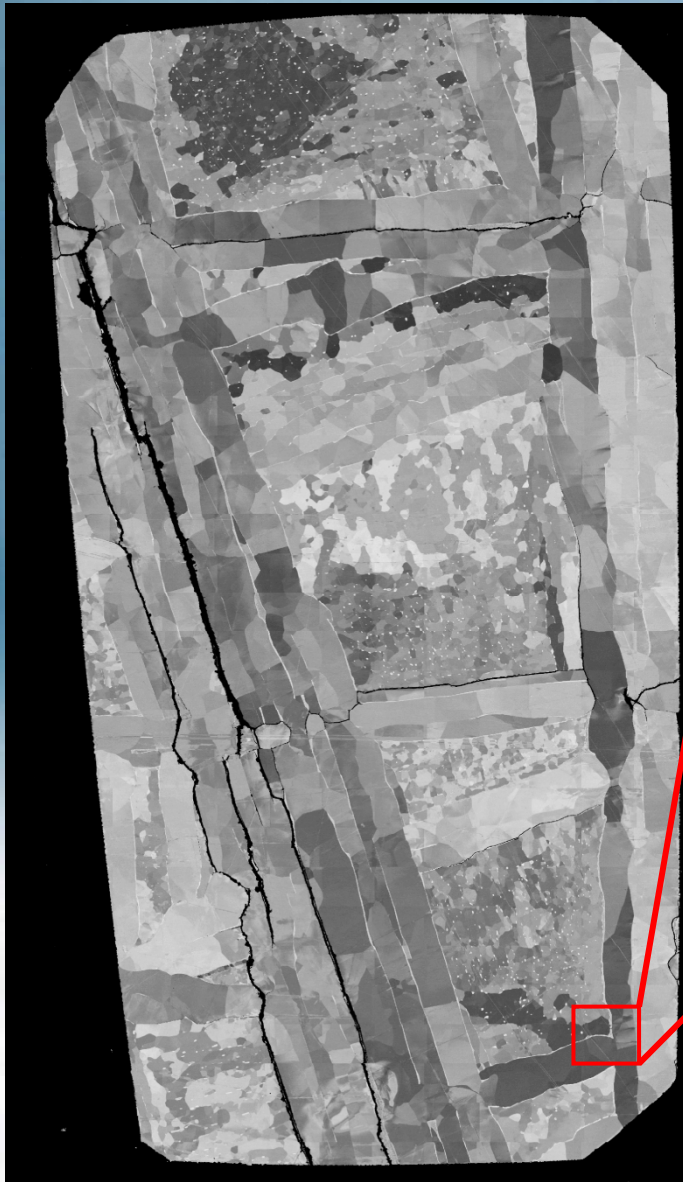
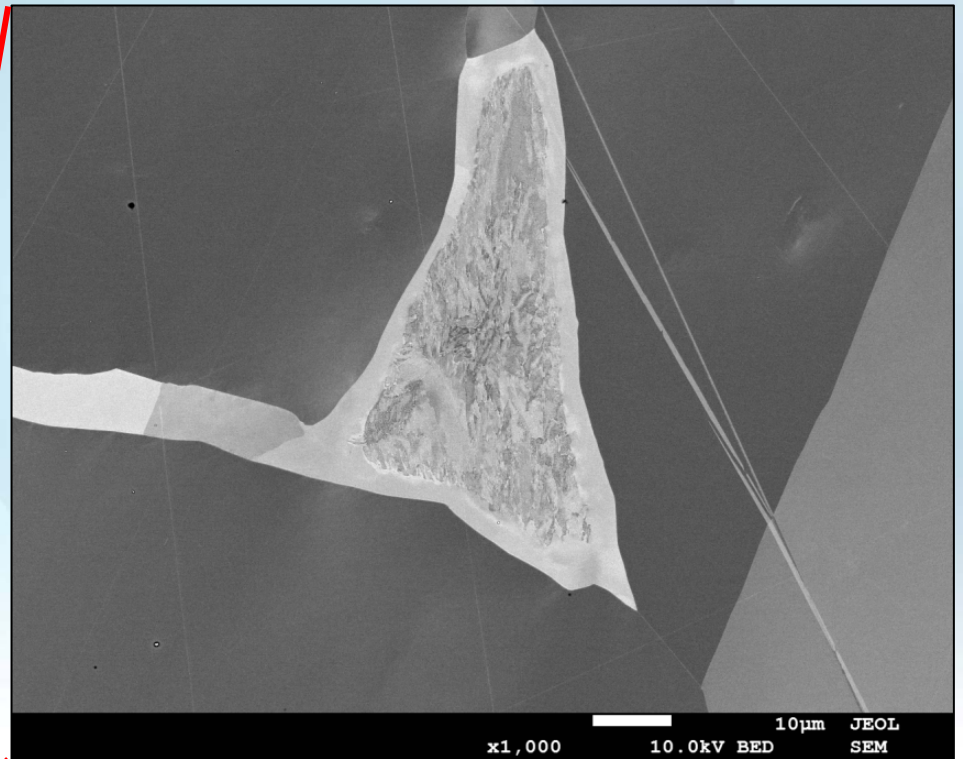
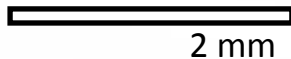


