EBSD

Sample
Coating None

Standards
No of standards 66
Calib.date Uncalibrated
Calib.time Uncalibrated
HV 15.0 kV
Geometry OK
ESL-506-15k'

Microscope
WD 16.581 mm
Magn. 1937.8 x
HV 10.0 kV

Scan
Dwell time 16 µs
Frame time 1.9 s
Drift qual. --- %
Size 400 px
--- %

EDS 1
20 keV
30 kcps
-30.0 °C
32.9 kcps

EDS 2
20 keV
30 kcps
-25.0 °C
ICR 87 kcps

EBSD
DD 174.53 mm
Tilt 1.8 °
Board temp. 47.9 °
Camera temp. 55.3 °
Frame rate --- fps
Size 400 px

Report
Report 1
Page 1
empty
Report_0

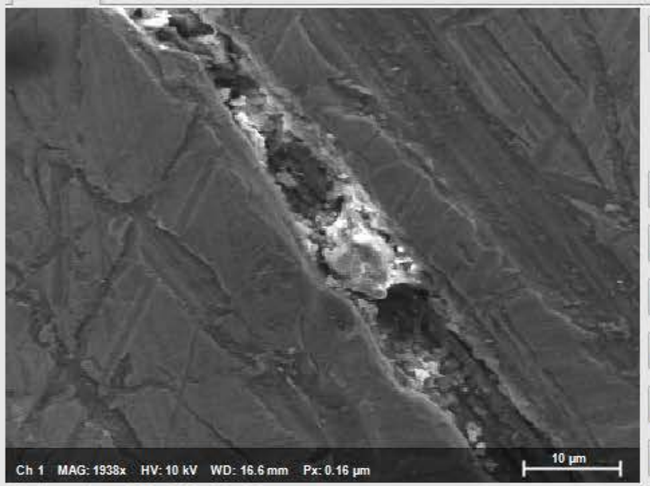
Project (mod.) 1/25/2022 2:40 PM 11 kE
Map result table
Element information 3/10/2022 4:33:52 PM Al Si S

Preview | Capture | Signal setup | Calibration

RIGHT CLICK TO OPEN DRIFT CORRECTION

DRIFT CORRECTION STATE
Start Img. | Comp. Img. | Log
Quality:
Close

Ch 1 | Map



Continuously 400 x 300 66 x 49 µm

Statistics | Boundary | Spot mode | Texture | Inspector | MO
Map info | MO distribution | Grain statistics

Detector type	Standard EBSD
Total map resolution	400x300 (= 120000)
Total map size [µm²]	n/a (missing pixel size)
no. of measured poir	0 (0%)
EBSP resolution	400x400
With EDS	no
Exposure time	25 ms
Hit rate	100 %
Req. no. of indexed b	5
Max. BMM	1.8
High voltage	10 kV

Phase distribution

Name	raw	norm
Quartz	-	-
Calcite	-	-
Dolomite	-	-
Plagioclase New	-	-
Pyrite	-	-
Illite	-	-
zero solutions	0 %	

	Identifier	IT#	Space gro
1	Quartz	180	P $6_2$22
2	Calcite	167	R $\bar{3}$c
3	Dolomite	148	R $\bar{3}$
4	Plagiocla...	2	P $\bar{1}$

Micr. image | Pattern quality | Phase map | IPFXMap | IPFYMap | IPFZMap | Euler | Schmid factor | Grains | MO average | MO to reference | MO kernel

Type here to search | Drift_Correction_So... | EBSD | Untitled - Paint 3D | 11:24 AM 3/23/2022

EBSD

Sample — Coating None

Standards — No of standards 66; Calib.date Uncalibrated; Calib.time Uncalibrated; HV 15.0 kV; Geometry OK; ESL-506-15k'

Microscope — WD 16.581 mm; Magn. 1937.8 x; HV 10.0 kV

Scan — Dwell time 16 µs; Frame time 1.9 s; Drift qual. --- %; Size 400 px

EDS 1 — 20 keV; 30 kcps; -30.0 °C; --- s; --- s

EDS 2 — 20 keV; 30 kcps; -25.0 °C; --- s; --- s; 87 kcps

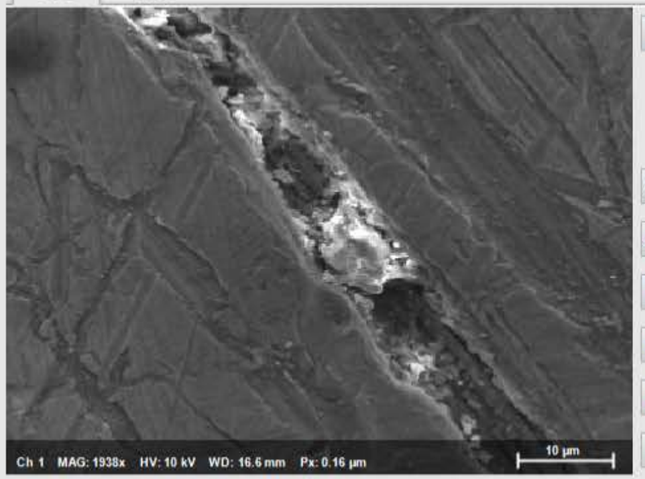
EBSD — DD 174.52 mm; Tilt 1.8 °; Board temp. 47.9 °; Camera temp. 55.4 °; Frame rate --- fps; Size 400 px

Report — Report 1; Page 1; empty; Report_0

Project (mod.) 1/25/2022 2:40 PM 11 kE
Map result table
Element information 3/10/2022 4:33:52 PM Al Si S

Preview | Capture | Signal setup

Ch 1 | Map



Continuously 400 x 300 66 x 49 µm

SCAN CONFIGURATION

Image resolution [pixel] 400
Image inputs Ch 1 / None
Power synchronization

Imaging
Dwell time [µs] 16
Line average 1
Image capture time 1.9 s

Hardware inputs
1:
2:
3:

Mapping
Dwell time [µs]
Line average
Mapping scan time

Line scan
Dwell time [µs]

Drift correction

IMAGE DRIFT CORRECTION

Image input priority
Ch 1
Ch 2
Argus

Settings

	Interval	Mode
Image/EDS map	5	Seconds
Line scan	5	Seconds
Objects	5	Seconds
EBSD map	5	Seconds

Dwell time: Automatic; 1 µs

Local search
for Example: periodic structures

Stop mode: Relative value; Fixed value 50 %

Log location
Save log

OK | Cancel

Statistics | Boundary | Spot mode | Texture | Inspector | MO

Map info | MO distribution | Grain statistics

Standard EBSD	
400x300 (= 120000)	
n/a (missing pixel size)	
0 (0%)	
400x400	
no	
25 ms	
100 %	
5	
1.8	
10 kV	

Name	raw	norm
Quartz	-	-
Calcite	-	-
Dolomite	-	-
Plagioclase New	-	-
Pyrite	-	-
Illite	-	-
zero solutions	0 %	

	Identifier	IT#	Space gro
1	Quartz	180	P 6₂22
2	Calcite	167	R 3̄c
3	Dolomite	148	R 3̄
4	Plagiocla...	2	P 1̄

Micr. image | Pattern quality | Phase map | IPFXMap | IPFYMap | IPFZMap | Euler | Schmid factor | Grains | MO average | MO to reference | MO kernel

Type here to search | PKBACK# 001 (H:) | EBSD | 11:20 AM 3/23/2022