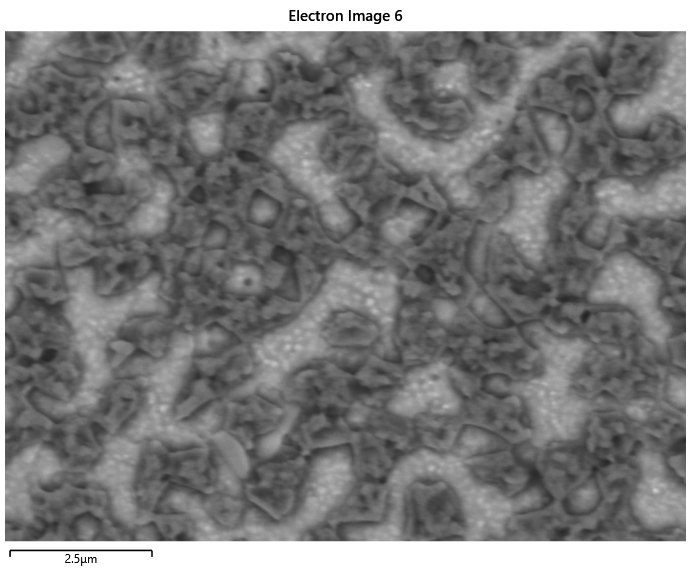
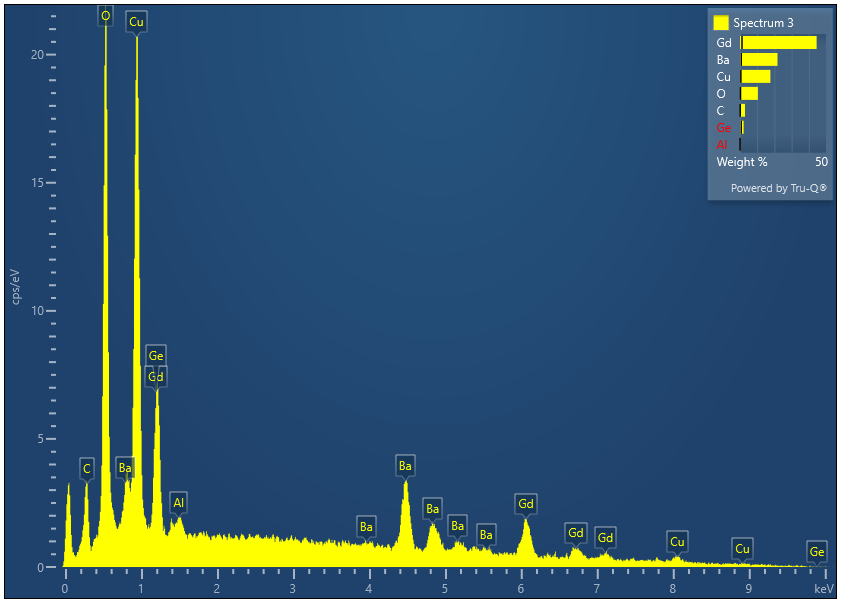


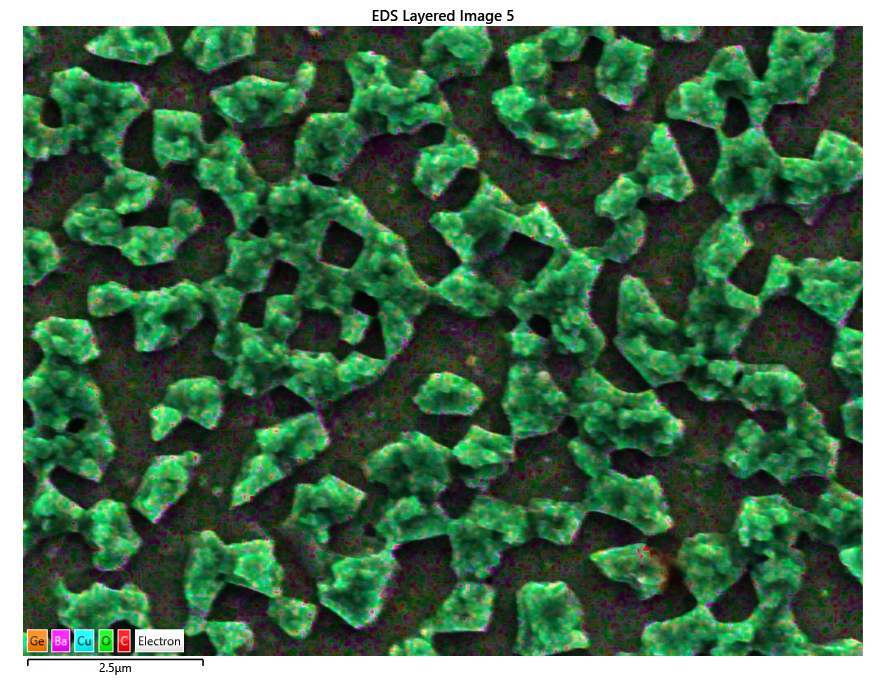
|  |  |
| --- | --- |
| Label: | Electron Image 5 |
| Collected: | 19/11/2020 13:44:29 |
| Input Signal: | SE |
| Resolution (Width): | 2048 pixels |
| Resolution (Height): | 1536 pixels |
| Pixel Size: | 0.00586 µm |
| Image Width: | 12μm |
| Image Height: | 8.99μm |
| Accelerating Voltage: | 10.00kV |
| Magnification: | 10000 x |
| Working Distance: | 10.0mm |
| Stage X: | 5.370mm |
| Stage Y: | -4.091mm |
| Stage Z: | 11.061mm |
| Stage Tilt Degrees: | 0.00° |
| Specimen Tilt Degrees: | 0.00° |
| Software Tilt Correction: | Not applied |
| Stage Rotate: | 360.0° |
| Number of Averaged Frames: | 1 |
| Dwell Time: | 5μs |