Polished Iron Meteorite

Sample courtesy of Professor Emeritus. Masahiro Kitada
Tokyo University of the Arts (Nara National Research
Institute for Cultural Properties)



FE SEM BSE Image



Low magnification image on the left is an automatically collected montage of 13 images X 30 images

Total Field of View

X : 4792.00 microns (4.8mm)

Y : 9567.85 microns (9.6mm)



Polished Iron Meteorite - EBSD Analysis

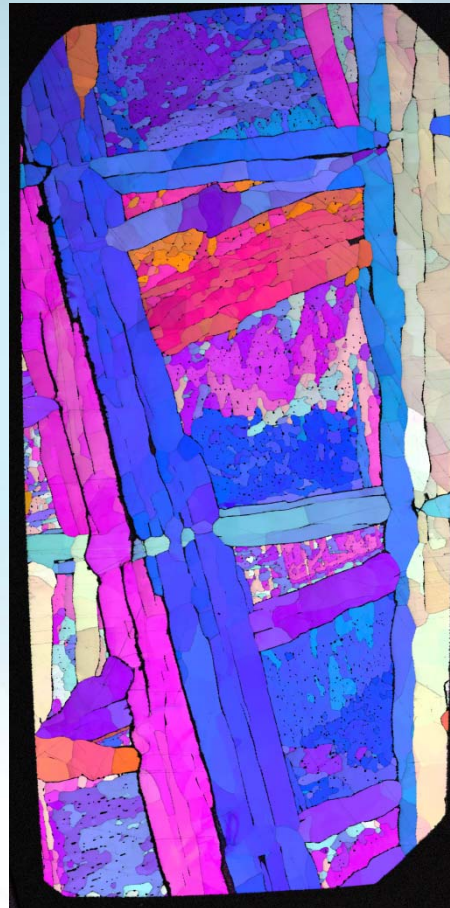
Image Quality



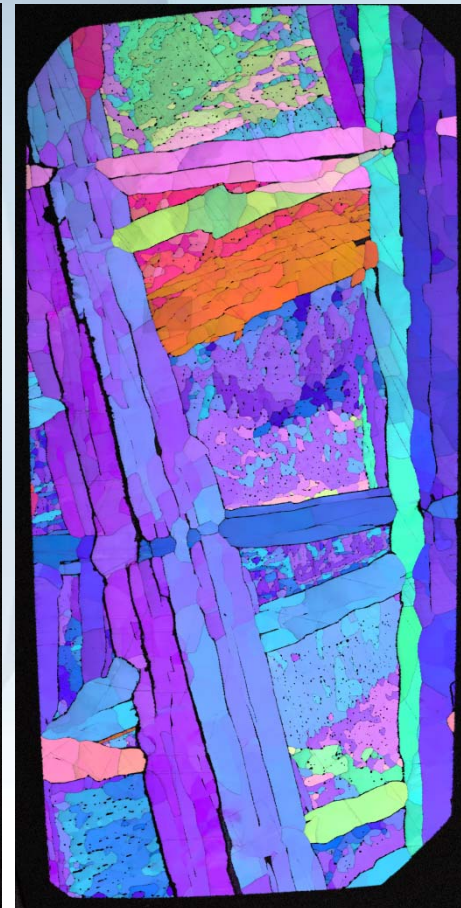
IPF Map (ND)



