

EDS data for Asahi float glass

Sample 1

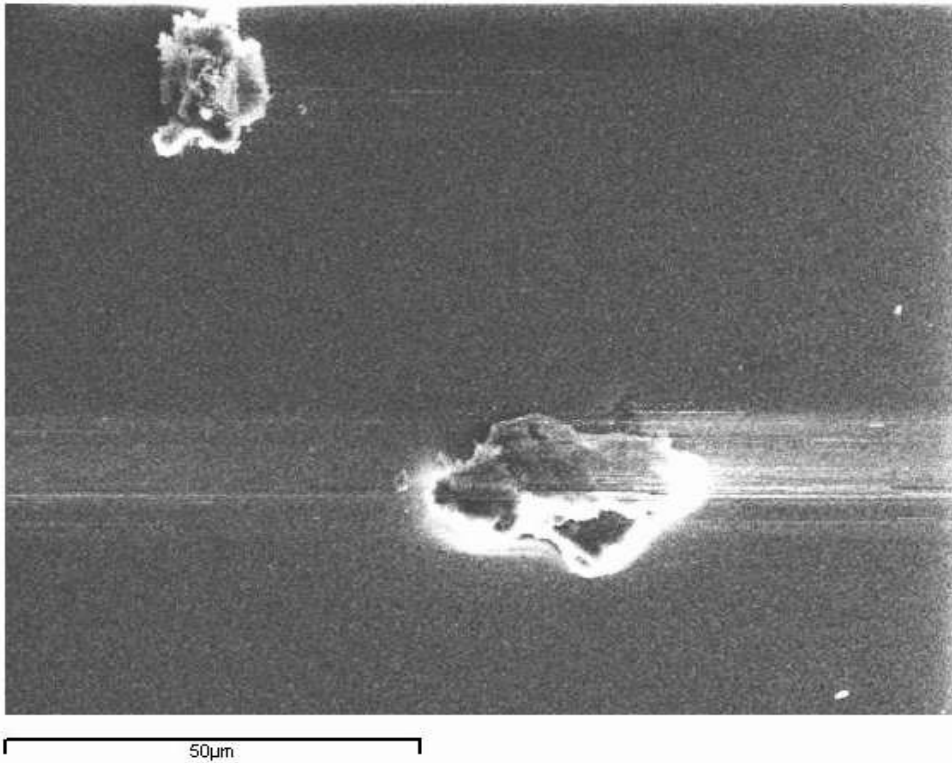
Element	Weight%	Atomic%
O K	58.09	69.87
Na K	9.17	7.68
Mg K	2.85	2.25
Al K	0.7	0.5
Si K	27.75	19.01
Ca K	1.44	0.69
Totals	100	

Sample 2

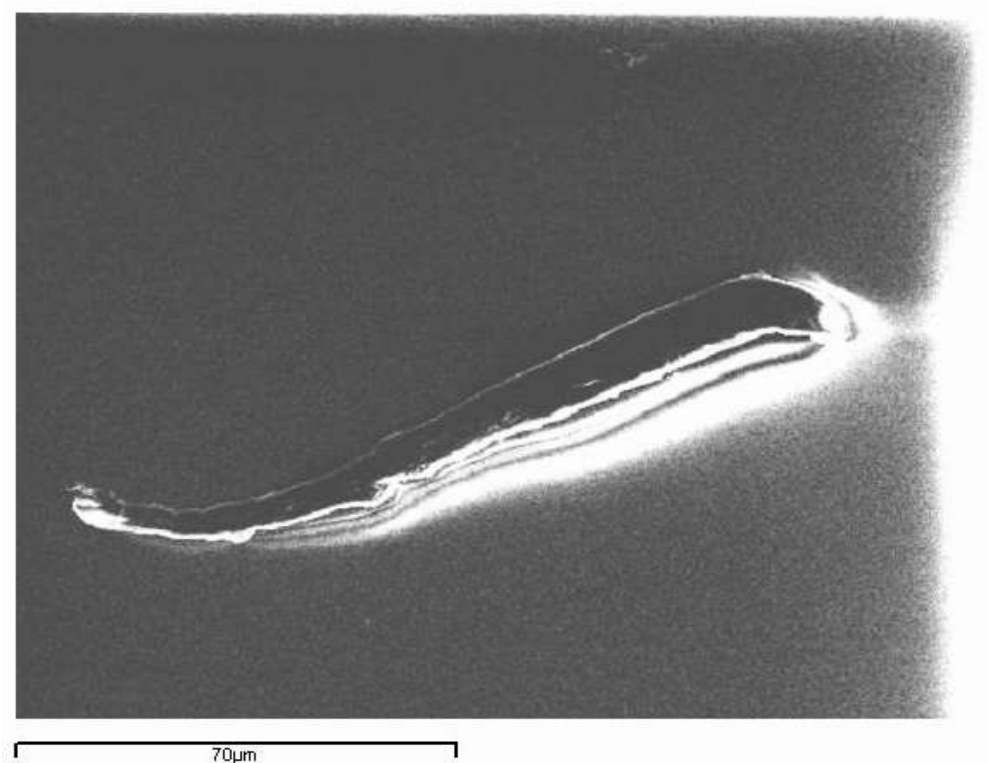
Element	Weight%	Atomic%
O K	58.44	70.12
Na K	9.33	7.79
Mg K	3.01	2.38
Al K	0.61	0.43
Si K	27.24	18.62
Ca K	1.36	0.65
Totals	100	

SEM pictures of Asahi float glass - Sample 1

Region 1



Region 2



SEM and EDS of Asahi float glass - Sample 2

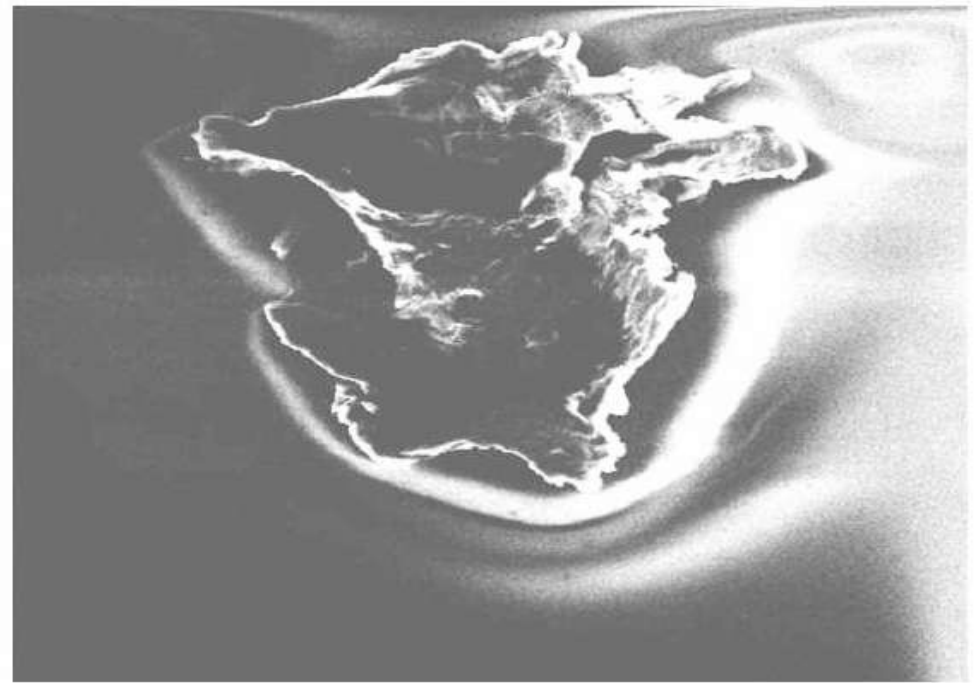
Region 1



10µm

Element	Weight %	Atomic %
C K	11.16	17.1
O K	49.87	57.37
Si K	38.97	25.53
Totals	100	

