Geochemistry, Geophysics, Geosystems

Supporting Information for

Mineralogy and origin of aerosol from an arc basaltic eruption: Case study of Tolbachik volcano, Kamchatka

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Introduction

Dataset for "Mineralogy and origin of aerosol from an arc basaltic eruption: Case study of Tolbachik volcano, Kamchatka" by Zelenski et al.

Tables S1 to S555 contain raw analytical information for aerosol particles studied in this work. Analyses were done using Energy-Dispersive Spectrometer and are listed in chronological order.

All samples are unpolished and coated with carbon - thickness nm): 20.0, density (g/cm3): 2.25.

High or low total wieght % may arise from non-flat (unpolished) surface of a specimen and from analysis of adjacent or underlaying substances, including the filter materal, and small crystal sizes.
All inferred phases are highlighted in blue.

The sample Table with the explanation:

Table S3

Spectrum: 2 19-Mar-2013 03:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	78626	70.00/88.33	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.23	1.3864	26.85	1.28	**58.24**	7.04	2.44	O	23.93
Na K	0.24	0.4126	0.59	0.44	0.89	0.80	0.59	Na2O	0.37
Si K	0.14	0.6776	0.20	0.18	0.25	0.43	0.39	SiO2	0.10
S K	0.79	0.8842	0.90	0.22	0.97	2.25	0.55	SO3	0.40
Cl K	0.16	0.9207	0.18	0.18	0.17	0.18	0.18	Cl	0.07
K K	0.99	1.1484	0.86	0.18	0.76	1.04	0.22	K2O	0.31
Mn K	0.35	0.9111	0.38	0.30	0.24	0.49	0.39	MnO	0.10
Fe K	57.61	0.9302	61.93	1.42	**38.48**	79.67	1.83	FeO	15.81
Cu K	0.00	0.8284	0.00	0.00	0.00			CuO	0.00
Total			91.89+/- 2.02		CompSum	84.67+/- 2.08		CatSum	17.09
								An.Sum	24.00

Inferred phases: Fe2O3

Each of the Tables is organized as follows:

- Table name
- Spectrum name
- Information on the spectrum processing: strobe energy (eV), strobe resolution (eV), optimization strobe area (counts), spectrum area (counts), acquisition live time (s) and real time (s), process time, accelerating voltage (kV), processing mode (all elements analysed)
- The Table consists of six or ten columns, containing:

(1) Elmt - Element list with analytic line series;
(2) A.C.% - an approximation to elemental concentration without matrix correction;
(3) IntC. – Intensity correction;
(4) Wt% - corrected concentrations of elements, weight %;
(5) 2σ wt% - standard deviation, 2σ;
(6) At% - corrected concentrations of elements, atomic %;
(7) Comp% - calculated concentrations of oxides (useful for silicates);
(8) dComp% - standard deviation for calculated oxides, 2σ;
(9) List of oxides;
(10) Formula calculates for 24 anion unities.

If a Table contains six columns, all information about oxides is omitted.

Below each of the Table, one or several possible phases are given, inferred from atomic concentrations of elements and morphology of the specimen.

For the convenience of searching for phases in the Tables, an auxiliary Table is provided (Alphabetical Table) in which all phases are arranged in alphabetical order

Alphabetical Table

Inferred phase(s)	Table S#
(Ba,Zn)SO4, NaCl	**122**
(Ba,Zn)SO4, NaCl	**124**
(Cu,Fe)Fe2O4, silicate glass	**187**
(Cu,Fe)Fe2O4, silicate glass	**188**
(Fe,Ti)3O4	**75**
(Fe,Ti)3O4	**288**
(Fe,Ti)3O4	**293**
(K,Na)2SO4	**42**
(K,Na)2SO4	**43**
(K,Na)2SO4	**92**
(K,Na)2SO4	**93**
(K,Na)2SO4	**94**
(K,Na)2SO4	**302**
(K,Na)2SO4	**303**
(K,Na)2SO4	**305**
(K,Na)AlSi3O8	**349**
(K,Na)Cl	**191**
(K,Na)SO4, (Na,K)Cl, silicate glass	**14**
(K,Na)SO4, NaCl	**13**
(K,Na)SO4, NaCl, CuCl2	**12**
(K,Na,Cu,Tl)HSO4	**10**
(K,Na,Cu,Tl)HSO4, silicate glass	**11**
(Mg,Fe,Cu,Mn)2FeO4	**470**
(Mg,Fe,Cu,Mn)2FeO4	**471**
(Mg,Fe,Cu,Mn)2FeO4	**473**
(Mg,Fe,Cu,Mn)2FeO4	**474**
(Na,K)1-xCaxAlSi3-xO8	**336**
(Na,K)1-xCaxAlSi3-xO8	**339**

(Na,K)1-xCaxAlSi3-xO8 **340**
(Na,K)1-xCaxAlSi3-xO8 **341**
(Na,K)2SO4 **157**
(Na,K)2SO4 **158**
(Na,K)2SO4 **159**
(Na,K)2SO4 **160**
(Na,K)2SO4 **161**
(Na,K)2SO4 **283**
(Na,K)AlSi3O8 **350**
(Na,K)Cl, (K,Na)SO4, CuCl2 **15**
(Na,K)Cl, (K,Na)SO4, CuCl2 **16**
(Na,K)SO4 **55**
(Na,K)SO4, silicate glass **56**
(Na,K,Cd)Cl **121**
(Na,K,Cu,Fe)2SO4 **519**
(Na,K,Cu,Fe)2SO4 **520**
(Na,K,Cu,Fe)2SO4 **521**
(Na,K,Fe)PO4 **35**
(Na,K,Fe)PO4 **36**
(Na,K,Fe)PO4 **37**
(Na,K,Fe)PO4 **38**
(Na,Mg,Al)CaCoSi2O7 **337**
(Zn,Ba)SO4, NaCl **123**
(Zn,Ba)SO4, NaCl, silicate glass **125**
(Zr,Hf)O(OH)2 **522**
(Zr,Hf)O(OH)2 **523**
(Zr,Hf)O(OH)2 **524**
Ag(Br,Cl), (Na,K)2SO4 **110**
Ag(Cl,Br), (Na)2SO4 **112**
Ag(Cl,Br), Ag2S **111**
Ag2S **95**
Ag2S **96**
Ag2S **315**
Ag2S **317**
Ag2S **321**
Ag2S **322**
Ag2S **323**
Ag2S **414**

Ag2S	**415**
Ag2S	**416**
Ag2S	**417**
Ag2S, Ag(Cl,Br)	**97**
Ag2S, Ag(Cl,Br)	**98**
Ag2S, Ag(Cl,Br)	**99**
Ag2S, Ag(Cl,Br)	**100**
Ag2S, Ag(Cl,Br)	**101**
Ag2S, Ag(Cl,Br)	**102**
Ag2S, Ag(Cl,Br)	**105**
Ag2S, Ag(Cl,Br), K2SiF6	**104**
Ag2S, AgI, Ca2PO4Cl, Na2CO3	**420**
Ag2S, AgI, Ca2PO4Cl, Na2CO3	**421**
Ag2S, Ca2PO4Cl	**392**
Ag2S, Ca2PO4Cl	**393**
Ag2S, Ca5(PO4)3(F,OH)	**445**
Ag2S, Ca5(PO4)3(F,OH)	**446**
Ag2S, Ca5(PO4)3(F,OH)	**447**
Ag2S, Na2SO4	**306**
Ag2S, Na2SO4	**307**
Ag-Pt alloy, Au, unidentified Na-Ca carbonate, Ca5(PO4)3(F,OH)	**389**
Ag-Pt alloy, Ca5(PO4)3(F,OH), unidentified Na-Ca carbonate	**408**
Ag-Pt alloy, unidentified Na-Ca carbonate	**410**
Al(OH)3	**432**
Al(OH)3	**433**
Al(OH)3	**434**
AlOOH	**169**
AlOOH	**428**
AlOOH	**429**
AlOOH	**430**
AlOOH	**431**
altered silicate glass	**216**
altered silicate glass	**234**
altered silicate glass	**235**
altered silicate glass	**236**
altered silicate glass	**237**
altered silicate glass	**238**

altered silicate glass **239**
altered silicate glass **240**
altered silicate glass **242**
altered silicate glass **243**
altered silicate glass **244**
altered silicate glass **246**
altered silicate glass **247**
altered silicate glass **248**
altered silicate glass **249**
altered silicate glass **250**
altered silicate glass **256**
altered silicate glass **257**
altered silicate glass **262**
altered silicate glass **263**
altered silicate glass **264**
altered silicate glass **265**
altered silicate glass **266**
altered silicate glass **267**
altered silicate glass **269**
altered silicate glass **270**
altered silicate glass **274**
altered silicate glass **275**
altered silicate glass **278**
altered silicate glass **279**
altered silicate glass **280**
altered silicate glass **438**
altered silicate glass **439**
altered silicate glass **442**
altered silicate glass **443**
altered silicate glass **444**
altered silicate glass **485**
altered silicate glass **486**
altered silicate glass **487**
altered silicate glass **490**
altered silicate glass **491**
altered silicate glass **500**
altered silicate glass **503**
altered silicate glass **505**

altered silicate glass **507**
altered silicate glass **508**
altered silicate glass **509**
altered silicate glass **512**
altered silicate glass **526**
altered silicate glass **530**
altered silicate glass **536**
altered silicate glass **539**
altered silicate glass **546**
altered silicate glass **549**
altered silicate glass **550**
altered silicate glass **499**
altered silicate glass **501**
altered silicate glass **531**
altered silicate glass (microsphere) **251**
altered silicate glass (microsphere) **252**
altered silicate glass (microsphere) **253**
altered silicate glass (microsphere) **254**
altered silicate glass (microsphere) **258**
altered silicate glass (microsphere) **259**
altered silicate glass (microsphere) **260**
altered silicate glass (microsphere) **261**
altered silicate glass (microsphere) **268**
altered silicate glass (microsphere) **271**
altered silicate glass (microsphere) **273**
altered silicate glass (microsphere) **276**
altered silicate glass (microsphere) **277**
altered silicate glass (microsphere) **497**
altered silicate glass (microsphere) **498**
altered silicate glass (microsphere) **502**
altered silicate glass (microsphere) **527**
altered silicate glass (microsphere) **528**
altered silicate glass (microsphere) **532**
altered silicate glass (microsphere) **534**
altered silicate glass (microsphere) **535**
altered silicate glass (microsphere) **537**
altered silicate glass (microsphere) **538**
altered silicate glass (microsphere) **540**

altered silicate glass (microsphere) **541**
altered silicate glass, Fe2O3 **241**
altered silicate glass, Fe2O3 **245**
altered silicate glass, Fe2O3 **255**
altered silicate glass, Fe2O3 **529**
altered silicate glass, Fe2O3 **533**
altered silicate glass, Fe2O3 **542**
altered silicate glass, Fe2O3 **543**
altered silicate glass, Fe2O3 **544**
altered silicate glass, Fe2O3 **545**
altered silicate glass, Fe2O3 **547**
altered silicate glass, Fe2O3 **548**
altered silicate glass, PbSO4 **525**
altered silicate glass, Ti-magnetite **440**
BaSO4 **493**
BaSO4 **494**
BaSO4, NaCl, silicate glass **127**
Ca2PO4Cl **295**
Ca2PO4Cl **390**
Ca2PO4Cl **391**
Ca2PO4Cl **419**
Ca2PO4Cl, ZnO (ZnCO3) **422**
Ca5(PO4)3((F,OH) **448**
Ca5(PO4)3(F,OH) **362**
Ca5(PO4)3(F,OH) **363**
Ca5(PO4)3(F,OH) **365**
Ca5(PO4)3(F,OH) **366**
Ca5(PO4)3(F,OH) **368**
Ca5(PO4)3(F,OH) **374**
Ca5(PO4)3(F,OH) **394**
Ca5(PO4)3(F,OH) **488**
Ca5(PO4)3(F,OH), Ag(Cl,Br) **395**
Ca5(PO4)3(F,OH), Ag(Cl,Br) **396**
Ca5(PO4)3(F,OH), CaSO4·2H2O **397**
Ca5(PO4)3F, (Fe,Ti)3O4 **289**
Ca5(PO4)3F, unidentified Na-Ca carbonate, Ag-Pt alloy **384**
Ca5(PO4)4(Cl,OH) **354**
Ca5(PO4)4(F,OH) **331**

Ca5(PO4)4(F,OH)	**333**
Ca5(PO4)4(F,OH)	**334**
Ca5(PO4)4(F,OH)	**345**
Ca5(PO4)4(F,OH)	**347**
Ca5(PO4)4(F,OH), NiO	**332**
CaCO3	**168**
CaCO3	**316**
CaCO3	**318**
CaCO3	**330**
CaCO3	**353**
CaCO3	**367**
CaCO3	**387**
CaCO3, Ag-Pt alloy	**372**
CaCO3, Fe2O3, Na2CO3, silicate glass	**136**
CaCO3, Fe2O3, Na2CO3, silicate glass	**137**
CaCO3, Na2CO3, CaF2, NaF	**369**
CaCO3, Na2CO3, silicate glass	**134**
CaCO3, Na2CO3, silicate glass	**135**
CaCO3, silicate glass	**133**
CaCO3, silicate glass	**170**
cadmium, (Na,K)2SO4	**284**
cadmium, (Na,K)2SO4	**286**
CaF2	**342**
CaF2	**344**
CaF2	**346**
CaF2	**361**
CaF2	**375**
CaF2	**377**
CaF2	**378**
CaF2	**379**
CaF2	**413**
CaF2, Pt-Ni alloy	**343**
Ca-Na carbonate, unidentified fluoride	**364**
CaSO4	**19**
CaSO4	**20**
CaSO4	**53**
CaSO4	**54**
CaSO4	**514**

CaSO4 **518**
CaSO4, Na2SO4 **128**
CaSO4, silicate glass **513**
CaSO4·2H2O **223**
CaSO4·2H2O **376**
CaSO4·2H2O **398**
CaSO4·2H2O **399**
CaSO4·2H2O **469**
CaSO4·2H2O **516**
CaSO4·2H2O, altered silicate glass **496**
CaSO4·2H2O, altered silicate glass **506**
CaTiSiO5 **162**
CaTiSiO5 **163**
CaTiSiO5 **164**
complex Al-Mg-Na-Ca fluoride with water (ralstonite-like) **21**
complex Al-Mg-Na-Ca fluoride with water (ralstonite-like) **22**
Cu1.8S **467**
Cu1.8S **468**
Fe(W,Re)O4 **551**
Fe(W,Re)O4 **552**
Fe(W,Re)O4 **553**
Fe(W,Re)O4 **554**
Fe2O3 **2**
Fe2O3 **3**
Fe2O3 **5**
Fe2O3 **8**
Fe2O3 **9**
Fe2O3 **24**
Fe2O3 **25**
Fe2O3 **31**
Fe2O3 **32**
Fe2O3 **33**
Fe2O3 **59**
Fe2O3 **60**
Fe2O3 **113**
Fe2O3 **114**
Fe2O3 **115**
Fe2O3 **201**

Fe2O3	**272**
Fe2O3	**299**
Fe2O3	**300**
Fe2O3	**301**
Fe2O3	**308**
Fe2O3	**309**
Fe2O3	**311**
Fe2O3	**314**
Fe2O3	**436**
Fe2O3	**515**
Fe2O3	**63**
Fe2O3	**65**
Fe2O3	**198**
Fe2O3	**199**
Fe2O3, (Na,K)2SO4	**1**
Fe2O3, (Na,K)2SO4	**4**
Fe2O3, (Na,K)2SO4	**6**
Fe2O3, (Na,K)2SO4	**7**
Fe2O3, (Na,K)2SO4	**108**
Fe2O3, (Na,K)2SO4	**118**
Fe2O3, (Na,K)2SO4	**119**
Fe2O3, (Na,K)2SO4, Ag(Br,Cl)	**109**
Fe2O3, Ag2S, Ag(Cl,Br)	**106**
Fe2O3, altered silicate glass	**492**
Fe2O3, altered silicate glass	**495**
Fe2O3, CuO, NaCl	**67**
Fe2O3, CuO, NaCl, (Na,K)2SO4, silicate glass	**68**
Fe2O3, CuO, silicate glass	**69**
Fe2O3, K2SiF6	**117**
Fe2O3, Na2SO4	**107**
Fe2O3, Na2SO4, NaCl, CuO	**66**
Fe2O3, silicate glass	**132**
Fe2O3, silicate glass	**437**
Fe2O3, Ta2O5	**34**
Fe2TiO4	**202**
Fe2TiO4	**203**
Fe2TiO4	**204**

Fe-Cu-S-O-Cl unidentified phases	**70**
Fe-Cu-S-O-Cl unidentified phases	**71**
Fe-Cu-S-O-Cl unidentified phases	**72**
Fe-Cu-S-O-Cl unidentified phases	**73**
Fe-Cu-S-O-Cl unidentified phases	**74**
feldspar	**171**
FeS2	**483**
FeS2	**484**
gold	**172**
gold	**173**
gold	**174**
gold	**175**
gold	**176**
gold	**177**
gold, Ag-Pt alloy, CaCO3, Ca5(PO4)3(F,OH)	**373**
gold, Ca5(PO4)3(F,OH)	**371**
gold, unidentified Na-Ca carbonate	**386**
In2O3	**451**
In2O3	**452**
In2O3	**454**
In2O3, gold	**453**
K(Al,As)Si3O8	**197**
K(Al,As)Si3O8	**200**
K(Al,As)Si3O8	**195**
K(Al,As)Si3O8	**196**
K2Pb(SO4)2	**192**
K2Pb(SO4)2	**193**
K2Pb(SO4)2	**194**
K2SiF6	**103**
K2SiF6	**116**
K2SiF6, excessive oxygen	**39**
K2SiF6, excessive oxygen	**40**
K2SiF6, excessive oxygen	**41**
K3NaCu4O2(SO4)4	**165**
K3NaCu4O2(SO4)4	**166**
K3NaCu4O2(SO4)4	**167**
MnO, Ca5(PO4)3(F,OH)	**411**
MoO3	**129**

MoO3 **130**
MoO3 **131**
MoO3 **141**
MoO3 **142**
MoO3 **143**
MoO3 **144**
MoO3 **180**
MoO3, CuO **154**
MoO3, CuO **155**
MoO3, CuO **156**
MoO3, Ta2O5 **178**
MoO3, Ta2O5 **179**
MoO3, Ta2O5, WO3 **181**
MoO3, Ta2O5, WO3 **183**
MoO3, Ta2O5, WO3 **184**
Na,K)2SO4 **285**
Na2CdCl4 **146**
Na2CdCl4 **147**
Na2CdCl4 **148**
Na2CdCl4 **150**
Na2CdCl4 **151**
Na2CO3, Ag2S, Ca5(PO4)4(F,OH) **335**
Na2SO4 **304**
Na2SO4 **313**
NaAlSi3O8 **348**
NaAlSi3O8 **359**
NaCdCl3 **149**
NaCl **18**
NaCl **120**
NaCl **145**
NaCl, Na2CdCl4 **152**
NaCl, Na2CdCl4 **153**
NaMgAlF6·H2O (ralstonite) **46**
NaMgAlF6·H2O (ralstonite) **47**
NaMgAlF6·H2O (ralstonite) **48**
NaMgAlF6·H2O (ralstonite) **49**
NaMgAlF6·H2O (ralstonite) **51**

