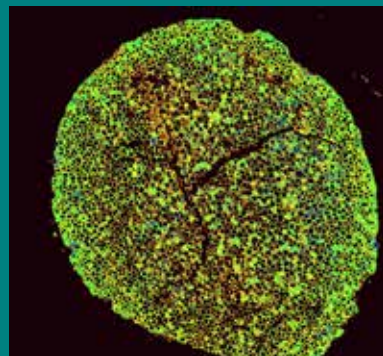
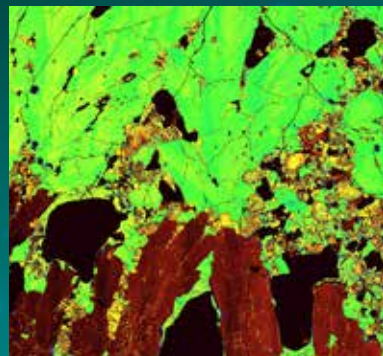
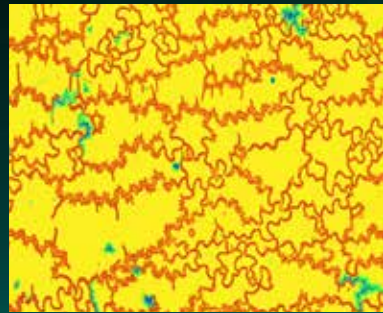


"We have used Probe for EPMA on our JEOL 8200 electron microprobe since 2005. We really enjoy using Probe for EPMA for both routine and difficult probe samples due to it's integrated design, many powerful quantitative features and flexible imaging capabilities. I highly recommend the Probe for EPMA software system."

Chi Ma
Senior Scientist,
California Institute of
Technology (CalTech)



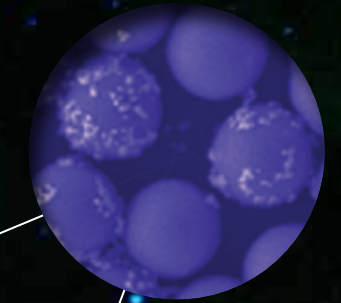
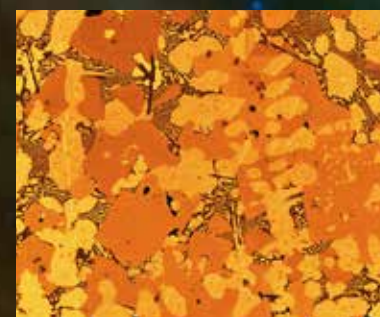
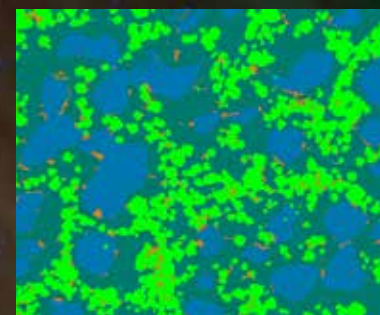
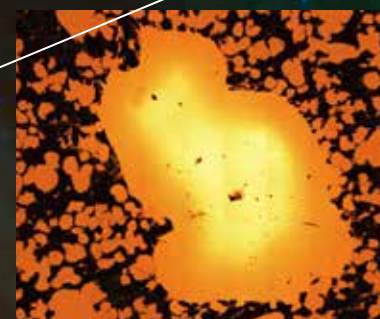
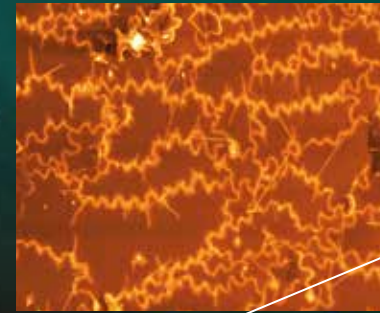
Probe Image Electron Microprobe Imaging and Mapping Software

A few of the many features offered:

- Acquire simultaneous analog signal or x-ray pulse count images of any size (limited only by available memory)
- Automatic mosaic feature
- Real time histogram and real world coordinate display
- Automatic Z stage position interpolation for multiple acquisition fields
- 2d histogram (concentration-concentration histograms) for phase discrimination with pixel traceback
- Import/Export TIF, PCX, BMP, IMG, GRD and user defined image files

Probe for EPMA and Probe Image;
the total solution for every analytical challenge!

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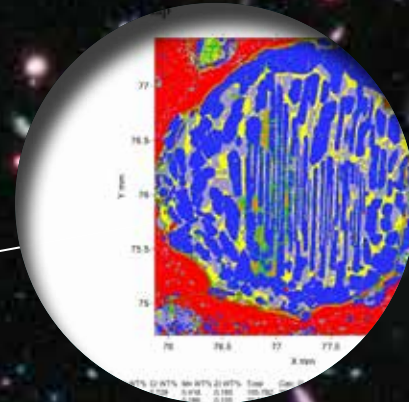
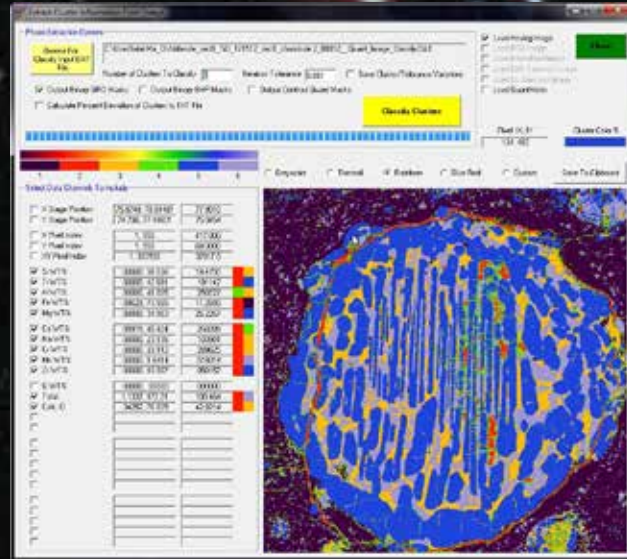