Region2

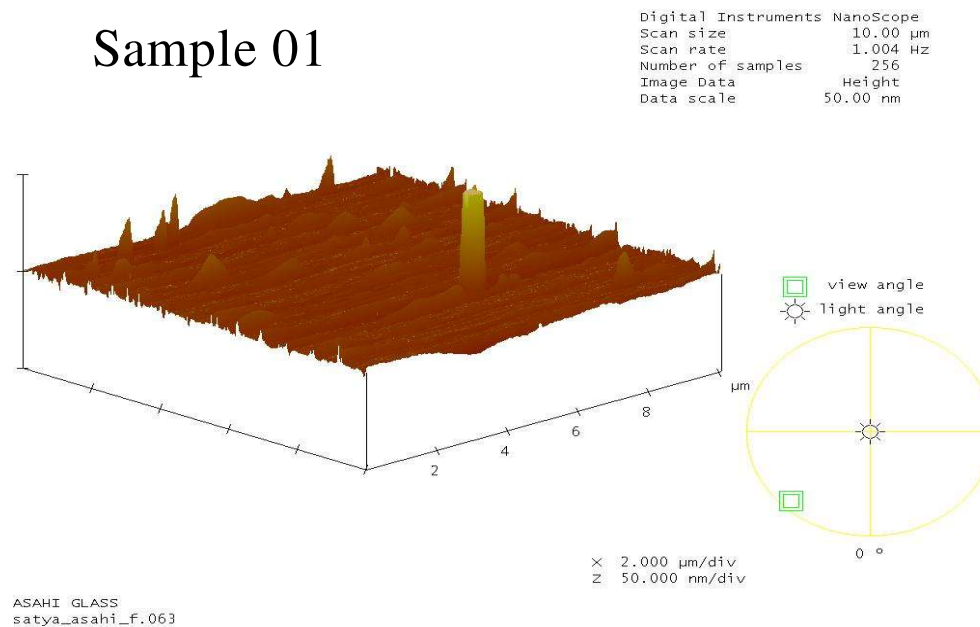


50µm

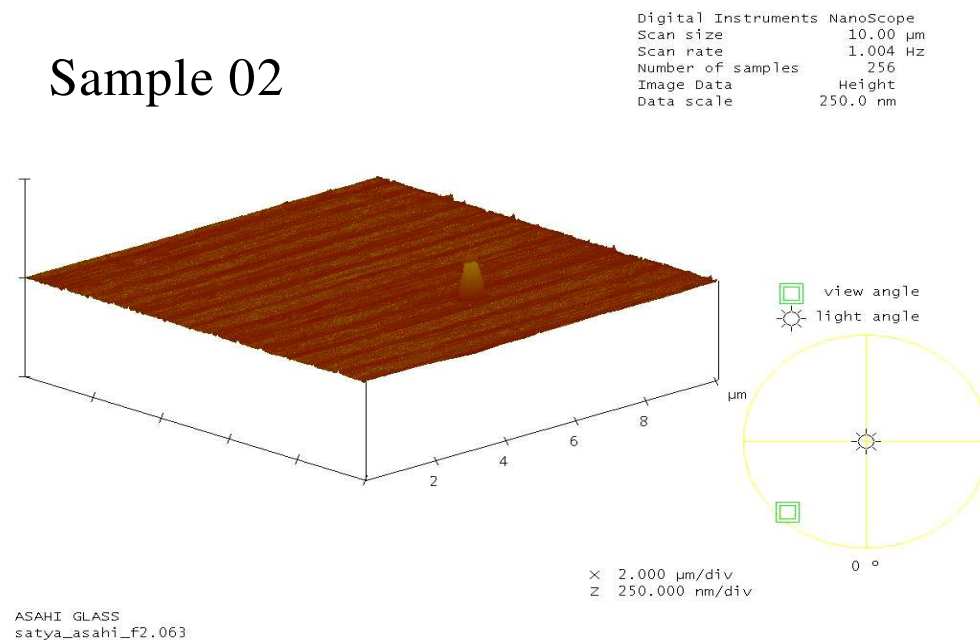
Element	Weight %	Atomic %
O K	59.97	72.45
Si K	40.03	27.55
Totals	100	

AFM pictures for Asahi float glass

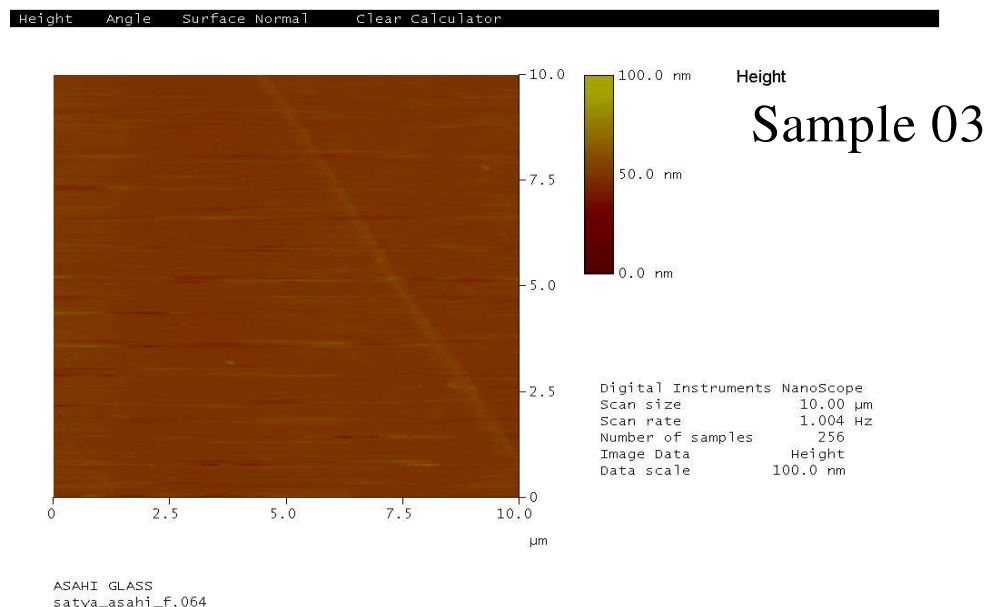
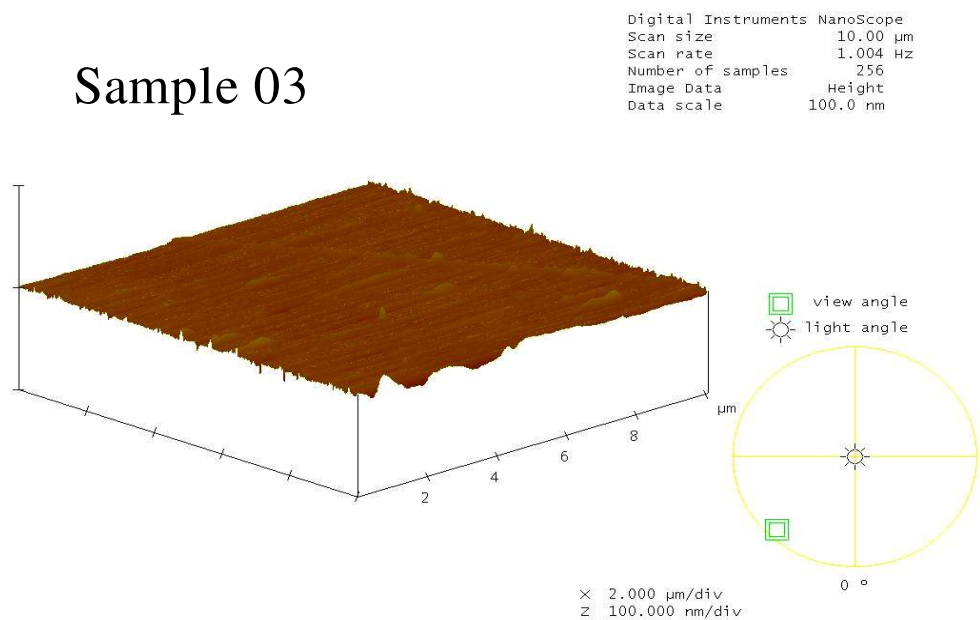
Sample 01