NaMgAlF6·H2O (ralstonite), possible CaF2 **50**
NaMgAlF6·H2O (ralstonite), silicate glass **52**
native Fe **360**
native Fe **370**
native Fe **382**
native Fe **383**
native gold, NaCl **17**
native iron **472**
NaZnCl3 **478**
NaZnCl3 **479**
Nb2O5 **423**
Nb2O5 **426**
Nb2O5 **427**
Ni(Fe,Ti)2O4, NiO **555**
NiF2 **208**
NiF2 **209**
palladium, (Na,K)2SO4 **281**
palladium, (Na,K)2SO4 **282**
Pb-O-Cl phase **89**
Pb-O-Cl phase **90**
Pb-O-Cl phase **91**
platinum, Ca5(PO4)3(F,OH) **409**
ReS2 **404**
ReS2 **405**
Selenium, altered silicate glass **435**
silicate glass **44**
silicate glass **57**
silicate glass **58**
silicate glass **76**
silicate glass **77**
silicate glass **78**
silicate glass **79**
silicate glass **80**
silicate glass **84**
silicate glass **85**
silicate glass **138**
silicate glass **139**
silicate glass **140**

silicate glass	**185**
silicate glass	**186**
silicate glass	**189**
silicate glass	**190**
silicate glass	**205**
silicate glass	**206**
silicate glass	**207**
silicate glass	**219**
silicate glass	**220**
silicate glass	**221**
silicate glass	**222**
silicate glass	**228**
silicate glass	**231**
silicate glass	**233**
silicate glass	**291**
silicate glass	**292**
silicate glass	**329**
silicate glass	**338**
silicate glass	**358**
silicate glass	**441**
silicate glass	**458**
silicate glass	**461**
silicate glass	**463**
silicate glass	**465**
silicate glass	**489**
silicate glass	**504**
silicate glass	**510**
silicate glass	**511**
silicate glass	**517**
silicate glass	**462**
silicate glass (microsphere)	**28**
silicate glass (microsphere)	**29**
silicate glass (microsphere)	**30**
silicate glass (microsphere)	**61**
silicate glass (microsphere)	**62**
silicate glass (microsphere)	**64**

silicate glass (microsphere)	**81**
silicate glass (microsphere)	**82**
silicate glass (microsphere)	**83**
silicate glass (microsphere)	**310**
silicate glass (microsphere)	**312**
silicate glass (microsphere)	**455**
silicate glass (microsphere)	**456**
silicate glass (microsphere)	**457**
silicate glass (microsphere)	**459**
silicate glass (microsphere)	**460**
silicate glass, (Fe,Ti)3O4	**294**
silicate glass, BaSO4	**466**
silicate glass, CaSO4·2H2O	**226**
silicate glass, CaSO4·2H2O	**227**
silicate glass, complex Al-Mg-Na-Ca fluoride with water	**23**
silicate glass, Fe2O3	**27**
silicate glass, Fe2TiO4	**464**
silicate glass, iron oxide	**224**
silicate glass, iron oxide	**225**
silicate glass, iron oxide	**229**
silicate glass, iron oxide	**230**
silicate glass, iron oxide	**232**
silicate glass, iron oxide, unidentified fluorides	**218**
silicate glass, NiF2, unidentified fluorides	**212**
silicate glass, NiF2, unidentified fluorides	**213**
silicate glass, NiF2, unidentified fluorides	**215**
silicate glass, unidentified fluoride	**45**
silicate glass, unidentified fluorides	**210**
silicate glass, unidentified fluorides	**211**
silicate glass, unidentified fluorides	**214**
silicate glass, unidentified fluorides	**217**
silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn	**480**
silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn	**481**

silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn	**482**
silicate glass, unidentified sulfates of Fe, Ni, Cu, Zn	**475**
silicate glass, unidentified sulfates of Fe, Ni, Cu, Zn	**476**
silicate glass, ZnCl2	**126**
silver-platinum alloy	**324**
silver-platinum alloy	**325**
silver-platinum alloy	**326**
silver-platinum alloy	**328**
silver-platinum alloy, Na2SO4	**327**
SiO2	**26**
SiO2·(nH2O)	**357**
Ta2O2, silicate glass, (Na,K)2SO4	**287**
Ta2O5	**449**
Ta2O5	**450**
unidentified Al hydroxide, NaCl	**400**
unidentified Al hydroxide, NaCl	**401**
unidentified Al hydroxide, NaCl	**402**
unidentified Al hydroxide, NaCl	**403**
unidentified Al-Fe-Zn phosphate	**296**
unidentified Al-Fe-Zn phosphate	**297**
unidentified Al-Fe-Zn phosphate	**298**
unidentified Al-Ti oxide or hydroxide	**319**
unidentified aluminosilicate mineral, probably pyrophyllite	**320**
unidentified aluminum oxide/hydroxide	**418**
unidentified Fe-Cu-S-O phase, silicate glass	**86**
unidentified fluoride	**290**
unidentified Na-Ca carbonate	**380**
unidentified Na-Ca carbonate	**381**
unidentified Na-Ca carbonate	**385**
unidentified Na-Ca carbonate	**388**
unidentified Na-Ca carbonate	**412**
unidentified Pb-Fe-K sulfate, silicate glass	**87**
unidentified Pb-Fe-K sulfate, silicate glass	**88**
unidentified sulfates of Fe, Ni, Cu, Zn	**477**
WO3	**406**
WO3	**407**

ZnO	**424**
ZnO	**425**
ZrO(OH)2	**351**
ZrO(OH)2	**352**
ZrSiO4	**355**
ZrSiO4	**356**

Table S1

Site: Filtr-1
Spectrum: Spectrum 1 19-Mar-2013 03:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	233250	300.00/353.26	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.60	0.9784	20.02	0.64	64.43	7.20	1.51	O	23.64
Na K	1.46	0.5189	2.81	0.24	6.30	3.79	0.32	Na2O	2.31
Al K	0.05	0.6156	0.09	0.10	0.17	0.17	0.19	Al2O3	0.06
Si K	0.10	0.7401	0.14	0.06	0.26	0.30	0.13	SiO2	0.10
S K	3.27	0.9171	3.57	0.22	5.73	8.91	0.55	SO3	2.10
Cl K	0.61	0.8898	0.68	0.08	0.99	0.68	0.08	Cl	0.36
K K	3.39	1.0870	3.12	0.12	4.10	3.76	0.14	K2O	1.50
Mn K	0.15	0.8631	0.18	0.10	0.17	0.23	0.13	MnO	0.06
Fe K	16.83	0.8825	19.07	0.40	17.58	24.53	0.51	FeO	6.45
Cu K	0.23	0.8145	0.28	0.18	0.23	0.35	0.23	CuO	0.08
Se L	0.00	0.4253	0.00	0.18	0.00	0.00	0.25	SeO2	0.00
Mo L	0.05	0.7689	0.06	0.66	0.03	0.09	0.99	MoO3	0.01
Total			50.02+/-	1.10	CompSum	42.14+/-	1.36	CatSum	12.68
								An.Sum	24.00

Low total
Inferred phases: Fe2O3 + (Na,K)2SO4

Table S2

Site: Filtr1-1a
Spectrum: 1 19-Mar-2013 03:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	90499	83.34/104.57	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.66	1.3186	25.52	1.20	56.90	5.56	2.30	O	23.92
Na K	0.84	0.4242	1.97	0.50	3.06	2.66	0.67	Na2O	1.29
Si K	0.21	0.6808	0.30	0.18	0.39	0.64	0.39	SiO2	0.16
S K	1.34	0.8848	1.52	0.22	1.69	3.80	0.55	SO3	0.71
Cl K	0.18	0.9150	0.20	0.16	0.20	0.20	0.16	Cl	0.08
K K	1.55	1.1410	1.36	0.20	1.24	1.64	0.24	K2O	0.52
Mn K	0.02	0.9070	0.02 <	0.24	0.02	0.03 <	0.31	MnO	0.01
Fe K	52.82	0.9262	57.03	1.24	36.43	73.37	1.60	FeO	15.31

Cu K	0.12	0.8280	0.14 <	0.38	0.08	0.18 <	0.48	CuO	0.03
Total			88.07+/- 1.89	CompSum	82.30+/- 1.96			CatSum	18.04
								An.Sum	24.00

Inferred phases: Fe2O3

Table S3

Spectrum: 2 19-Mar-2013 03:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	78626	70.00/88.33	6	20.00

Peak omited: 12.220 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.23	1.3864	26.85	1.28	58.24	7.04	2.44	O	23.93
Na K	0.24	0.4126	0.59	0.44	0.89	0.80	0.59	Na2O	0.37
Si K	0.14	0.6776	0.20	0.18	0.25	0.43	0.39	SiO2	0.10
S K	0.79	0.8842	0.90	0.22	0.97	2.25	0.55	SO3	0.40
Cl K	0.16	0.9207	0.18	0.18	0.17	0.18	0.18	Cl	0.07
K K	0.99	1.1484	0.86	0.18	0.76	1.04	0.22	K2O	0.31
Mn K	0.35	0.9111	0.38	0.30	0.24	0.49	0.39	MnO	0.10
Fe K	57.61	0.9302	61.93	1.42	38.48	79.67	1.83	FeO	15.81
Cu K	0.00	0.8284	0.00	0.00	0.00			CuO	0.00
Total			91.89+/- 2.02		CompSum	84.67+/- 2.08		CatSum	17.09
								An.Sum	24.00

Inferred phases: Fe2O3

Table S4

Spectrum: 3 19-Mar-2013 03:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	58025	70.00/83.15	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.01	0.9828	19.33	1.32	60.57	4.08	2.15	O	23.71
Na K	0.81	0.4823	1.69	0.44	3.68	2.28	0.59	Na2O	1.44
Si K	0.08	0.7288	0.11 <	0.14	0.19	0.24 <	0.30	SiO2	0.07
S K	3.77	0.9147	4.12	0.30	6.44	10.29	0.75	SO3	2.52
Cl K	0.46	0.8916	0.51	0.16	0.73	0.51	0.16	Cl	0.29
K K	3.73	1.1005	3.39	0.26	4.34	4.08	0.31	K2O	1.70
Mn K	0.00	0.8772	0.00	0.00	0.00			MnO	0.00
Fe K	23.77	0.8972	26.50	0.96	23.78	34.09	1.24	FeO	9.31
Cu K	0.29	0.8204	0.35 <	0.40	0.28	0.44 <	0.50	CuO	0.11
Total			55.99+/- 1.79		CompSum	51.41+/- 1.70		CatSum	15.16
								An.Sum	24.00

Low total
Inferred phases: Fe2O3 + (Na,K)2SO4

Table S5

Spectrum: 4 19-Mar-2013 03:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	81452	70.00/89.08	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	39.06	1.4551	26.85	1.26	58.22	7.44	2.43	O	23.95
Na K	0.12	0.4059	0.31 <	0.46	0.46	0.42 <	0.62	Na2O	0.19
Si K	0.17	0.6722	0.26	0.20	0.32	0.56	0.43	SiO2	0.13
S K	0.17	0.8803	0.20	0.20	0.22	0.50	0.50	SO3	0.09
Cl K	0.12	0.9237	0.13 <	0.16	0.13	0.13 <	0.16	Cl	0.05
K K	0.24	1.1535	0.21	0.16	0.19	0.25	0.19	K2O	0.08
Mn K	0.21	0.9149	0.23 <	0.28	0.14	0.30 <	0.36	MnO	0.06
Fe K	60.62	0.9338	64.92	1.42	40.33	83.52	1.83	FeO	16.59
Cu K	0.00	0.8292	0.00	0.00	0.00			CuO	0.00
Total			93.09+/- 2.01		CompSum	85.54+/- 2.08		CatSum	17.14
								An.Sum	24.00

Inferred phases: Fe2O3

Table S6

Spectrum: 5 19-Mar-2013 03:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	85110	70.00/89.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.99	0.6248	48.01	2.48	61.26	8.67	3.24	O	23.99
Na K	17.53	0.8571	20.45	0.84	18.16	27.57	1.13	Na2O	7.11
Si K	0.10	0.8244	0.12 <	0.14	0.09	0.26 <	0.30	SiO2	0.04
S K	18.26	0.9560	19.10	0.58	12.16	47.69	1.45	SO3	4.76
Cl K	0.05	0.8253	0.05 <	0.16	0.03	0.05 <	0.16	Cl	0.01
K K	14.91	1.0138	14.71	0.48	7.68	17.72	0.58	K2O	3.01
Mn K	0.04	0.8071	0.05 <	0.24	0.02	0.06 <	0.31	MnO	0.01
Fe K	1.08	0.8271	1.31	0.34	0.48	1.69	0.44	FeO	0.19
Cu K	0.31	0.8008	0.38 <	0.40	0.12	0.48 <	0.50	CuO	0.05
Total			104.18+/- 2.79		CompSum	95.46+/- 2.08		CatSum	15.16
								An.Sum	24.00

Inferred phases: Fe2O3 + (Na,K)2SO4

Table S7

Spectrum: 6 19-Mar-2013 03:42 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	95667	70.00/92.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	57.11	0.9876	57.84	2.24	65.62	25.25	3.33	O	23.98
Na K	9.25	0.5839	15.84	1.00	12.51	21.35	1.35	Na2O	4.57
Si K	0.48	0.7439	0.64	0.22	0.42	1.37	0.47	SiO2	0.15
S K	8.55	0.9111	9.38	0.44	5.31	23.42	1.10	SO3	1.94
Cl K	0.09	0.8812	0.11 <	0.18	0.06	0.11 <	0.18	Cl	0.02
K K	9.85	1.0773	9.14	0.40	4.24	11.01	0.48	K2O	1.55
Mn K	0.09	0.8466	0.11 <	0.26	0.04	0.14 <	0.34	MnO	0.01
Fe K	31.22	0.8648	36.10	1.14	11.73	46.44	1.47	FeO	4.29
Cu K	0.21	0.8074	0.27 <	0.44	0.08	0.34 <	0.55	CuO	0.03
Total			129.43+/- 2.83		CompSum	104.07+/- 2.46		CatSum	12.54
								An.Sum	24.00

High total

Inferred phases: Fe2O3 + (Na,K)2SO4

Table S8

Spectrum: 7 19-Mar-2013 03:44 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	80311	70.00/88.84	6	20.00

Peak omited: 12.280 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.75	1.4405	28.29	1.32	61.35	10.32	2.45	O	23.96
Na K	0.23	0.4139	0.55	0.48	0.83	0.74	0.65	Na2O	0.32
Si K	0.00	0.6781	0.00	0.00	0.00			SiO2	0.00
S K	0.45	0.8847	0.51	0.20	0.55	1.27	0.50	SO3	0.21
Cl K	0.10	0.9232	0.11 <	0.16	0.11	0.11 <	0.16	Cl	0.04
K K	0.70	1.1486	0.61	0.18	0.54	0.73	0.22	K2O	0.21
Mn K	1.04	0.9085	1.14	0.32	0.72	1.47	0.41	MnO	0.28
Fe K	53.16	0.9274	57.32	1.36	35.61	73.74	1.75	FeO	13.91
Cu K	0.45	0.8270	0.54	0.46	0.29	0.68	0.58	CuO	0.11
Total			89.07+/- 2.06		CompSum	78.64+/- 2.07		CatSum	15.05
								An.Sum	24.00

Inferred phases: Fe2O3

Table S9

Spectrum: 8 19-Mar-2013 03:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	90400	70.00/91.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	59.99	1.5008	39.97	1.52	67.80	20.68	2.70	O	23.94
Na K	0.19	0.4246	0.44 <	0.56	0.52	0.59 <	0.75	Na2O	0.18
Si K	0.17	0.6896	0.25	0.22	0.24	0.53	0.47	SiO2	0.08
S K	0.46	0.8875	0.52	0.20	0.44	1.30	0.50	SO3	0.16
Cl K	0.20	0.9225	0.22	0.18	0.17	0.22	0.18	Cl	0.06
K K	0.57	1.1396	0.50	0.18	0.35	0.60	0.22	K2O	0.12
Mn K	0.18	0.8957	0.21 <	0.28	0.10	0.27 <	0.36	MnO	0.04
Fe K	57.08	0.9135	62.49	1.44	30.37	80.39	1.85	FeO	10.72
Cu K	0.04	0.8195	0.05 <	0.46	0.02	0.06 <	0.58	CuO	0.01
Total			104.64+/- 2.27		CompSum	83.75+/- 2.23		CatSum	11.31
								An.Sum	24.00

Inferred phases: Fe2O3

Table S10

Site: Filtr2-3-1

Spectrum: 1 19-Mar-2013 05:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	143253	150.00/182.33	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.03	0.4212	14.31	1.28	46.99	-20.10	2.46	O	21.70
Na K	0.89	0.8556	1.03	0.20	2.36	1.39	0.27	Na2O	1.09
Mg K	0.00	0.7587	0.00	0.00	0.00			MgO	0.00
Al K	0.04	0.8809	0.04 <	0.08	0.08	0.08 <	0.15	Al2O3	0.04

Si K	0.01	0.9864	0.01 <	0.06	0.02	0.02 <	0.13	SiO2	0.01
S K	22.53	1.0579	21.30	0.48	34.90	53.19	1.20	SO3	16.12
Cl K	2.42	0.7215	3.36	0.22	4.98	3.36	0.22	Cl	2.30
K K	5.48	0.9146	5.99	0.24	8.05	7.22	0.29	K2O	3.72
Ca K	0.02	0.8486	0.03 <	0.12	0.03	0.04 <	0.17	CaO	0.01
Ti K	0.00	0.7742	0.00	0.00	0.00			TiO2	0.00
Fe K	0.21	0.8487	0.25	0.16	0.23	0.32	0.21	FeO	0.11
Cu K	1.74	0.8302	2.10	0.34	1.74	2.63	0.43	CuO	0.80
Tl M	2.37	1.0042	2.36	1.42	0.61	2.64	1.59	Tl2O3	0.28
Total			50.78+/- 2.05	CompSum	67.52+/- 2.10			CatSum	22.18
								An.Sum	24.00

Inferred phases: (K,Na,Cu,Tl)HSO4

Table S11

Spectrum: 2 19-Mar-2013 05:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	137035	150.00/181.06	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.25	0.4999	14.52	1.10	45.13	-12.49	1.96	O	22.28
Na K	1.03	0.7891	1.31	0.20	2.83	1.77	0.27	Na2O	1.40
Mg K	0.53	0.7109	0.74	0.12	1.52	1.23	0.20	MgO	0.75
Al K	2.68	0.8169	3.28	0.18	6.04	6.20	0.34	Al2O3	2.98
Si K	10.01	0.8437	11.86	0.30	21.01	25.37	0.64	SiO2	10.37
S K	2.78	0.8141	3.42	0.26	5.30	8.54	0.65	SO3	2.62
Cl K	2.01	0.8092	2.49	0.18	3.49	2.49	0.18	Cl	1.72
K K	2.73	1.0030	2.72	0.18	3.46	3.28	0.22	K2O	1.71
Ca K	3.33	0.9372	3.55	0.20	4.41	4.97	0.28	CaO	2.18
Ti K	0.83	0.8076	1.02	0.16	1.06	1.70	0.27	TiO2	0.52
Fe K	4.57	0.8511	5.37	0.34	4.78	6.91	0.44	FeO	2.36
Cu K	0.96	0.8186	1.18	0.32	0.92	1.48	0.40	CuO	0.45
Tl M	0.20	0.7731	0.25 <	0.90	0.06	0.28 <	1.01	Tl2O3	0.03
Total			51.70+/- 1.62	CompSum	61.71+/- 1.62			CatSum	25.37
								An.Sum	24.00

Inferred phases: (K,Na,Cu,Tl)HSO4 + silicate glass

Table S12

Spectrum: 3 19-Mar-2013 06:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	94835	150.00/170.94	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.26	0.4589	4.94	0.74	39.77	-2.34	1.46	O	15.30
Na K	1.40	0.7448	1.88	0.24	10.56	2.53	0.32	Na2O	4.06
Mg K	0.00	0.5967	0.00 <	0.08	0.01	0.00 <	0.13	MgO	0.00
Al K	0.04	0.7275	0.05 <	0.06	0.26	0.09 <	0.11	Al2O3	0.10
Si K	0.00	0.8465	0.00	0.00	0.00			SiO2	0.00
S K	3.58	1.0022	3.57	0.24	14.33	8.91	0.60	SO3	5.51
Cl K	5.39	0.8650	6.23	0.24	22.61	6.23	0.24	Cl	8.70

K	K	1.45	0.9305	1.56	0.14	5.14	1.88	0.17	K2O	1.98
Ca	K	0.00	0.8843	0.00	0.00	0.00			CaO	0.00
Ti	K	0.00	0.8039	0.00	0.00	0.00			TiO2	0.00
Fe	K	0.06	0.8895	0.06 <	0.12	0.14	0.08 <	0.15	FeO	0.05
Cu	K	2.95	0.8490	3.47	0.36	7.04	4.34	0.45	CuO	2.71
Tl	M	0.19	0.9403	0.20 <	0.82	0.12	0.22 <	0.92	Tl2O3	0.05
Total				21.97+/-	1.25	CompSum	18.07+/-	1.26	CatSum	14.47
									An.Sum	24.00

Inferred phases: (K,Na)SO4 + NaCl + CuCl2

Table S13

Spectrum: 4 19-Mar-2013 06:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	143313	150.00/182.47	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	14.31	0.5508	25.95	1.38	59.05	-0.17 <	2.43	O	21.72
Na	K	5.92	0.8362	7.08	0.38	11.21	9.54	0.51	Na2O	4.12
Mg	K	0.03	0.6464	0.04 <	0.10	0.07	0.07 <	0.17	MgO	0.03
Al	K	0.00	0.7730	0.00	0.00	0.00			Al2O3	0.00
Si	K	0.02	0.8861	0.02 <	0.08	0.03	0.04 <	0.17	SiO2	0.01
S	K	14.42	0.9999	14.43	0.42	16.38	36.03	1.05	SO3	6.02
Cl	K	4.86	0.8026	6.05	0.26	6.21	6.05	0.26	Cl	2.28
K	K	5.54	0.9561	5.79	0.22	5.39	6.97	0.27	K2O	1.98
Ca	K	0.01	0.8848	0.01 <	0.12	0.01	0.01 <	0.17	CaO	0.00
Ti	K	0.02	0.7888	0.03 <	0.12	0.02	0.05 <	0.20	TiO2	0.01
Fe	K	0.13	0.8432	0.15 <	0.16	0.10	0.19 <	0.21	FeO	0.04
Cu	K	1.70	0.8175	2.08	0.34	1.19	2.60	0.43	CuO	0.44
Tl	M	1.84	0.9473	1.94	1.34	0.35	2.17	1.50	Tl2O3	0.13
Total				63.59+/-	2.08	CompSum	57.69+/-	2.01	CatSum	12.78
									An.Sum	24.00

Inferred phases: (K,Na)SO4 + NaCl

Table S14

Spectrum: 5 19-Mar-2013 06:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	165353	150.00/187.95	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	28.37	0.7451	38.09	1.42	60.63	2.44	2.41	O	23.12
Na	K	4.15	0.7399	5.60	0.38	6.21	7.55	0.51	Na2O	2.37
Mg	K	1.18	0.6379	1.84	0.20	1.93	3.05	0.33	MgO	0.74
Al	K	3.28	0.7417	4.42	0.22	4.17	8.35	0.42	Al2O3	1.59
Si	K	10.26	0.7987	12.84	0.32	11.64	27.47	0.68	SiO2	4.44
S	K	4.83	0.8388	5.75	0.32	4.57	14.36	0.80	SO3	1.74
Cl	K	2.63	0.8196	3.21	0.20	2.31	3.21	0.20	Cl	0.88
K	K	1.64	1.0075	1.63	0.14	1.06	1.96	0.17	K2O	0.40
Ca	K	2.50	0.9553	2.62	0.18	1.66	3.67	0.25	CaO	0.63
Ti	K	0.60	0.8250	0.73	0.16	0.39	1.22	0.27	TiO2	0.15
Fe	K	8.91	0.8482	10.51	0.46	4.79	13.52	0.59	FeO	1.83
Cu	K	1.02	0.8085	1.26	0.32	0.50	1.58	0.40	CuO	0.19
Tl	M	0.84	0.7982	1.06 <	1.08	0.13	1.18 <	1.21	Tl2O3	0.05

