Project 1

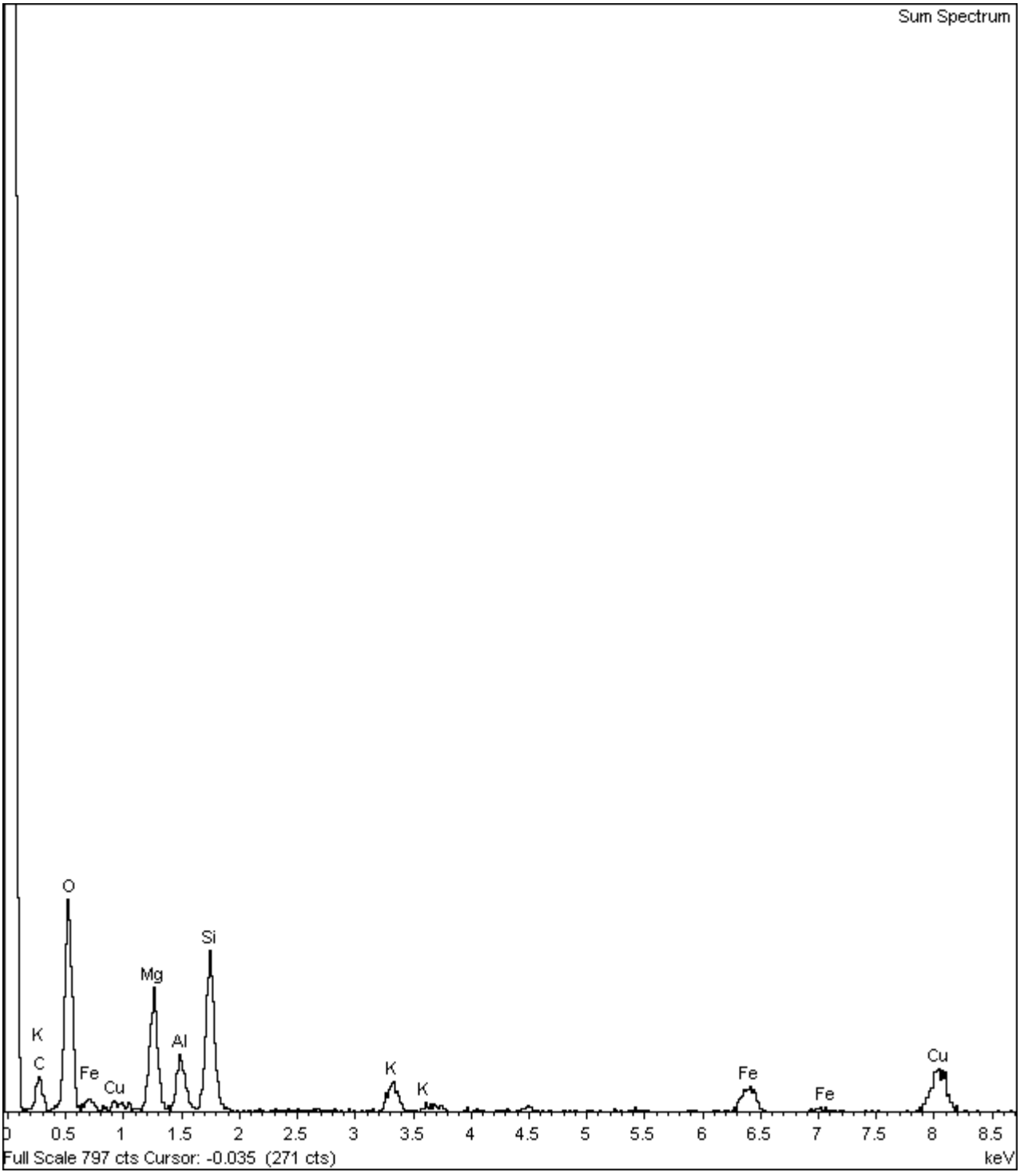
13/05/2014 13:48:09

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

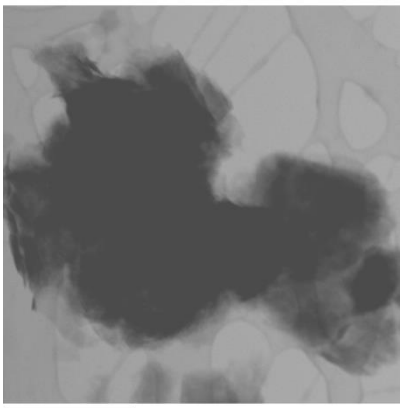
Type: Default



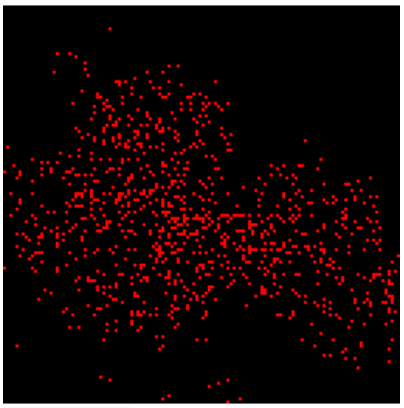
Comment:

Project 1

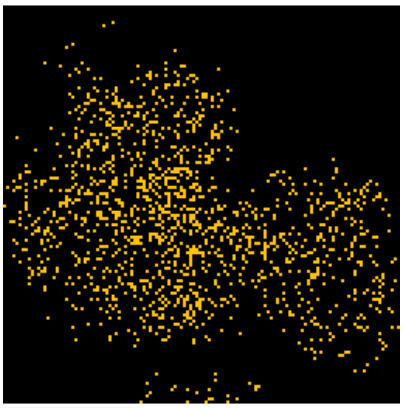
13/05/2014 13:48:18



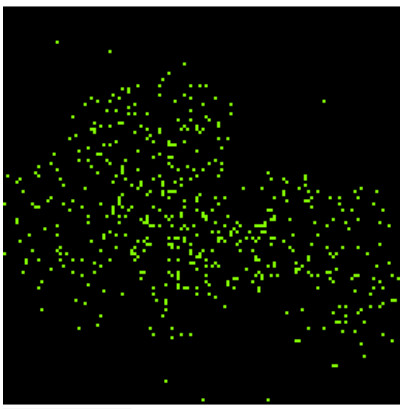
Electron Image 1



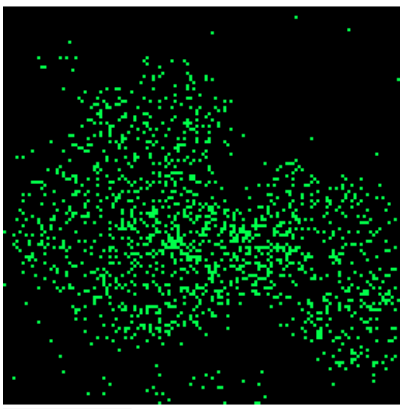
Mg Ka1_2



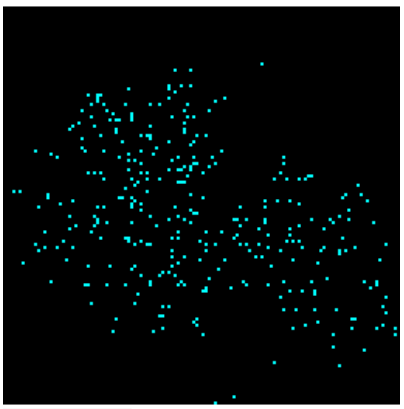
Si Ka1



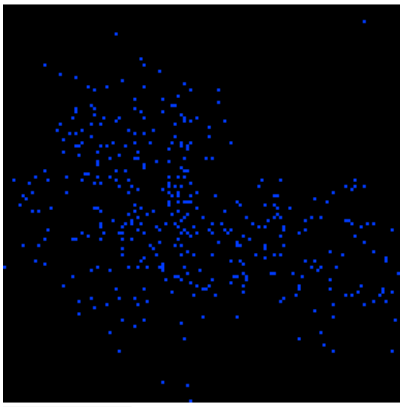
Al Ka1



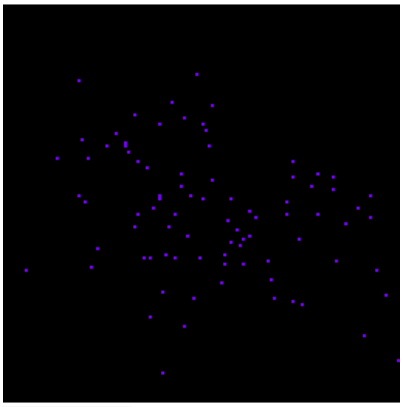
O Ka1



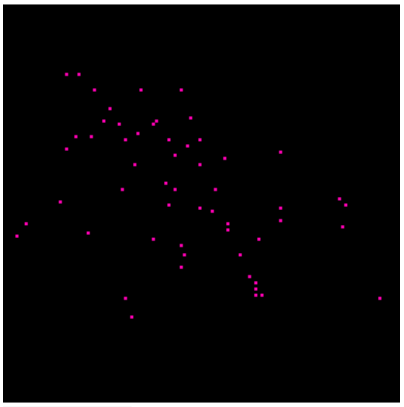
K Ka1



Fe Ka1



Ca Ka1



Ti Ka1

Comment:

Project 1

13/05/2014 13:48:31

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 01:47 PM

Livetime (s) : 124.52

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peak possibly omitted : 8.035 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	2210	91	1.065	1.000	44.31	1.20	59.59

Mg K	1249	63	0.606	1.000	14.23	0.69	12.60
Al K	590	49	0.589	1.000	6.55	0.53	5.22
Si K	2001	77	0.569	1.000	21.43	0.80	16.42
K K	451	39	0.552	1.000	4.68	0.40	2.58
Ca K	95	23	0.542	1.000	0.97	0.24	0.52
Ti K	68	19	0.608	1.000	0.77	0.21	0.35
Fe K	552	40	0.678	1.000	7.04	0.50	2.71
Totals					100.00		

Project 1

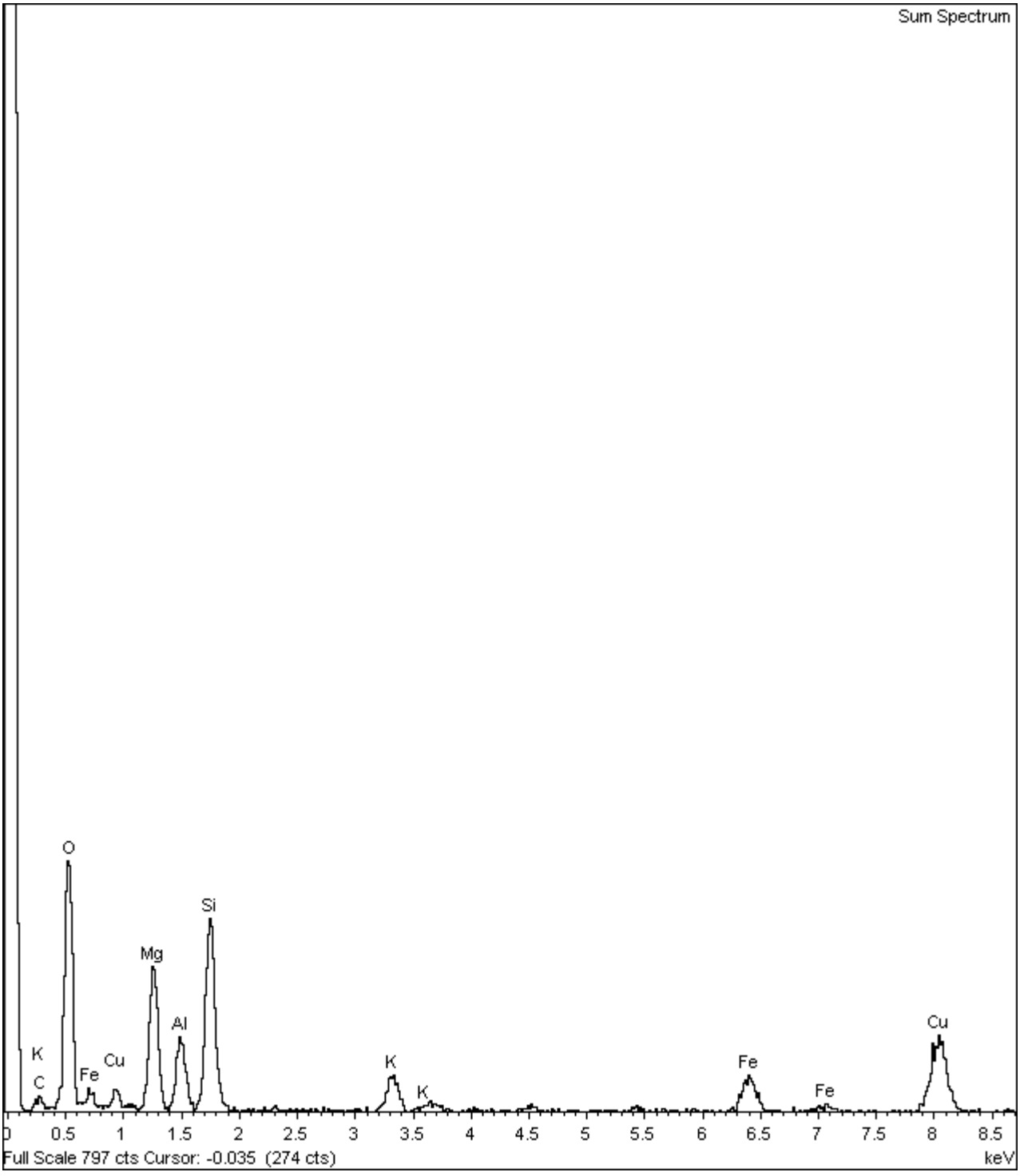
13/05/2014 13:53:41

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

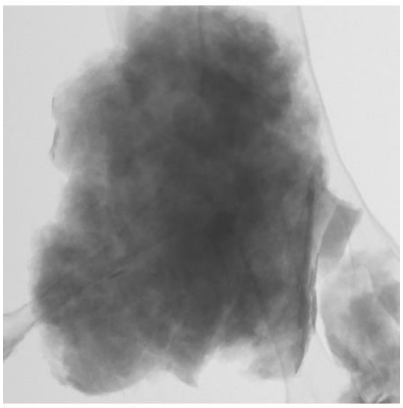
Type: Default



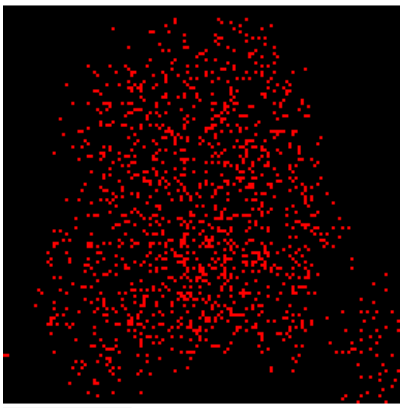
Comment:

Project 1

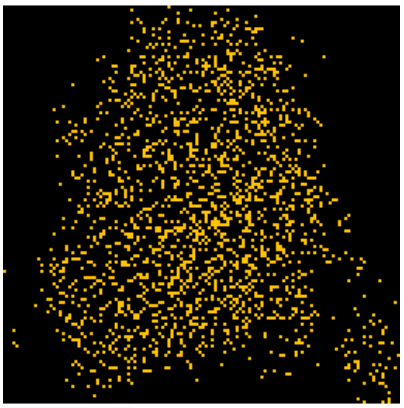
13/05/2014 13:53:54



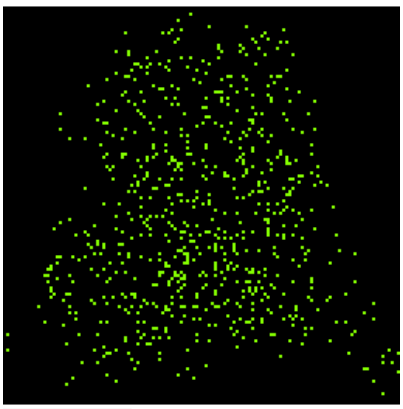
1µm Electron Image 1



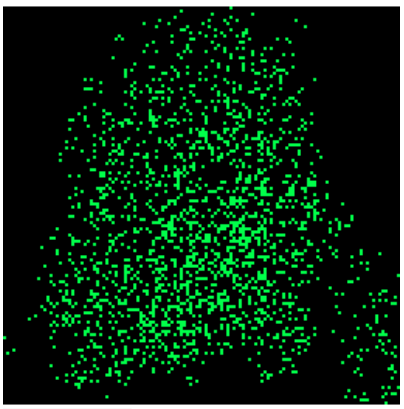
1µm Mg Ka1_2



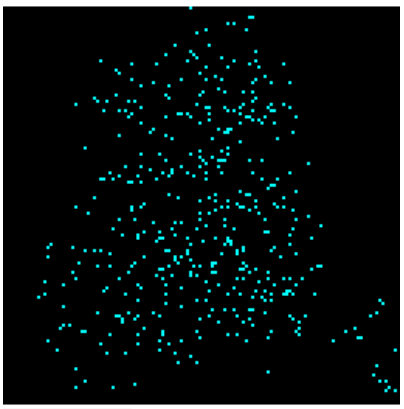
1µm Si Ka1



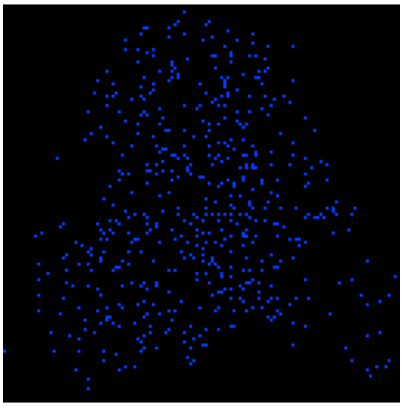
1µm Al Ka1



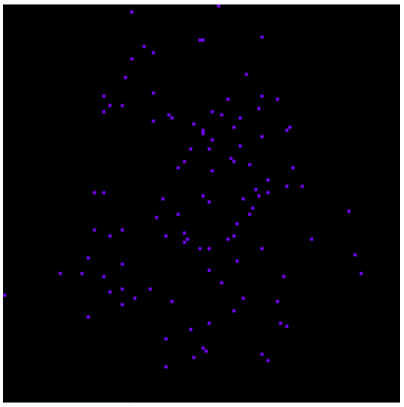
1µm O Ka1



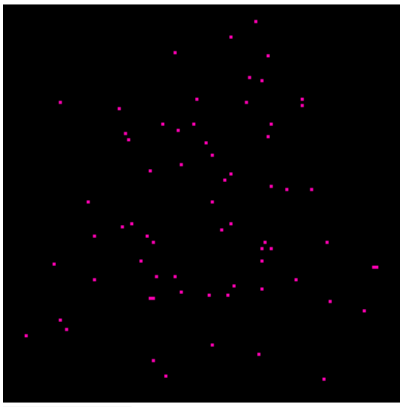
1µm K Ka1



1µm Fe Ka1



1µm Ca Ka1



1µm Ti Ka1

Comment:

inca

Project 1

13/05/2014 13:54:07

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 01:53 PM

Livetime (s) : 124.52

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peaks possibly omitted : 8.038, 8.893 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	2731	97	1.065	1.000	42.95	1.04	58.17

Mg K	1711	74	0.606	1.000	15.30	0.63	13.64
Al K	824	59	0.589	1.000	7.17	0.50	5.76
Si K	2492	90	0.569	1.000	20.95	0.71	16.16
K K	599	45	0.552	1.000	4.88	0.36	2.71
Ca K	98	26	0.542	1.000	0.79	0.21	0.42
Ti K	69	20	0.608	1.000	0.62	0.18	0.28
Fe K	733	47	0.678	1.000	7.34	0.46	2.85
Totals					100.00		

Project 1

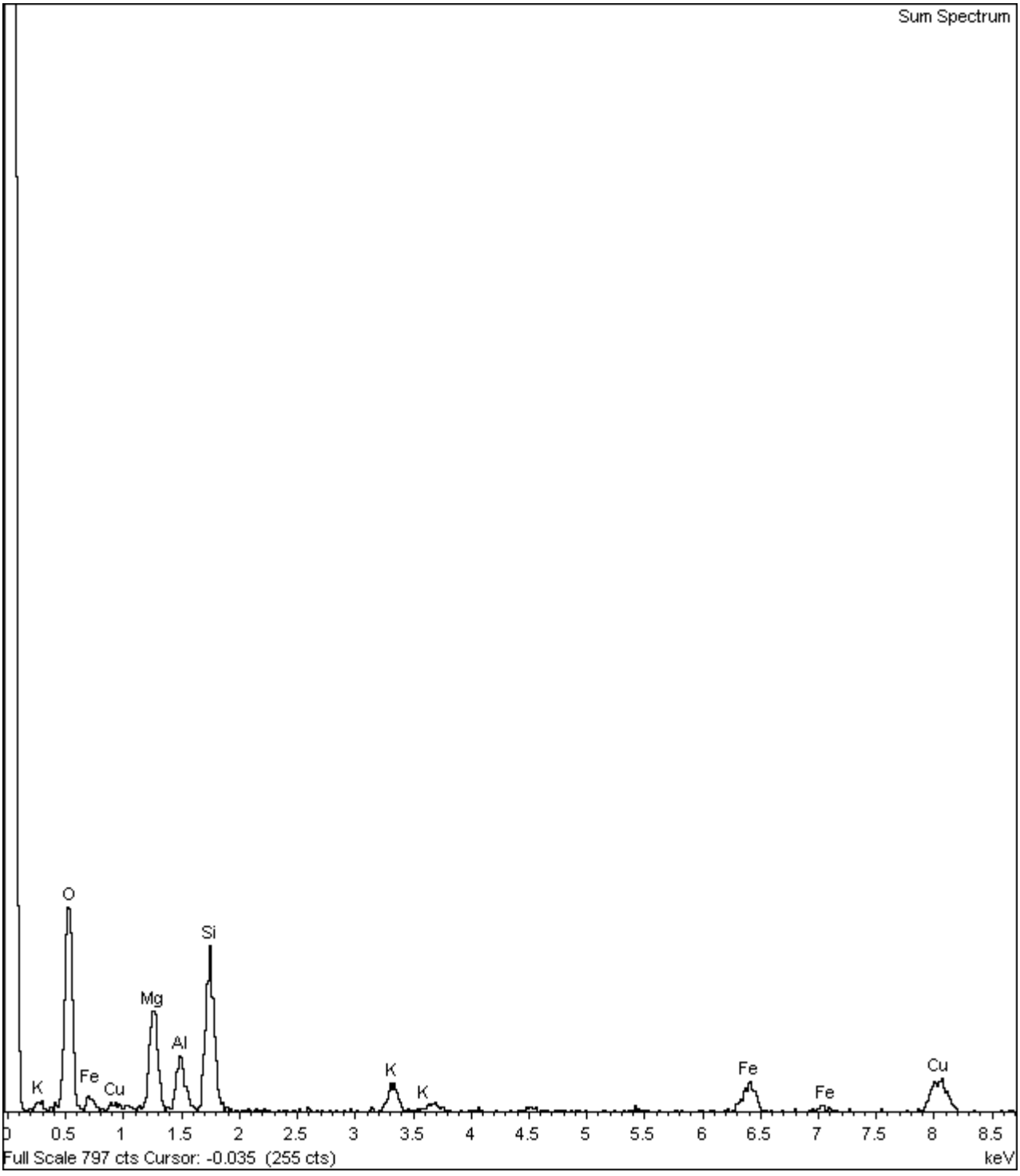
13/05/2014 13:59:52

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

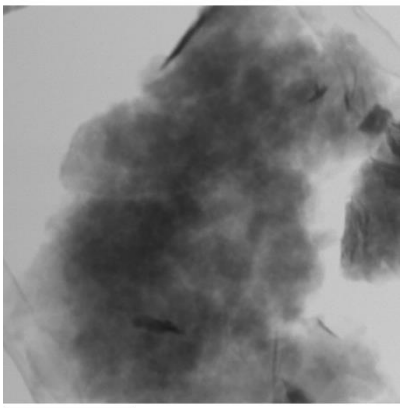
Type: Default



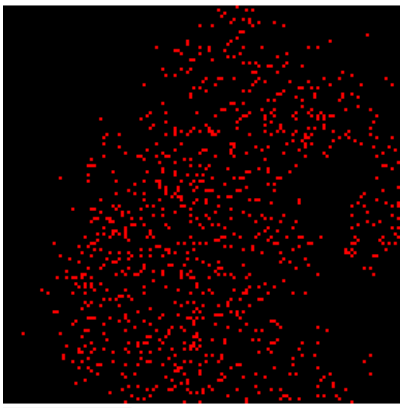
Comment:

Project 1

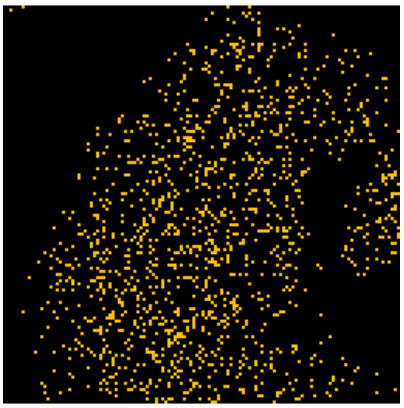
13/05/2014 13:59:58



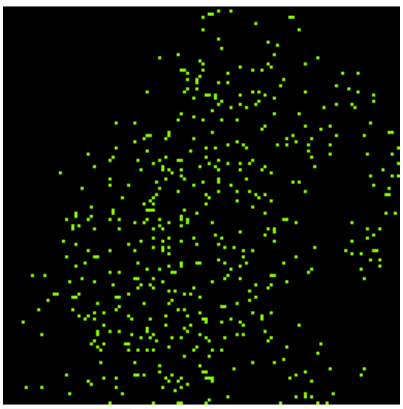
Electron Image 1



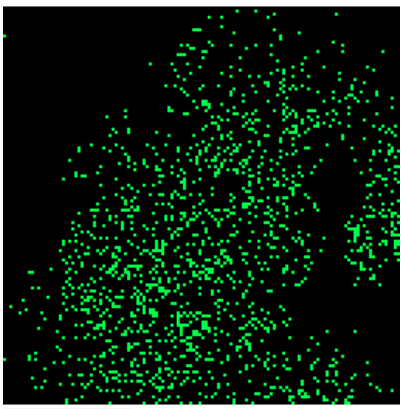
Mg Ka1_2



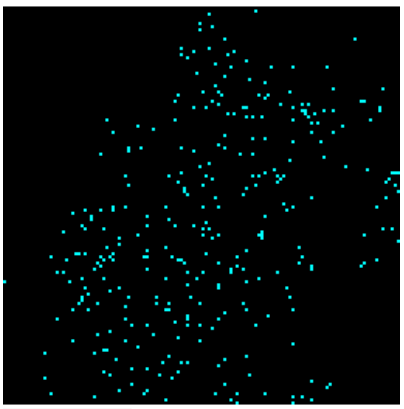
Si Ka1



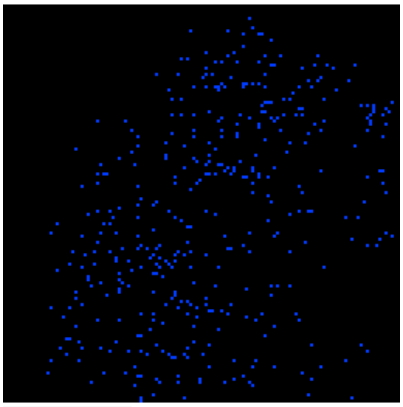
Al Ka1



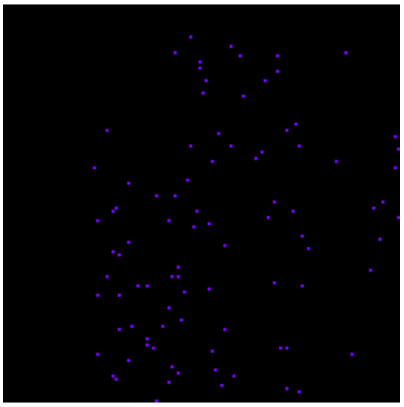
O Ka1



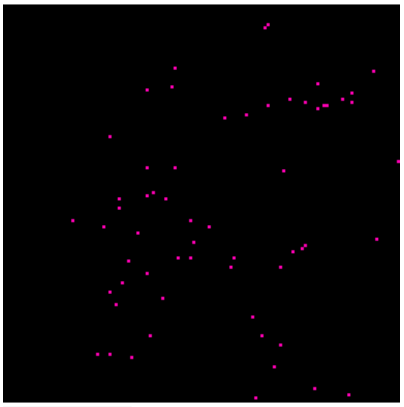
K Ka1



Fe Ka1



Ca Ka1



Ti Ka1

Comment:

Project 1

13/05/2014 14:00:12

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 01:59 PM

Livetime (s) : 124.52

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peak possibly omitted : 8.036 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	2268	91	1.065	1.000	45.30	1.18	60.75

Mg K	1217	62	0.606	1.000	13.82	0.68	12.20
Al K	600	50	0.589	1.000	6.63	0.54	5.27
Si K	1879	76	0.569	1.000	20.05	0.78	15.32
K K	469	39	0.552	1.000	4.86	0.40	2.67
Ca K	102	23	0.542	1.000	1.04	0.24	0.56
Ti K	66	19	0.608	1.000	0.76	0.22	0.34
Fe K	593	40	0.678	1.000	7.54	0.50	2.90
Totals					100.00		

Project 1

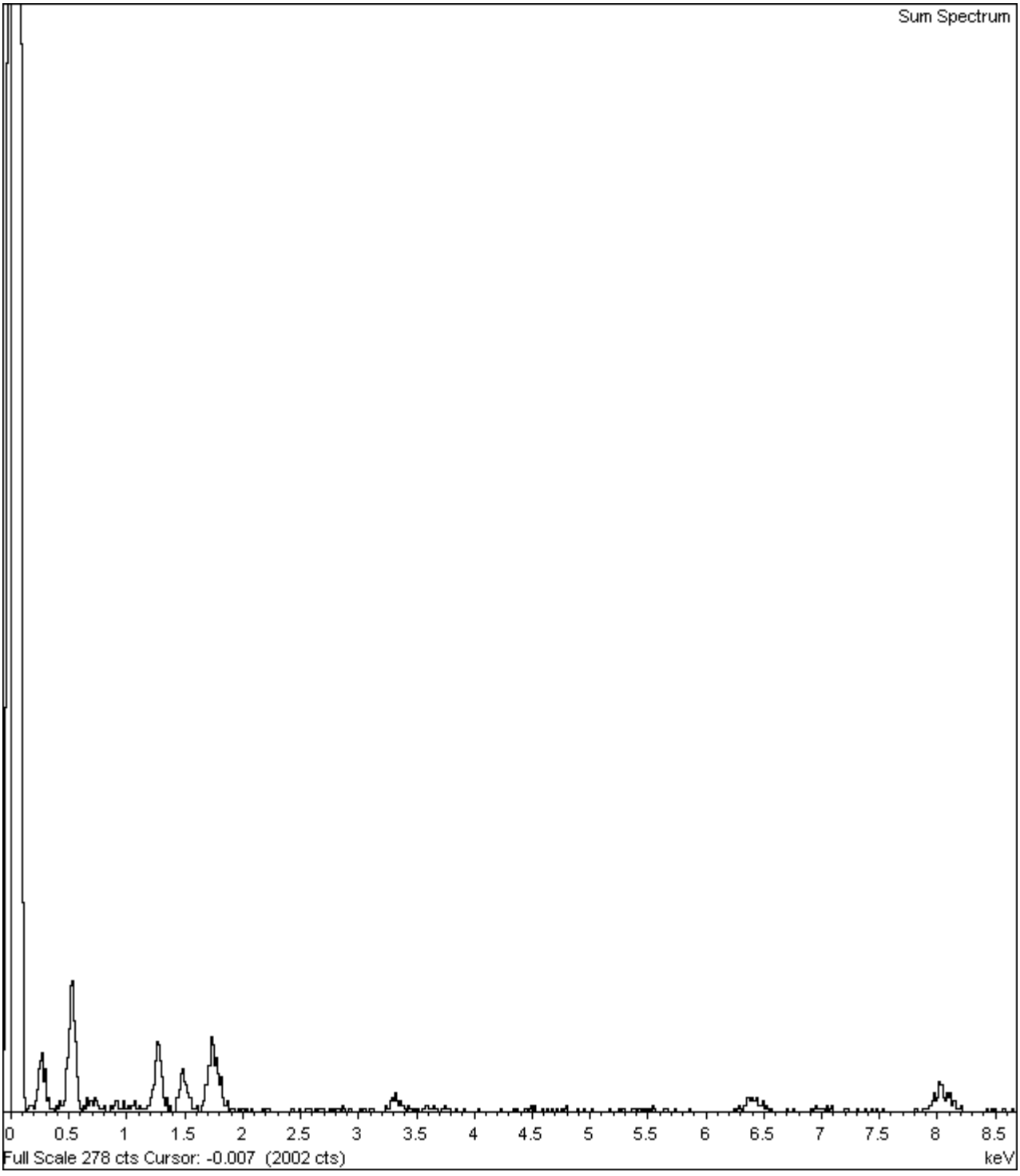
13/05/2014 14:05:48

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

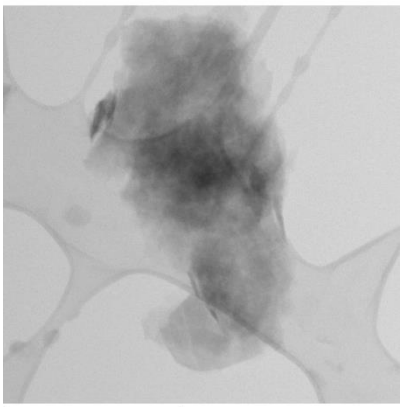
Type: Default



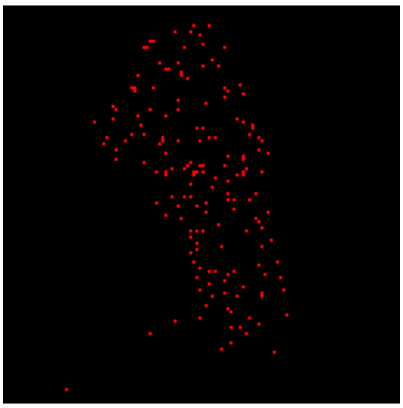
Comment:

Project 1

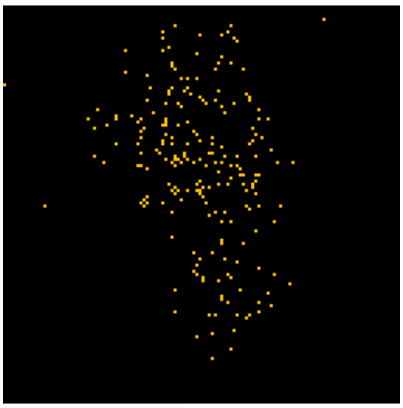
13/05/2014 14:05:58



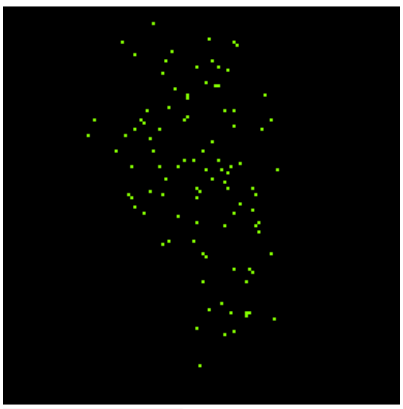
700nm Electron Image 1



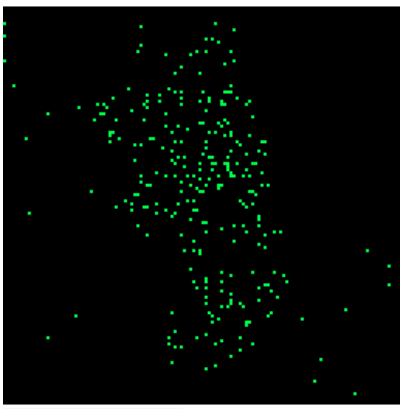
700nm Mg Ka1_2



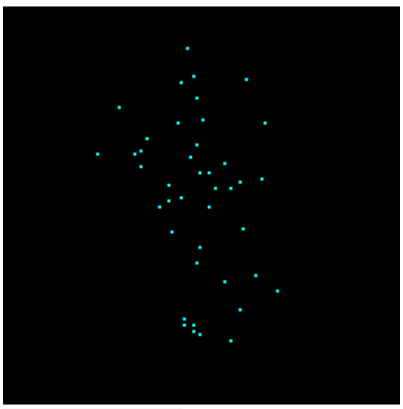
700nm Si Ka1



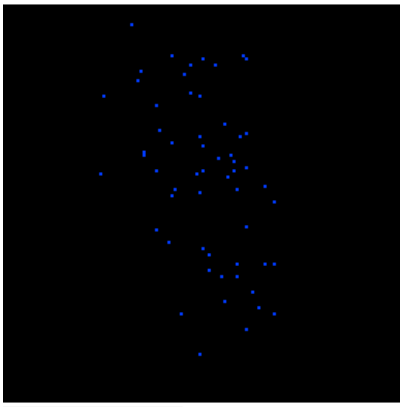
700nm Al Ka1



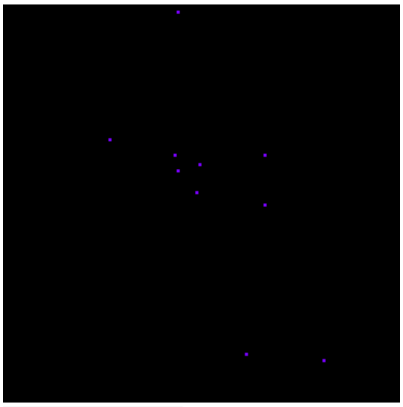
700nm O Ka1



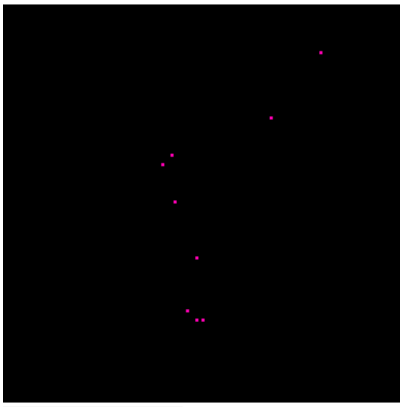
700nm K Ka1



700nm Fe Ka1



700nm Ca Ka1



700nm Ti Ka1

Comment:

Project 1

13/05/2014 14:06:19

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 02:05 PM

Livetime (s) : 131.07

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

No peaks omitted

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	462	41	1.065	1.000	50.51	2.81	64.97

Mg K	229	27	0.606	1.000	14.25	1.64	12.06
Al K	152	23	0.589	1.000	9.20	1.37	7.01
Si K	267	33	0.569	1.000	15.60	1.83	11.43
K K	68	16	0.552	1.000	3.86	0.92	2.03
Ca K	3	12	0.542	1.000	0.15	0.67	0.08
Ti K	12	13	0.608	1.000	0.76	0.80	0.33
Fe K	81	18	0.678	1.000	5.67	1.23	2.09
Totals					100.00		

Project 1

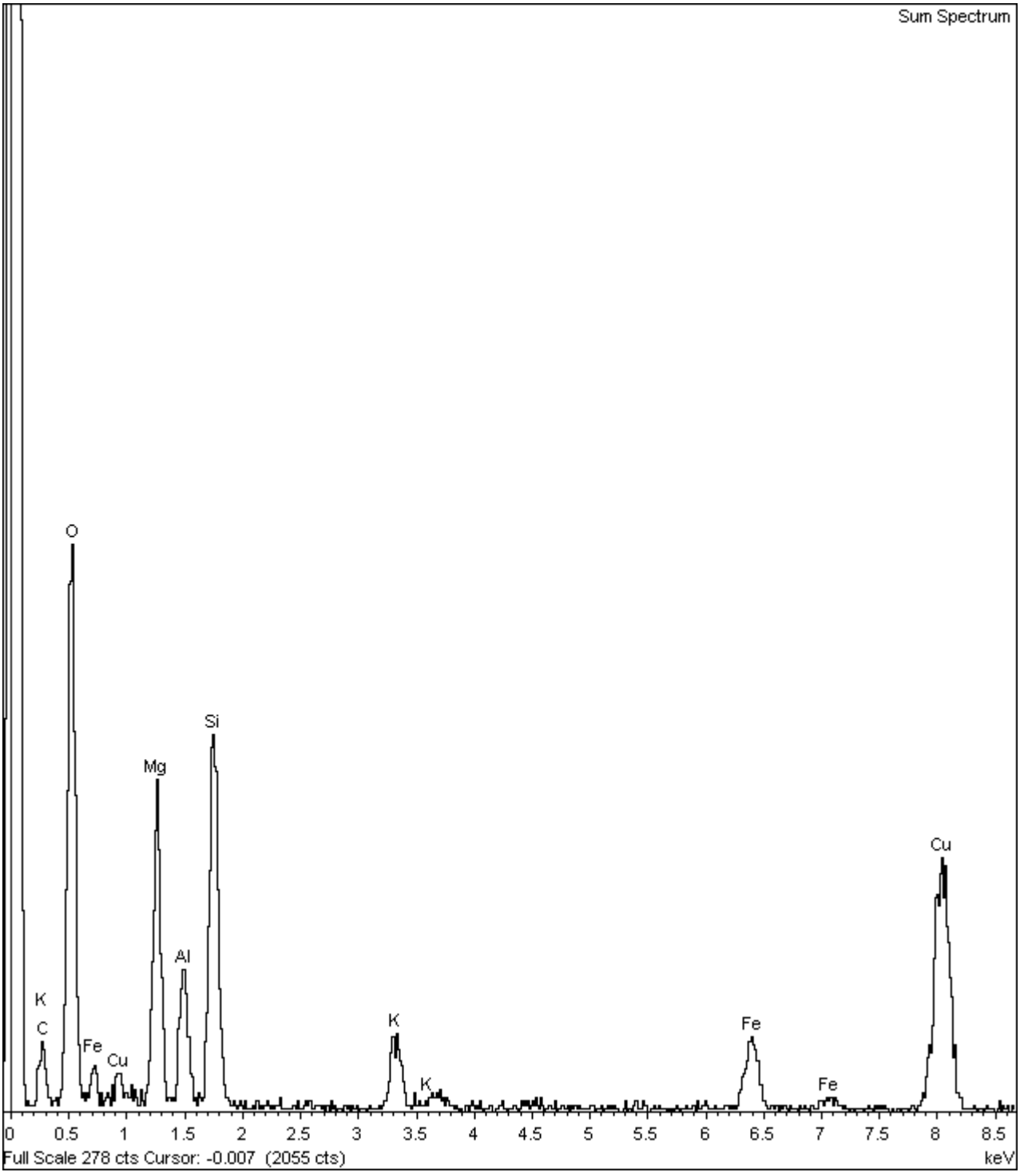
13/05/2014 14:11:46

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

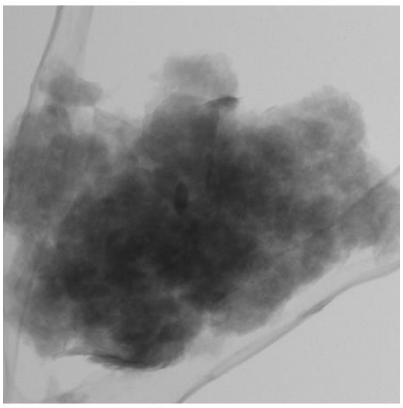
Type: Default



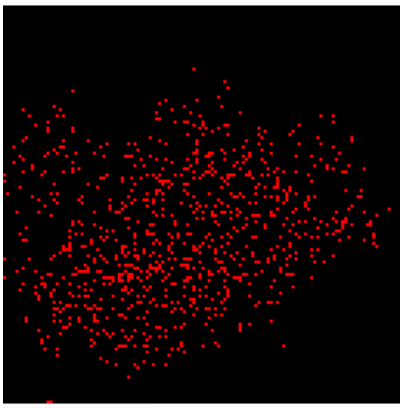
Comment:

Project 1

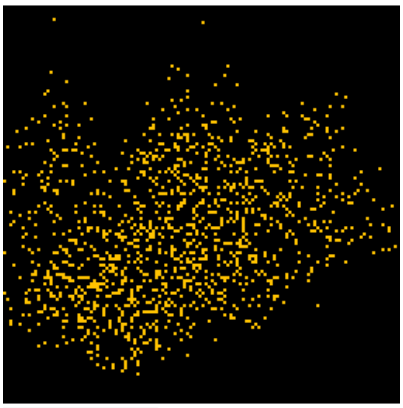
13/05/2014 14:11:52



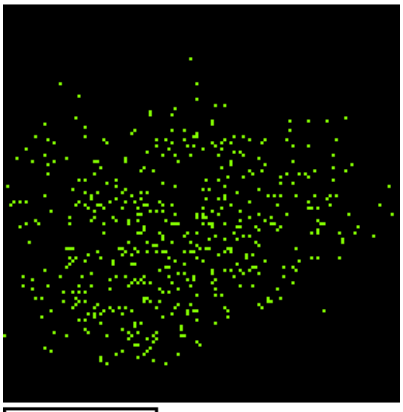
Electron Image 1



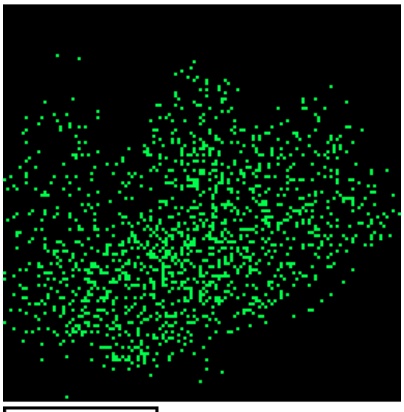
Mg Ka1_2



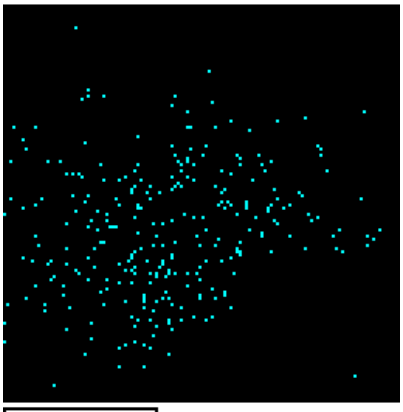
Si Ka1



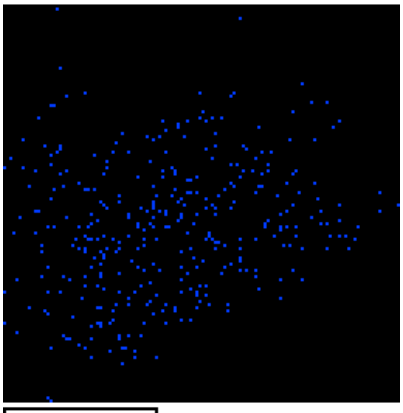
Al Ka1



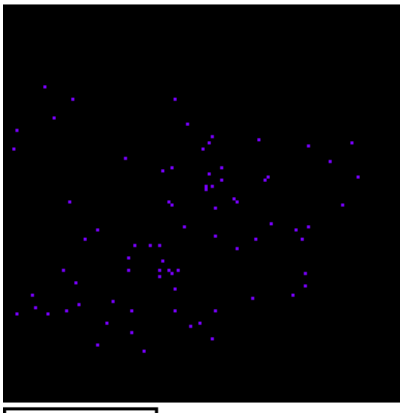
O Ka1



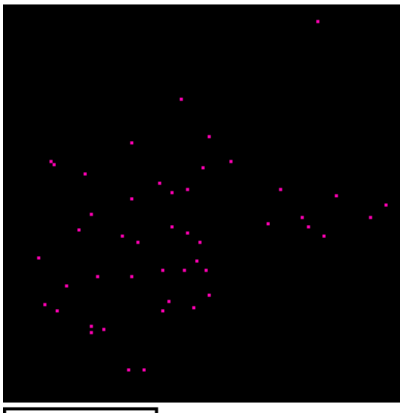
K Ka1



Fe Ka1



Ca Ka1



Ti Ka1

Comment:

Project 1

13/05/2014 14:12:18

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 02:11 PM

Livetime (s) : 137.63

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peaks possibly omitted : 8.035, 8.893 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	2090	91	1.065	1.000	45.02	1.26	60.16

Mg K	1214	60	0.606	1.000	14.87	0.72	13.07
Al K	585	47	0.589	1.000	6.97	0.55	5.53
Si K	1756	73	0.569	1.000	20.21	0.82	15.39
K K	398	37	0.552	1.000	4.44	0.41	2.43
Ca K	84	23	0.542	1.000	0.93	0.25	0.49
Ti K	42	17	0.608	1.000	0.51	0.21	0.23
Fe K	514	40	0.678	1.000	7.05	0.53	2.70
Totals					100.00		