Sample 02



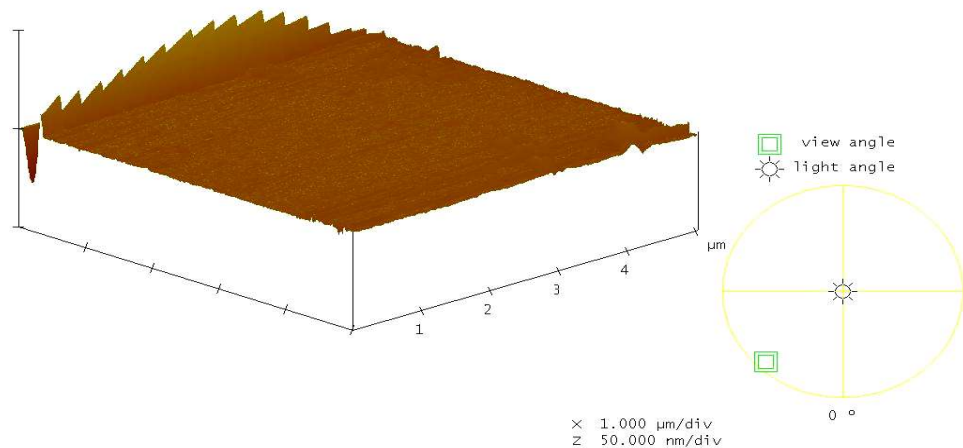
Sample 03



AFM pictures for Asahi float glass

Sample 05

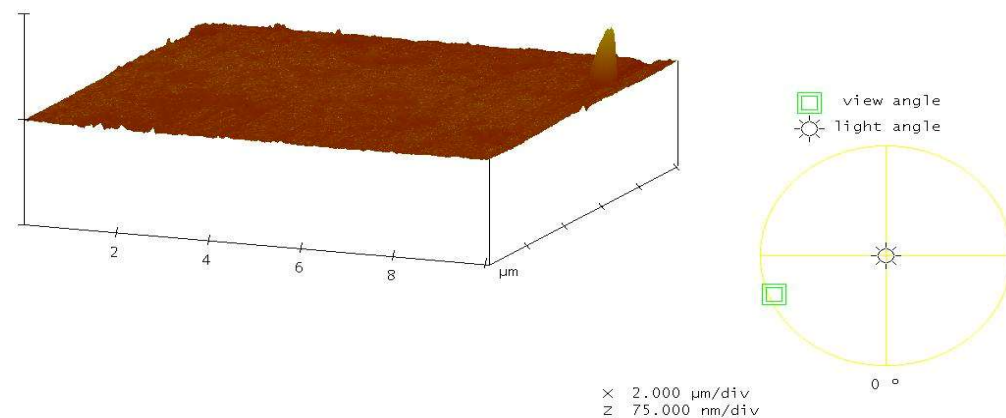
Digital Instruments NanoScope
Scan size 5.000 μm
Scan rate 1.004 Hz
Number of samples 256
Image Data Height
Data scale 50.00 nm



ASAHI GLASS 2
satya_asahi_f.066

Sample 06

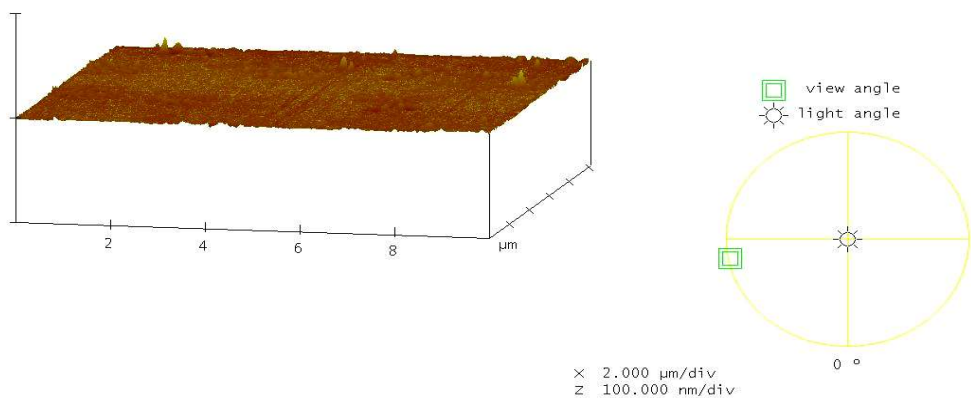
Digital Instruments NanoScope
Scan size 10.00 μm
Scan rate 1.004 Hz
Number of samples 256
Image Data Height
Data scale 75.00 nm



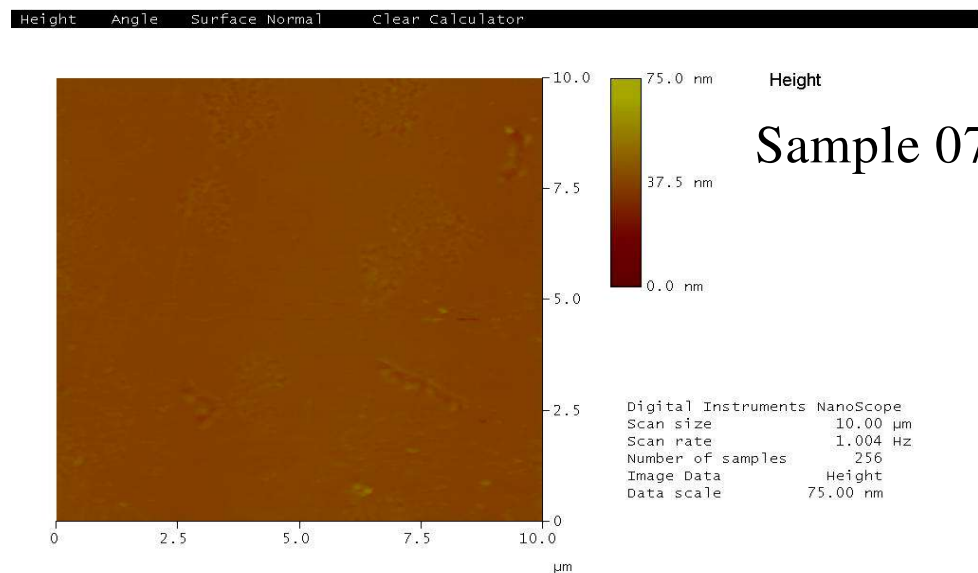
ASAHI GLASS 2
satya_asahi_f.067

Sample 07

Digital Instruments NanoScope
Scan size 10.00 μm
Scan rate 1.004 Hz
Number of samples 256
Image Data Height
Data scale 100.0 nm



ASAHI GLASS 2
satya_asahi_f.068



ASAHI GLASS 2
satya_asahi_f.068

EDS data for Modi glass

Sample 1

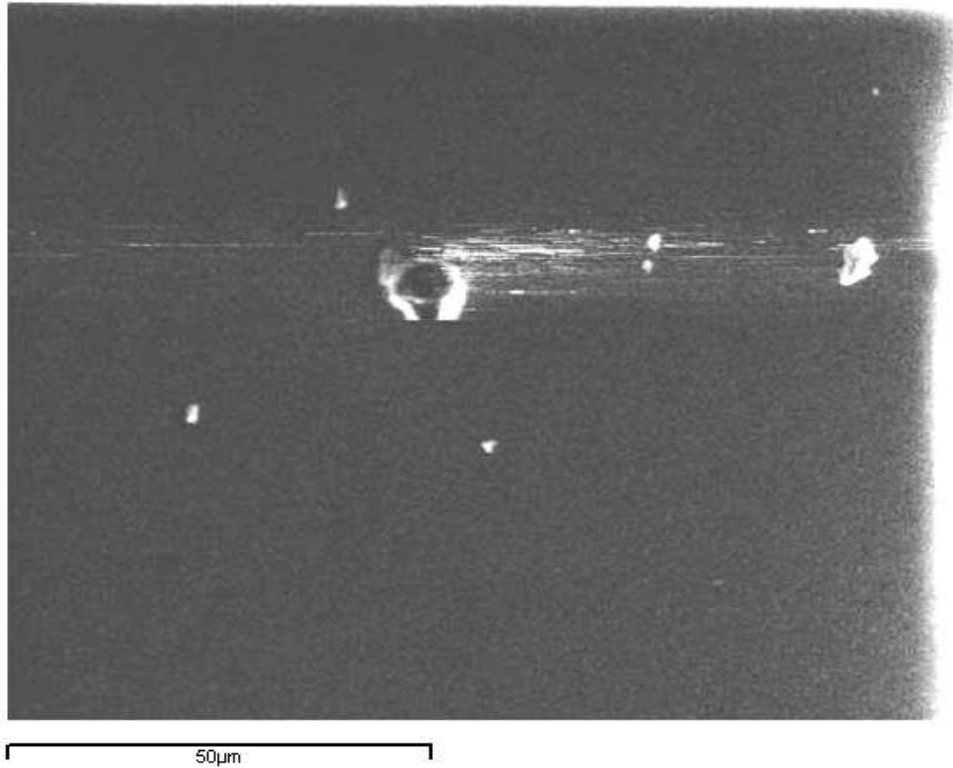
Element	Weight%	Atomic%
O K	59.45	71.01
Na K	10.28	8.55
Mg K	2.28	1.79
Si K	26.08	17.75
Ca K	1.9	0.91
Totals	100	