Total			89.55+/- 2.01	CompSum	83.91+/- 1.94	CatSum	14.13		
						An.Sum	24.00		

Inferred phases: (K,Na)SO4 + (Na,K)Cl + silicate glass

Table S15

Spectrum: 6 19-Mar-2013 06:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	99654	150.00/171.92	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.48	0.5061	10.83	0.94	59.58	5.08	1.48	O	18.46
Na K	1.11	0.7438	1.49	0.22	5.70	2.01	0.30	Na2O	1.77
Mg K	0.00	0.6357	0.00	0.00	0.00			MgO	0.00
Al K	0.02	0.7647	0.03 <	0.06	0.10	0.06 <	0.11	Al2O3	0.03
Si K	0.00	0.8786	0.00 <	0.06	0.01	0.00 <	0.13	SiO2	0.00
S K	2.71	1.0164	2.67	0.20	7.33	6.67	0.50	SO3	2.27
Cl K	6.54	0.9064	7.21	0.24	17.90	7.21	0.24	Cl	5.54
K K	2.42	0.9521	2.54	0.16	5.72	3.06	0.19	K2O	1.77
Ca K	0.00	0.8853	0.00	0.00	0.00			CaO	0.00
Ti K	0.01	0.7948	0.01 <	0.10	0.02	0.02 <	0.17	TiO2	0.01
Fe K	0.00	0.8622	0.00	0.00	0.00			FeO	0.00
Cu K	2.05	0.8288	2.47	0.34	3.43	3.09	0.43	CuO	1.06
Tl M	0.48	0.9517	0.51 <	0.74	0.22	0.57 <	0.83	Tl2O3	0.07
Total			27.77+/- 1.32	CompSum	15.47+/- 1.14	CatSum			6.98
						An.Sum			24.00

Low total

Inferred phases: (Na,K)Cl + (K,Na)SO4 + CuCl2

Table S16

Spectrum: 7 19-Mar-2013 06:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	44.94	275346	118495	150.00/176.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.83	0.5177	18.97	1.22	61.93	7.13	1.92	O	20.24
Na K	2.45	0.7664	3.19	0.30	7.25	4.30	0.40	Na2O	2.37
Mg K	0.00	0.6393	0.00 <	0.10	0.01	0.00 <	0.17	MgO	0.00
Al K	0.03	0.7674	0.04 <	0.08	0.09	0.08 <	0.15	Al2O3	0.03
Si K	0.04	0.8787	0.05 <	0.08	0.09	0.11 <	0.17	SiO2	0.03
S K	5.92	1.0068	5.88	0.28	9.58	14.68	0.70	SO3	3.13
Cl K	6.90	0.8830	7.81	0.26	11.50	7.81	0.26	Cl	3.76
K K	5.21	0.9719	5.36	0.22	7.16	6.46	0.27	K2O	2.34
Ca K	0.06	0.8839	0.06 <	0.10	0.08	0.08 <	0.14	CaO	0.03
Ti K	0.00	0.7892	0.00	0.00	0.00			TiO2	0.00
Fe K	0.20	0.8467	0.23	0.14	0.22	0.30	0.18	FeO	0.07
Cu K	1.99	0.8166	2.43	0.34	2.00	3.04	0.43	CuO	0.65
Tl M	0.33	0.9469	0.35 <	0.96	0.09	0.39 <	1.07	Tl2O3	0.03
Total			44.40+/- 1.69	CompSum	29.43+/- 1.48	CatSum			8.68
						An.Sum			24.00

Low total

Inferred phases: (Na,K)Cl + (K,Na)SO4 + CuCl2

Table S17

Site: Filtr1-1a
Spectrum: 1 11-Jun-2013 03:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	68658	49.99/66.91	6	20.00

Peak omited: 6.460 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	3.20	0.5502	5.82	1.42	39.48	1.79	< 3.01	O	17.59
Na K	3.06	0.9542	3.21	0.50	15.13	4.33	0.67	Na2O	6.74
Si K	0.81	1.1195	0.73	0.24	2.80	1.56	0.51	SiO2	1.25
Cl K	3.27	0.6960	4.70	0.48	14.38	4.70	0.48	Cl	6.41
Au M	48.01	0.9373	51.21	2.42	28.21	53.29	2.52	Au2O	12.57
Total			65.67+/-	2.90	CompSum	59.18+/-	2.66	CatSum	20.56
								An.Sum	24.00

Inferred phases: native gold + NaCl

Table S18

Spectrum: 2 11-Jun-2013 03:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	33959	36.11/43.84	6	20.00

Peaks Omited: 1.748, 2.150 keV
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.55	0.3582	4.32	1.62	18.11
Na K	9.98	1.1561	8.64	0.66	25.18
Cl K	31.32	1.0434	30.00	0.98	56.71
Total			42.96+/-	2.01	

Low total
Inferred phases: NaCl

Table S19

Site: Filtr1-2a
Spectrum: 1 11-Jun-2013 04:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	53976	50.00/62.21	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	38.50	0.5541	69.47	4.40	77.02	34.80	4.96	O	22.93
F K	0.47	0.1298	3.60	1.96	3.36	3.60	1.96	F	1.00
Na K	0.11	0.6800	0.17 <	0.44	0.13	0.23 <	0.59	Na2O	0.04
Mg K	0.00	0.6603	0.00	0.00	0.00			MgO	0.00
Al K	0.76	0.7848	0.97	0.28	0.64	1.83	0.53	Al2O3	0.19
Si K	0.07	0.8785	0.09 <	0.20	0.05	0.19 <	0.43	SiO2	0.01
S K	16.75	0.9856	17.00	0.70	9.40	42.45	1.75	SO3	2.80
Cl K	0.43	0.8621	0.50	0.22	0.25	0.50	0.22	Cl	0.07
K K	0.33	1.0581	0.31	0.20	0.14	0.37	0.24	K2O	0.04
Ca K	19.58	0.9698	20.19	0.76	8.93	28.25	1.06	CaO	2.66
Ti K	0.00	0.7711	0.00	0.00	0.00			TiO2	0.00
Fe K	0.20	0.8089	0.25 <	0.36	0.08	0.32 <	0.46	FeO	0.02
Total			112.52+/-	4.98	CompSum	73.65+/-	2.30	CatSum	5.77

									An.Sum	24.00

Inferred phases: CaSO4

Table S20

Spectrum: 2 11-Jun-2013 04:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	52273	50.00/61.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.56	0.6029	72.25	4.26	78.84	41.01	4.82	O	22.90
F K	0.50	0.1281	3.90	2.16	3.58	3.90	2.16	F	1.04
Na K	0.15	0.6712	0.22	< 0.46	0.16	0.30	< 0.62	Na2O	0.05
Mg K	0.07	0.6527	0.10	< 0.28	0.07	0.17	< 0.46	MgO	0.02
Al K	0.83	0.7762	1.07	0.28	0.69	2.02	0.53	Al2O3	0.20
Si K	0.00	0.8692	0.00	0.00	0.00			SiO2	0.00
S K	14.84	0.9792	15.16	0.66	8.25	37.85	1.65	SO3	2.40
Cl K	0.36	0.8681	0.41	0.22	0.20	0.41	0.22	Cl	0.06
K K	0.34	1.0602	0.32	0.20	0.14	0.39	0.24	K2O	0.04
Ca K	17.76	0.9716	18.28	0.72	7.96	25.58	1.01	CaO	2.31
Ti K	0.03	0.7750	0.03	< 0.24	0.01	0.05	< 0.40	TiO2	0.00
Fe K	0.19	0.8084	0.23	< 0.36	0.07	0.30	< 0.46	FeO	0.02
Total			111.97	+/- 4.94	CompSum	66.65	+/- 2.25	CatSum	5.04
								An.Sum	24.00

Inferred phases: CaSO4

Table S21

Spectrum: 3 11-Jun-2013 04:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	40980	50.00/59.01	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.18	0.9694	16.69	2.04	37.37	4.01	2.68	O	11.49
F K	6.00	0.2863	20.94	2.06	39.49	20.94	2.06	F	12.15
Na K	0.93	0.6556	1.42	0.46	2.22	1.91	0.62	Na2O	0.68
Mg K	1.33	0.6179	2.15	0.38	3.16	3.57	0.63	MgO	0.97
Al K	5.60	0.7039	7.96	0.52	10.56	15.04	0.98	Al2O3	3.25
Si K	0.17	0.6888	0.25	0.20	0.32	0.53	0.43	SiO2	0.10
S K	0.77	0.8642	0.89	0.22	0.99	2.22	0.55	SO3	0.30
Cl K	1.02	0.8802	1.16	0.24	1.17	1.16	0.24	Cl	0.36
K K	0.67	1.0592	0.63	0.20	0.58	0.76	0.24	K2O	0.18
Ca K	2.46	0.9909	2.48	0.32	2.22	3.47	0.45	CaO	0.68
Ti K	0.26	0.8316	0.31	0.22	0.23	0.52	0.37	TiO2	0.07
Fe K	2.21	0.8440	2.61	0.48	1.68	3.36	0.62	FeO	0.52
Total			57.50	+/- 3.10	CompSum	31.38	+/- 1.73	CatSum	6.75
								An.Sum	24.00

Inferred phases: complex Al-Mg-Na-Ca fluoride with water (ralstonite-like)

Table S22

Spectrum: 4 11-Jun-2013 04:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	57543	50.00/63.21	6	20.00

Peak omited: 5.490 keV

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	30.15	1.1576	26.05	2.46	27.11
F K	21.90	0.3762	58.22	2.92	51.04
Na K	3.50	0.6564	5.33	0.78	3.86
Mg K	3.46	0.6002	5.77	0.60	3.95
Al K	11.13	0.6778	16.41	0.78	10.13
Si K	0.45	0.6716	0.67	0.26	0.40
S K	0.64	0.8500	0.76	0.26	0.39
Cl K	1.34	0.8757	1.53	0.28	0.72
K K	0.85	1.0575	0.80	0.22	0.34
Ca K	2.52	0.9940	2.54	0.32	1.05
Ti K	0.46	0.8382	0.55	0.26	0.19
Fe K	2.28	0.8470	2.69	0.52	0.80
Total			121.33+/- 4.11		

Inferred phases: complex Al-Mg-Na-Ca fluoride with water (ralstonite-like)

Table S23

Site: Filtr_2-1

Spectrum: Spectrum 1 11-Jun-2013 04:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	50263	50.00/61.31	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.99	0.8255	24.22	2.54	34.90	0.73 <	3.41	O	11.34
F K	8.51	0.2874	29.61	2.50	35.93	29.61	2.50	F	11.68
Na K	2.81	0.6923	4.06	0.64	4.07	5.47	0.86	Na2O	1.32
Mg K	1.59	0.6273	2.53	0.44	2.40	4.20	0.73	MgO	0.78
Al K	7.55	0.7243	10.43	0.60	8.91	19.71	1.13	Al2O3	2.90
Si K	4.26	0.7262	5.87	0.48	4.81	12.56	1.03	SiO2	1.56
P K	0.48	1.0105	0.48	0.22	0.36	1.10	0.50	P2O5	0.12
Cl K	4.09	0.8783	4.65	0.40	3.03	4.65	0.40	Cl	0.98
K K	1.97	1.0425	1.89	0.28	1.11	2.28	0.34	K2O	0.36
Ca K	3.43	0.9772	3.51	0.38	2.02	4.91	0.53	CaO	0.66
Ti K	0.83	0.8286	1.00	0.30	0.48	1.67	0.50	TiO2	0.16
Fe K	4.06	0.8461	4.79	0.64	1.98	6.16	0.82	FeO	0.64
Total			93.05+/- 3.85		CompSum	58.05+/- 2.28		CatSum	8.49
								An.Sum	24.00

Inferred phases: silicate glass, complex Al-Mg-Na-Ca fluoride with water

Table S24

Site: Filtr_2-3

Spectrum: Spectrum 1 11-Jun-2013 05:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	50558	50.00/61.67	6	20.00

Peak omited: 2.320 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	35.80	1.4716	24.33	1.52	63.22	10.18	2.62	O	24.00
Ca K	0.53	1.1074	0.48	0.22	0.50	0.67	0.31	CaO	0.19
Fe K	45.11	0.9254	48.74	1.64	36.29	62.70	2.11	FeO	13.78
Total			73.55+/- 2.25	CompSum		63.37+/- 2.13		CatSum	13.97
								An.Sum	24.00

Inferred phases: Fe2O3

Table S25

Site: Filtr_2-2
Spectrum: Spectrum 1 11-Jun-2013 05:20 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.41	392226	81534	70.00/89.11	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	46.54	1.5107	30.80	1.48	61.44	11.47	2.56	O	24.00
Fe K	62.78	0.9304	67.47	1.62	38.56	86.80	2.08	FeO	15.06
Total			98.28+/- 2.19	CompSum		86.80+/- 2.08		CatSum	15.06
								An.Sum	24.00

Inferred phases: Fe2O3

Table S26

Site: Filtr_3-1
Spectrum: 1 11-Jun-2013 07:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.33	392434	121581	100.00/127.92	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.45	0.8217	45.58	1.92	65.65	-1.94 <	2.50	O	24.00
Na K	0.00	0.9045	0.00	0.00	0.00			Na2O	0.00
Mg K	0.00	0.8323	0.00	0.00	0.00			MgO	0.00
Al K	0.08	0.9427	0.08 <	0.14	0.07	0.15 <	0.26	Al2O3	0.03
Si K	41.13	0.9925	41.44	0.62	34.00	88.65	1.33	SiO2	12.43
P K	0.00	0.8058	0.00 <	0.14	0.00	0.00 <	0.32	P2O5	0.00
S K	0.01	0.7036	0.01 <	0.14	0.01	0.02 <	0.35	SO3	0.00
Cl K	0.00	0.7539	0.00	0.00	0.00			Cl	0.00
K K	0.03	0.9593	0.03 <	0.12	0.02	0.04 <	0.14	K2O	0.01
Ti K	0.00	0.7969	0.00	0.00	0.00			TiO2	0.00
V K	0.07	0.7916	0.09 <	0.18	0.04	0.16 <	0.32	V2O5	0.01
Fe K	0.24	0.8197	0.29	0.24	0.12	0.37	0.31	FeO	0.04
Cu K	0.16	0.7899	0.21 <	0.34	0.08	0.26 <	0.43	CuO	0.03
Cd L	0.03	0.7031	0.04 <	0.32	0.01	0.05 <	0.37	CdO	0.00
Total			87.78+/- 2.11	CompSum		89.71+/- 1.61		CatSum	12.56
								An.Sum	24.00

Inferred phases: SiO2

Table S27

Spectrum: 2 11-Jun-2013 07:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 45.33 392434 133675 100.00/131.29 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	62.22	0.9995	62.26	2.22	70.25	24.47	3.05	O	23.95
Na K	1.31	0.6137	2.14	0.50	1.68	2.88	0.67	Na2O	0.57
Mg K	0.29	0.5885	0.49	0.26	0.37	0.81	0.43	MgO	0.13
Al K	3.66	0.7128	5.13	0.34	3.43	9.69	0.64	Al2O3	1.17
Si K	14.90	0.7816	19.06	0.50	12.25	40.78	1.07	SiO2	4.18
P K	0.24	0.9698	0.24	0.18	0.14	0.55	0.41	P2O5	0.05
S K	0.43	0.8210	0.52	0.18	0.29	1.30	0.45	SO3	0.10
Cl K	0.23	0.8565	0.27	0.16	0.14	0.27	0.16	Cl	0.05
K K	5.36	1.0525	5.10	0.28	2.35	6.14	0.34	K2O	0.80
Ti K	0.65	0.8568	0.76	0.22	0.29	1.27	0.37	TiO2	0.10
V K	0.00	0.8623	0.00	0.00	0.00			V2O5	0.00
Fe K	22.38	0.8540	26.21	0.88	8.47	33.72	1.13	FeO	2.89
Cu K	0.95	0.8014	1.18	0.44	0.34	1.48	0.55	CuO	0.12
Cd L	0.00	0.7750	0.00	0.00	0.00			CdO	0.00
Total			123.36+/- 2.61		CompSum	98.62+/- 2.10		CatSum	10.10
								An.Sum	24.00

Inferred phases: silicate glass, Fe2O3

Table S28

Spectrum: 3 11-Jun-2013 08:00 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.33 392434 127150 100.00/129.85 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.51	0.8245	55.20	2.24	66.58	13.37	3.08	O	23.95
Na K	1.91	0.7010	2.73	0.48	2.29	3.68	0.65	Na2O	0.82
Mg K	0.45	0.6476	0.69	0.24	0.55	1.14	0.40	MgO	0.20
Al K	4.73	0.7663	6.17	0.34	4.41	11.66	0.64	Al2O3	1.59
Si K	19.18	0.8087	23.71	0.54	16.29	50.72	1.16	SiO2	5.86
P K	0.21	0.9357	0.22	0.18	0.14	0.50	0.41	P2O5	0.05
S K	0.50	0.7968	0.63	0.18	0.38	1.57	0.45	SO3	0.14
Cl K	0.21	0.8346	0.25	0.16	0.14	0.25	0.16	Cl	0.05
K K	7.04	1.0307	6.83	0.32	3.37	8.23	0.39	K2O	1.21
Ti K	1.02	0.8306	1.22	0.22	0.49	2.04	0.37	TiO2	0.18
V K	0.07	0.8317	0.08 <	0.20	0.03	0.14 <	0.36	V2O5	0.01
Fe K	11.41	0.8452	13.50	0.66	4.67	17.37	0.85	FeO	1.68
Cu K	1.75	0.8019	2.18	0.48	0.66	2.73	0.60	CuO	0.24
Cd L	0.02	0.7583	0.02 <	0.46	0.00	0.02 <	0.53	CdO	0.00
Total			113.44+/- 2.62		CompSum	99.81+/- 2.11		CatSum	11.97
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S29

Spectrum: 4 11-Jun-2013 08:03 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.33 392434 120216 100.00/127.68 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O	K	29.69	0.6950	42.72	2.10	61.08	1.17 <	2.87	O	23.99
Na	K	1.62	0.7896	2.05	0.36	2.04	2.76	0.49	Na2O	0.80
Mg	K	1.32	0.7192	1.84	0.26	1.73	3.05	0.43	MgO	0.68
Al	K	5.87	0.8151	7.20	0.36	6.11	13.60	0.68	Al2O3	2.40
Si	K	19.97	0.8229	24.27	0.56	19.77	51.92	1.20	SiO2	7.77
P	K	0.25	0.9060	0.28	0.18	0.21	0.64	0.41	P2O5	0.08
S	K	0.09	0.7762	0.12 <	0.14	0.09	0.30 <	0.35	SO3	0.04
Cl	K	0.02	0.8208	0.03 <	0.14	0.02	0.03 <	0.14	Cl	0.01
K	K	8.62	1.0191	8.46	0.34	4.95	10.19	0.41	K2O	1.94
Ti	K	1.02	0.8146	1.26	0.24	0.60	2.10	0.40	TiO2	0.24
V	K	0.11	0.8151	0.13 <	0.20	0.06	0.23 <	0.36	V2O5	0.02
Fe	K	6.46	0.8371	7.72	0.54	3.16	9.93	0.69	FeO	1.24
Cu	K	0.45	0.8024	0.56	0.40	0.20	0.70	0.50	CuO	0.08
Cd	L	0.00	0.7492	0.00	0.00	0.00			CdO	0.00
Total				96.63+/- 2.41		CompSum	95.44+/- 1.95		CatSum	15.29
Inferred phases: silicate glass (microsphere)									An.Sum	24.00

Table S30

Spectrum: 6 11-Jun-2013 08:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.33	392434	120169	100.00/127.51	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	35.53	0.7610	46.69	2.06	63.90	6.46	2.83	O	23.96
Na	K	1.11	0.7329	1.52	0.34	1.44	2.05	0.46	Na2O	0.54
Mg	K	0.96	0.6854	1.40	0.24	1.26	2.32	0.40	MgO	0.47
Al	K	5.50	0.7919	6.95	0.34	5.64	13.13	0.64	Al2O3	2.12
Si	K	18.49	0.8131	22.74	0.54	17.73	48.65	1.16	SiO2	6.65
P	K	0.30	0.9240	0.33	0.18	0.23	0.76	0.41	P2O5	0.09
S	K	0.15	0.7884	0.19	0.16	0.13	0.47	0.40	SO3	0.05
Cl	K	0.14	0.8306	0.17	0.14	0.10	0.17	0.14	Cl	0.04
K	K	7.54	1.0278	7.34	0.32	4.11	8.84	0.39	K2O	1.54
Ti	K	1.07	0.8258	1.29	0.24	0.59	2.15	0.40	TiO2	0.22
V	K	0.09	0.8273	0.11 <	0.20	0.05	0.20 <	0.36	V2O5	0.02
Fe	K	10.26	0.8403	12.21	0.64	4.79	15.71	0.82	FeO	1.80
Cu	K	0.09	0.8013	0.11 <	0.36	0.04	0.14 <	0.45	CuO	0.02
Cd	L	0.00	0.7559	0.00	0.00	0.00			CdO	0.00
Total				101.04+/- 2.38		CompSum	94.42+/- 1.94		CatSum	13.50
Inferred phases: silicate glass (microsphere)									An.Sum	24.00