IPF Map (TD)



IPF Map (RD)



Total Field of View

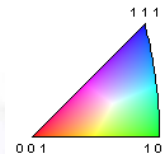
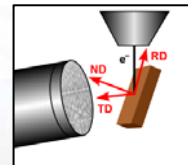
X : 4792.00 microns (4.8mm)

Y : 9567.85 microns (9.6mm)

Step Size : 4.00 microns

Number of Points: 3311456

Alpha Phase



Polished Iron Meteorite - EBSD Analysis

Image Quality



IPF Map (ND)



IPF Map (TD)



IPF Map (RD)



Total Field of View

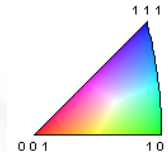
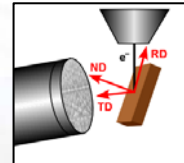
X : 4792.00 microns (4.8mm)

Y : 9567.85 microns (9.6mm)

Step Size : 4.00 microns

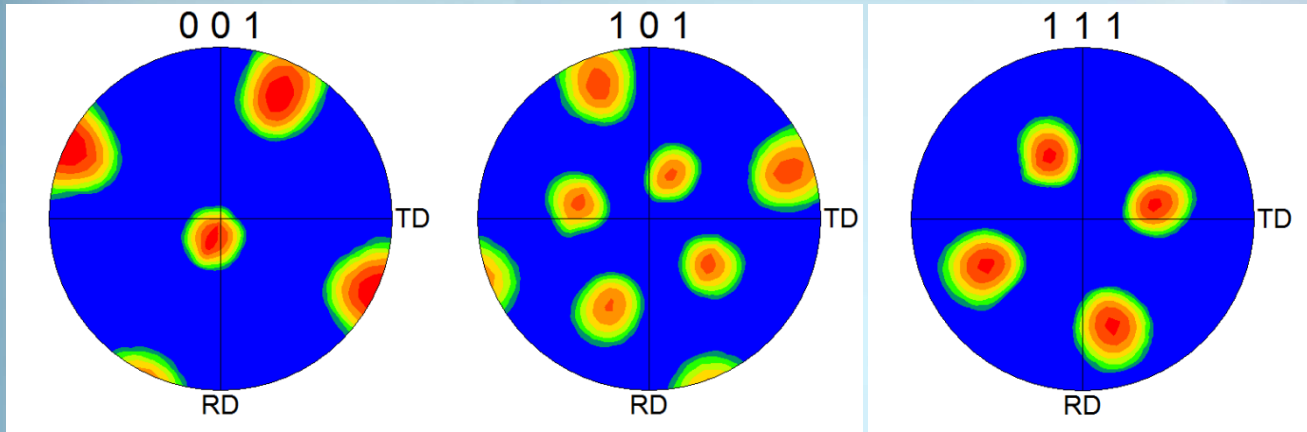
Number of Points: 3311456

Gamma Phase