Sample 2

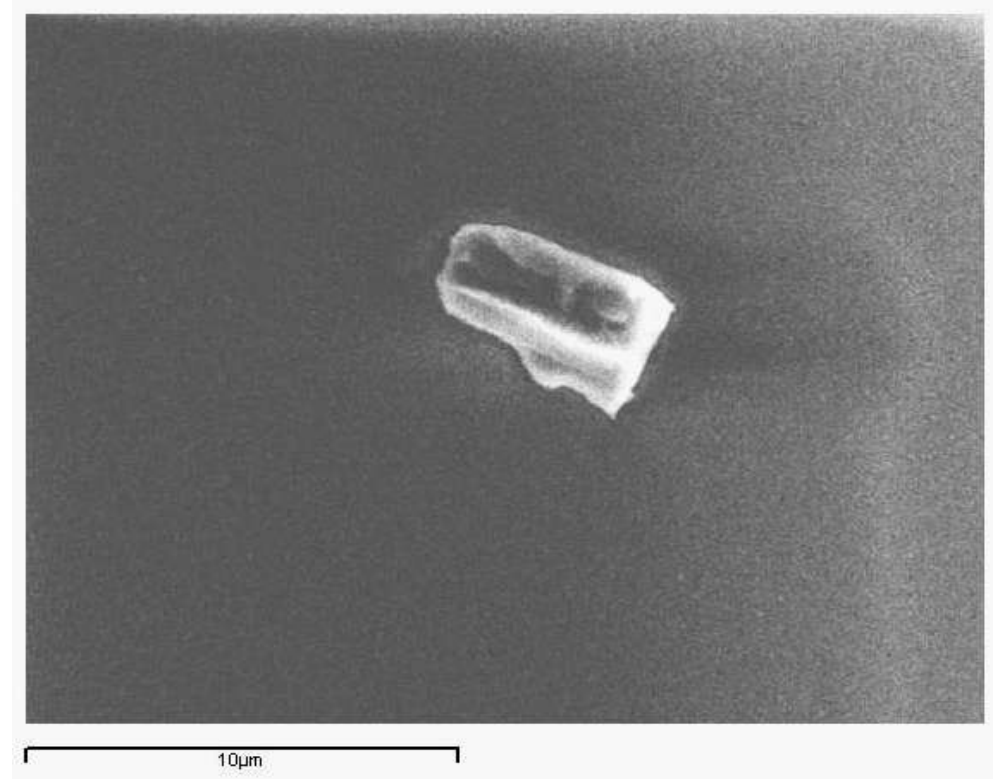
Element	Weight%	Atomic%
C K	4.46	6.68
O K	64.52	72.6
Na K	4.18	3.27
Mg K	2.37	1.76
Si K	24.47	15.69
Totals	100	

SEM pictures of Modi glass - Sample 1

Region 1

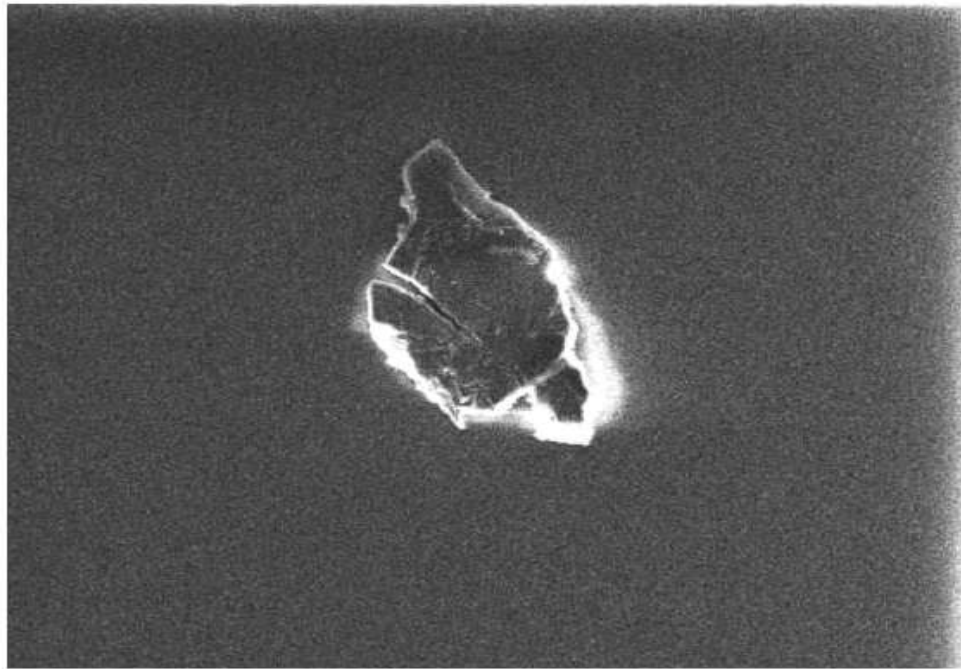


Region 2



SEM and EDS of Modi glass - Sample 2

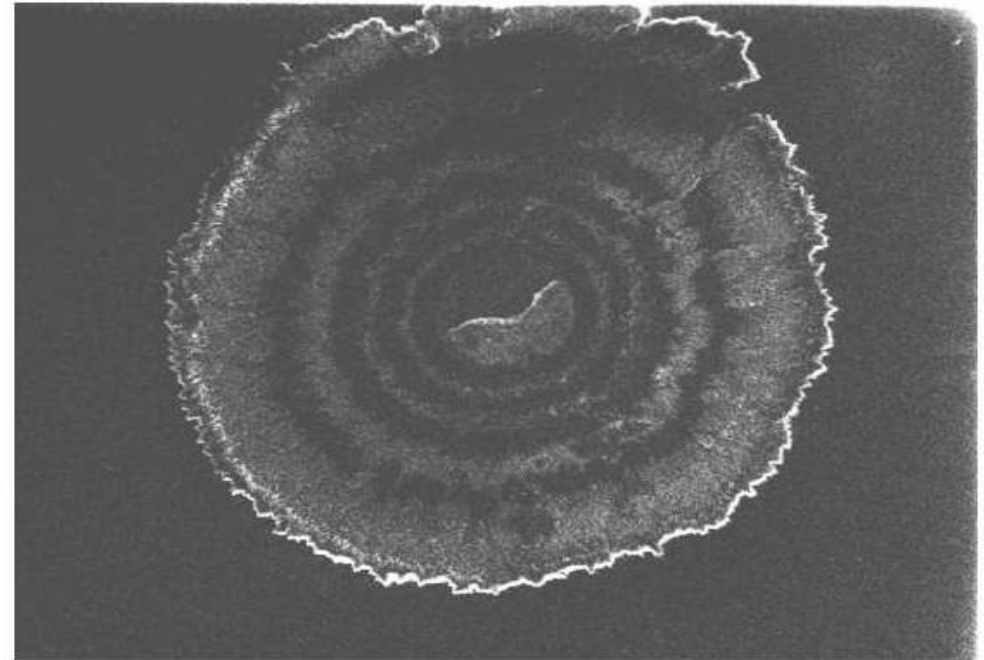
Region 1



50µm

Element	Weight %	Atomic %
C K	67.1	73.09
O K	32.9	26.91
Totals	100	

Region2



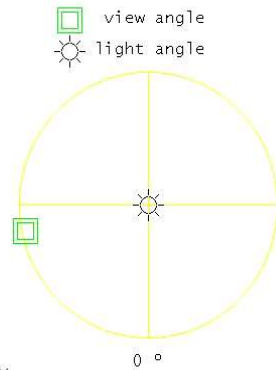
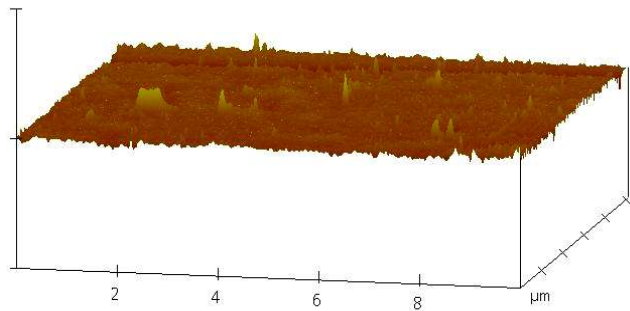
60µm