Table S31

Spectrum: 7 11-Jun-2013 08:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.33	392434	124390	100.00/129.22	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	50.90	1.4129	36.02	1.44	64.54	14.78	2.58	O	23.87
Na	K	0.16	0.4271	0.37 <	0.50	0.46	0.50 <	0.67	Na2O	0.17
Mg	K	0.00	0.4358	0.01 <	0.28	0.01	0.02 <	0.46	MgO	0.00
Al	K	0.08	0.5614	0.15 <	0.22	0.16	0.28 <	0.42	Al2O3	0.06
Si	K	1.33	0.6892	1.93	0.24	1.97	4.13	0.51	SiO2	0.73
P	K	0.16	1.0327	0.16 <	0.18	0.14	0.37 <	0.41	P2O5	0.05

S	K	0.40	0.8754	0.45	0.18	0.40	1.12	0.45	SO3	0.15
Cl	K	0.39	0.9137	0.43	0.18	0.35	0.43	0.18	Cl	0.13
K	K	0.30	1.1333	0.27	0.16	0.20	0.33	0.19	K2O	0.07
Ti	K	0.00	0.9762	0.00	0.00	0.00			TiO2	0.00
V	K	0.22	1.0109	0.22	0.18	0.12	0.39	0.32	V2O5	0.04
Fe	K	55.28	0.9181	60.20	1.24	30.90	77.45	1.60	FeO	11.43
Cu	K	1.35	0.8236	1.64	0.52	0.74	2.05	0.65	CuO	0.27
Cd	L	0.00	0.8326	0.00	0.00	0.00			CdO	0.00
Total				101.85+/- 2.11		CompSum	86.64+/- 2.14		CatSum	12.98
Inferred phases: Fe2O3									An.Sum	24.00

Table S32

Spectrum: 8 11-Jun-2013 08:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.33	392434	118924	100.00/127.65	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	44.46	1.3838	32.13	1.36	62.06	10.09	2.53	O	23.94
Na K	0.07	0.4303	0.17 <	0.44	0.23	0.23 <	0.59	Na2O	0.09
Mg K	0.05	0.4406	0.12 <	0.24	0.15	0.20 <	0.40	MgO	0.06
Al K	0.08	0.5660	0.15 <	0.20	0.17	0.28 <	0.38	Al2O3	0.07
Si K	2.59	0.6934	3.74	0.30	4.11	8.00	0.64	SiO2	1.59
P K	0.04	1.0174	0.04 <	0.16	0.04	0.09 <	0.37	P2O5	0.02
S K	0.26	0.8663	0.30	0.16	0.29	0.75	0.40	SO3	0.11
Cl K	0.17	0.9078	0.18	0.16	0.16	0.18	0.16	Cl	0.06
K K	0.17	1.1313	0.15 <	0.16	0.12	0.18 <	0.19	K2O	0.05
Ti K	0.06	0.9769	0.06 <	0.18	0.04	0.10 <	0.30	TiO2	0.02
V K	0.09	1.0121	0.09 <	0.18	0.05	0.16 <	0.32	V2O5	0.02
Fe K	53.55	0.9185	58.30	1.22	32.26	75.00	1.57	FeO	12.44
Cu K	0.50	0.8238	0.60	0.46	0.29	0.75	0.58	CuO	0.11
Cd L	0.07	0.8307	0.09 <	0.38	0.02	0.10 <	0.43	CdO	0.01
Total			96.13+/- 2.06		CompSum	85.85+/- 2.14		CatSum	14.57
Inferred phases: Fe2O3								An.Sum	24.00

Table S33

Site: Filt3-2

Spectrum: 1 1-Jul-2013 03:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.22	392340	93090	70.00/91.74	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	62.93	1.5195	41.41	1.78	67.14	20.70	3.31	O	24.00
Si K	0.49	0.6869	0.72	0.42	0.66	1.54	0.90	SiO2	0.24
Ca K	0.29	1.0976	0.27	0.20	0.17	0.38	0.28	CaO	0.06
Mn K	0.06	0.8992	0.06 <	0.32	0.03	0.08 <	0.41	MnO	0.01

Fe K	63.10	0.9172	68.80	1.60	31.96	88.51	2.06	FeO	11.42
Ta L	0.16	0.6761	0.24 <	1.30	0.03	0.29 <	1.59	Ta2O5	0.01
Total			111.50+/- 2.78		CompSum	90.80+/- 2.80		CatSum	11.74
Inferred phases: Fe2O3								An.Sum	24.00

Table S34

Spectrum: 2 1-Jul-2013 03:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.22	392340	62373	70.00/84.55	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	9.42	0.7245	13.01	1.36	68.64	2.08 <	3.46	O	24.00
Si K	0.36	0.8997	0.40	0.30	1.19	0.86	0.64	SiO2	0.42
Ca K	1.13	0.9679	1.17	0.22	2.46	1.64	0.31	CaO	0.86
Mn K	0.16	0.9976	0.16 <	0.30	0.25	0.21 <	0.39	MnO	0.09
Fe K	7.46	1.0524	7.09	0.60	10.72	9.12	0.77	FeO	3.75
Ta L	29.94	0.8348	35.86	2.44	16.73	43.79	2.98	Ta2O5	5.85
Total			57.69+/- 2.90		CompSum	55.61+/- 3.18		CatSum	10.96
								An.Sum	24.00

Inferred phases: Fe2O3 + Ta2O5

Table S35

Spectrum: 3 1-Jul-2013 05:30 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	131498	100.00/130.80	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	37.64	0.7477	50.31	2.56	69.14	16.37	3.20	O	23.41
F K	0.21	0.1675	1.24 <	2.80	1.43	1.24 <	2.80	F	0.48
Na K	3.37	0.7051	4.78	0.62	4.57	6.44	0.84	Na2O	1.55
Al K	0.42	0.7595	0.55	0.18	0.45	1.04	0.34	Al2O3	0.15
Si K	0.16	0.8649	0.19	0.16	0.15	0.41	0.34	SiO2	0.05
P K	23.89	1.2244	19.51	0.52	13.85	44.70	1.19	P2O5	4.69
S K	0.57	0.8131	0.70	0.20	0.48	1.75	0.50	SO3	0.16
Cl K	0.43	0.8467	0.51	0.16	0.32	0.51	0.16	Cl	0.11
K K	9.15	1.0355	8.83	0.36	4.97	10.64	0.43	K2O	1.68
Ca K	1.45	0.9387	1.54	0.24	0.84	2.15	0.34	CaO	0.28
Ti K	0.00	0.8160	0.00	0.00	0.00			TiO2	0.00
Cr K	0.74	0.8465	0.88	0.26	0.37	1.29	0.38	Cr2O3	0.13
Mn K	0.04	0.8187	0.04 <	0.24	0.02	0.05 <	0.31	MnO	0.01
Fe K	7.26	0.8361	8.69	0.56	3.42	11.18	0.72	FeO	1.16
Total			97.77+/- 3.97		CompSum	79.65+/- 1.91		CatSum	9.86
								An.Sum	24.00

Inferred phases: (Na,K,Fe)PO4

Table S36

Spectrum: 4 1-Jul-2013 05:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	117752	100.00/126.66	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.64	0.7106	30.45	2.10	68.05	10.10	2.74	O	23.43
F K	0.00	0.1706	0.00	0.00	0.00			F	0.00
Na K	2.74	0.7140	3.83	0.54	5.96	5.16	0.73	Na2O	2.05
Al K	0.42	0.7510	0.55	0.16	0.73	1.04	0.30	Al2O3	0.25
Si K	0.51	0.8534	0.60	0.16	0.76	1.28	0.34	SiO2	0.26
P K	12.55	1.2038	10.43	0.40	12.04	23.90	0.92	P2O5	4.14
S K	0.50	0.8261	0.61	0.16	0.68	1.52	0.40	SO3	0.23
Cl K	1.41	0.8550	1.66	0.20	1.67	1.66	0.20	Cl	0.57
K K	5.77	1.0310	5.60	0.30	5.12	6.75	0.36	K2O	1.76
Ca K	0.95	0.9358	1.01	0.20	0.90	1.41	0.28	CaO	0.31
Ti K	0.08	0.8149	0.10 <	0.20	0.07	0.17 <	0.33	TiO2	0.02
Cr K	0.26	0.8469	0.31	0.22	0.21	0.45	0.32	Cr2O3	0.07
Mn K	0.04	0.8208	0.04 <	0.20	0.03	0.05 <	0.26	MnO	0.01
Fe K	4.52	0.8399	5.39	0.46	3.45	6.93	0.59	FeO	1.19
Cu K	0.46	0.8041	0.57	0.34	0.32	0.71	0.43	CuO	0.11
Total			61.15+/-	2.41	CompSum	49.39+/-	1.76	CatSum	10.42
								An.Sum	24.00

Inferred phases: (Na,K,Fe)PO4

Table S37

Spectrum: 5 1-Jul-2013 05:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	127865	100.00/129.88	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	38.59	0.7946	48.56	2.52	71.62	21.28	3.31	O	23.46
F K	0.15	0.1636	0.92 <	3.08	1.15	0.92 <	3.08	F	0.38
Na K	3.53	0.6917	5.10	0.66	5.24	6.87	0.89	Na2O	1.72
Al K	0.30	0.7372	0.41	0.18	0.36	0.77	0.34	Al2O3	0.12
Si K	0.17	0.8445	0.20	0.16	0.17	0.43	0.34	SiO2	0.06
P K	18.00	1.2029	14.97	0.46	11.40	34.30	1.05	P2O5	3.73
S K	0.39	0.8264	0.47	0.18	0.34	1.17	0.45	SO3	0.11
Cl K	0.65	0.8581	0.76	0.16	0.51	0.76	0.16	Cl	0.17
K K	7.59	1.0416	7.29	0.32	4.40	8.78	0.39	K2O	1.44
Ca K	1.58	0.9463	1.67	0.22	0.99	2.34	0.31	CaO	0.32
Ti K	0.02	0.8185	0.02 <	0.20	0.01	0.03 <	0.33	TiO2	0.00
Cr K	0.59	0.8470	0.69	0.24	0.31	1.01	0.35	Cr2O3	0.10
Mn K	0.13	0.8198	0.16 <	0.22	0.07	0.21 <	0.28	MnO	0.02
Fe K	6.13	0.8375	7.32	0.52	3.09	9.42	0.67	FeO	1.01
Cu K	0.64	0.8005	0.80	0.38	0.30	1.00	0.48	CuO	0.10
Total			89.63+/-	4.25	CompSum	66.67+/-	2.14	CatSum	8.75
								An.Sum	24.00

Inferred phases: (Na,K,Fe)PO4

Table S38

Spectrum: 6 1-Jul-2013 05:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	116542	100.00/126.59	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	30.92	0.8194	37.73	2.18	70.44	16.49	2.83	O	23.10
F	K	0.23	0.1710	1.34 <	2.70	2.11	1.34 <	2.70	F	0.69
Na	K	2.77	0.6695	4.14	0.62	5.38	5.58	0.84	Na2O	1.76
Al	K	0.18	0.7220	0.25	0.16	0.28	0.47	0.30	Al2O3	0.09
Si	K	0.17	0.8331	0.20	0.14	0.21	0.43	0.30	SiO2	0.07
P	K	13.29	1.1916	11.16	0.40	10.76	25.57	0.92	P2O5	3.53
S	K	0.41	0.8308	0.50	0.16	0.46	1.25	0.40	SO3	0.15
Cl	K	0.65	0.8611	0.75	0.16	0.63	0.75	0.16	Cl	0.21
K	K	5.83	1.0447	5.58	0.28	4.26	6.72	0.34	K2O	1.40
Ca	K	0.97	0.9520	1.02	0.18	0.76	1.43	0.25	CaO	0.25
Ti	K	0.10	0.8248	0.12 <	0.18	0.07	0.20 <	0.30	TiO2	0.02
Cr	K	0.34	0.8557	0.40	0.20	0.23	0.58	0.29	Cr2O3	0.08
Mn	K	0.07	0.8238	0.08 <	0.20	0.04	0.10 <	0.26	MnO	0.01
Fe	K	5.95	0.8422	7.06	0.50	3.78	9.08	0.64	FeO	1.24
Cu	K	0.86	0.8029	1.07	0.40	0.50	1.34	0.50	CuO	0.16
La	L	0.29	0.8646	0.33 <	0.46	0.07	0.39 <	0.54	La2O3	0.02
Ce	L	0.00	0.8690	0.00	0.00	0.00			Ce2O3	0.00
Pr	L	0.00	0.8716	0.00	0.00	0.00			Pr2O3	0.00
Nd	L	0.00	0.8694	0.00	0.00	0.00			Nd2O3	0.00
Sm	L	0.00	0.8472	0.00	0.00	0.00			Sm2O3	0.00
Total				71.73+/- 3.68		CompSum	53.15+/- 1.80		CatSum	8.79
									An.Sum	24.00

Inferred phases: (Na,K,Fe)PO4

Table S39

Site: Filt4-2
Spectrum: 1 1-Jul-2013 06:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	121385	100.00/127.75	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	16.57	0.7118	23.28	1.88	37.44	4.58	2.29	O	11.52
F	K	7.54	0.2529	29.83	1.76	40.39	29.83	1.76	F	12.43
Na	K	0.43	0.6488	0.66	0.32	0.74	0.89	0.43	Na2O	0.23
Mg	K	0.20	0.6299	0.32	0.18	0.34	0.53	0.30	MgO	0.10
Al	K	0.12	0.7557	0.16	0.16	0.15	0.30	0.30	Al2O3	0.05
Si	K	10.04	0.8599	11.68	0.38	10.70	24.99	0.81	SiO2	3.29
P	K	0.24	1.0453	0.23	0.14	0.19	0.53	0.32	P2O5	0.06
S	K	0.71	0.8701	0.81	0.16	0.65	2.02	0.40	SO3	0.20
Cl	K	0.19	0.8931	0.21	0.12	0.15	0.21	0.12	Cl	0.05
K	K	13.25	1.0649	12.44	0.38	8.18	14.99	0.46	K2O	2.52
Ti	K	0.21	0.8101	0.26	0.16	0.14	0.43	0.27	TiO2	0.04
Fe	K	1.69	0.8375	2.02	0.30	0.93	2.60	0.39	FeO	0.29
Total				81.90+/- 2.69		CompSum	47.28+/- 1.31		CatSum	6.78
									An.Sum	24.00

Inferred phases: K2SiF6, excessive oxygen

Table S40

Spectrum: 2 1-Jul-2013 06:18 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	132738	100.00/130.80	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	17.49	0.7107	24.62	2.04	32.86
F K	11.28	0.2712	41.57	2.00	46.72
Na K	0.52	0.6338	0.82	0.34	0.76
Mg K	0.16	0.6179	0.26	0.20	0.23
Al K	0.28	0.7459	0.38	0.16	0.30
Si K	10.05	0.8504	11.82	0.38	8.98
P K	0.17	1.0638	0.16	0.14	0.11
S K	0.63	0.8839	0.71	0.16	0.48
Cl K	0.16	0.9070	0.17	0.12	0.10
K K	17.26	1.0746	16.06	0.42	8.77
Ti K	0.23	0.8103	0.28	0.16	0.12
Fe K	1.25	0.8385	1.49	0.28	0.57
Total			98.33+/- 2.97		

Inferred phases: K2SiF6, excessive oxygen

Table S41

Spectrum: 3 1-Jul-2013 06:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	124842	100.00/128.20	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	31.82	0.9052	35.16	1.90	51.06	15.20	2.32	O	15.05
F K	5.35	0.2162	24.74	1.92	30.25	24.74	1.92	F	8.92
Na K	0.32	0.6494	0.50	0.32	0.51	0.67	0.43	Na2O	0.15
Mg K	0.34	0.6318	0.55	0.20	0.52	0.91	0.33	MgO	0.15
Al K	0.17	0.7529	0.23	0.16	0.20	0.43	0.30	Al2O3	0.06
Si K	11.32	0.8534	13.27	0.40	10.97	28.39	0.86	SiO2	3.23
P K	0.31	1.0209	0.30	0.14	0.23	0.69	0.32	P2O5	0.07
S K	0.72	0.8499	0.84	0.16	0.61	2.10	0.40	SO3	0.18
Cl K	0.15	0.8721	0.17	0.12	0.11	0.17	0.12	Cl	0.03
K K	7.56	1.0480	7.21	0.30	4.28	8.69	0.36	K2O	1.26
Ti K	0.27	0.8164	0.34	0.16	0.16	0.57	0.27	TiO2	0.05
Fe K	2.19	0.8321	2.63	0.34	1.10	3.38	0.44	FeO	0.32
Total			85.94+/- 2.81		CompSum	45.83+/- 1.33		CatSum	5.48
								An.Sum	24.00

Inferred phases: K2SiF6, excessive oxygen

Table S42

Spectrum: 4 1-Jul-2013 06:24 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	83803	100.00/118.15	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.45	0.4673	9.54	1.28	68.61	3.57	1.51	O	23.74
F K	0.01	0.1426	0.06 <	0.54	0.34	0.06 <	0.54	F	0.12
Na K	0.61	0.7629	0.81	0.22	4.03	1.09	0.30	Na2O	1.39
Mg K	0.00	0.6786	0.00	0.00	0.00			MgO	0.00
Al K	0.02	0.8043	0.02 <	0.10	0.09	0.04 <	0.19	Al2O3	0.03
Si K	0.18	0.9076	0.19	0.10	0.80	0.41	0.21	SiO2	0.28

P	K	0.02	1.2751	0.02 <	0.10	0.06	0.05 <	0.23	P2O5	0.02
S	K	2.90	1.0061	2.88	0.20	10.35	7.19	0.50	SO3	3.58
Cl	K	0.11	0.8822	0.13	0.10	0.41	0.13	0.10	Cl	0.14
K	K	5.33	1.0446	5.10	0.26	15.03	6.14	0.31	K2O	5.20
Ti	K	0.07	0.7707	0.09 <	0.12	0.23	0.15 <	0.20	TiO2	0.08
Fe	K	0.03	0.8186	0.03 <	0.16	0.07	0.04 <	0.21	FeO	0.02
Total				18.87+/- 1.47	CompSum	15.11+/- 0.81			CatSum	10.61
									An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S43

Spectrum: 5 1-Jul-2013 06:26 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	84158	100.00/118.30	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O	K	4.65	0.4673	9.93	1.34	66.08	3.60	1.56	O	22.91
F	K	0.07	0.1475	0.49 <	0.56	2.76	0.49 <	0.56	F	0.96
Na	K	0.67	0.7606	0.88	0.22	4.08	1.19	0.30	Na2O	1.41
Mg	K	0.00	0.6773	0.00	0.00	0.00			MgO	0.00
Al	K	0.03	0.8033	0.04 <	0.10	0.17	0.08 <	0.19	Al2O3	0.06
Si	K	0.28	0.9056	0.31	0.10	1.18	0.66	0.21	SiO2	0.41
P	K	0.05	1.2654	0.04 <	0.08	0.13	0.09 <	0.18	P2O5	0.05
S	K	2.95	1.0005	2.95	0.20	9.81	7.37	0.50	SO3	3.40
Cl	K	0.11	0.8849	0.12	0.10	0.37	0.12	0.10	Cl	0.13
K	K	5.88	1.0469	5.62	0.26	15.31	6.77	0.31	K2O	5.31
Ti	K	0.01	0.7707	0.01 <	0.12	0.02	0.02 <	0.20	TiO2	0.01
Fe	K	0.04	0.8200	0.05 <	0.16	0.10	0.06 <	0.21	FeO	0.03
Total				20.45+/- 1.53	CompSum	16.23+/- 0.80			CatSum	10.68
									An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S44

Site: Filtr4-3

Spectrum: 1 1-Jul-2013 07:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	120528	70.00/99.35	6	20.00

Counted by INCA and Normalised/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O	K	63.44	0.8448	47.83	1.89	63.97	4.60	2.58	O	23.99
F	K	0.00	0.1918	0.00	0.00	0.00			F	0.00
Na	K	3.09	0.7822	2.52	0.32	2.34	3.39	0.43	Na2O	0.88
Mg	K	2.32	0.7100	2.08	0.24	1.83	3.45	0.40	MgO	0.69
Al	K	10.20	0.8037	8.09	0.34	6.41	15.29	0.65	Al2O3	2.40
Si	K	31.96	0.8064	25.25	0.54	19.23	54.01	1.14	SiO2	7.21
P	K	0.72	0.8900	0.51	0.18	0.35	1.17	0.41	P2O5	0.13
S	K	0.12	0.7623	0.10 <	0.14	0.07	0.25 <	0.35	SO3	0.03
Cl	K	0.09	0.8071	0.07 <	0.13	0.04	0.07 <	0.13	Cl	0.01
K	K	4.48	1.0091	2.83	0.22	1.55	3.41	0.26	K2O	0.58
Ti	K	1.93	0.8252	1.48	0.23	0.66	2.48	0.38	TiO2	0.25
Fe	K	12.13	0.8360	9.24	0.55	3.54	11.88	0.70	FeO	1.33
Total				100.00+/- 2.14	CompSum	95.33+/- 1.75			CatSum	13.49

An.Sum 24.00

Inferred phases: silicate glass

Table S45

Spectrum: 2 1-Jul-2013 07:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.40	393895	121081	70.00/99.55	6	20.00

