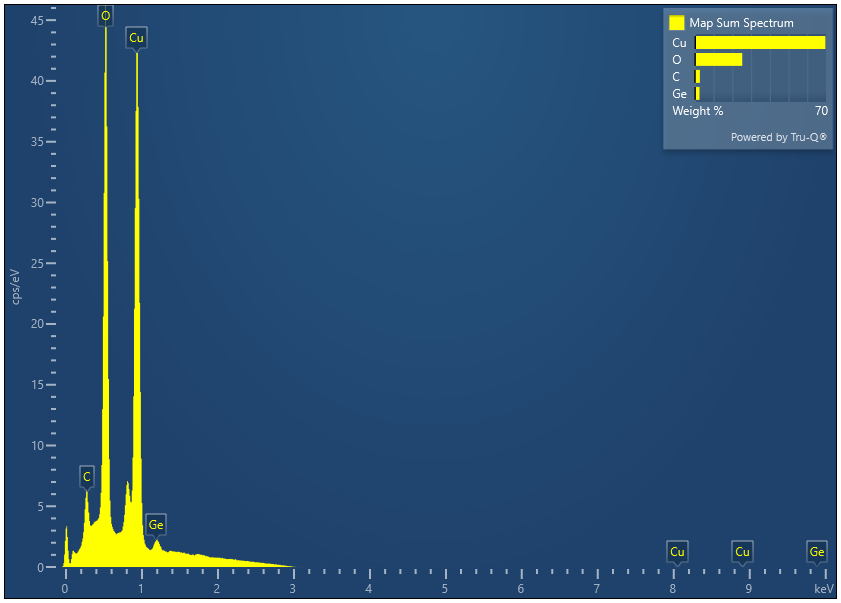
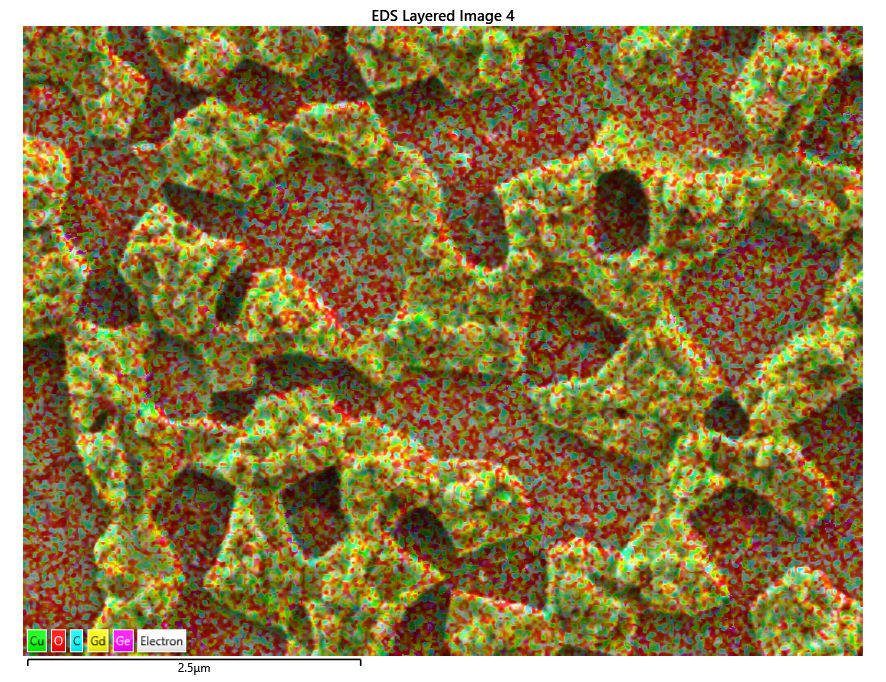


