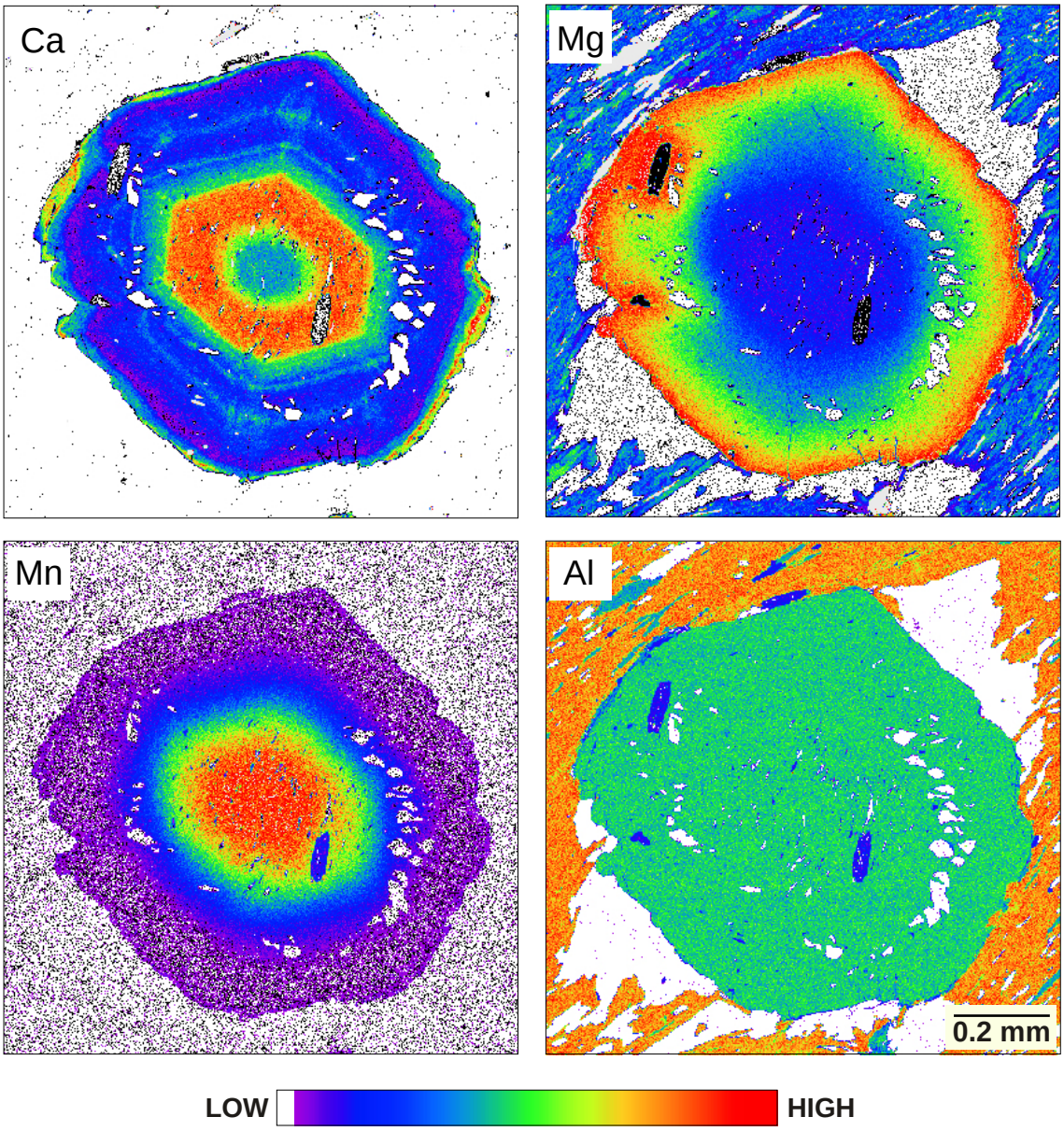

Figure 6. X-ray compositional maps of Ca, Mg, Mn and Al for garnet grain from V436B shown in figure 2. Compositional zoning patterns are roughly the same as the grain shape. Ca map shows several thin bands of enrichment outside the core and most noticeably at the garnet rim.