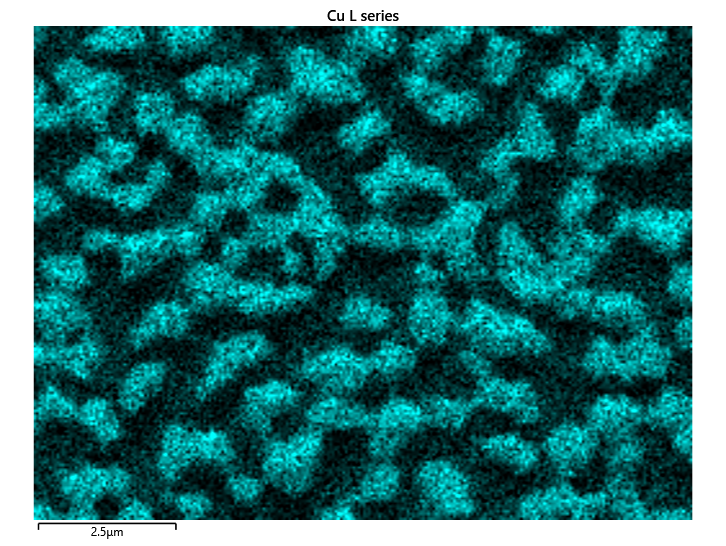
|  |  |
| --- | --- |
| Label: | Electron Image 6 |
| Collected: | 19/11/2020 13:44:29 |
| Input Signal: | BSE |
| Resolution (Width): | 2048 pixels |
| Resolution (Height): | 1536 pixels |
| Pixel Size: | 0.00586 µm |
| Image Width: | 12μm |
| Image Height: | 8.99μm |
| Accelerating Voltage: | 10.00kV |
| Magnification: | 10000 x |
| Working Distance: | 10.0mm |
| Stage X: | 5.370mm |
| Stage Y: | -4.091mm |
| Stage Z: | 11.061mm |
| Stage Tilt Degrees: | 0.00° |
| Specimen Tilt Degrees: | 0.00° |
| Software Tilt Correction: | Not applied |
| Stage Rotate: | 360.0° |
| Number of Averaged Frames: | 1 |
| Dwell Time: | 5μs |