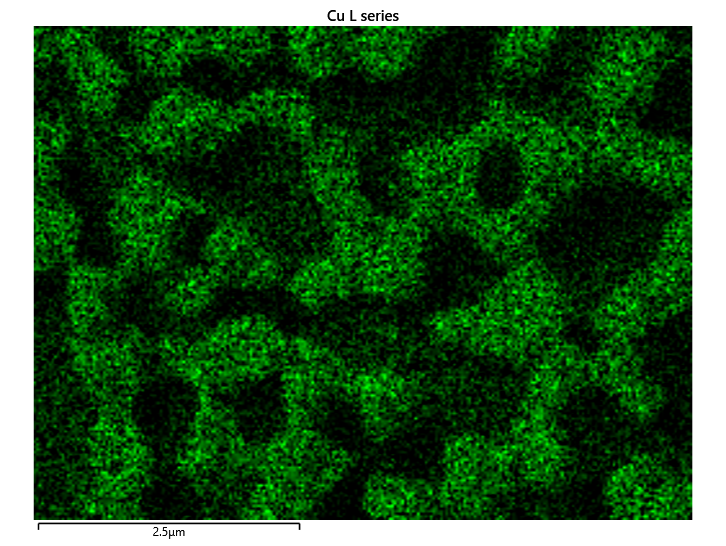
|  |  |
| --- | --- |
| Label: | Electron Image 3 |
| Collected: | 19/11/2020 12:53:20 |
| Input Signal: | SE |
| Resolution (Width): | 2048 pixels |
| Resolution (Height): | 1536 pixels |
| Pixel Size: | 0.00308 µm |
| Image Width: | 6.31μm |
| Image Height: | 4.73μm |
| Accelerating Voltage: | 3.00kV |
| Magnification: | 19000 x |
| Working Distance: | 7.0mm |
| Stage X: | 5.480mm |
| Stage Y: | -3.836mm |
| Stage Z: | 8.072mm |
| 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 |