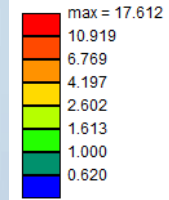


Polished Iron Meteorite – Pole Figures & IPFs

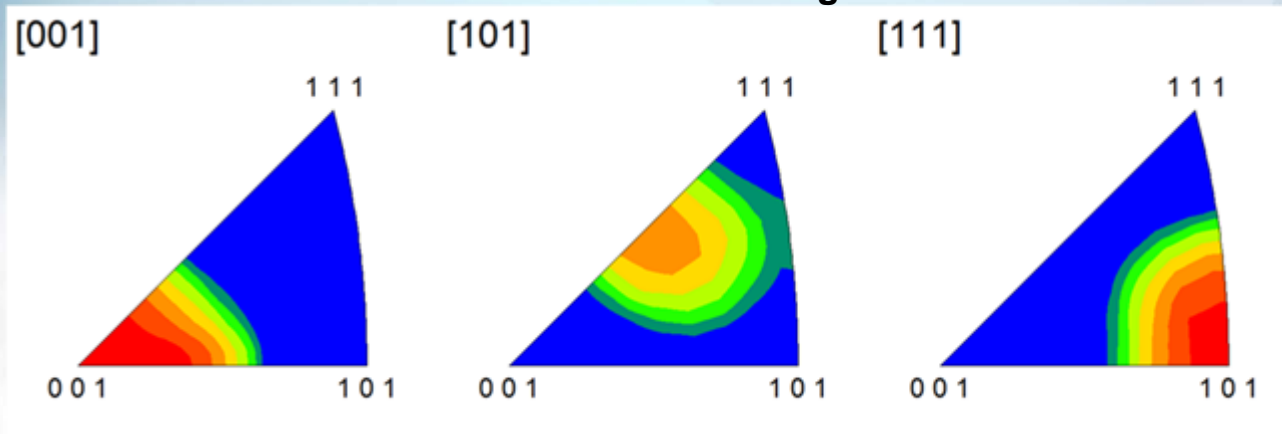
Pole Figures



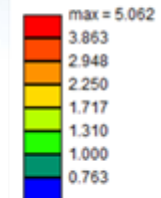
Texture Name: Binned; Size=5.0, HW=5.0
 Calculation Method: Discrete Binning
 Bin Size: 5.0°
 Gaussian Smoothing: 5.0°



Inverse Pole Figures



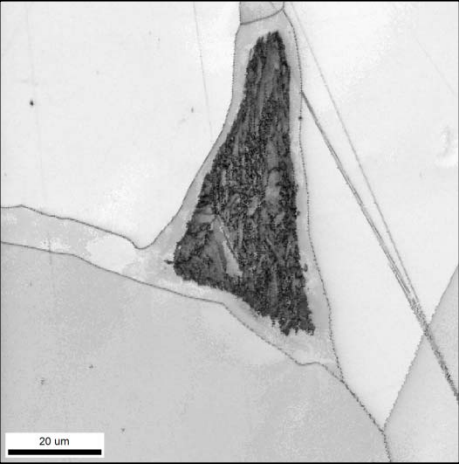
Texture Name: Binned; Size=5.0, HW=5.0
 Calculation Method: Discrete Binning
 Bin Size: 5.0°
 Gaussian Smoothing: 5.0°



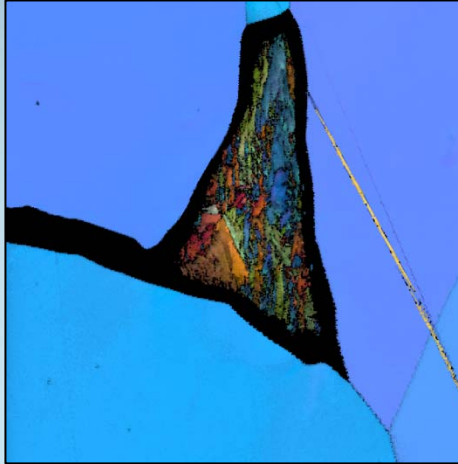
Gamma phase showing strong preferred orientation

Polished Iron Meteorite - EBSD Analysis (Higher Mag)