Element	Weight %	Atomic %
O K	61.27	72.14
Mg K	18.07	14
Si K	20.66	13.86
Totals	100	

AFM pictures for Modi glass

Sample 01

Digital Instruments NanoScope
Scan size 10.00 μm
Scan rate 1.004 Hz
Number of samples 256
Image Data Height
Data scale 200.0 nm

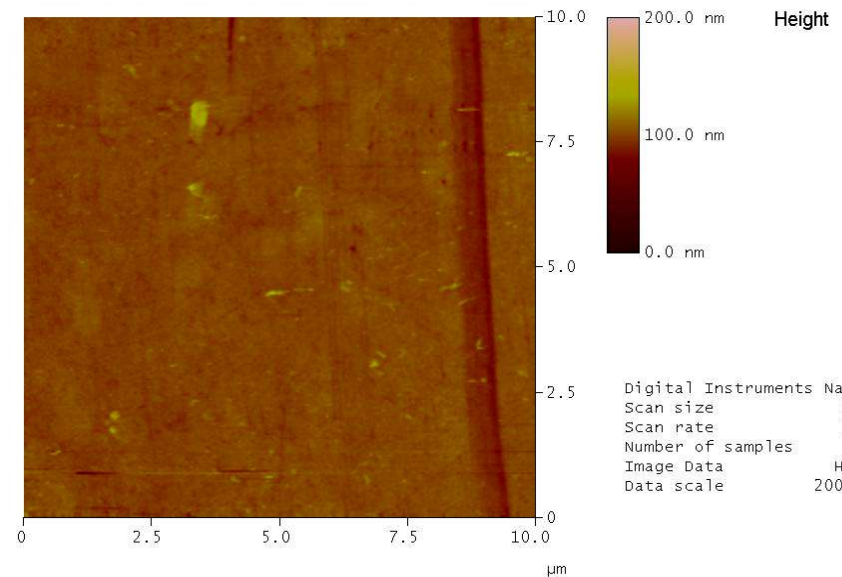


X 2.000 $\mu\text{m}/\text{div}$
Z 200.000 nm/div

ASAHI MODI 1
satya_modi_f.069

Sample 01

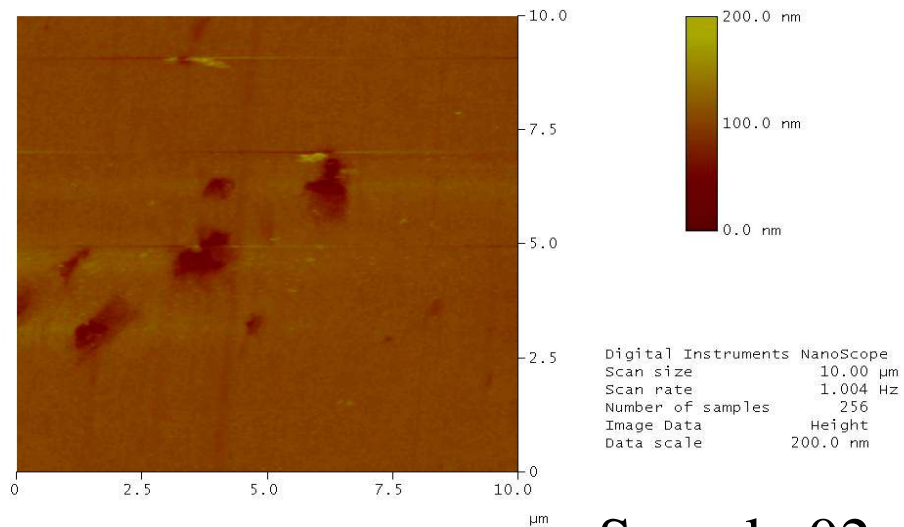
Height Angle Surface Normal Clear Calculator



Digital Instruments NanoScope
Scan size 10.00 μm
Scan rate 1.004 Hz
Number of samples 256
Image Data Height
Data scale 200.0 nm