Probe Software Connects You to the Universe

Probe for EPMA and
Probe Image interface
simultaneously alongside
your existing JEOL
8900/8200/8500/8230/8530
or Cameca SX100/SXFive
instrument computer with
no modifications to your
current configuration.

Introducing **Hyper-Imaging**

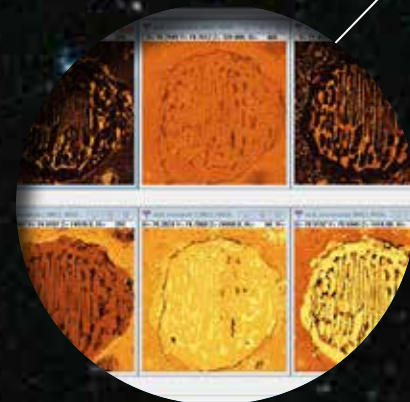
By utilizing our modified **Hartigan-Wong kmeans** variable precision clustering algorithm, your fully quantitative phase maps can be correlated with a large number of image, mapping and hypercube data sources.



Perform modal abundance calculations based on area or density normalized phases with automatic compositional matching to DHZ, NIST, Dana or user defined composition databases.



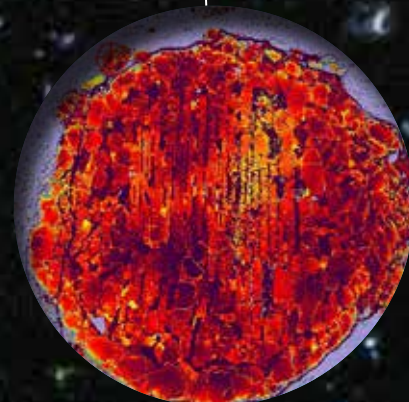
Visually associate quantitative composition to phase cluster colors using our unique "quantmeter" feature with various display options including normalized and log scaling.



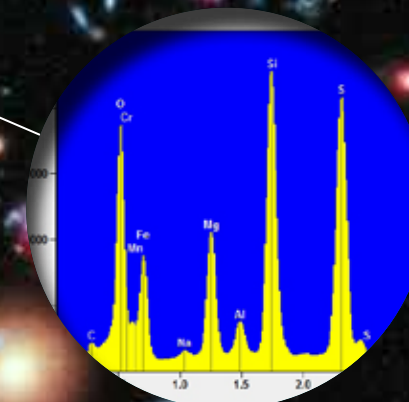
Correlate to raw intensity x-ray maps with our live stage coordinate and intensity cursor.

A circular inset showing a data table with columns for intensity and quant data. The table contains multiple rows of numerical data, likely representing the results of statistical clustering or filtering.

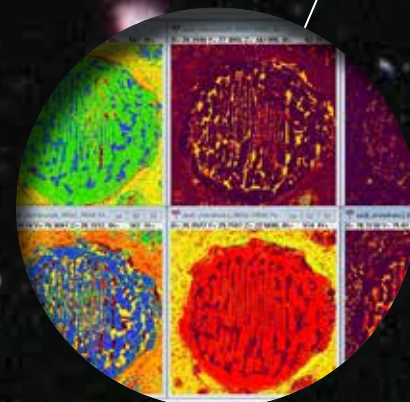
Perform statistical clustering on arbitrary sets of intensity or quant data based on user selection, compositional range or other filtering criteria.



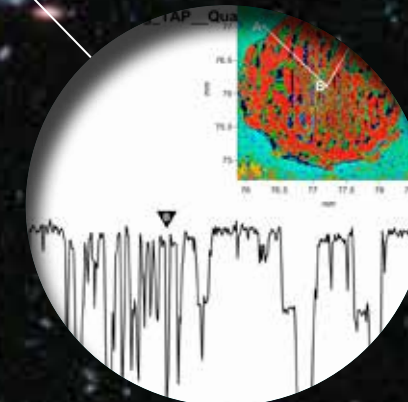
Correlate to BSE (and other analog signal or x-ray source) images regardless of the image resolution or stage extents based on real world stage coordinates.



Correlate WDS quant and cluster classification displays with hyper-spectral EDS data cubes based on real world stage coordinates regardless of map resolution or stage extents.



Correlate to deadtime, background, matrix and interference corrected fully quantitative x-ray maps based on stage coordinates.



Automatically generate presentation quality output for fast reporting with a few mouse clicks with slice, arbitrary polygon and user defined vertical and horizontal strip operations on fully quantitative x-ray map data.