Counted by INCA and Normalised/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	69.82	0.9741	42.71	1.74	59.64	6.59	2.46	O	21.48
F K	2.20	0.2229	5.89	1.48	6.93	5.89	1.48	F	2.50
Na K	2.14	0.6571	1.94	0.35	1.88	2.61	0.47	Na2O	0.68
Mg K	2.47	0.6226	2.37	0.27	2.17	3.92	0.45	MgO	0.78
Al K	8.45	0.7244	6.95	0.33	5.75	13.13	0.63	Al2O3	2.07
Si K	21.75	0.7639	16.97	0.45	13.50	36.30	0.97	SiO2	4.86
P K	0.56	0.9387	0.36	0.17	0.26	0.82	0.38	P2O5	0.09
S K	1.22	0.7988	0.91	0.17	0.63	2.28	0.42	SO3	0.23
Cl K	0.18	0.8348	0.13	0.13	0.08	0.13	0.13	Cl	0.03
K K	3.59	1.0382	2.06	0.18	1.18	2.48	0.22	K2O	0.42
Ti K	1.79	0.8545	1.25	0.20	0.58	2.09	0.34	TiO2	0.21
Fe K	26.41	0.8522	18.47	0.68	7.39	23.76	0.87	FeO	2.66
Total			100.00+/- 2.52		CompSum	87.39+/- 1.73		CatSum	12.01
								An.Sum	24.00

Inferred phases: silicate glass, unresolved fluoride

Table S46

Site: Filt4-1a

Spectrum: 2 5-Jul-2013 02:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	113202	70.00/97.22	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	12.66	0.9638	13.14	1.58	19.32
F K	18.03	0.4178	43.16	1.82	53.44
Na K	3.24	0.6991	4.64	0.52	4.74
Mg K	3.85	0.6227	6.18	0.46	5.98
Al K	9.43	0.6748	13.97	0.56	12.18
Si K	0.12	0.6527	0.19	0.16	0.16
P K	0.00	0.9945	0.00	0.00	0.00
S K	0.18	0.8399	0.21	0.16	0.16
Cl K	0.60	0.8728	0.69	0.18	0.46
K K	2.07	1.0617	1.95	0.22	1.18
Ca K	3.35	0.9876	3.39	0.30	1.99
Ti K	0.28	0.8301	0.33	0.20	0.16
Cr K	0.00	0.8442	0.00	0.00	0.00
Mn K	0.00	0.8307	0.00	0.00	0.00
Fe K	0.50	0.8478	0.59	0.28	0.25
Total			88.44+/- 2.64		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite)

Table S47

Spectrum: 3 5-Jul-2013 03:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	123053	70.00/100.37	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	19.48	1.1194	17.41	1.74	20.14
F K	24.78	0.4409	56.20	2.06	54.77
Na K	3.58	0.6702	5.34	0.60	4.30
Mg K	4.94	0.6063	8.14	0.54	6.20
Al K	10.41	0.6587	15.80	0.60	10.84
Si K	0.13	0.6539	0.19	0.18	0.13
P K	0.13	0.9963	0.13 <	0.16	0.08
S K	0.27	0.8400	0.32	0.18	0.18
Cl K	1.05	0.8717	1.20	0.22	0.63
K K	1.06	1.0583	1.00	0.18	0.48
Ca K	2.15	0.9953	2.16	0.26	1.00
Ti K	0.62	0.8416	0.74	0.22	0.29
Cr K	0.00	0.8552	0.00 <	0.20	0.00
Mn K	0.06	0.8346	0.07 <	0.22	0.02
Fe K	2.42	0.8510	2.84	0.44	0.94
Total			111.54+/- 2.98		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite)

Table S48

Spectrum: 4 5-Jul-2013 03:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	96852	70.00/93.03	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.34	0.5485	4.26	1.36	15.51
F K	5.08	0.3283	15.47	1.22	47.38
Na K	0.63	0.7189	0.87	0.24	2.20
Mg K	1.55	0.6696	2.31	0.26	5.54
Al K	4.54	0.7276	6.24	0.36	13.46
Si K	0.76	0.6933	1.09	0.20	2.27
P K	0.07	1.0175	0.06 <	0.14	0.12
S K	0.10	0.8579	0.11 <	0.14	0.21
Cl K	0.74	0.8920	0.83	0.18	1.36
K K	2.16	1.0838	2.00	0.24	2.97
Ca K	5.20	0.9832	5.29	0.34	7.68
Ti K	0.27	0.8058	0.34	0.20	0.41
Cr K	0.00	0.8344	0.00	0.00	0.00
Mn K	0.04	0.8247	0.05 <	0.22	0.05
Fe K	0.67	0.8462	0.79	0.30	0.83
Total			39.73+/- 2.01		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite)

Table S49

Spectrum: 5 5-Jul-2013 03:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	132311	70.00/102.76	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	22.95	1.1336	20.25	1.92	18.38
F K	34.79	0.4614	75.40	2.32	57.64
Na K	5.06	0.6739	7.51	0.68	4.74
Mg K	5.90	0.6036	9.77	0.60	5.84
Al K	12.94	0.6593	19.63	0.68	10.57
Si K	0.24	0.6549	0.36	0.20	0.19
P K	0.04	0.9962	0.04 <	0.16	0.02
S K	0.13	0.8402	0.16	0.16	0.07
Cl K	0.66	0.8731	0.76	0.20	0.31
K K	1.95	1.0609	1.84	0.22	0.68
Ca K	3.30	0.9928	3.32	0.28	1.20
Ti K	0.22	0.8366	0.26	0.18	0.08
Cr K	0.02	0.8480	0.03 <	0.18	0.01
Mn K	0.05	0.8328	0.06 <	0.20	0.02
Fe K	0.82	0.8490	0.96	0.30	0.25
Total			140.35+/- 3.29		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite)

Table S50

Spectrum: 6 5-Jul-2013 03:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	101540	70.00/94.33	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	4.73	0.6237	7.58	1.54	20.42
F K	6.69	0.3242	20.61	1.46	46.74
Na K	0.98	0.6951	1.41	0.32	2.64
Mg K	1.43	0.6465	2.22	0.28	3.93
Al K	4.63	0.7257	6.39	0.38	10.20
Si K	2.37	0.7195	3.29	0.28	5.05
P K	0.03	1.0054	0.03 <	0.14	0.04
S K	0.12	0.8491	0.15 <	0.16	0.20
Cl K	0.73	0.8833	0.82	0.18	1.00
K K	2.15	1.0762	2.00	0.22	2.21
Ca K	5.37	0.9858	5.45	0.36	5.86
Ti K	0.51	0.8138	0.63	0.22	0.56
Cr K	0.00	0.8385	0.00	0.00	0.00
Mn K	0.01	0.8254	0.01 <	0.24	0.01
Fe K	1.26	0.8457	1.49	0.36	1.15
Total			52.08+/- 2.32		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite), possible CaF_2

Table S51

Site: Filt4-6a
Spectrum: 1 5-Jul-2013 03:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	119535	70.00/98.99	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%

O	K	15.18	0.9438	16.09	1.78	23.41
F	K	15.43	0.3765	40.98	1.92	50.21
Na	K	2.62	0.6927	3.78	0.52	3.82
Mg	K	2.52	0.6287	4.01	0.40	3.84
Al	K	10.34	0.7052	14.66	0.56	12.65
Si	K	0.39	0.6688	0.58	0.20	0.48
P	K	0.06	1.0088	0.06 <	0.16	0.04
S	K	1.55	0.8477	1.82	0.24	1.32
Cl	K	0.78	0.8650	0.90	0.18	0.59
K	K	2.17	1.0535	2.06	0.22	1.23
Ca	K	3.11	0.9816	3.17	0.30	1.84
Ti	K	0.11	0.8283	0.14 <	0.18	0.07
Cr	K	0.04	0.8444	0.05 <	0.18	0.02
Mn	K	0.02	0.8295	0.02 <	0.22	0.01
Fe	K	0.95	0.8466	1.12	0.32	0.47
Total				89.43+/- 2.85		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite)

Table S52

Spectrum: 2 5-Jul-2013 04:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	130143	70.00/102.22	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	20.91	0.7651	27.34	2.46	29.27
F	K	15.13	0.2952	51.24	2.50	46.20
Na	K	4.65	0.6548	7.11	0.66	5.30
Mg	K	1.00	0.5881	1.69	0.34	1.19
Al	K	4.72	0.7042	6.70	0.42	4.26
Si	K	5.62	0.7648	7.35	0.40	4.49
P	K	2.91	1.0543	2.76	0.30	1.53
S	K	0.75	0.8606	0.87	0.22	0.46
Cl	K	0.32	0.8875	0.36	0.18	0.17
K	K	8.33	1.0740	7.76	0.38	3.40
Ca	K	1.84	0.9814	1.87	0.26	0.80
Ti	K	4.93	0.8331	5.92	0.44	2.12
Cr	K	0.00	0.8397	0.00	0.00	0.00
Mn	K	0.00	0.8254	0.00	0.00	0.00
Fe	K	2.26	0.8442	2.68	0.42	0.82
Total				123.64+/- 3.73		

Inferred phases: $NaMgAlF_6 \cdot H_2O$ (ralstonite), silicate glass

Table S53

Spectrum: 3 5-Jul-2013 04:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	110171	70.00/96.37	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O	K	24.06	0.6214	38.73	2.68	70.00	19.35	3.10	O	20.75
F	K	1.03	0.1451	7.09	1.76	10.79	7.09	1.76	F	3.20
Na	K	0.36	0.6657	0.54	0.32	0.68	0.73	0.43	Na2O	0.20
Mg	K	0.26	0.6424	0.40	0.22	0.48	0.66	0.36	MgO	0.14

Al	K	1.32	0.7613	1.74	0.24	1.86	3.29	0.45	Al2O3	0.55
Si	K	0.15	0.8397	0.18	0.14	0.18	0.39	0.30	SiO2	0.05
P	K	0.01	1.2062	0.01 <	0.14	0.01	0.02 <	0.32	P2O5	0.00
S	K	8.07	0.9613	8.39	0.40	7.57	20.95	1.00	SO3	2.24
Cl	K	0.19	0.8683	0.22	0.16	0.18	0.22	0.16	Cl	0.05
K	K	0.22	1.0629	0.21	0.14	0.15	0.25	0.17	K2O	0.04
Ca	K	10.19	0.9775	10.42	0.44	7.52	14.58	0.62	CaO	2.23
Ti	K	0.20	0.7838	0.26	0.18	0.15	0.43	0.30	TiO2	0.04
Cr	K	0.00	0.8062	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.06	0.7962	0.07 <	0.20	0.04	0.09 <	0.26	MnO	0.01
Fe	K	0.60	0.8153	0.74	0.28	0.38	0.95	0.36	FeO	0.11
Total				68.99+/- 3.33	CompSum		42.34+/- 1.55		CatSum	5.64
									An.Sum	24.00

Inferred phases: CaSO4

Table S54

Spectrum: 4 5-Jul-2013 04:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	102321	70.00/94.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	20.32	0.6783	29.95	2.30	79.46	19.35	2.61	O	22.46
F	K	0.30	0.1294	2.32	1.34	5.18	2.32	1.34	F	1.46
Na	K	0.15	0.6477	0.23 <	0.28	0.42	0.31 <	0.38	Na2O	0.12
Mg	K	0.03	0.6305	0.05 <	0.18	0.09	0.08 <	0.30	MgO	0.03
Al	K	0.20	0.7549	0.26	0.16	0.41	0.49	0.30	Al2O3	0.12
Si	K	0.00	0.8548	0.00	0.00	0.00			SiO2	0.00
P	K	0.00	1.2239	0.00	0.00	0.00			P2O5	0.00
S	K	4.77	0.9706	4.92	0.32	6.51	12.28	0.80	SO3	1.84
Cl	K	0.19	0.8819	0.22	0.14	0.26	0.22	0.14	Cl	0.07
K	K	0.07	1.0686	0.06 <	0.12	0.07	0.07 <	0.14	K2O	0.02
Ca	K	6.48	0.9795	6.61	0.36	7.01	9.25	0.50	CaO	1.98
Ti	K	0.03	0.7838	0.04 <	0.16	0.04	0.07 <	0.27	TiO2	0.01
Cr	K	0.00	0.8043	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.12	0.7927	0.15 <	0.20	0.11	0.19 <	0.26	MnO	0.03
Fe	K	0.48	0.8109	0.59	0.28	0.45	0.76	0.36	FeO	0.13
Total				45.39+/- 2.76	CompSum		23.51+/- 1.23		CatSum	4.27
									An.Sum	24.00

Inferred phases: CaSO4

Table S55

Site: Filt5-1a

Spectrum: 1 5-Jul-2013 04:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	90526	70.00/91.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	14.36	0.7297	19.68	1.68	75.08	8.50	2.14	O	24.00
Na	K	1.68	0.7243	2.33	0.40	6.17	3.14	0.54	Na2O	1.97
Mg	K	0.04	0.6174	0.07 <	0.16	0.17	0.12 <	0.27	MgO	0.05
Al	K	0.11	0.7417	0.15	0.14	0.34	0.28	0.26	Al2O3	0.11
Si	K	0.03	0.8464	0.03 <	0.10	0.06	0.06 <	0.21	SiO2	0.02

S	K	5.83	0.9647	6.05	0.34	11.51	15.11	0.85	SO3	3.68
K	K	3.33	1.0124	3.29	0.26	5.14	3.96	0.31	K2O	1.64
Ca	K	0.09	0.9139	0.10 <	0.16	0.14	0.14 <	0.22	CaO	0.04
Ti	K	0.05	0.7953	0.06 <	0.14	0.08	0.10 <	0.23	TiO2	0.03
Fe	K	0.39	0.8271	0.47	0.22	0.51	0.60	0.28	FeO	0.16
Cu	K	0.66	0.7935	0.83	0.42	0.79	1.04	0.53	CuO	0.25
Total				33.05+/- 1.87		CompSum	24.56+/- 1.33		CatSum	7.96
									An.Sum	24.00

Inferred phases: (Na,K)SO4

Table S56

Spectrum: 2 5-Jul-2013 04:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	129891	70.00/102.21	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	58.63	0.8086	72.51	3.04	73.52	30.87	3.84	O	24.00
Na K	3.32	0.7078	4.69	0.60	3.31	6.32	0.81	Na2O	1.08
Mg K	0.63	0.6434	0.98	0.30	0.65	1.63	0.50	MgO	0.21
Al K	3.50	0.7595	4.61	0.36	2.77	8.71	0.68	Al2O3	0.90
Si K	10.97	0.8226	13.34	0.50	7.70	28.54	1.07	SiO2	2.51
S K	8.16	0.8700	9.38	0.46	4.75	23.42	1.15	SO3	1.55
K K	7.29	1.0300	7.08	0.38	2.94	8.53	0.46	K2O	0.96
Ca K	2.81	0.9472	2.97	0.32	1.20	4.16	0.45	CaO	0.39
Ti K	0.66	0.8120	0.82	0.24	0.28	1.37	0.40	TiO2	0.09
Fe K	8.07	0.8280	9.74	0.68	2.83	12.53	0.87	FeO	0.92
Cu K	0.14	0.7923	0.18 <	0.44	0.04	0.23 <	0.55	CuO	0.01
Total			126.29+/- 3.35		CompSum	95.43+/- 2.34		CatSum	8.64
								An.Sum	24.00

Inferred phases: (Na,K)SO4, silicate glass

Table S57

Spectrum: 4 5-Jul-2013 05:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	122587	70.00/99.88	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	58.66	0.9372	62.59	2.64	73.68	28.68	3.39	O	24.00
Na K	4.09	0.7337	5.57	0.62	4.57	7.51	0.84	Na2O	1.49
Mg K	0.88	0.6447	1.37	0.30	1.06	2.27	0.50	MgO	0.35
Al K	3.49	0.7540	4.63	0.36	3.23	8.75	0.68	Al2O3	1.05
Si K	12.71	0.8075	15.74	0.54	10.55	33.67	1.16	SiO2	3.44
S K	2.84	0.8280	3.43	0.32	2.01	8.56	0.80	SO3	0.65
K K	2.68	1.0259	2.61	0.26	1.26	3.14	0.31	K2O	0.41
Ca K	2.11	0.9585	2.21	0.26	1.04	3.09	0.36	CaO	0.34
Ti K	0.60	0.8162	0.74	0.22	0.29	1.23	0.37	TiO2	0.09
Fe K	5.44	0.8271	6.58	0.58	2.22	8.47	0.75	FeO	0.72
Cu K	0.28	0.7903	0.36 <	0.38	0.11	0.45 <	0.48	CuO	0.04
Total			105.80+/- 2.94		CompSum	77.15+/- 2.13		CatSum	8.58
Inferred phases: silicate glass								An.Sum	24.00

Table S58

Spectrum: 5 5-Jul-2013 05:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.11	395545	118888	70.00/98.74	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	55.50	0.9363	59.27	2.62	74.89	29.32	3.31	O	24.00
Na K	3.28	0.7218	4.55	0.58	4.00	6.13	0.78	Na2O	1.28
Mg K	0.70	0.6433	1.09	0.28	0.90	1.81	0.46	MgO	0.29
Al K	3.20	0.7549	4.25	0.34	3.18	8.03	0.64	Al2O3	1.02
Si K	10.47	0.8094	12.93	0.50	9.31	27.66	1.07	SiO2	2.98
S K	3.15	0.8411	3.75	0.32	2.36	9.36	0.80	SO3	0.76
K K	4.30	1.0283	4.18	0.30	2.16	5.04	0.36	K2O	0.69
Ca K	1.20	0.9520	1.26	0.24	0.64	1.76	0.34	CaO	0.21
Ti K	0.35	0.8153	0.43	0.20	0.18	0.72	0.33	TiO2	0.06
Fe K	5.27	0.8266	6.37	0.56	2.31	8.19	0.72	FeO	0.74
Cu K	0.18	0.7897	0.23 <	0.36	0.07	0.29 <	0.45	CuO	0.02
Total			98.30+/-	2.89	CompSum	68.99+/-	2.02	CatSum	8.05

Inferred phases: silicate glass An.Sum

24.00

Table S59

Site: Filt6-1

Spectrum: 7 5-Jul-2013 06:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	71146	70.00/86.40	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	26.15	1.3153	19.88	1.48	55.71	3.25	3.04	O	23.85
Na K	0.36	0.4181	0.87	0.78	1.69	1.17	1.05	Na2O	0.72
Al K	0.16	0.5442	0.29	0.22	0.49	0.55	0.42	Al2O3	0.21
Si K	0.50	0.6717	0.75	0.22	1.20	1.60	0.47	SiO2	0.51
P K	0.06	1.0249	0.06 <	0.18	0.09	0.14 <	0.41	P2O5	0.04
S K	0.61	0.8733	0.70	0.22	0.98	1.75	0.55	SO3	0.42
Cl K	0.25	0.9079	0.28	0.18	0.35	0.28	0.18	Cl	0.15
K K	0.43	1.1369	0.38	0.18	0.43	0.46	0.22	K2O	0.18
Ca K	0.00	1.0933	0.00	0.00	0.00			CaO	0.00
Ti K	0.04	0.9854	0.04 <	0.18	0.04	0.07 <	0.30	TiO2	0.02
V K	0.13	1.0212	0.13 <	0.20	0.12	0.23 <	0.36	V2O5	0.05
Cr K	0.00	1.1165	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.18	0.9153	0.19 <	0.28	0.16	0.25 <	0.36	MnO	0.07
Fe K	42.76	0.9364	45.66	1.28	36.66	58.74	1.65	FeO	15.69
Cu K	2.10	0.8358	2.51	0.60	1.77	3.14	0.75	CuO	0.76
Zn K	0.29	0.8469	0.34 <	0.58	0.23	0.42 <	0.72	ZnO	0.10
Ag L	0.00	0.8357	0.00	0.00	0.00			Ag2O	0.00
Pb M	0.31	0.8005	0.38 <	0.88	0.08	0.41 <	0.95	PbO	0.03
Total			72.47+/-	2.51	CompSum	68.93+/-	2.66	CatSum	18.81

An.Sum

24.00

Inferred phases: Fe2O3

Table S60

Spectrum: 8 5-Jul-2013 06:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	76005	70.00/87.16	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.19	1.4070	20.03	1.44	52.47	1.64	< 2.84	O	23.92
Na K	0.11	0.3986	0.28	< 0.56	0.51	0.38	< 0.75	Na2O	0.23
Al K	0.03	0.5317	0.05	< 0.22	0.07	0.09	< 0.42	Al2O3	0.03
Si K	0.16	0.6623	0.25	0.20	0.37	0.53	0.43	SiO2	0.17
P K	0.09	1.0223	0.09	< 0.18	0.12	0.21	< 0.41	P2O5	0.05
S K	0.16	0.8744	0.18	0.18	0.23	0.45	0.45	SO3	0.10
Cl K	0.13	0.9211	0.14	< 0.18	0.17	0.14	< 0.18	Cl	0.08
K K	0.02	1.1568	0.02	< 0.16	0.02	0.02	< 0.19	K2O	0.01
Ca K	0.14	1.1170	0.12	< 0.18	0.13	0.17	< 0.25	CaO	0.06
Ti K	0.00	1.0136	0.00	0.00	0.00			TiO2	0.00
V K	0.00	1.0582	0.00	0.00	0.00			V2O5	0.00
Cr K	0.00	1.1702	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.07	0.9249	0.07	< 0.28	0.06	0.09	< 0.36	MnO	0.03
Fe K	56.67	0.9450	59.96	1.46	45.00	77.14	1.88	FeO	20.52
Cu K	0.92	0.8357	1.10	0.54	0.72	1.38	0.68	CuO	0.33
Zn K	0.18	0.8487	0.21	< 0.56	0.13	0.26	< 0.70	ZnO	0.06
Ag L	0.00	0.8492	0.00	0.00	0.00			Ag2O	0.00
Pb M	0.00	0.8018	0.00	0.00	0.00			PbO	0.00
Total			82.50+/- 2.33		CompSum	80.72+/- 2.45		CatSum	21.59
								An.Sum	24.00