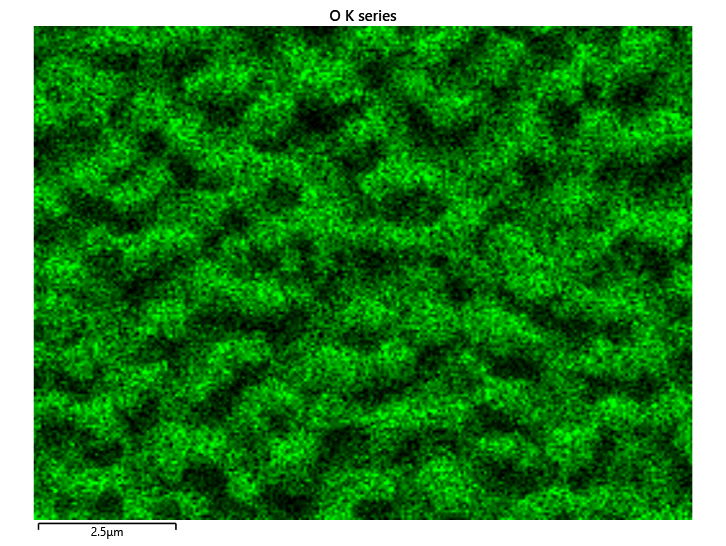


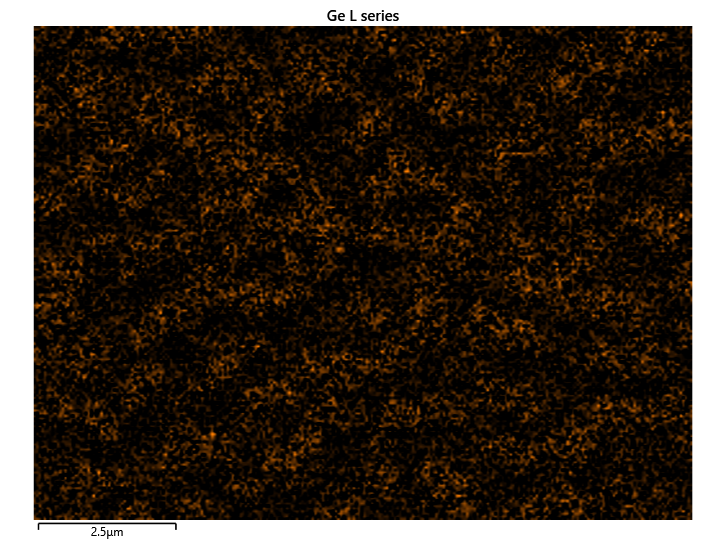
|  |  |
| --- | --- |
| Label: | Spectrum 3 |
| Source: | Acquired |
| Created: | 19/11/2020 13:50:09 |
| Livetime: | 11.0s |
| Process Time: | 4 |
| Accelerating Voltage: | 10.00kV |
| Magnification: | 10000 x |
| Working Distance: | 10.0mm |
| Stage X: | 5.370mm |
| Stage Y: | -4.1mm |
| Stage Z: | 11.1mm |
| Stage Tilt: | 0.00° |
| Specimen Tilt (degrees): | 0.00 |
| Stage Rotate: | 360.0° |
| Elevation (degrees): | 29.0 |
| Azimuth (degrees): | 0.0 |
| Number Of Channels: | 1024 |
| Energy Range (keV): | 10 keV |
| Energy per Channel (eV): | 10.0eV |
| Detector Type: | Ultim Max 170 |
| Detector Type Id: | 60 |
| Window Type: | SATW |
| Pulse Pile Up Correction: | Succeeded |
| Primary Detector: |  |
| Primary Detector Serial Number: | UVA8963 |

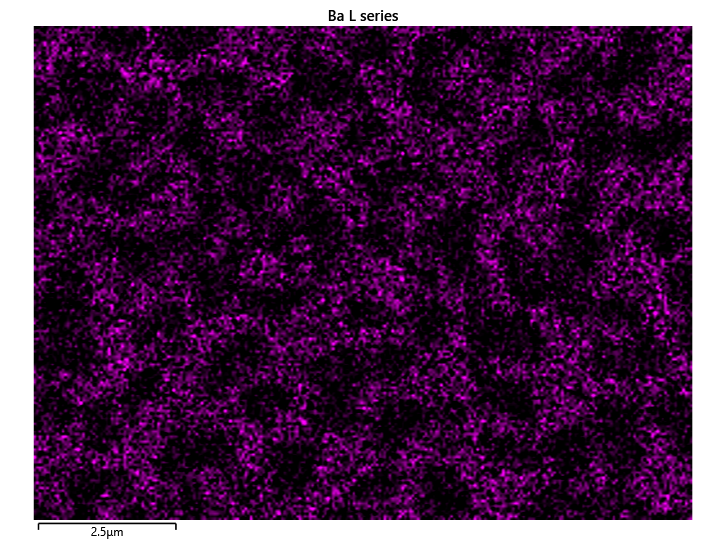


|  |  |
| --- | --- |
| Label: | EDS Layered Image 5 |
| Collected: | 19/11/2020 13:45:01 |
| Resolution (Width): | 2048 pixels |
| Resolution (Height): | 1536 pixels |
| Pixel Size: | 0.00586 µm |
| Image Width: | 12μm |
| Image Height: | 8.99μm |
| Accelerating Voltage: | 10.00kV |
| Magnification: | 10000 x |
| Working Distance: | 10.0mm |
| Stage X: | 5.370mm |
| Stage Y: | -4.091mm |
| Stage Z: | 11.061mm |
| Stage Tilt Degrees: | 0.00° |
| Specimen Tilt Degrees: | 0.00° |
| Software Tilt Correction: | Not applied |
| Stage Rotate: | 360.0° |
| Primary Detector: |  |
| Primary Detector Serial Number: | UVA8963 |









|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Spectrum 3** |  |  |  |  |  |  |  |  |
| Element | Line Type | Apparent Concentration | k Ratio | Wt% | Wt% Sigma | Standard Label | Factory Standard | Standard Calibration Date |
| C | K series | 0.01 | 0.00008 | 2.91 | 0.18 | C Vit | Yes |  |
| O | K series | 0.14 | 0.00047 | 10.44 | 0.29 | SiO2 | Yes |  |
| Al | K series | 0.00 | 0.00002 | 0.42 | 0.09 | Al2O3 | Yes |  |
| Cu | L series | 0.08 | 0.00083 | 17.67 | 0.51 | Cu | Yes |  |
| Ge | L series | 0.01 | 0.00009 | 2.15 | 0.72 | Ge | Yes |  |
| Ba | L series | 0.14 | 0.00127 | 21.84 | 0.73 | BaF2 | Yes |  |
| Gd | L series | 0.25 | 0.00246 | 44.56 | 1.20 | Gd (v) | Yes |  |
| Total: |  |  |  | 100.00 |  |  |  |  |