Project 1

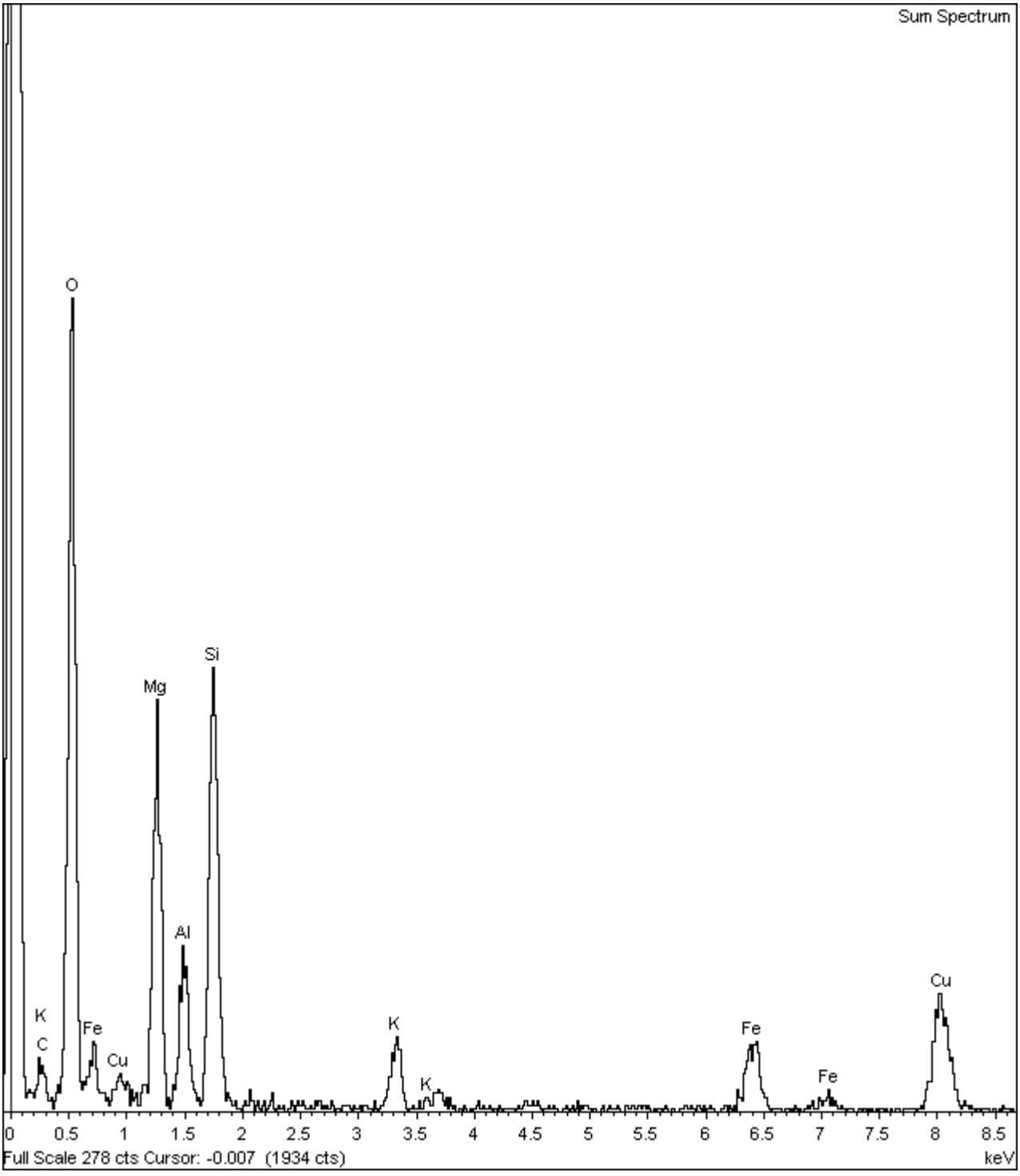
13/05/2014 14:18:29

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

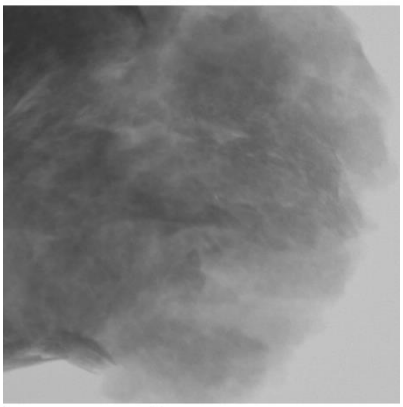
Type: Default



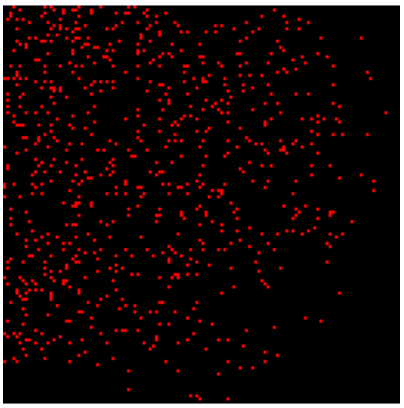
Comment:

Project 1

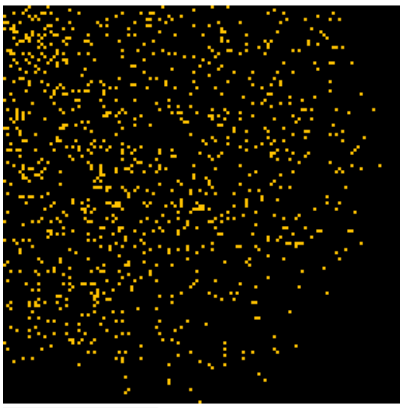
13/05/2014 14:18:39



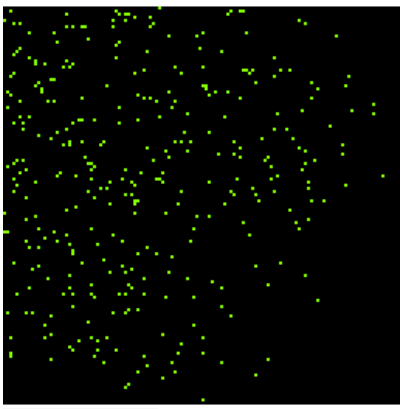
300nm Electron Image 1



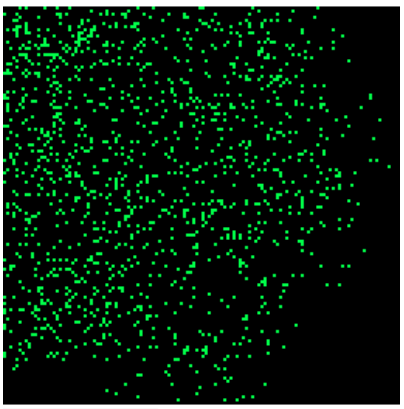
300nm Mg Ka1_2



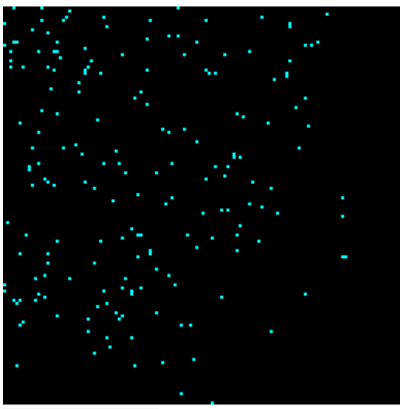
300nm Si Ka1



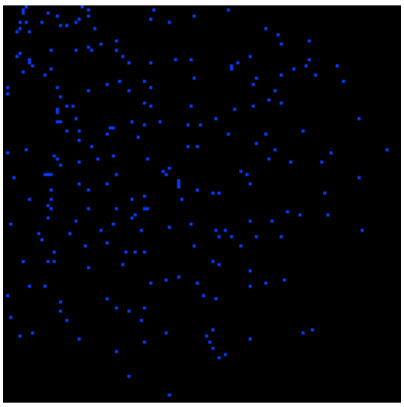
300nm Al Ka1



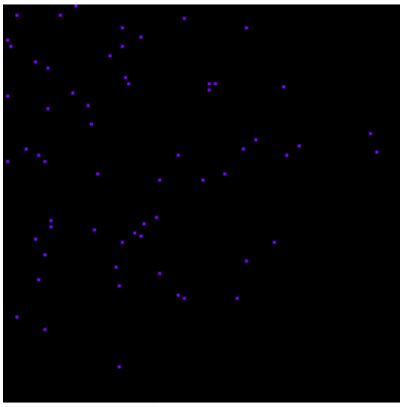
300nm O Ka1



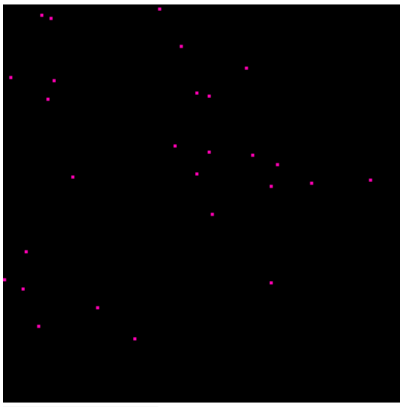
300nm K Ka1



300nm Fe Ka1



300nm Ca Ka1



300nm Ti Ka1

Comment:

Project 1

13/05/2014 14:18:51

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 02:17 PM

Livetime (s) : 131.07

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peak possibly omitted : 8.029 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	2803	106	1.065	1.000	49.87	1.14	64.35

Mg K	1490	67	0.606	1.000	15.08	0.66	12.80
Al K	607	50	0.589	1.000	5.98	0.48	4.57
Si K	1953	78	0.569	1.000	18.57	0.73	13.65
K K	412	35	0.552	1.000	3.80	0.32	2.01
Ca K	91	22	0.542	1.000	0.82	0.20	0.42
Ti K	26	16	0.608	1.000	0.26	0.17	0.11
Fe K	497	39	0.678	1.000	5.62	0.44	2.08
Totals					100.00		