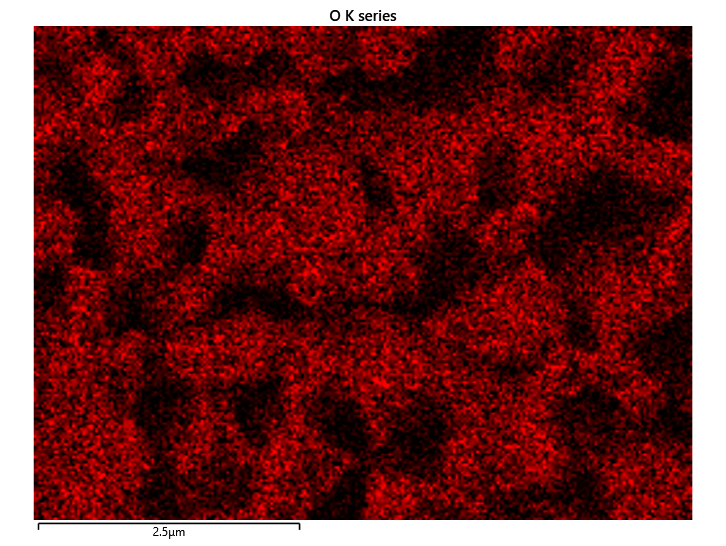


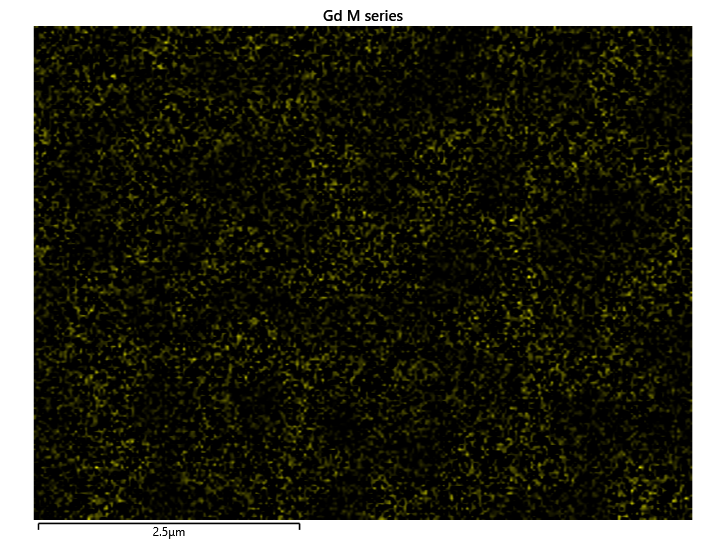
|  |  |
| --- | --- |
| Label: | Map Sum Spectrum |
| Source: | Acquired |
| Created: | 19/11/2020 12:53:39 |
| Livetime: | 78.6s |
| Process Time: | 4 |
| Accelerating Voltage: | 3.00kV |
| Magnification: | 19000 x |
| Working Distance: | 7.0mm |
| Stage X: | 5.480mm |
| Stage Y: | -3.8mm |
| Stage Z: | 8.1mm |
| Stage Tilt: | 0.00° |
| Specimen Tilt (degrees): | 0.00 |
| Stage Rotate: | 360.0° |
| Elevation (degrees): | 21.0 |
| Azimuth (degrees): | 0.0 |
| Number Of Channels: | 1024 |
| Energy Range (keV): | 10 keV |
| Energy per Channel (eV): | 10.0eV |
| Detector Type: | Ultim Extreme |
| Detector Type Id: | 64 |
| Window Type: | None |
| Pulse Pile Up Correction: | Succeeded |
| Primary Detector: |  |
| Primary Detector Serial Number: | UVA9045 |

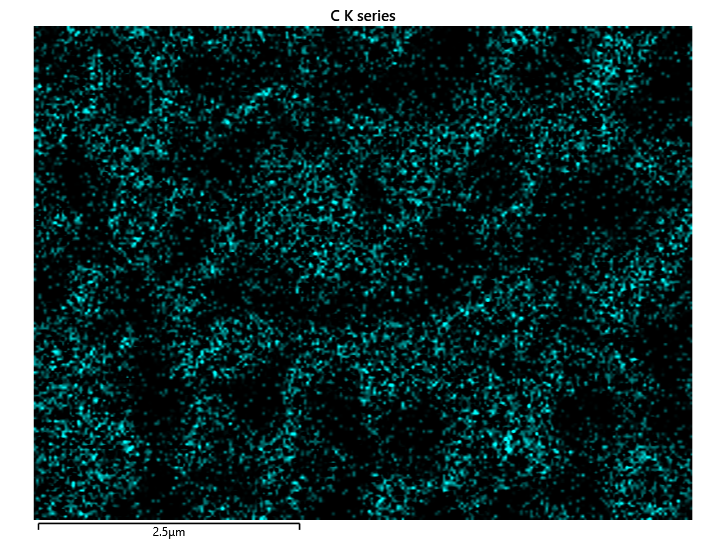


|  |  |
| --- | --- |
| Label: | EDS Layered Image 4 |
| Collected: | 19/11/2020 12:53:39 |
| Resolution (Width): | 2048 pixels |
| Resolution (Height): | 1536 pixels |
| Pixel Size: | 0.00308 µm |
| Image Width: | 6.31μm |
| Image Height: | 4.73μm |
| Accelerating Voltage: | 3.00kV |
| Magnification: | 19000 x |
| Working Distance: | 7.0mm |
| Stage X: | 5.480mm |
| Stage Y: | -3.836mm |
| Stage Z: | 8.072mm |
| 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: | UVA9045 |









|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Map Sum Spectrum** |  |  |  |  |  |  |  |  |
| Element | Line Type | Apparent Concentration | k Ratio | Wt% | Wt% Sigma | Standard Label | Factory Standard | Standard Calibration Date |
| C | K series | 24.89 | 0.24886 | 2.63 | 0.06 | C Vit | Yes |  |
| O | K series | 954.74 | 3.21281 | 25.25 | 0.11 | SiO2 | Yes |  |
| Cu | L series | 657.82 | 6.57816 | 69.68 | 0.15 | Cu | Yes |  |
| Ge | L series | 18.99 | 0.18994 | 2.44 | 0.13 | Ge | Yes |  |
| Total: |  |  |  | 100.00 |  |  |  |  |