Inferred phases: Fe2O3

Table S61

Site: Filt6-3

Spectrum: 1 5-Jul-2013 08:09 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	88892	70.00/90.53	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.31	0.7886	57.46	2.88	67.25	14.19	4.27	O	23.88
Na K	1.21	0.7525	1.61	0.48	1.31	2.17	0.65	Na2O	0.47
Mg K	1.20	0.6964	1.72	0.32	1.32	2.85	0.53	MgO	0.47
Al K	6.15	0.7991	7.69	0.44	5.34	14.53	0.83	Al2O3	1.90
Si K	20.78	0.8179	25.40	0.68	16.94	54.34	1.45	SiO2	6.02
P K	0.38	0.9264	0.41	0.22	0.25	0.94	0.50	P2O5	0.09
S K	0.01	0.7880	0.02	< 0.36	0.01	0.05	< 0.90	SO3	0.00
Cl K	0.53	0.8267	0.64	0.20	0.34	0.64	0.20	Cl	0.12
K K	7.31	1.0180	7.18	0.38	3.44	8.65	0.46	K2O	1.22
Ti K	1.10	0.8175	1.35	0.28	0.53	2.25	0.47	TiO2	0.19
V K	0.00	0.8162	0.00	0.00	0.00			V2O5	0.00
Cr K	0.06	0.8423	0.07	< 0.22	0.02	0.10	< 0.32	Cr2O3	0.01
Mn K	0.02	0.8185	0.03	< 0.26	0.01	0.04	< 0.34	MnO	0.00
Fe K	6.38	0.8381	7.62	0.64	2.55	9.80	0.82	FeO	0.91
Cu K	1.71	0.8002	2.13	0.60	0.63	2.67	0.75	CuO	0.22
As L	0.00	1.0084	0.00	0.00	0.00			As2O3	0.00
Mo L	0.12	0.6612	0.18	< 1.10	0.04	0.27	< 1.65	MoO3	0.01

Pb M	0.19	0.7228	0.26 <	0.80	0.02	0.28 <	0.86	PbO	0.01
Total			113.77+/- 3.53	CompSum	98.94+/- 3.15			CatSum	11.51
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S62

Spectrum: 2 5-Jul-2013 08:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	73110	70.00/86.63	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.27	0.6611	29.16	2.24	57.56	-3.49 <	3.69	O	23.91
Na K	0.70	0.7479	0.93	0.34	1.28	1.25	0.46	Na2O	0.53
Mg K	0.74	0.6973	1.05	0.24	1.37	1.74	0.40	MgO	0.57
Al K	4.13	0.8032	5.14	0.36	6.02	9.71	0.68	Al2O3	2.50
Si K	15.25	0.8230	18.53	0.58	20.84	39.64	1.24	SiO2	8.66
P K	0.36	0.9134	0.40	0.20	0.41	0.92	0.46	P2O5	0.17
S K	0.15	0.7812	0.19 <	0.34	0.19	0.47 <	0.85	SO3	0.08
Cl K	0.20	0.8240	0.24	0.16	0.22	0.24	0.16	Cl	0.09
K K	7.25	1.0253	7.07	0.38	5.71	8.52	0.46	K2O	2.37
Ti K	0.94	0.8234	1.14	0.26	0.75	1.90	0.43	TiO2	0.31
V K	0.11	0.8268	0.13 <	0.22	0.08	0.23 <	0.39	V2O5	0.03
Cr K	0.06	0.8575	0.06 <	0.20	0.04	0.09 <	0.29	Cr2O3	0.02
Mn K	0.00	0.8261	0.00	0.00	0.00			MnO	0.00
Fe K	7.66	0.8468	9.04	0.68	5.11	11.63	0.87	FeO	2.12
Cu K	0.60	0.8088	0.74	0.42	0.37	0.93	0.53	CuO	0.15
As L	0.01	1.0101	0.01 <	0.48	0.00	0.01 <	0.63	As2O3	0.00
Mo L	0.02	0.6557	0.03 <	1.06	0.01	0.05 <	1.59	MoO3	0.00
Pb M	0.16	0.7171	0.23 <	0.76	0.03	0.25 <	0.82	PbO	0.01
Total			74.11+/- 2.95	CompSum	77.34+/- 2.93			CatSum	17.53
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S63

Spectrum: 3 5-Jul-2013 08:13 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	73492	70.00/87.10	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.86	1.3347	14.13	1.16	43.12	-5.04	2.96	O	24.00
Na K	0.12	0.3932	0.32 <	0.40	0.67	0.43 <	0.54	Na2O	0.37
Mg K	0.01	0.4040	0.01 <	0.24	0.03	0.02 <	0.40	MgO	0.02
Al K	0.08	0.5268	0.16 <	0.20	0.29	0.30 <	0.38	Al2O3	0.16
Si K	0.42	0.6574	0.64	0.20	1.10	1.37	0.43	SiO2	0.61
P K	0.00	1.0137	0.00	0.00	0.00			P2O5	0.00
S K	0.00	0.8718	0.00	0.00	0.00			SO3	0.00
Cl K	0.00	0.9191	0.00	0.00	0.00			Cl	0.00
K K	0.12	1.1610	0.10 <	0.16	0.12	0.12 <	0.19	K2O	0.07
Ti K	0.03	1.0257	0.03 <	0.20	0.03	0.05 <	0.33	TiO2	0.02
V K	0.04	1.0729	0.04 <	0.20	0.04	0.07 <	0.36	V2O5	0.02
Cr K	0.07	1.1878	0.06 <	0.20	0.05	0.09 <	0.29	Cr2O3	0.03
Mn K	0.20	0.9360	0.21 <	0.30	0.19	0.27 <	0.39	MnO	0.11

Fe K	58.84	0.9566	61.52	1.46	53.78	79.14	1.88	FeO	29.93
Cu K	0.28	0.8421	0.34 <	0.46	0.26	0.43 <	0.58	CuO	0.14
As L	0.00	0.5963	0.00	0.00	0.00			As2O3	0.00
Mo L	0.45	0.7317	0.61 <	1.00	0.31	0.92 <	1.50	MoO3	0.17
Pb M	0.00	0.8002	0.00	0.00	0.00			PbO	0.00
Total			78.16+/- 2.29		CompSum	83.21+/- 2.72		CatSum	31.65
								An.Sum	24.00

Inferred phases: Fe2O3

Table S64

Spectrum: 4 5-Jul-2013 08:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	85755	70.00/89.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	39.97	0.7599	52.60	2.78	65.29	9.25	3.78	O	23.98
Na K	1.50	0.7649	1.96	0.44	1.69	2.64	0.59	Na2O	0.62
Mg K	0.88	0.7055	1.25	0.30	1.02	2.07	0.50	MgO	0.37
Al K	6.45	0.8120	7.94	0.44	5.84	15.00	0.83	Al2O3	2.14
Si K	20.83	0.8217	25.35	0.66	17.92	54.23	1.41	SiO2	6.58
P K	0.22	0.9200	0.24	0.22	0.15	0.55	0.50	P2O5	0.06
S K	0.15	0.7850	0.19 <	0.34	0.12	0.47 <	0.85	SO3	0.04
Cl K	0.08	0.8252	0.10 <	0.16	0.06	0.10 <	0.16	Cl	0.02
K K	7.85	1.0206	7.69	0.38	3.90	9.26	0.46	K2O	1.43
Ti K	1.23	0.8180	1.50	0.28	0.62	2.50	0.47	TiO2	0.23
V K	0.00	0.8174	0.00	0.00	0.00			V2O5	0.00
Cr K	0.08	0.8439	0.10 <	0.22	0.04	0.15 <	0.32	Cr2O3	0.01
Mn K	0.08	0.8165	0.09 <	0.26	0.03	0.12 <	0.34	MnO	0.01
Fe K	7.52	0.8351	9.00	0.66	3.20	11.58	0.85	FeO	1.18
Cu K	0.22	0.7995	0.27 <	0.42	0.09	0.34 <	0.53	CuO	0.03
As L	0.00	1.0210	0.00	0.00	0.00			As2O3	0.00
Mo L	0.00	0.6588	0.00	0.00	0.00			MoO3	0.00
Pb M	0.14	0.7202	0.19 <	0.76	0.02	0.20 <	0.82	PbO	0.01
Total			108.47+/- 3.22		CompSum	99.12+/- 2.56		CatSum	12.72
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S65

Spectrum: 5 5-Jul-2013 08:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	64640	70.00/84.67	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.14	1.1282	14.31	1.28	50.05	-1.29 <	3.42	O	23.38
Na K	0.48	0.4299	1.13	0.56	2.74	1.52	0.75	Na2O	1.28
Mg K	0.03	0.4216	0.06 <	0.24	0.14	0.10 <	0.40	MgO	0.07
Al K	0.08	0.5438	0.15 <	0.20	0.31	0.28 <	0.38	Al2O3	0.14
Si K	1.32	0.6717	1.96	0.26	3.91	4.19	0.56	SiO2	1.83
P K	0.18	1.0029	0.18	0.18	0.33	0.41	0.41	P2O5	0.15
S K	0.61	0.8576	0.72	0.40	1.25	1.80	1.00	SO3	0.58
Cl K	0.75	0.8939	0.84	0.20	1.32	0.84	0.20	Cl	0.62
K K	0.74	1.1194	0.66	0.18	0.95	0.80	0.22	K2O	0.44

Ti K	0.21	0.9657	0.21	0.18	0.25	0.35	0.30	TiO2	0.12
V K	0.20	0.9945	0.20	0.20	0.22	0.36	0.36	V2O5	0.10
Cr K	0.00	1.0744	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.25	0.9194	0.27	0.24	0.28	0.35	0.31	MnO	0.13
Fe K	30.76	0.9442	32.57	1.08	32.64	41.90	1.39	FeO	15.25
Cu K	5.20	0.8462	6.14	0.80	5.41	7.69	1.00	CuO	2.53
As L	0.07	0.6214	0.11 <	0.46	0.08	0.15 <	0.61	As2O3	0.04
Mo L	0.06	0.7196	0.09 <	1.18	0.05	0.14 <	1.77	MoO3	0.02
Pb M	0.19	0.7869	0.24 <	0.88	0.07	0.26 <	0.95	PbO	0.03
Total			59.85+/- 2.59	CompSum	60.29+/- 3.17			CatSum	22.72
								An.Sum	24.00

Low total
Inferred phases: Fe2O3

Table S66

Spectrum: 6 5-Jul-2013 08:18 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	79091	70.00/88.13	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.59	1.0387	32.37	2.06	66.00	14.66	4.37	O	23.00
Na K	1.53	0.4940	3.09	0.90	4.38	4.17	1.21	Na2O	1.53
Mg K	0.06	0.4575	0.13 <	0.34	0.17	0.22 <	0.56	MgO	0.06
Al K	0.18	0.5732	0.32	0.24	0.38	0.60	0.45	Al2O3	0.13
Si K	1.43	0.6951	2.05	0.28	2.38	4.39	0.60	SiO2	0.83
P K	0.61	1.0301	0.60	0.22	0.63	1.37	0.50	P2O5	0.22
S K	1.27	0.8651	1.47	0.48	1.49	3.67	1.20	SO3	0.52
Cl K	2.75	0.8814	3.12	0.30	2.87	3.12	0.30	Cl	1.00
K K	1.39	1.0714	1.30	0.22	1.08	1.57	0.27	K2O	0.38
Ti K	0.05	0.9008	0.05 <	0.18	0.04	0.08 <	0.30	TiO2	0.01
V K	0.46	0.9126	0.51	0.24	0.32	0.91	0.43	V2O5	0.11
Cr K	0.00	0.9653	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.14	0.8924	0.16 <	0.26	0.09	0.21 <	0.34	MnO	0.03
Fe K	19.67	0.9211	21.35	0.92	12.47	27.47	1.18	FeO	4.35
Cu K	11.43	0.8396	13.61	1.06	6.99	17.04	1.33	CuO	2.44
As L	0.62	0.6728	0.92	0.64	0.40	1.21	0.85	As2O3	0.14
Mo L	0.49	0.7253	0.67 <	1.48	0.23	1.01 <	2.22	MoO3	0.08
Pb M	0.31	0.7912	0.39 <	1.14	0.06	0.42 <	1.23	PbO	0.02
Total			82.11+/- 3.43	CompSum	64.33+/- 3.85			CatSum	10.84
								An.Sum	24.00

Inferred phases: Fe2O3, Na2SO4, NaCl, CuO

Table S67

Spectrum: 7 5-Jul-2013 08:20 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	81114	70.00/88.91	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.98	1.2741	26.68	1.64	58.71	7.40	3.79	O	23.27
Na K	0.32	0.4237	0.75	0.74	1.15	1.01	1.00	Na2O	0.46
Mg K	0.05	0.4227	0.13 <	0.32	0.18	0.22 <	0.53	MgO	0.07
Al K	0.08	0.5458	0.14 <	0.24	0.19	0.26 <	0.45	Al2O3	0.08

Si K	1.04	0.6741	1.55	0.28	1.94	3.32	0.60	SiO2	0.77
P K	0.25	1.0189	0.25	0.20	0.28	0.57	0.46	P2O5	0.11
S K	0.24	0.8677	0.27 <	0.40	0.30	0.67 <	1.00	SO3	0.12
Cl K	1.69	0.9071	1.86	0.26	1.85	1.86	0.26	Cl	0.73
K K	0.02	1.1212	0.02 <	0.18	0.02	0.02 <	0.22	K2O	0.01
Ti K	0.05	0.9696	0.05 <	0.20	0.04	0.08 <	0.33	TiO2	0.02
V K	0.12	0.9997	0.12 <	0.22	0.08	0.21 <	0.39	V2O5	0.03
Cr K	0.11	1.0864	0.10 <	0.20	0.07	0.15 <	0.29	Cr2O3	0.03
Mn K	0.00	0.9134	0.00	0.00	0.00			MnO	0.00
Fe K	45.65	0.9362	48.76	1.32	30.75	62.73	1.70	FeO	12.19
Cu K	6.47	0.8382	7.72	0.90	4.28	9.66	1.13	CuO	1.70
As L	0.01	0.6231	0.02 <	0.60	0.01	0.03 <	0.79	As2O3	0.00
Mo L	0.32	0.7278	0.43 <	1.24	0.16	0.65 <	1.86	MoO3	0.06
Pb M	0.00	0.7950	0.00	0.00	0.00			PbO	0.00
Total			88.85+/-	2.89	CompSum	79.59+/-	3.42	CatSum	15.63
								An.Sum	24.00

Inferred phases: Fe2O3, CuO, NaCl

Table S68

Spectrum: 8 5-Jul-2013 08:22 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	57002	70.00/82.77	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.07	0.8815	10.29	1.24	47.24	-2.45 <	3.43	O	22.33
Na K	0.82	0.4653	1.77	0.58	5.65	2.39	0.78	Na2O	2.67
Mg K	0.00	0.4245	0.00	0.00	0.00			MgO	0.00
Al K	0.12	0.5421	0.23	0.18	0.62	0.43	0.34	Al2O3	0.29
Si K	1.19	0.6663	1.78	0.24	4.66	3.81	0.51	SiO2	2.20
P K	0.25	0.9894	0.25	0.18	0.60	0.57	0.41	P2O5	0.28
S K	1.13	0.8453	1.33	0.42	3.05	3.32	1.05	SO3	1.44
Cl K	1.47	0.8644	1.70	0.24	3.53	1.70	0.24	Cl	1.67
K K	1.37	1.0747	1.27	0.20	2.39	1.53	0.24	K2O	1.13
Ti K	0.17	0.9175	0.18	0.18	0.28	0.30	0.30	TiO2	0.13
V K	0.10	0.9339	0.11 <	0.22	0.16	0.20 <	0.39	V2O5	0.08
Cr K	0.00	0.9899	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.17	0.9258	0.19 <	0.24	0.25	0.25 <	0.31	MnO	0.12
Fe K	12.48	0.9614	12.98	0.72	17.07	16.70	0.93	FeO	8.07
Cu K	10.30	0.8682	11.86	0.96	13.71	14.85	1.20	CuO	6.48
As L	0.23	0.6255	0.36 <	0.42	0.36	0.48 <	0.55	As2O3	0.17
Mo L	0.31	0.7090	0.43 <	1.30	0.33	0.65 <	1.95	MoO3	0.16
Pb M	0.20	0.7757	0.26 <	1.00	0.09	0.28 <	1.08	PbO	0.04
Total			45.01+/-	2.59	CompSum	45.74+/-	3.20	CatSum	23.27
								An.Sum	24.00

Inferred phases: Fe2O3, CuO, NaCl, (Na,K)2SO4, silicate glass

Table S69

Spectrum: 9 5-Jul-2013 08:24 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	392150	77253	70.00/87.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula

O	K	38.68	1.1622	33.29	1.90	63.84	11.04	3.42	O	23.71
Na	K	1.05	0.4898	2.14	0.72	2.86	2.88	0.97	Na2O	1.06
Mg	K	0.18	0.4756	0.38	0.30	0.48	0.63	0.50	MgO	0.18
Al	K	0.85	0.6002	1.42	0.30	1.62	2.68	0.57	Al2O3	0.60
Si	K	3.97	0.7126	5.57	0.38	6.08	11.92	0.81	SiO2	2.26
P	K	0.25	1.0085	0.24	0.20	0.24	0.55	0.46	P2O5	0.09
S	K	0.77	0.8537	0.91	0.42	0.87	2.27	1.05	SO3	0.32
Cl	K	0.79	0.8833	0.89	0.20	0.77	0.89	0.20	Cl	0.29
K	K	1.62	1.0923	1.48	0.22	1.16	1.78	0.27	K2O	0.43
Ti	K	0.28	0.9206	0.30	0.20	0.19	0.50	0.33	TiO2	0.07
V	K	0.07	0.9395	0.08 <	0.22	0.05	0.14 <	0.39	V2O5	0.02
Cr	K	0.11	1.0047	0.11 <	0.18	0.07	0.16 <	0.26	Cr2O3	0.03
Mn	K	0.11	0.8804	0.13 <	0.26	0.07	0.17 <	0.34	MnO	0.03
Fe	K	32.03	0.9012	35.54	1.16	19.53	45.72	1.49	FeO	7.25
Cu	K	3.61	0.8229	4.38	0.70	2.12	5.48	0.88	CuO	0.79
As	L	0.00	0.6988	0.00	0.00	0.00			As2O3	0.00
Mo	L	0.00	0.7162	0.00	0.00	0.00			MoO3	0.00
Pb	M	0.33	0.7819	0.43 <	0.96	0.06	0.46 <	1.03	PbO	0.02
Total				87.29+/- 2.78		CompSum	75.36+/- 2.84		CatSum	13.15
									An.Sum	24.00

Inferred phases: Fe2O3, CuO, silicate glass

Table S70

Site: F5-1
Spectrum: 1 19-Sep-2013 03:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	85887	70.00/90.03	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	14.73	0.9691	15.21	1.50	47.75	-7.31	2.82	O	22.06
Si	K	0.15	0.6437	0.23	0.22	0.40	0.49	0.47	SiO2	0.18
S	K	6.07	0.8556	7.09	0.44	11.11	17.70	1.10	SO3	5.13
Cl	K	2.47	0.8360	2.96	0.32	4.19	2.96	0.32	Cl	1.94
Mn	K	0.17	0.9552	0.18 <	0.24	0.16	0.23 <	0.31	MnO	0.07
Fe	K	14.41	1.0028	14.37	0.74	12.92	18.49	0.95	FeO	5.97
Cu	K	26.32	0.8859	29.70	1.44	23.48	37.18	1.80	CuO	10.85
Total				69.73+/- 2.30		CompSum	74.09+/- 2.38		CatSum	22.21
									An.Sum	24.00

Inferred phases: Fe-Cu-S-O-Cl unidentified phases

Table S71

Spectrum: 2 19-Sep-2013 03:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	88911	70.00/90.91	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	12.71	0.9301	13.68	1.48	42.83	-12.31	2.89	O	22.05
Si	K	0.14	0.6377	0.21 <	0.22	0.38	0.45 <	0.47	SiO2	0.20
S	K	7.53	0.8519	8.84	0.48	13.81	22.07	1.20	SO3	7.11

Cl K	2.21	0.8231	2.68	0.30	3.79	2.68	0.30	Cl	1.95
Mn K	0.24	0.9639	0.25	0.24	0.23	0.32	0.31	MnO	0.12
Fe K	13.72	1.0149	13.52	0.72	12.13	17.39	0.93	FeO	6.24
Cu K	30.42	0.8939	34.03	1.50	26.83	42.60	1.88	CuO	13.81
Total			73.21+/- 2.32		CompSum	82.84+/- 2.48		CatSum	27.48
								An.Sum	24.00

Inferred phases: Fe-Cu-S-O-Cl unidentified phases

Table S72

Spectrum: 3 19-Sep-2013 03:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	90880	70.00/91.04	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.72	0.9707	17.23	1.56	49.56	-6.46	2.86	O	22.00
Si K	0.24	0.6535	0.36	0.22	0.60	0.77	0.47	SiO2	0.27
S K	6.50	0.8615	7.54	0.44	10.83	18.83	1.10	SO3	4.81
Cl K	2.92	0.8389	3.48	0.32	4.51	3.48	0.32	Cl	2.00
Mn K	0.00	0.9462	0.00	0.00	0.00			MnO	0.00
Fe K	16.46	0.9906	16.62	0.80	13.70	21.38	1.03	FeO	6.08
Cu K	25.26	0.8795	28.72	1.44	20.80	35.95	1.80	CuO	9.23
Total			73.95+/- 2.34		CompSum	76.93+/- 2.40		CatSum	20.39
								An.Sum	24.00