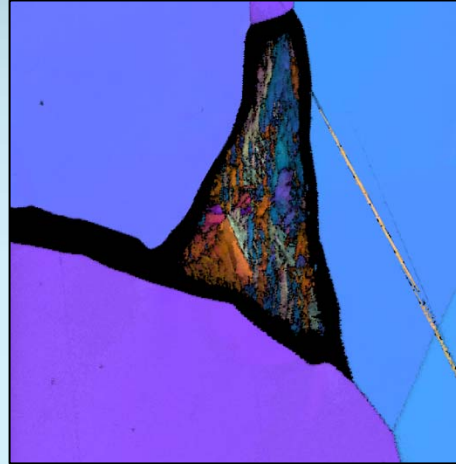
Image Quality



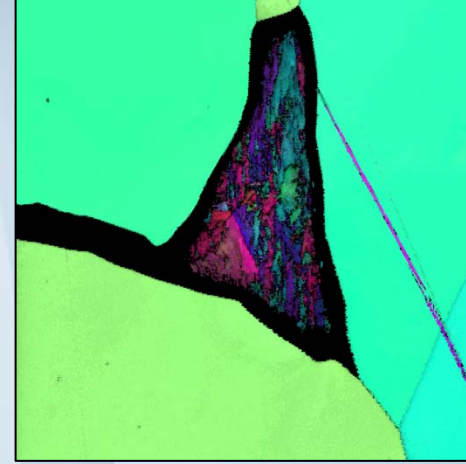
IPF Map (ND)



IPF Map (TD)

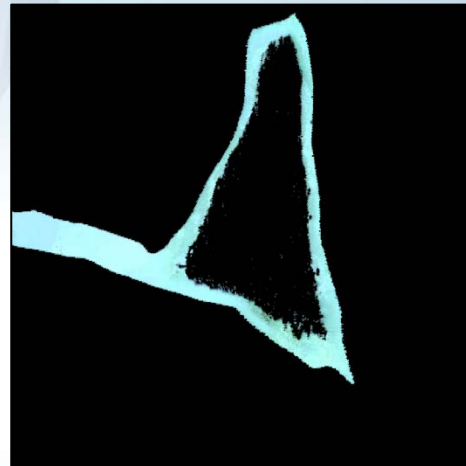
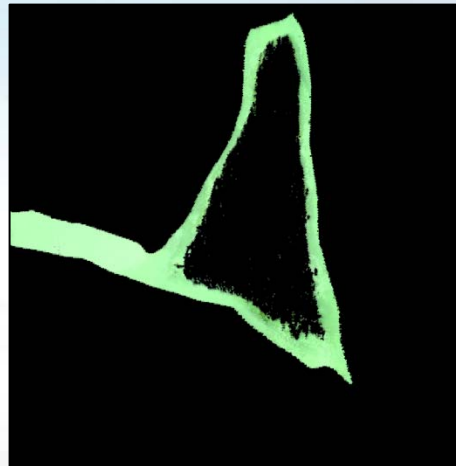
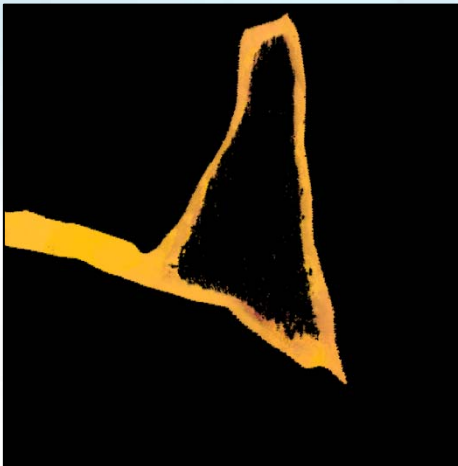


IPF Map (RD)



Alpha Phase

Field of View
X 98.70 microns
Y 99.51 microns
Step Size 0.30 microns
Number of points 126528