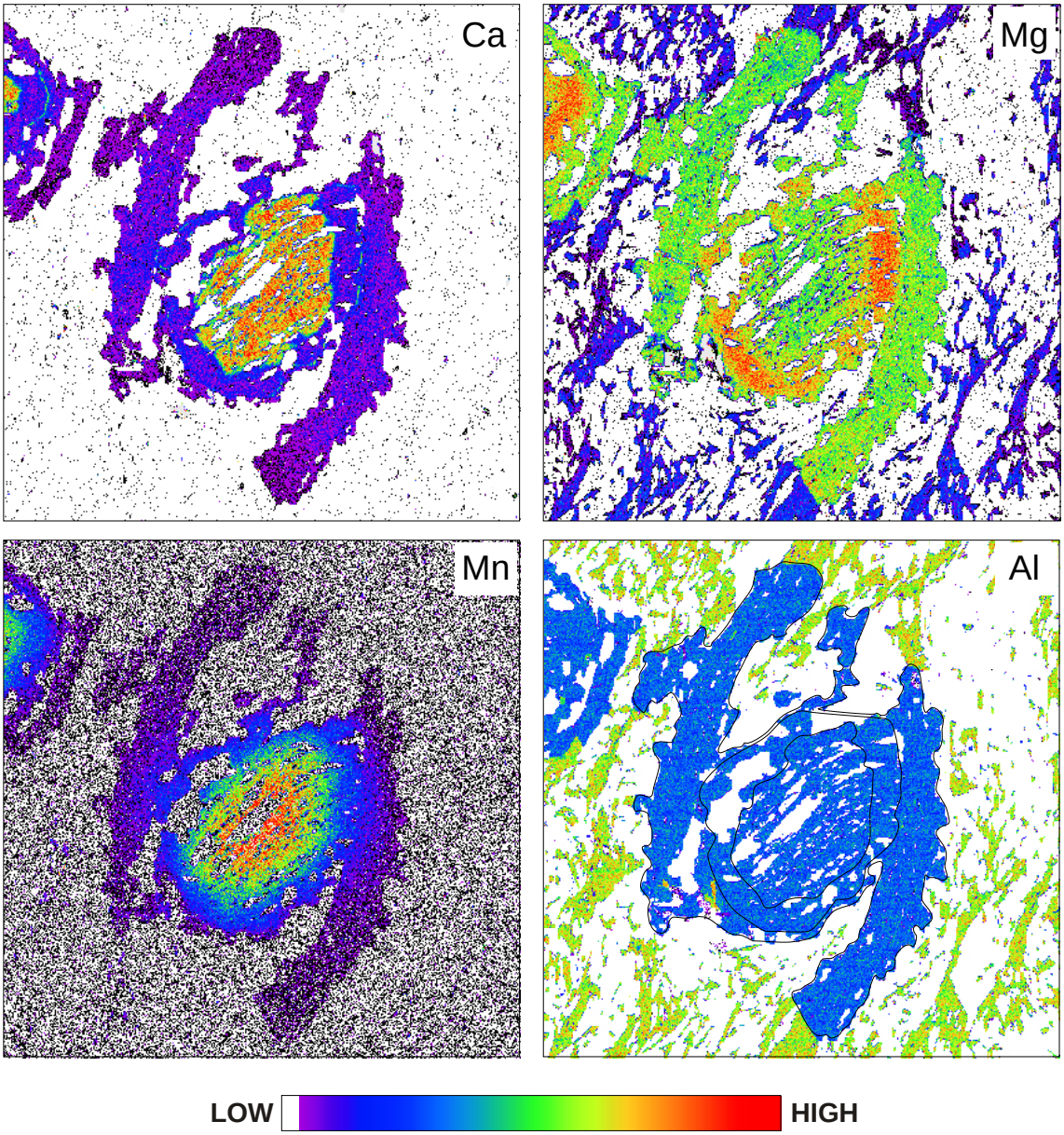

Figure 7. X-ray compositional maps of Ca, Mg, Mn and Al for the garnet grain from V436A shown in figure 3. Equant portion of the garnet core is marked by a thin band of Ca enrichment similar to grain in figure 6. Note the shift in Mg content from low in core, increasing in the median and then decreasing in the elongate rim.