Inferred phases: Fe-Cu-S-O-Cl unidentified phases

Table S73

Spectrum: 4 19-Sep-2013 03:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	97343	70.00/93.07	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.15	0.9712	18.69	1.66	47.24	-10.57	3.15	O	22.40
Si K	0.21	0.6436	0.33	0.24	0.47	0.71	0.51	SiO2	0.22
S K	8.16	0.8549	9.55	0.50	12.04	23.85	1.25	SO3	5.71
Cl K	2.46	0.8308	2.96	0.32	3.38	2.96	0.32	Cl	1.60
Mn K	0.31	0.9552	0.32	0.30	0.24	0.41	0.39	MnO	0.11
Fe K	18.27	1.0025	18.22	0.84	13.20	23.44	1.08	FeO	6.26
Cu K	32.61	0.8859	36.82	1.60	23.44	46.09	2.00	CuO	11.11
Total			86.88+/- 2.55		CompSum	94.50+/- 2.67		CatSum	23.42
								An.Sum	24.00

Inferred phases: Fe-Cu-S-O-Cl unidentified phases

Table S74

Spectrum: 5 19-Sep-2013 03:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	85601	70.00/89.95	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	24.67	1.1754	20.99	1.52	58.90	4.58	2.63	O	22.47
Si K	0.16	0.6687	0.24	0.22	0.38	0.51	0.47	SiO2	0.14

S	K	2.68	0.8737	3.07	0.32	4.29	7.67	0.80	SO3	1.64
Cl	K	2.81	0.8841	3.17	0.30	4.02	3.17	0.30	Cl	1.53
Mn	K	0.47	0.9227	0.51	0.28	0.42	0.66	0.36	MnO	0.16
Fe	K	24.69	0.9541	25.87	0.98	20.80	33.28	1.26	FeO	7.93
Cu	K	13.52	0.8540	15.83	1.14	11.19	19.82	1.43	CuO	4.27
Total				69.68+/- 2.21		CompSum	61.93+/- 2.15		CatSum	14.14
									An.Sum	24.00

Inferred phases: Fe-Cu-S-O-Cl unidentified phases

Table S75

Site: F5-2-1

Spectrum: 1 19-Sep-2013 04:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	77966	70.00/88.18	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	13.63	0.9310	14.64	1.58	43.22	-7.82	2.78	O	24.00
F	K	0.00	0.3535	0.00	0.00	0.00			F	0.00
Na	K	0.07	0.4266	0.17 <	0.30	0.35	0.23 <	0.40	Na2O	0.19
Mg	K	0.56	0.4356	1.29	0.30	2.50	2.14	0.50	MgO	1.39
Al	K	0.72	0.5510	1.31	0.26	2.30	2.48	0.49	Al2O3	1.28
Si	K	0.43	0.6706	0.64	0.20	1.07	1.37	0.43	SiO2	0.59
P	K	0.08	1.0279	0.08 <	0.16	0.12	0.18 <	0.37	P2O5	0.07
K	K	0.15	1.1693	0.13 <	0.16	0.16	0.16 <	0.19	K2O	0.09
Ca	K	0.41	1.1286	0.36	0.18	0.43	0.50	0.25	CaO	0.24
Ti	K	6.69	0.9952	6.72	0.44	6.62	11.21	0.73	TiO2	3.68
V	K	0.49	1.0242	0.48	0.30	0.45	0.86	0.54	V2O5	0.25
Cr	K	0.15	1.0647	0.14 <	0.22	0.12	0.20 <	0.32	Cr2O3	0.07
Mn	K	0.29	0.9116	0.32	0.30	0.27	0.41	0.39	MnO	0.15
Fe	K	46.84	0.9343	50.13	1.36	42.40	64.49	1.75	FeO	23.54
Total				76.40+/- 2.27		CompSum	84.23+/- 2.28		CatSum	31.54
									An.Sum	24.00

Inferred phases: (Fe,Ti)3O4

Table S76

Spectrum: 2 19-Sep-2013 04:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	81072	70.00/88.78	6	20.00

Peak omited: 9.071 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	22.55	0.6989	32.27	2.58	58.49	-3.94	3.33	O	23.97
F	K	0.01	0.2005	0.05 <	0.90	0.07	0.05 <	0.90	F	0.03
Na	K	1.33	0.7857	1.69	0.34	2.13	2.28	0.46	Na2O	0.87
Mg	K	0.83	0.7158	1.16	0.24	1.38	1.92	0.40	MgO	0.57
Al	K	4.94	0.8172	6.04	0.38	6.49	11.41	0.72	Al2O3	2.66
Si	K	17.04	0.8219	20.73	0.62	21.40	44.35	1.33	SiO2	8.77
P	K	0.22	0.8940	0.25	0.20	0.23	0.57	0.46	P2O5	0.09
K	K	2.25	1.0254	2.20	0.24	1.63	2.65	0.29	K2O	0.67
Ca	K	4.07	0.9608	4.24	0.34	3.06	5.93	0.48	CaO	1.25
Ti	K	1.27	0.8169	1.56	0.30	0.94	2.60	0.50	TiO2	0.39
V	K	0.08	0.8185	0.10 <	0.24	0.05	0.18 <	0.43	V2O5	0.02

Cr K	0.09	0.8453	0.11 <	0.22	0.06	0.16 <	0.32	Cr2O3	0.02
Mn K	0.14	0.8181	0.17 <	0.26	0.09	0.22 <	0.34	MnO	0.04
Fe K	6.39	0.8377	7.62	0.62	3.96	9.80	0.80	FeO	1.62
Total			78.17+/- 3.00	CompSum	82.08+/- 2.11			CatSum	16.98
								An.Sum	24.00

Inferred phases: silicate glass

Table S77

Spectrum: 3 19-Sep-2013 04:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	80065	70.00/88.40	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	25.19	0.6922	36.38	2.64	61.13	-0.55 <	3.23	O	23.95
F K	0.02	0.1834	0.09 <	0.78	0.13	0.09 <	0.78	F	0.05
Na K	2.21	0.9025	2.44	0.36	2.86	3.29	0.49	Na2O	1.12
Mg K	0.13	0.7854	0.16 <	0.18	0.18	0.27 <	0.30	MgO	0.07
Al K	10.03	0.8913	11.25	0.46	11.21	21.26	0.87	Al2O3	4.39
Si K	15.96	0.7980	20.00	0.60	19.14	42.79	1.28	SiO2	7.50
P K	0.00	0.8784	0.00	0.00	0.00			P2O5	0.00
K K	0.49	1.0103	0.48	0.18	0.33	0.58	0.22	K2O	0.13
Ca K	6.42	0.9505	6.76	0.40	4.53	9.46	0.56	CaO	1.77
Ti K	0.20	0.7921	0.26	0.20	0.14	0.43	0.33	TiO2	0.05
V K	0.00	0.7903	0.00	0.00	0.00			V2O5	0.00
Cr K	0.01	0.8146	0.01 <	0.22	0.00	0.01 <	0.32	Cr2O3	0.00
Mn K	0.00	0.8045	0.00	0.00	0.00			MnO	0.00
Fe K	0.59	0.8235	0.71	0.34	0.34	0.91	0.44	FeO	0.13
Total			78.55+/- 2.95	CompSum	79.00+/- 1.87			CatSum	15.17
								An.Sum	24.00

Inferred phases: silicate glass

Table S78

Spectrum: 4 19-Sep-2013 04:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	83152	70.00/89.04	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.73	0.7155	33.17	2.58	57.60	-4.37	3.40	O	24.00
F K	0.00	0.2123	0.00	0.00	0.00			F	0.00
Na K	0.83	0.7122	1.17	0.36	1.42	1.58	0.49	Na2O	0.59
Mg K	1.67	0.6693	2.49	0.32	2.85	4.13	0.53	MgO	1.19
Al K	3.60	0.7607	4.74	0.36	4.87	8.96	0.68	Al2O3	2.03
Si K	15.99	0.8049	19.86	0.60	19.64	42.49	1.28	SiO2	8.18
P K	0.47	0.9152	0.51	0.22	0.46	1.17	0.50	P2O5	0.19
K K	1.84	1.0432	1.76	0.24	1.25	2.12	0.29	K2O	0.52
Ca K	5.02	0.9807	5.12	0.36	3.55	7.16	0.50	CaO	1.48
Ti K	1.78	0.8327	2.14	0.32	1.24	3.57	0.53	TiO2	0.52
V K	0.10	0.8373	0.12 <	0.26	0.06	0.21 <	0.46	V2O5	0.03
Cr K	0.00	0.8676	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.19	0.8274	0.23 <	0.28	0.12	0.30 <	0.36	MnO	0.05

Fe K	11.83	0.8476	13.96	0.80	6.94	17.96	1.03	FeO	2.89
Total			85.27+/- 2.92	CompSum		89.64+/- 2.22		CatSum	17.67
								An.Sum	24.00

Inferred phases: silicate glass

Table S79

Spectrum: 5 19-Sep-2013 04:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	92134	70.00/91.78	6	20.00

Peak omited: 11.380 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	45.10	0.8954	50.37	2.80	61.77	4.78	3.70	O	23.49
F K	0.27	0.2087	1.31 <	1.48	1.35	1.31 <	1.48	F	0.51
Na K	1.88	0.7261	2.59	0.46	2.21	3.49	0.62	Na2O	0.84
Mg K	3.63	0.6694	5.42	0.44	4.38	8.99	0.73	MgO	1.67
Al K	4.51	0.7385	6.10	0.42	4.44	11.53	0.79	Al2O3	1.69
Si K	19.15	0.7869	24.33	0.68	17.00	52.05	1.45	SiO2	6.46
P K	0.40	0.9125	0.44	0.22	0.28	1.01	0.50	P2O5	0.11
K K	1.55	1.0308	1.51	0.22	0.76	1.82	0.27	K2O	0.29
Ca K	2.65	0.9756	2.72	0.30	1.33	3.81	0.42	CaO	0.51
Ti K	1.77	0.8370	2.11	0.32	0.87	3.52	0.53	TiO2	0.33
V K	0.00	0.8384	0.00	0.00	0.00			V2O5	0.00
Cr K	0.08	0.8679	0.09 <	0.22	0.03	0.13 <	0.32	Cr2O3	0.01
Mn K	0.15	0.8252	0.18 <	0.30	0.06	0.23 <	0.39	MnO	0.02
Fe K	13.28	0.8433	15.74	0.84	5.53	20.25	1.08	FeO	2.10
Total			112.91+/- 3.49	CompSum		106.82+/- 2.42		CatSum	14.03
								An.Sum	24.00

Inferred phases: silicate glass

Table S80

Spectrum: 6 19-Sep-2013 04:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.01	393761	95622	70.00/92.41	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	44.64	0.7872	56.71	3.14	61.24	5.78	3.85	O	22.41
F K	0.89	0.1869	4.78	1.40	4.35	4.78	1.40	F	1.59
Na K	3.33	0.8660	3.85	0.46	2.89	5.19	0.62	Na2O	1.06
Mg K	0.29	0.7588	0.38	0.24	0.27	0.63	0.40	MgO	0.10
Al K	13.85	0.8663	15.98	0.56	10.24	30.19	1.06	Al2O3	3.75
Si K	21.85	0.7910	27.62	0.72	16.99	59.09	1.54	SiO2	6.22
P K	0.00	0.8912	0.00	0.00	0.00			P2O5	0.00
K K	0.65	1.0115	0.65	0.18	0.29	0.78	0.22	K2O	0.11
Ca K	7.38	0.9526	7.75	0.42	3.34	10.84	0.59	CaO	1.22
Ti K	0.16	0.7979	0.20	0.20	0.07	0.33	0.33	TiO2	0.03
V K	0.00	0.7941	0.00	0.00	0.00			V2O5	0.00
Cr K	0.04	0.8173	0.05 <	0.22	0.02	0.07 <	0.32	Cr2O3	0.01
Mn K	0.04	0.8060	0.05 <	0.24	0.02	0.06 <	0.31	MnO	0.01
Fe K	0.76	0.8240	0.92	0.34	0.29	1.18	0.44	FeO	0.11
Total			118.95+/- 3.66	CompSum		108.38+/- 2.22		CatSum	12.59
								An.Sum	24.00

Inferred phases: silicate glass

Table S81

Site: F6-2
Spectrum: 1 19-Sep-2013 06:42 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	137322	100.00/132.40	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	32.20	0.7691	41.87	2.18	61.45	0.02	< 3.04	O	24.00
Na K	0.36	0.7784	0.47	0.26	0.48	0.63	0.35	Na2O	0.19
Mg K	1.51	0.7300	2.06	0.26	1.99	3.42	0.43	MgO	0.78
Al K	6.17	0.8189	7.53	0.36	6.56	14.23	0.68	Al2O3	2.56
Si K	20.01	0.8199	24.41	0.56	20.41	52.22	1.20	SiO2	7.97
P K	0.31	0.8977	0.35	0.18	0.26	0.80	0.41	P2O5	0.10
S K	0.02	0.7699	0.03 <	0.16	0.02	0.07 <	0.40	SO3	0.01
K K	5.90	1.0186	5.79	0.30	3.48	6.97	0.36	K2O	1.36
Ca K	0.86	0.9429	0.92	0.20	0.54	1.29	0.28	CaO	0.21
Ti K	1.20	0.8201	1.46	0.24	0.72	2.44	0.40	TiO2	0.28
Mn K	0.11	0.8190	0.14 <	0.22	0.06	0.18 <	0.28	MnO	0.02
Fe K	8.00	0.8381	9.54	0.58	4.01	12.27	0.75	FeO	1.57
Cu K	0.00	0.8019	0.00	0.00	0.00			CuO	0.00
As L	0.08	1.0559	0.08 <	0.52	0.03	0.11 <	0.69	As2O3	0.01
Pb M	0.01	0.7083	0.02 <	0.64	0.00	0.02 <	0.69	PbO	0.00
Total			94.66+/-	2.58	CompSum	94.65+/-	2.12	CatSum	15.06
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S82

Spectrum: 2 19-Sep-2013 06:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	144609	100.00/134.20	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	42.45	0.8110	52.34	2.34	64.87	7.09	3.16	O	24.00
Na K	0.24	0.7644	0.31	0.28	0.27	0.42	0.38	Na2O	0.10
Mg K	1.73	0.7217	2.39	0.28	1.95	3.96	0.46	MgO	0.72
Al K	6.66	0.8093	8.23	0.38	6.05	15.55	0.72	Al2O3	2.24
Si K	21.22	0.8169	25.97	0.58	18.34	55.56	1.24	SiO2	6.79
P K	0.43	0.9129	0.47	0.18	0.30	1.08	0.41	P2O5	0.11
S K	0.10	0.7790	0.13 <	0.16	0.08	0.32 <	0.40	SO3	0.03
K K	6.42	1.0214	6.28	0.30	3.18	7.56	0.36	K2O	1.18
Ca K	0.88	0.9458	0.93	0.20	0.46	1.30	0.28	CaO	0.17
Ti K	1.33	0.8205	1.63	0.24	0.67	2.72	0.40	TiO2	0.25
Mn K	0.28	0.8175	0.34	0.22	0.12	0.44	0.28	MnO	0.04
Fe K	8.58	0.8360	10.26	0.60	3.64	13.20	0.77	FeO	1.35
Cu K	0.00	0.7996	0.00 <	0.36	0.00	0.00 <	0.45	CuO	0.00
As L	0.25	1.0444	0.24 <	0.56	0.06	0.32 <	0.74	As2O3	0.02
Pb M	0.00	0.7161	0.00	0.00	0.00			PbO	0.00
Total			109.53+/-	2.69	CompSum	102.43+/-	2.13	CatSum	12.99
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S83

Spectrum: 3 19-Sep-2013 06:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	142886	100.00/133.63	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.95	0.7841	47.12	2.26	63.37	2.99	< 3.07	O	24.00
Na K	0.37	0.7932	0.47	0.28	0.44	0.63	0.38	Na2O	0.17
Mg K	1.34	0.7412	1.81	0.26	1.60	3.00	0.43	MgO	0.61
Al K	6.80	0.8343	8.16	0.36	6.51	15.42	0.68	Al2O3	2.47
Si K	21.71	0.8289	26.19	0.58	20.07	56.03	1.24	SiO2	7.60
P K	0.40	0.9017	0.45	0.18	0.31	1.03	0.41	P2O5	0.12
S K	0.17	0.7708	0.22	0.16	0.14	0.55	0.40	SO3	0.05
K K	6.25	1.0126	6.18	0.30	3.40	7.44	0.36	K2O	1.29
Ca K	0.69	0.9372	0.73	0.20	0.39	1.02	0.28	CaO	0.15
Ti K	1.01	0.8150	1.24	0.24	0.56	2.07	0.40	TiO2	0.21
Mn K	0.11	0.8161	0.13 <	0.22	0.05	0.17 <	0.28	MnO	0.02
Fe K	6.67	0.8350	7.99	0.54	3.08	10.28	0.69	FeO	1.17
Cu K	0.11	0.8004	0.14 <	0.34	0.05	0.18 <	0.43	CuO	0.02
As L	0.00	1.0713	0.00	0.00	0.00			As2O3	0.00
Pb M	0.23	0.7090	0.32 <	0.68	0.03	0.34 <	0.73	PbO	0.01
Total			101.13+/- 2.62		CompSum	98.16+/- 2.08		CatSum	13.87
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S84

Spectrum: 4 19-Sep-2013 06:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	153150	100.00/136.19	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	79.03	0.9695	81.51	2.66	74.69	33.47	3.52	O	24.00
Na K	1.00	0.7788	1.29	0.36	0.82	1.74	0.49	Na2O	0.26
Mg K	0.07	0.7238	0.10 <	0.24	0.06	0.17 <	0.40	MgO	0.02
Al K	4.77	0.8238	5.79	0.34	3.15	10.94	0.64	Al2O3	1.01
Si K	26.57	0.8580	30.97	0.60	16.17	66.25	1.28	SiO2	5.20
P K	0.38	0.9475	0.40	0.18	0.19	0.92	0.41	P2O5	0.06
S K	1.75	0.7976	2.19	0.26	1.00	5.47	0.65	SO3	0.32
K K	5.79	1.0042	5.77	0.30	2.16	6.95	0.36	K2O	0.69
Ca K	0.06	0.9349	0.07 <	0.16	0.03	0.10 <	0.22	CaO	0.01
Ti K	0.09	0.8079	0.11 <	0.18	0.04	0.18 <	0.30	TiO2	0.01
Mn K	0.00	0.8085	0.00	0.00	0.00			MnO	0.00
Fe K	4.01	0.8257	4.86	0.44	1.27	6.25	0.57	FeO	0.41
Cu K	0.10	0.7929	0.13 <	0.34	0.03	0.16 <	0.43	CuO	0.01
As L	1.53	1.0469	1.46	0.46	0.29	1.93	0.61	As2O3	0.09
Pb M	1.10	0.7320	1.51	1.00	0.11	1.63	1.08	PbO	0.04
Total			136.16+/- 3.08		CompSum	102.69+/- 2.31		CatSum	8.14
								An.Sum	24.00

Inferred phases: silicate glass

Table S85

Spectrum: 5 19-Sep-2013 06:55 PM

Energy Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1 44.96	392835	131759	100.00/130.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	46.37	0.8649	53.61	2.34	69.03	12.91	3.25	O	24.00
Na K	0.76	0.7833	0.96	0.32	0.86	1.29	0.43	Na2O	0.30
Mg K	0.03	0.7272	0.04 <	0.22	0.03	0.07 <	0.36	MgO	0.01
Al K	5.54	0.8219	6.73	0.34	5.14	12.72	0.64	Al2O3	1.79
Si K	19.08	0.8327	22.91	0.54	16.81	49.01	1.16	SiO2	5.84
P K	0.38	0.9364	0.40	0.18	0.27	0.92	0.41	P2O5	0.09
S K	2.08	0.7922	2.63	0.26	1.69	6.57	0.65	SO3	0.59
K K	5.91	1.0067	5.87	0.30	3.09	7.07	0.36	K2O	1.07
Ca K	0.06	0.9332	0.06 <	0.16	0.03	0.08 <	0.22	CaO	0.01
Ti K	0.13	0.8128	0.16 <	0.18	0.07	0.27 <	0.30	TiO2	0.02
Mn K	0.06	0.8153	0.07 <	0.20	0.03	0.09 <	0.26	MnO	0.01
Fe K	5.36	0.8336	6.43	0.50	2.37	8.27	0.64	FeO	0.82
Cu K	0.23	0.7992	0.28 <	0.36	0.09	0.35 <	0.45	CuO	0.03
As L	1.57	1.0518	1.49	0.44	0.41	1.97	0.58	As2O3	0.14
Pb M	0.50	0.7275	0.68 <	0.98	0.07	0.73 <	1.06	PbO	0.02
Total			102.34+/-	2.80	CompSum	89.41+/-	2.25	CatSum	10.76
								An.Sum	24.00

Inferred phases: silicate glass

Table S86

Spectrum: 6 19-Sep-2013 06:58 PM

Energy Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1 44.96	392835	95066	100.00/121.71	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	3.41	0.8286	4.12	0.68	25.18
Na K	0.09	0.4668	0.20	0.20	0.85
Mg K	0.00	0.4645	0.00	0.00	0.00
Al K	0.12	0.5917	0.20	0.12	0.74
Si K	0.64	0.7217	0.89	0.14	3.08
P K	0.00	1.0853	0.00	0.00	0.00
S K	4.08	0.9092	4.49	0.30	13.67
K K	3.02	1.0855	2.78	0.20	6.95
Ca K	0.04	1.0226	0.04 <	0.14	0.10
Ti K	0.21	0.9335	0.22	0.16	0.45
Mn K	0.02	0.9212	0.03 <	0.20	0.05
Fe K	24.68	0.9484	26.02	0.82	45.55
Cu K	1.27	0.8617	1.47	0.44	2.26
As L	0.01	0.6833	0.01 <	0.22	0.02
Pb M	1.96	0.8328	2.35	1.00	1.11
Total			42.82+/-	1.63	