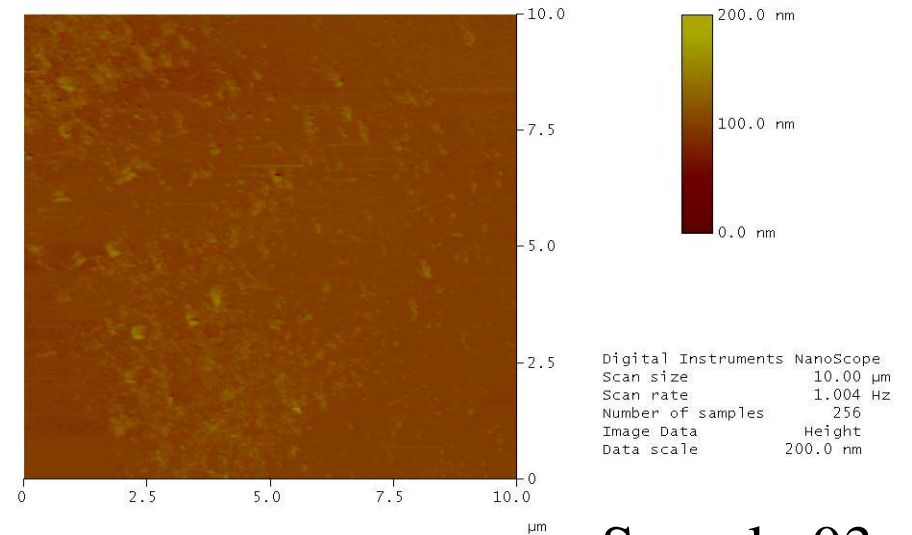
ASAHI MODI 1
satya_modi_f.069

AFM pictures for Modi glass



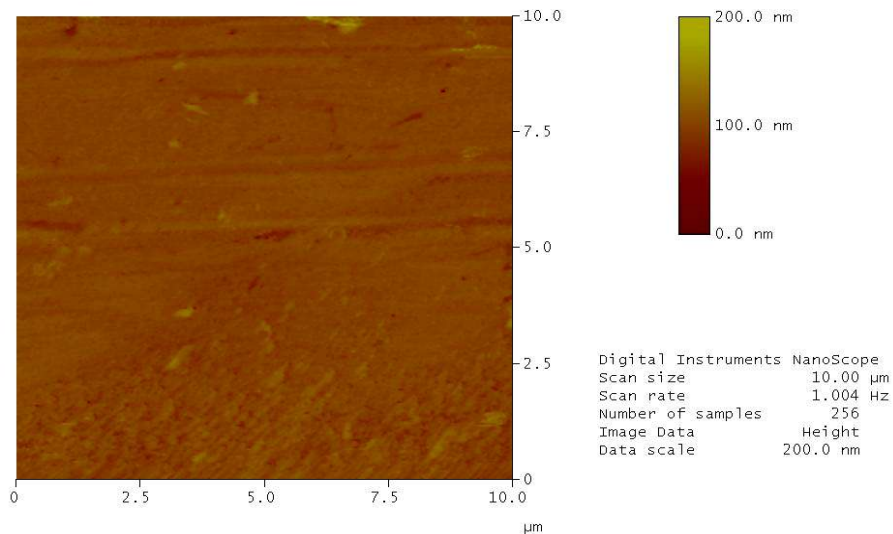
Sample 02

ASAHI MODI 1
satya_modi_f.070



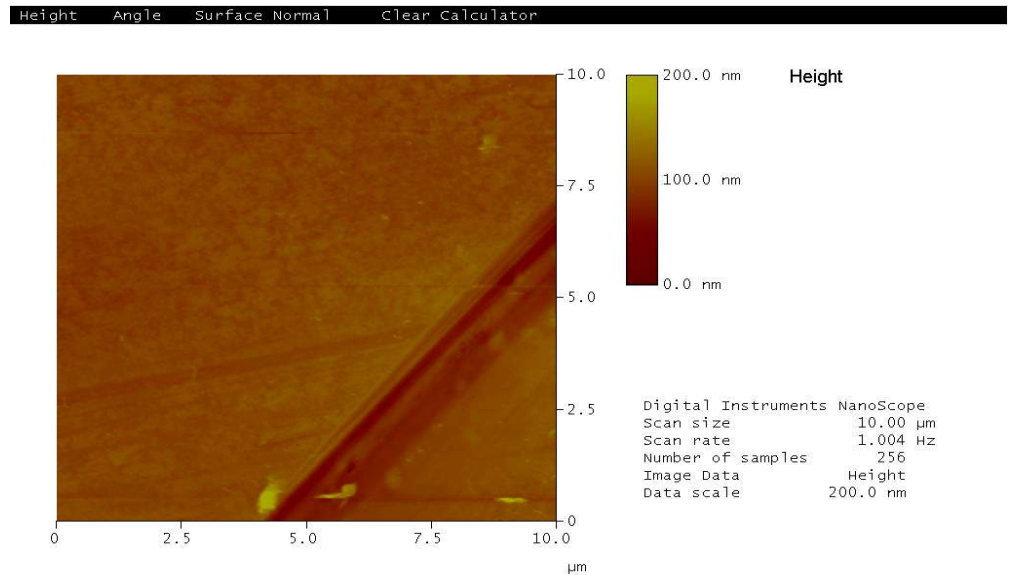
Sample 03

MODI 2
satya_modi_f.071



Sample 04

MODI 2
satya_modi_f.073



Sample 05

MODI 2
satya_modi_f.074

EDS data for Japanese glass

Sample 1

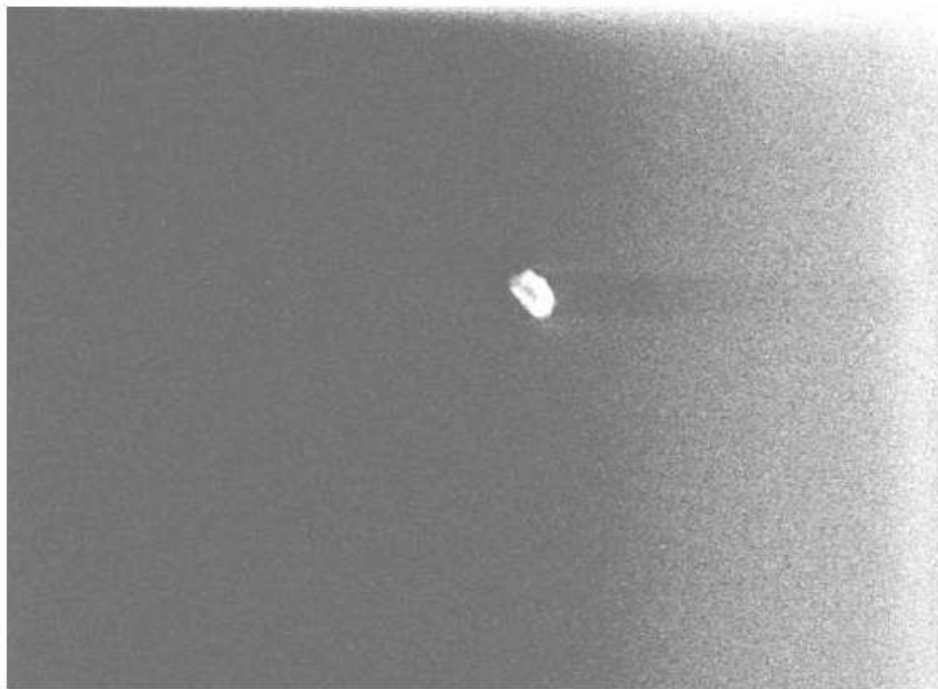
Element	Weight %	Atomic %
O K	62	72.89
Na K	9.29	7.6
Mg K	2.47	1.91
Al K	0.99	0.69
Si K	25.26	16.92
Totals	100	

Sample 2

Element	Weight %	Atomic %
O K	62.34	73.41
Na K	8.79	7.2
Mg K	1.87	1.45
Al K	0.67	0.47
Si K	25.42	17.05
Ca K	0.91	0.43
Totals	100	