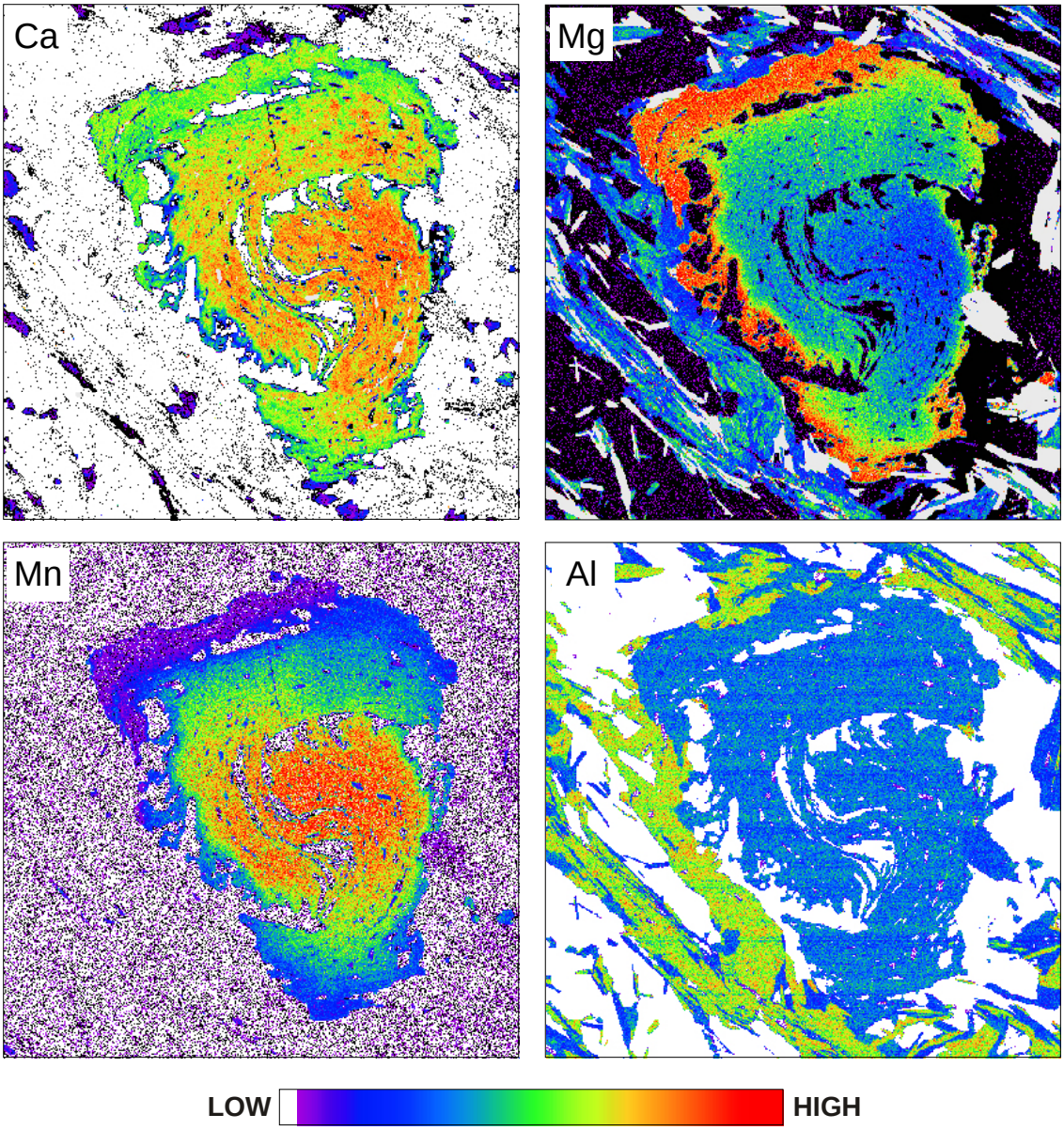

Figure 8. X-ray compositional maps of Ca, Mg, Mn and Al for the garnet grain from V261A shown in figure 4. Mn and Mg show relatively smooth patterns from core to rim. Ca content generally decreases from core to rim but is irregular with patchy areas of high and low concentration.

