.18±0.28</td>
<td>44.89±0.48</td>
<td>63.21±0.21</td>
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<tr>
<td>Al₂O₃</td>
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<td>22.65±0.11</td>
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<td>34.7±0.24</td>
<td>22.95±0.14</td>
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<td>FeO</td>
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<td>0.08±0.06</td>
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<td>MgO</td>
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<td>0.01±0.01</td>
<td>0.01±0.01</td>
<td>0.01±0.01</td>
<td>0.01±0.01</td>
<td>0.00±0.00</td>
<td>0.00±0.00</td>
<td>0.00±0.02</td>
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<td>8.21±0.59</td>
<td>3.74±0.07</td>
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<td>5.92±0.20</td>
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<td>Na₂O</td>
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<td>9.73±0.08</td>
<td>5.28±0.35</td>
<td>8.45±0.08</td>
<td>9.06±0.14</td>
<td>1.06±0.18</td>
<td>9.46±0.10</td>
</tr>
<tr>
<td>K₂O</td>
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<td>0.05±0.01</td>
<td>0.08±0.02</td>
<td>0.04±0.02</td>
<td>0.11±0.03</td>
<td>0.12±0.02</td>
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<td>99.75</td>
<td>99.48</td>
<td>99.44</td>
<td>99.67</td>
<td>99.01</td>
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</tbody>
</table>

| Si    | 2.22 | 2.59 | 2.81 | 2.44 | 2.70 | 2.77 | 2.09 | 2.80 |
| Al    | 1.77 | 1.40 | 1.18 | 1.35 | 1.29 | 1.23 | 1.91 | 1.20 |
| Fe    | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mg    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ca    | 0.08 | 0.40 | 0.18 | 0.55 | 0.28 | 0.23 | 0.91 | 0.18 |
| Na    | 0.21 | 0.63 | 0.84 | 0.47 | 0.73 | 0.78 | 0.10 | 0.81 |
| K     | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.02 |
| Sum   | 5.00 | 5.02 | 5.02 | 5.02 | 5.02 | 5.01 | 5.01 | 5.01 |
| n     | 5.00 | 10.00 | 8.00 | 9.00 | 14.00 | 10.00 | 10.00 | 9.00 |
Table 4. Hornblende rim compositions (2 O basis).

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<th>S2</th>
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<td>0.39±0.03</td>
<td>0.35±0.07</td>
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<tr>
<td>Al₂O₃</td>
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<td>17.76±0.26</td>
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<td>FeO</td>
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<td>MnO</td>
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<tr>
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<td>Cr₂O₃</td>
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<td>Total</td>
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<td>97.49</td>
<td>97.75</td>
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</table>

| Si     | 6.59     | 6.22     | 6.24     |
| Al     | 2.23     | 3.11     | 3.00     |
| Ti     | 0.03     | 0.04     | 0.04     |
| Cr     | 0.00     | 0.00     | 0.01     |
| Mg     | 1.93     | 1.70     | 1.52     |
| Fe     | 2.33     | 2.10     | 2.26     |
| Mn     | 0.07     | 0.03     | 0.06     |
| Ca     | 1.91     | 1.78     | 1.86     |
| Na     | 0.27     | 0.30     | 0.41     |
| K      | 0.09     | 0.06     | 0.07     |
| Sum    | 15.45    | 15.35    | 15.46    |
| n      | 5.00     | 12.00    | 12.00    |

Table 5. Cpx rim comp. (6 O basis)

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| Si     | 1.99 |
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| Ti     | 0.00 |
| Cr     | 0.00 |
| Mg     | 0.58 |
| Fe     | 0.40 |
| Mn     | 0.01 |
| Ca     | 0.98 |
| Na     | 0.01 |
| K      | 0.00 |
| Sum    | 3.99 |
| n      | 10.00 |