SEM and EDS for Japanese glass - Sample 1

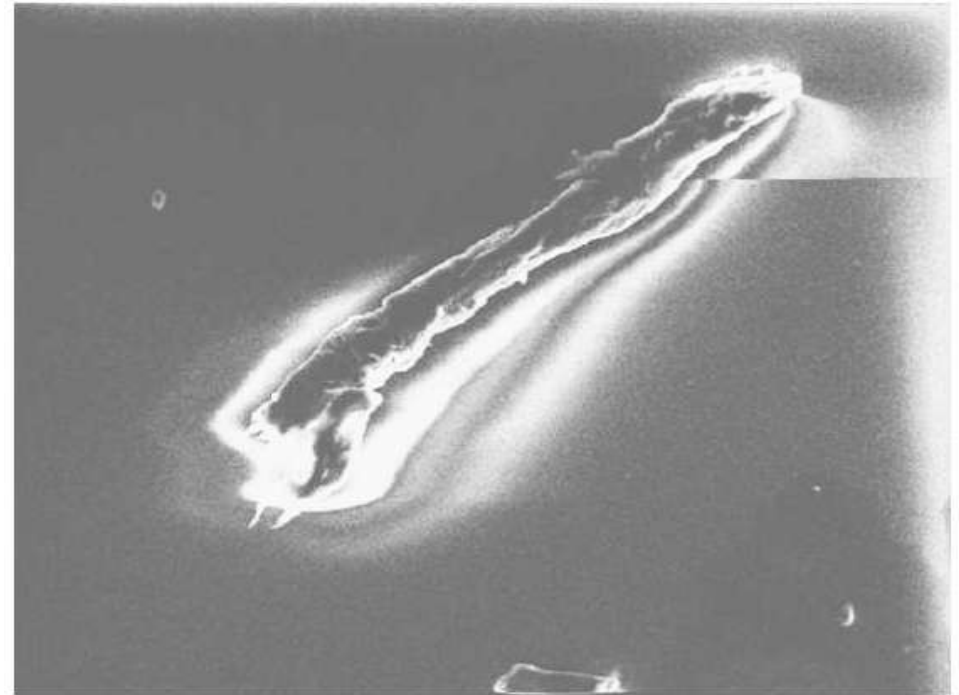
Region 1



10μm

Element	Weight %	Atomic %
C K	68.86	74.66
O K	31.14	25.34
Totals	100	

Region2

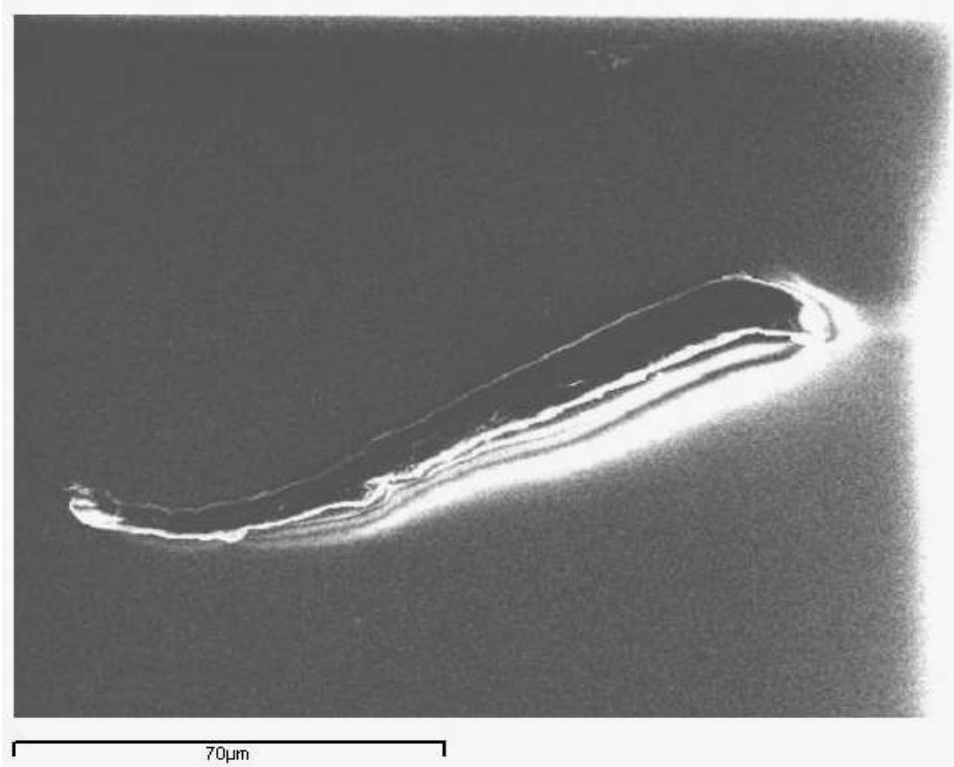


50μm

Element	Weight %	Atomic %
C K	100	100
Totals	100	

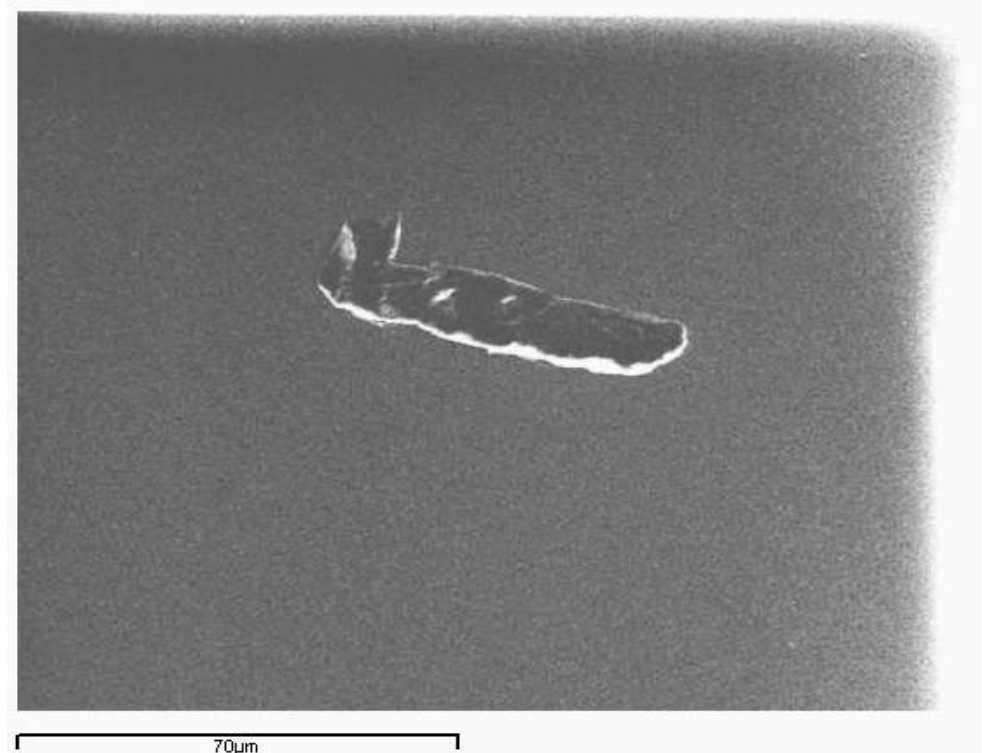
SEM and EDS for Japanese glass - Sample 2

Region 1



Element	Weight %	Atomic %
C K	47.43	58.39
O K	33.54	30.99
Na K	4.29	2.76
Mg K	1.23	0.75
Si K	13.51	7.11
Totals	100	

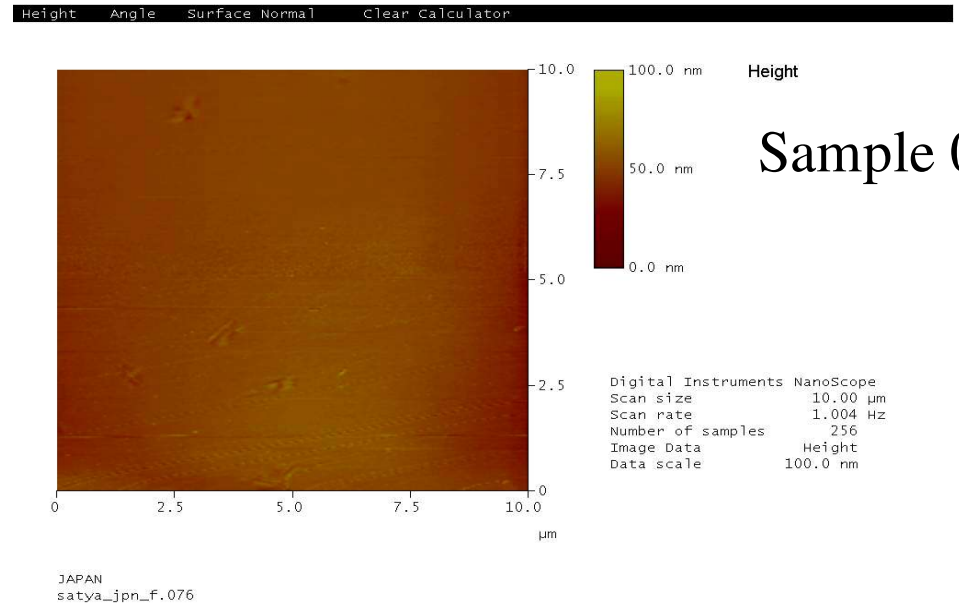
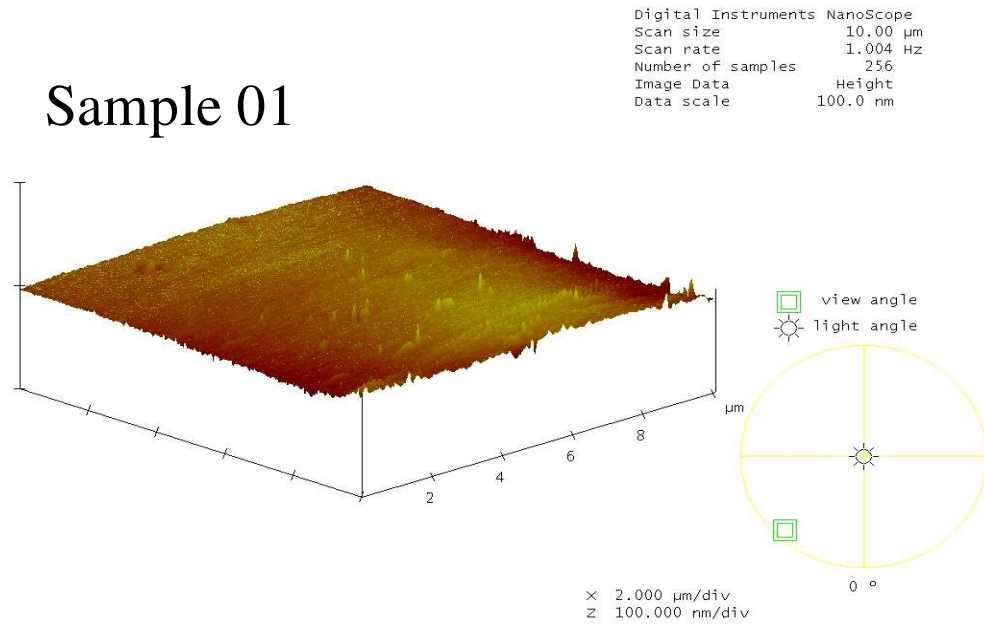
Region2