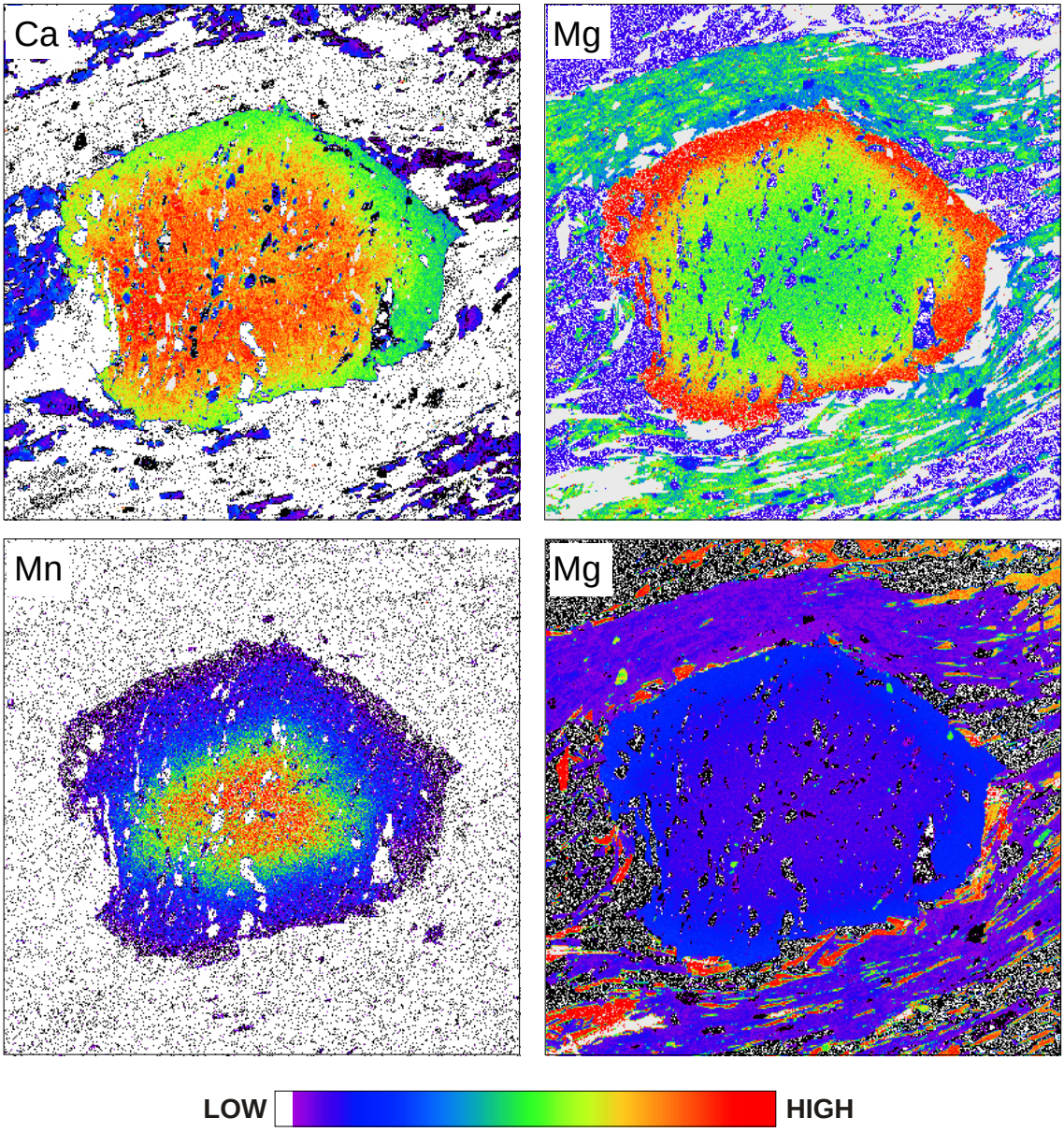

Figure 9. X-ray compositional maps of Ca, Mg and Mn for garnet grain from V257 shown in figure 5. Zoning patterns are roughly the same as the grain shape. Ca shows similar irregular zoning patterns as the grain in figure 8.