Project 1

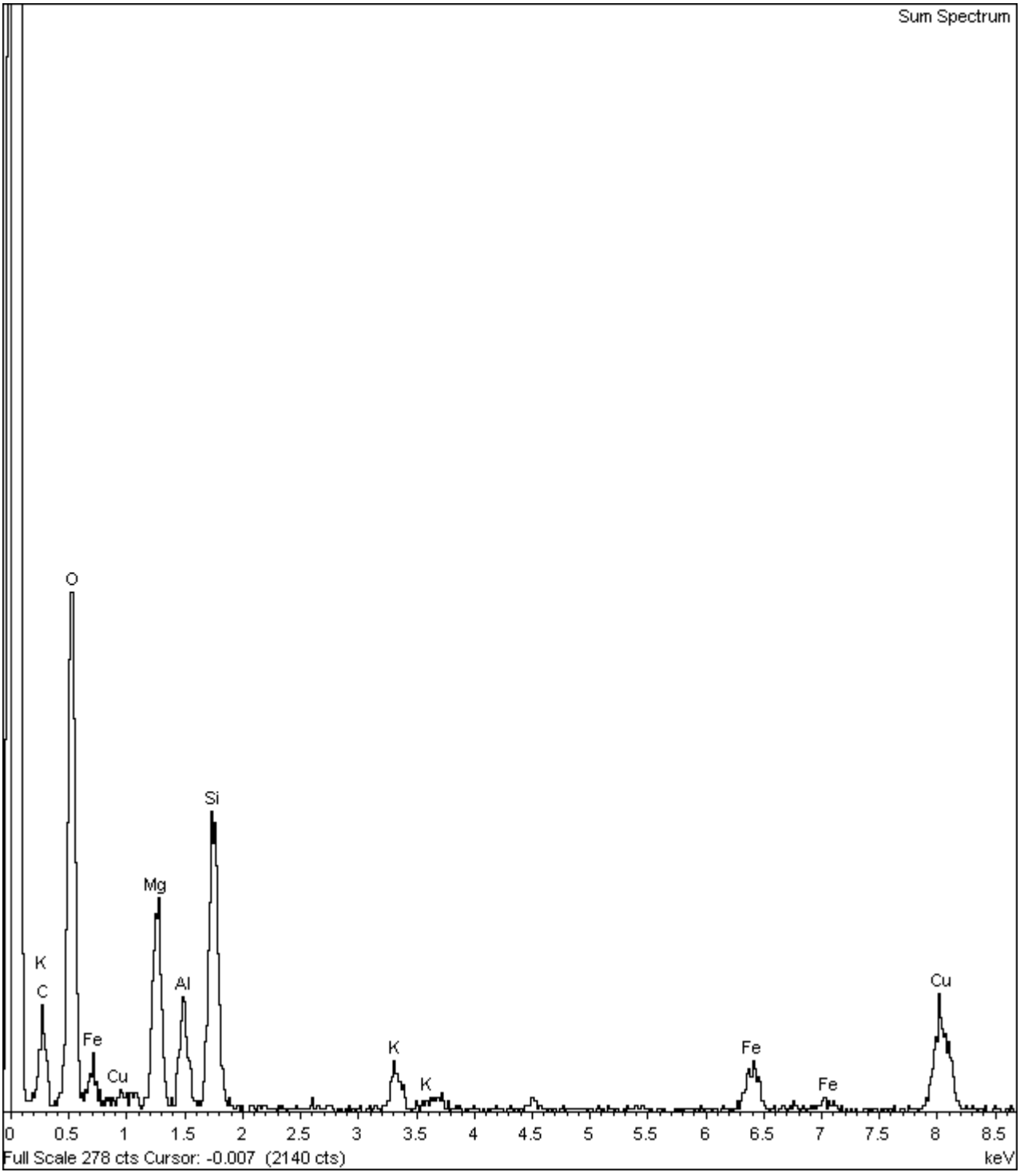
13/05/2014 14:24:32

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

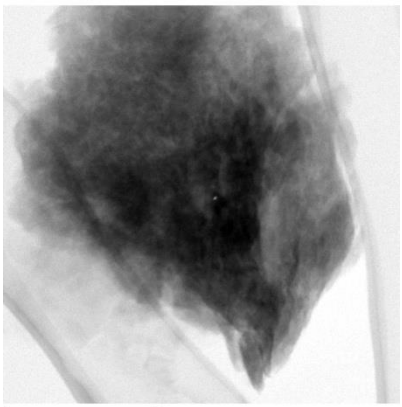
Type: Default



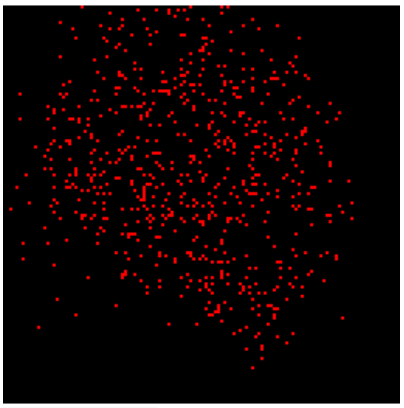
Comment:

Project 1

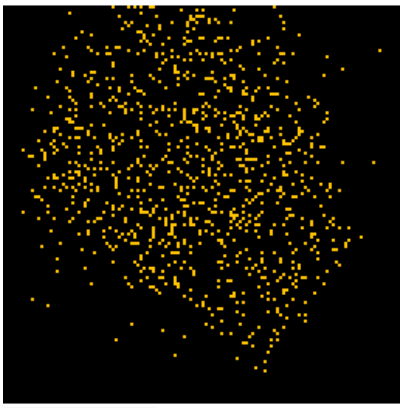
13/05/2014 14:24:36



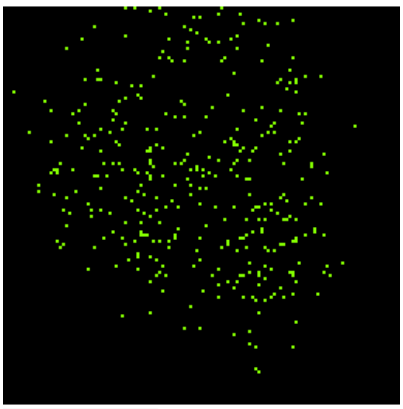
Electron Image 1



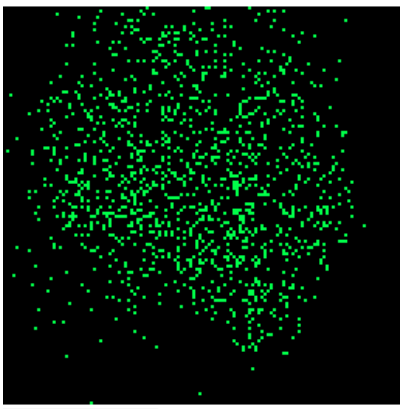
Mg Ka1_2



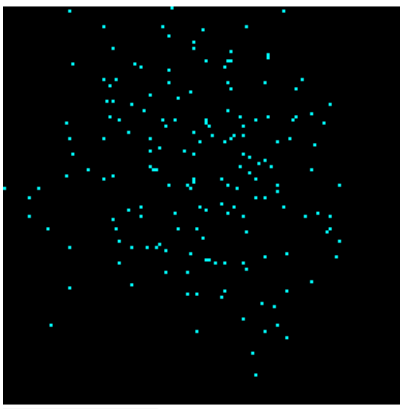
Si Ka1



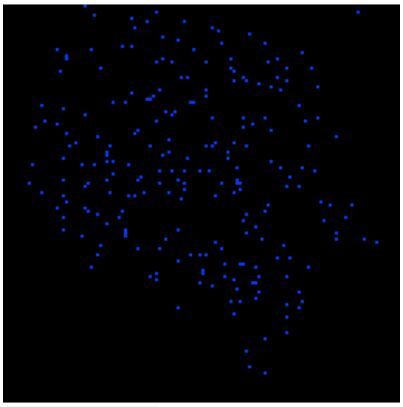
Al Ka1



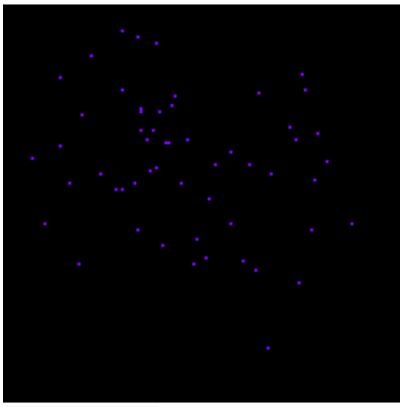
O Ka1



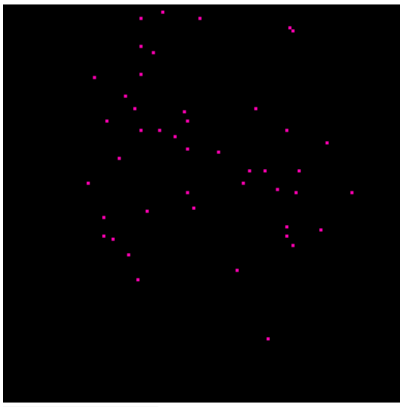
K Ka1



Fe Ka1



Ca Ka1



Ti Ka1

Comment:

Project 1

13/05/2014 14:24:47

Project: Project 1

Owner: INCA

Sample: L4E-MW-Ex

Type: Default

Label : Sum Spectrum

Collected : 13-May-2014 02:24 PM

Livetime (s) : 137.63

Real time (s) : 0.00

Detector : X-Max

Window : SATW

Tilt (deg) : 0.0

Elevation (deg) : 17.7

Azimuth (deg) : 0.0

Sample thickness: 0.0 nm

Sample density: 0.00 g/cm3

Spectrum processing :

Peak possibly omitted : 8.034 keV

Quantitation method : Cliff Lorimer thin ratio section.

Processing option : All elements analyzed (Normalised)

Number of iterations = 1

Standardless

Element	Peak Area	Area Sigma	k factor	Abs Corrn.	Weight%	Weight% Sigma	Atomic%
O K	1952	85	1.065	1.000	51.39	1.35	66.06

Mg K	843	53	0.606	1.000	12.62	0.77	10.68
Al K	428	41	0.589	1.000	6.24	0.59	4.75
Si K	1328	65	0.569	1.000	18.69	0.88	13.69
K K	266	29	0.552	1.000	3.64	0.40	1.91
Ca K	56	19	0.542	1.000	0.75	0.26	0.38
Ti K	71	17	0.608	1.000	1.07	0.25	0.46
Fe K	335	31	0.678	1.000	5.61	0.51	2.07
Totals					100.00		