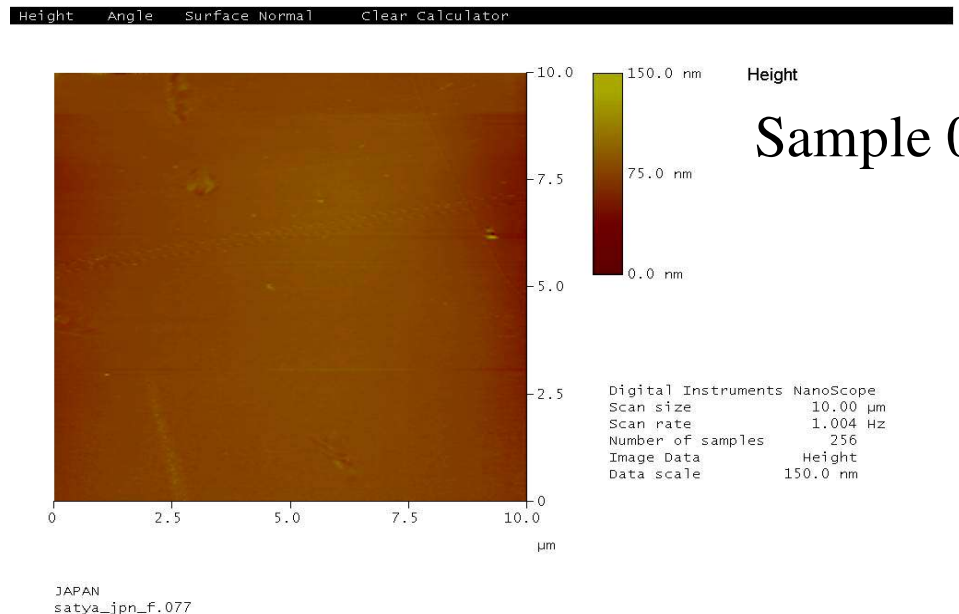
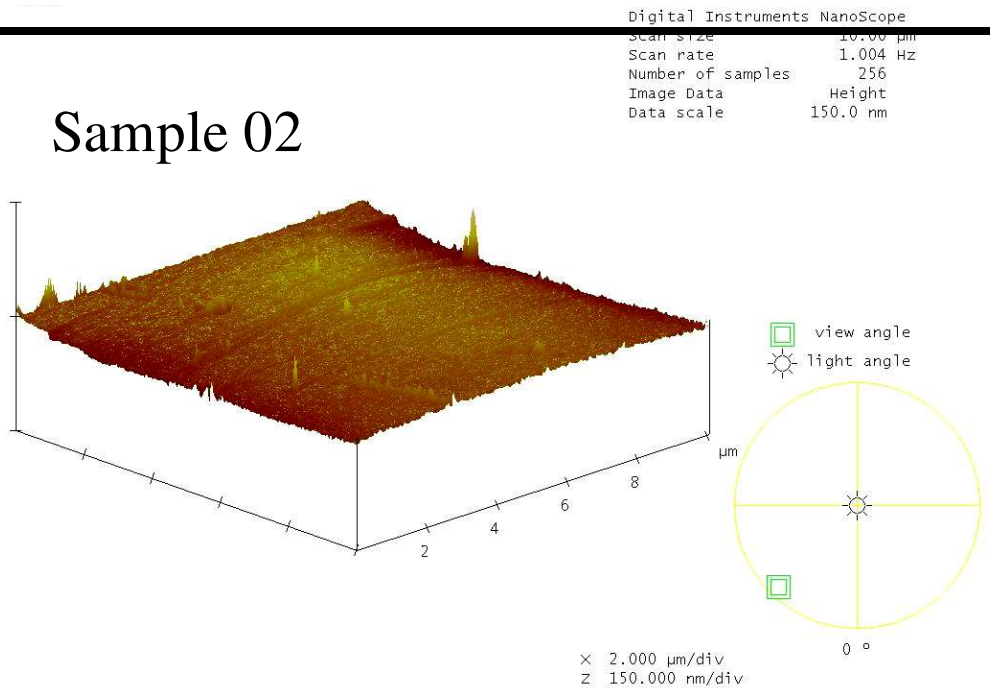
Element	Weight %	Atomic %
C K	73.78	78.94
O K	26.22	21.06
Totals	100	

AFM pictures for Japanese glass

Sample 01

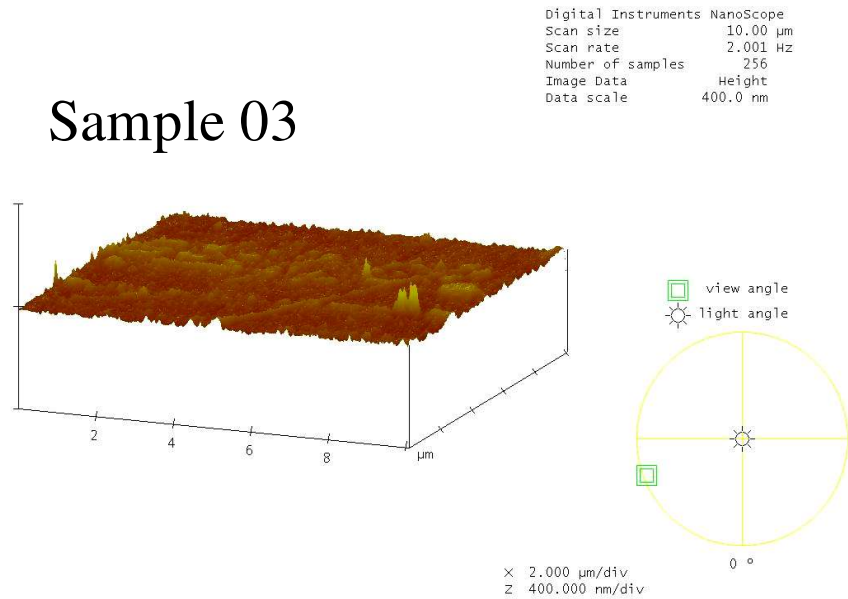


Sample 02

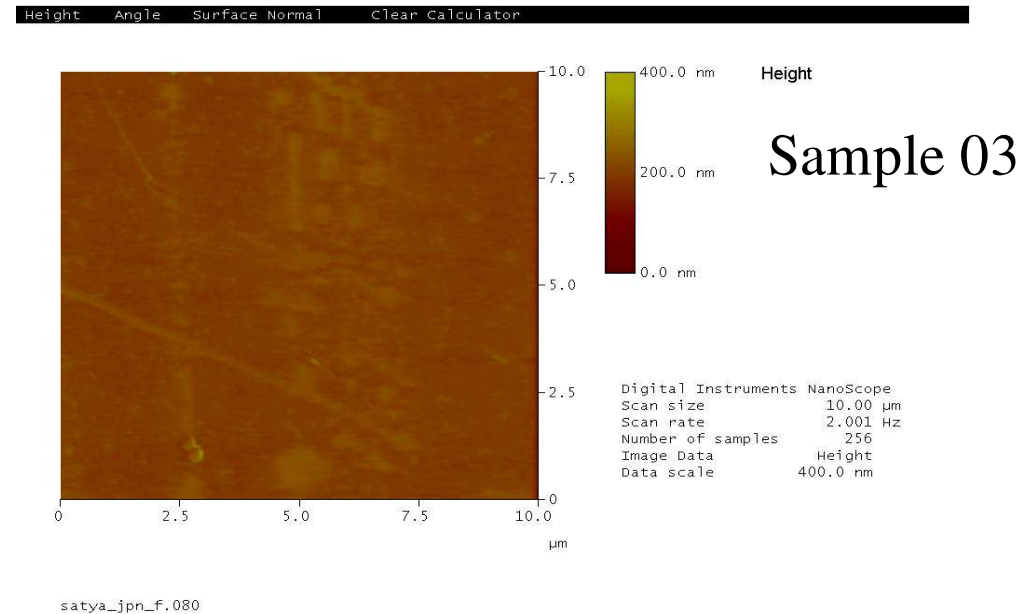


AFM pictures for Japanese glass

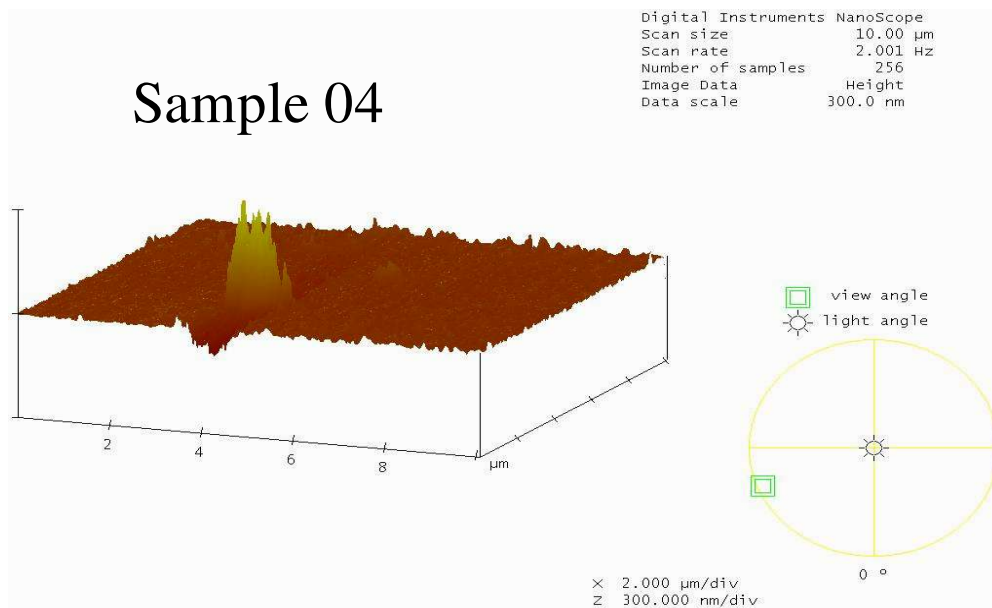
Sample 03



satya_jpn_f.080



Sample 04



satya_jpn_f.081