Gamma Phase

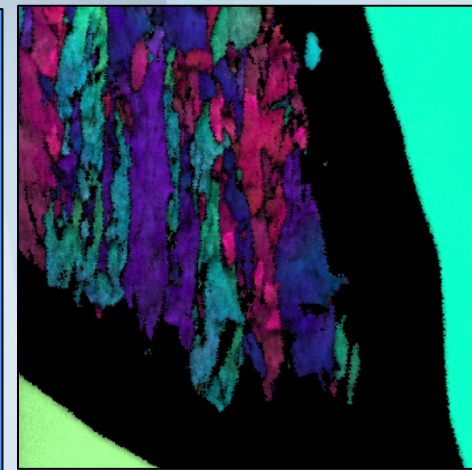
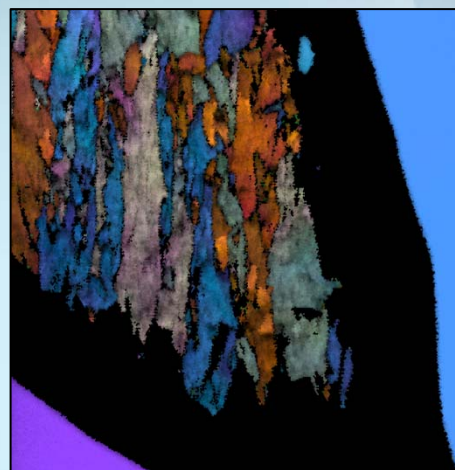
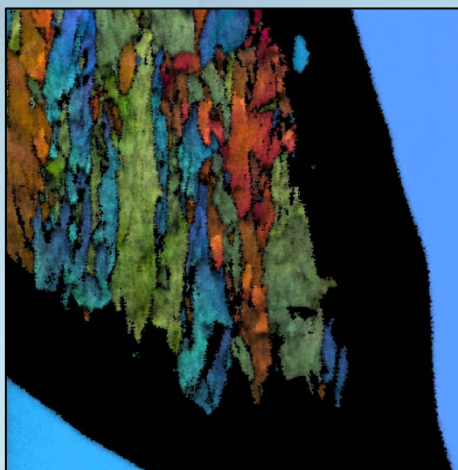
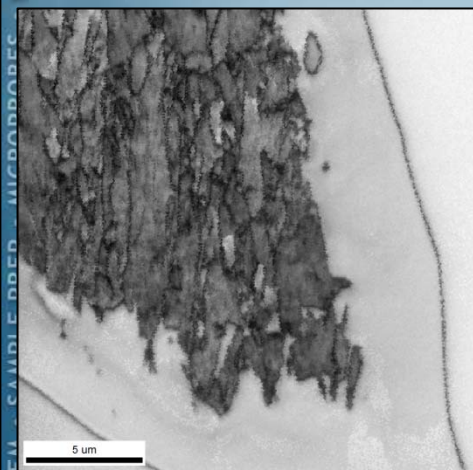
Polished Iron Meteorite - EBSD Analysis (Higher Mag)

Image Quality

IPF Map (ND)

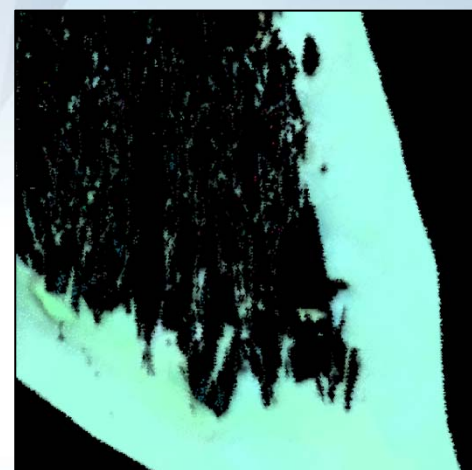
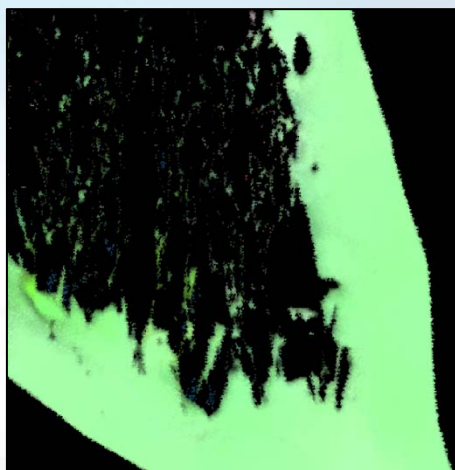
IPF Map (TD)

IPF Map (RD)



Alpha Phase

Field of View
X 19.74 microns
Y 19.94 microns
Step Size 70.00 nm
Number of Points 92943



Gamma Phase