Low total

Inferred phases: unidentified Fe-Cu-S-O phase, silicate glass

Table S87

Spectrum: 7 19-Sep-2013 07:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	144244	100.00/134.33	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.36	0.7464	48.70	2.46	71.28	18.27	3.74	O	24.00
Na K	0.72	0.6829	1.06	0.40	1.08	1.43	0.54	Na2O	0.36
Mg K	0.14	0.6420	0.21 <	0.24	0.21	0.35 <	0.40	MgO	0.07
Al K	1.19	0.7644	1.55	0.24	1.35	2.93	0.45	Al2O3	0.45
Si K	4.31	0.8671	4.97	0.30	4.14	10.63	0.64	SiO2	1.39
P K	0.11	1.2123	0.09 <	0.16	0.07	0.21 <	0.37	P2O5	0.02
S K	9.15	0.9527	9.61	0.48	7.02	24.00	1.20	SO3	2.36
K K	9.50	0.9968	9.53	0.38	5.71	11.48	0.46	K2O	1.92
Ca K	0.91	0.9201	0.99	0.24	0.58	1.39	0.34	CaO	0.20
Ti K	0.40	0.8201	0.49	0.22	0.24	0.82	0.37	TiO2	0.08
Mn K	0.00	0.8464	0.00	0.00	0.00			MnO	0.00
Fe K	12.83	0.8720	14.71	0.70	6.17	18.92	0.90	FeO	2.08
Cu K	0.53	0.8430	0.63	0.46	0.23	0.79	0.58	CuO	0.08
As L	0.11	0.9334	0.11 <	0.46	0.04	0.15 <	0.61	As2O3	0.01
Pb M	14.54	0.8667	16.77	1.70	1.90	18.06	1.83	PbO	0.64
Total			109.43+/-	3.28	CompSum	91.15+/-	2.82	CatSum	9.68
								An.Sum	24.00

Inferred phases: unidentified Pb-Fe-K sulfate, silicate glass

Table S88

Spectrum: 8 19-Sep-2013 07:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	44.96	392835	118392	100.00/127.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	11.81	0.6375	18.53	1.74	57.84	-1.18 <	2.90	O	24.00
Na K	0.21	0.6464	0.32	0.28	0.70	0.43	0.38	Na2O	0.29
Mg K	0.03	0.6143	0.05 <	0.16	0.10	0.08 <	0.27	MgO	0.04
Al K	0.23	0.7417	0.31	0.14	0.58	0.59	0.26	Al2O3	0.24
Si K	0.81	0.8650	0.94	0.16	1.67	2.01	0.34	SiO2	0.69
P K	0.01	1.2692	0.01 <	0.12	0.01	0.02 <	0.27	P2O5	0.00
S K	7.15	0.9884	7.23	0.40	11.26	18.05	1.00	SO3	4.67
K K	7.81	0.9976	7.83	0.34	10.00	9.43	0.41	K2O	4.15
Ca K	0.79	0.9147	0.87	0.22	1.08	1.22	0.31	CaO	0.45
Ti K	0.17	0.8312	0.20	0.18	0.21	0.33	0.30	TiO2	0.09

Mn K	0.00	0.8721	0.00 <	0.22	0.00	0.00 <	0.28	MnO	0.00
Fe K	13.02	0.9025	14.43	0.68	12.91	18.56	0.87	FeO	5.36
Cu K	0.51	0.8720	0.58	0.42	0.46	0.73	0.53	CuO	0.19
As L	0.03	0.8948	0.03 <	0.32	0.02	0.04 <	0.42	As2O3	0.01
Pb M	11.76	0.8985	13.09	1.40	3.16	14.10	1.51	PbO	1.31
Total			64.43+/- 2.51	CompSum		65.60+/- 2.32		CatSum	17.49
								An.Sum	24.00

Inferred phases: unidentified Pb-Fe-K sulfate, silicate glass

Table S89

Site: F9-1
Spectrum: 1 1-Okt-2013 03:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	135160	70.00/104.38	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.49	0.4814	5.16	1.42	33.28	-0.36 <	4.14	O	12.21
Na K	0.00	0.8322	0.00	0.00	0.00			Na2O	0.00
Al K	0.07	0.8865	0.08 <	0.20	0.29	0.15 <	0.38	Al2O3	0.11
Si K	0.27	1.0468	0.26	0.20	0.94	0.56	0.43	SiO2	0.34
S K	0.00	1.1460	0.00	0.00	0.00			SO3	0.00
Cl K	7.35	0.6653	11.05	0.70	32.13	11.05	0.70	Cl	11.79
K K	0.10	0.8448	0.12 <	0.24	0.31	0.14 <	0.29	K2O	0.11
Ca K	0.21	0.8553	0.25 <	0.28	0.64	0.35 <	0.39	CaO	0.23
Fe K	0.22	1.0387	0.21 <	0.40	0.38	0.27 <	0.51	FeO	0.14
Pb M	61.91	1.0420	59.41	2.94	29.57	64.00	3.17	PbO	10.85
Total			78.94+/- 3.83	CompSum		68.26+/- 3.89		CatSum	12.69
								An.Sum	24.00

Inferred phases: Pb-O-Cl phase

Table S90

Spectrum: 2 1-Okt-2013 03:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	151399	70.00/109.63	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.11	0.4760	10.73	2.02	38.93	3.06 <	5.09	O	12.84
Na K	0.73	0.8538	0.85	0.46	2.15	1.15	0.62	Na2O	0.71
Al K	0.37	0.8915	0.42	0.24	0.89	0.79	0.45	Al2O3	0.29
Si K	0.44	1.0366	0.43	0.24	0.89	0.92	0.51	SiO2	0.29
S K	0.39	1.1269	0.35 <	0.64	0.63	0.87 <	1.60	SO3	0.21
Cl K	14.49	0.7015	20.66	0.86	33.82	20.66	0.86	Cl	11.16
K K	1.12	0.8480	1.32	0.32	1.96	1.59	0.39	K2O	0.65
Ca K	0.37	0.8505	0.43	0.32	0.63	0.60	0.45	CaO	0.21
Fe K	0.00	0.9958	0.00	0.00	0.00			FeO	0.00
Pb M	66.19	1.0200	64.89	3.20	18.18	69.90	3.45	PbO	6.00
Total			103.44+/- 4.54	CompSum		79.72+/- 4.67		CatSum	8.99
								An.Sum	24.00

Inferred phases: Pb-O-Cl phase

Table S91

Spectrum: 4 1-Okt-2013 03:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	107514	70.00/95.94	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.53	0.5073	8.93	1.62	53.44	5.40	3.46	O	16.19
Na K	0.18	0.8325	0.22 <	0.34	0.91	0.30 <	0.46	Na2O	0.28
Al K	0.34	0.8778	0.38	0.20	1.36	0.72	0.38	Al2O3	0.41
Si K	0.21	1.0128	0.21	0.18	0.72	0.45	0.39	SiO2	0.22
S K	0.00	1.1034	0.00	0.00	0.00			SO3	0.00
Cl K	6.85	0.7172	9.55	0.58	25.78	9.55	0.58	Cl	7.81
K K	0.40	0.8594	0.47	0.24	1.15	0.57	0.29	K2O	0.35
Ca K	0.26	0.8579	0.30	0.22	0.72	0.42	0.31	CaO	0.22
Fe K	0.52	0.9732	0.53	0.32	0.91	0.68	0.41	FeO	0.28
Ru L	1.42	0.8338	1.70	1.46	1.61	1.97	1.69	RuO	0.49
Pb M	28.94	0.9981	28.99	2.20	13.39	31.23	2.37	PbO	4.06
Total			51.29+/-	3.21	CompSum	36.33+/-	3.05	CatSum	6.29
								An.Sum	24.00

Table S92

Inferred phases: Pb-O-Cl phase

Spectrum: 5 1-Okt-2013 03:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	103878	70.00/94.93	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.33	0.4775	34.20	2.70	65.79	10.81	3.99	O	23.90
Na K	4.64	0.7987	5.80	0.56	7.77	7.82	0.75	Na2O	2.82
Al K	0.01	0.7902	0.01 <	0.16	0.02	0.02 <	0.30	Al2O3	0.01
Si K	0.33	0.8993	0.36	0.16	0.40	0.77	0.34	SiO2	0.15
S K	11.38	1.0062	11.31	0.50	10.86	28.24	1.25	SO3	3.94
Cl K	0.27	0.8605	0.32	0.18	0.28	0.32	0.18	Cl	0.10
K K	18.64	1.0255	18.18	0.58	14.31	21.90	0.70	K2O	5.20
Ca K	0.06	0.8629	0.07 <	0.24	0.05	0.10 <	0.34	CaO	0.02
Fe K	0.00	0.8274	0.00	0.00	0.00			FeO	0.00
Ru L	0.57	0.7493	0.76 <	0.82	0.23	0.88 <	0.95	RuO	0.08
Pb M	1.82	0.9030	2.02 <	2.04	0.30	2.18 <	2.20	PbO	0.11
Total			73.03+/-	3.63	CompSum	61.90+/-	2.94	CatSum	12.33
								An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S93

Spectrum: 6 1-Okt-2013 03:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	108480	70.00/96.23	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.80	0.4924	44.28	2.96	66.44	14.83	4.33	O	23.95
Na K	6.49	0.7978	8.14	0.64	8.50	10.97	0.86	Na2O	3.06
Al K	0.00	0.7806	0.00	0.00	0.00			Al2O3	0.00
Si K	0.09	0.8902	0.10 <	0.14	0.08	0.21 <	0.30	SiO2	0.03
S K	14.53	1.0032	14.49	0.54	10.85	36.18	1.35	SO3	3.91

Cl	K	0.18	0.8618	0.21	0.18	0.14	0.21	Cl	0.05
K	K	22.65	1.0273	22.05	0.62	13.53	26.56	K2O	4.88
Ca	K	0.04	0.8669	0.05 <	0.26	0.03	0.07 < 0.36	CaO	0.01
Fe	K	0.00	0.8255	0.00	0.00	0.00		FeO	0.00
Ru	L	0.69	0.7464	0.92	0.86	0.22	1.07	1.00	RuO	0.08
Pb	M	1.63	0.9005	1.81 <	2.20	0.21	1.95 < 2.37	PbO	0.08
Total				92.05+/- 3.94	CompSum	77.01+/- 3.15		CatSum	12.05
								An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S94

Spectrum: 7 1-Okt-2013 03:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	104927	70.00/94.89	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	13.46	0.4309	31.21	2.74	59.64	2.77 <	4.15	O	23.98
Na	K	5.33	0.8126	6.57	0.56	8.73	8.86	0.75	Na2O	3.51
Al	K	0.00	0.7955	0.00	0.00	0.00			Al2O3	0.00
Si	K	0.04	0.9063	0.05 <	0.14	0.05	0.11 < 0.30		SiO2	0.02
S	K	14.30	1.0185	14.04	0.54	13.39	35.06	1.35	SO3	5.38
Cl	K	0.04	0.8528	0.05 <	0.18	0.04	0.05 < 0.18		Cl	0.02
K	K	22.07	1.0230	21.57	0.64	16.87	25.98	0.77	K2O	6.78
Ca	K	0.17	0.8530	0.20 <	0.26	0.15	0.28 < 0.36		CaO	0.06
Fe	K	0.69	0.8323	0.83	0.32	0.46	1.07	0.41	FeO	0.18
Ru	L	0.84	0.7424	1.13	0.86	0.34	1.31	1.00	RuO	0.14
Pb	M	2.05	0.9133	2.24	2.14	0.33	2.41	2.31	PbO	0.13
Total				77.89+/- 3.75	CompSum	75.07+/- 3.11			CatSum	16.21
									An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S95

Site: F9-2

Spectrum: 2 1-Okt-2013 05:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	145998	70.00/107.83	6	20.00

Peaks Omited: 5.060, 7.020 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	6.43	0.3156	20.37	3.22	62.50	6.53	3.84	O	23.07
S	K	6.71	1.0290	6.52	0.40	9.98	16.28	1.00	SO3	3.68
Cl	K	1.15	1.0053	1.14	0.28	1.58	1.14	0.28	Cl	0.58
Br	L	0.98	0.6468	1.51	0.56	0.93	1.51	0.56	Br	0.34
Ag	L	48.56	0.8832	54.98	1.72	25.01	59.06	1.85	Ag2O	9.23
Total				84.53+/- 3.73	CompSum	75.34+/- 2.10			CatSum	12.92
									An.Sum	24.00

Inferred phases: Ag2S

Table S96

Spectrum: 3 1-Okt-2013 05:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 45.31 394107 111126 70.00/97.30 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.20	0.2832	7.76	1.96	47.09	-2.00 <	2.65	O	23.22
S K	4.68	1.0568	4.43	0.32	13.40	11.06	0.80	SO3	6.61
Cl K	0.60	1.0342	0.58	0.22	1.58	0.58	0.22	Cl	0.78
Ag L	38.30	0.9090	42.14	1.48	37.92	45.27	1.59	Ag2O	18.70
Total			54.91+/- 2.49	CompSum		56.33+/- 1.78		CatSum	25.31
								An.Sum	24.00

Inferred phases: Ag2S

Table S97

Spectrum: 4 1-Okt-2013 05:07 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 109296 70.00/96.88 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.12	0.3403	18.00	2.78	67.29	12.05	3.28	O	21.38
Si K	0.34	0.8364	0.40	0.18	0.86	0.86	0.39	SiO2	0.27
S K	1.82	1.0157	1.79	0.24	3.34	4.47	0.60	SO3	1.06
Cl K	4.36	1.0230	4.26	0.32	7.19	4.26	0.32	Cl	2.28
K K	0.73	1.1636	0.63	0.32	0.96	0.76	0.39	K2O	0.31
Fe K	0.62	0.9018	0.69	0.34	0.74	0.89	0.44	FeO	0.24
Br L	0.91	0.6530	1.39	0.50	1.04	1.39	0.50	Br	0.33
Ag L	28.84	0.8607	33.51	1.38	18.58	36.00	1.48	Ag2O	5.90
Total			60.67+/- 3.21	CompSum		42.97+/- 1.74		CatSum	7.78
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S98

Spectrum: 5 1-Okt-2013 05:09 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 135977 70.00/104.17 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.11	0.3294	27.65	3.42	68.00	13.33	4.04	O	23.27
S K	6.80	1.0281	6.61	0.40	8.11	16.50	1.00	SO3	2.78
Cl K	1.49	1.0077	1.47	0.30	1.64	1.47	0.30	Cl	0.56
Br L	0.66	0.6443	1.03	0.58	0.50	1.03	0.58	Br	0.17
Ag L	52.53	0.8808	59.64	1.78	21.75	64.06	1.91	Ag2O	7.44
Total			96.40+/- 3.93	CompSum		80.57+/- 2.16		CatSum	10.22
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S99

Spectrum: 6 1-Okt-2013 05:12 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 147923 70.00/108.21 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	3.34	0.2800	11.94	2.88	42.75	-5.01	3.72	O	21.95
S K	8.06	1.0556	7.63	0.42	13.64	19.05	1.05	SO3	7.00
Cl K	2.27	1.0350	2.19	0.34	3.54	2.19	0.34	Cl	1.82
Br L	0.41	0.6408	0.64	0.56	0.46	0.64	0.56	Br	0.24
Ag L	67.41	0.9043	74.55	1.96	39.60	80.08	2.11	Ag2O	20.33
Total			96.95+/- 3.57	CompSum		99.13+/- 2.35		CatSum	27.33
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S100

Spectrum: 7 1-Okt-2013 05:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	155948	70.00/110.78	6	20.00

Peak omited: 11.191 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.42	0.2725	8.87	3.00	33.00	-13.12	3.92	O	22.15
S K	11.35	1.0610	10.70	0.50	19.84	26.72	1.25	SO3	13.32
Cl K	1.38	1.0207	1.35	0.32	2.27	1.35	0.32	Cl	1.52
Br L	0.42	0.6436	0.65	0.60	0.48	0.65	0.60	Br	0.32
Ag L	72.66	0.9024	80.52	2.04	44.40	86.49	2.19	Ag2O	29.81
Total			102.09+/- 3.72	CompSum		113.21+/- 2.52		CatSum	43.13
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S101

Spectrum: 8 1-Okt-2013 05:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	133621	70.00/103.56	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.68	0.3102	18.32	2.92	57.38	10.51	3.62	O	19.70
Si K	0.24	0.8403	0.29	0.20	0.51	0.62	0.43	SiO2	0.18
S K	2.16	1.0339	2.09	0.28	3.26	5.22	0.70	SO3	1.12
Cl K	8.47	1.0481	8.09	0.44	11.43	8.09	0.44	Cl	3.93
Fe K	0.90	0.9178	0.99	0.44	0.88	1.27	0.57	FeO	0.30
Br L	1.12	0.6503	1.72	0.56	1.08	1.72	0.56	Br	0.37
Ag L	47.64	0.8691	54.81	1.76	25.46	58.87	1.89	Ag2O	8.74
Total			86.30+/- 3.53	CompSum		65.99+/- 2.14		CatSum	10.34
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S102

Spectrum: 9 1-Okt-2013 05:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	135986	70.00/104.28	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.12	0.3000	17.06	2.98	55.73	8.47	3.67	O	20.13
Si K	0.22	0.8437	0.26	0.22	0.48	0.56	0.47	SiO2	0.17
S K	2.70	1.0408	2.59	0.30	4.22	6.47	0.75	SO3	1.52
Cl K	7.03	1.0533	6.68	0.42	9.84	6.68	0.42	Cl	3.55
Br L	0.87	0.6478	1.34	0.56	0.88	1.34	0.56	Br	0.32
Ag L	52.55	0.8824	59.55	1.82	28.85	63.97	1.95	Ag2O	10.42
Total			87.49+/- 3.58		CompSum	70.99+/- 2.15		CatSum	12.12
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S103

Spectrum: 10 1-Okt-2013 05:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	127943	70.00/101.77	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	16.46	0.6192	26.58	2.86	25.85
F K	18.39	0.2857	64.37	2.82	52.72
Na K	0.98	0.6314	1.56	0.50	1.05
Si K	12.06	0.8495	14.20	0.52	7.86
S K	1.73	0.9062	1.91	0.26	0.93
Cl K	0.68	0.9237	0.74	0.22	0.32
K K	27.78	1.0879	25.54	0.66	10.16
Fe K	0.95	0.8453	1.13	0.38	0.31
Br L	0.44	0.6559	0.67	0.50	0.13
Ag L	3.74	0.8138	4.59	0.72	0.66
Total			141.28+/- 4.26		

Inferred phases: K2SiF6

Table S104

Spectrum: 11 1-Okt-2013 05:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	133533	70.00/103.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	8.01	0.3412	23.47	3.42	54.26	11.25	4.07	O	17.79
F K	1.13	0.1575	7.20	1.68	14.02	7.20	1.68	F	4.60
Si K	1.23	0.8359	1.47	0.28	1.93	3.14	0.60	SiO2	0.63
S K	4.17	1.0085	4.14	0.36	4.77	10.34	0.90	SO3	1.56
Cl K	3.85	1.0096	3.82	0.36	3.98	3.82	0.36	Cl	1.30
K K	1.87	1.1729	1.59	0.40	1.51	1.92	0.48	K2O	0.50
Br L	1.31	0.6498	2.02	0.62	0.94	2.02	0.62	Br	0.31
Ag L	47.13	0.8689	54.24	1.74	18.59	58.26	1.87	Ag2O	6.10
Total			97.94+/- 4.29		CompSum	73.66+/- 2.21		CatSum	8.79
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br), K2SiF6

Table S105

Spectrum: 12 1-Okt-2013 05:25 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 126709 70.00/101.53 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.72	0.3503	27.76	3.32	69.80	14.04	3.94	O	22.90
Si K	0.21	0.8426	0.24	0.22	0.35	0.51	0.47	SiO2	0.11
S K	6.57	1.0188	6.45	0.40	8.10	16.11	1.00	SO3	2.66
Cl K	2.42	0.9895	2.45	0.32	2.78	2.45	0.32	Cl	0.91
Fe K	0.82	0.8968	0.92	0.40	0.66	1.18	0.51	FeO	0.22
Br L	0.75	0.6496	1.16	0.62	0.58	1.16	0.62	Br	0.19
Ag L	40.92	0.8606	47.55	1.62	17.73	51.08	1.74	Ag2O	5.82
Total			86.53+/- 3.81		CompSum	68.88+/- 2.12		CatSum	8.80
								An.Sum	24.00

Inferred phases: Ag2S, Ag(Cl,Br)

Table S106

Spectrum: 13 1-Okt-2013 05:28 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 93264 70.00/91.91 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.89	0.7365	22.94	1.96	76.84	16.78	2.43	O	23.16
S K	0.76	0.9223	0.82	0.20	1.38	2.05	0.50	SO3	0.42
Cl K	0.97	0.9422	1.03	0.22	1.56	1.03	0.22	Cl	0.47
K K	0.44	1.1245	0.39	0.22	0.54	0.47	0.27	K2O	0.16
Fe K	13.07	0.8905	14.67	0.80	14.08	18.87	1.03	FeO	4.24
Br L	1.06	0.5770	1.84	0.52	1.23	1.84	0.52	Br	0.37
Ag L	7.33	0.8345	8.79	0.76	4.37	9.44	0.82	Ag2O	1.32
Total			50.49+/- 2.34		CompSum	30.83+/- 1.43		CatSum	6.14
								An.Sum	24.00

Inferred phases: Fe2O3, Ag2S, Ag(Cl,Br)

Table S107

Spectrum: 14 1-Okt-2013 05:30 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 103380 70.00/94.88 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.22	1.5053	24.73	1.32	63.20	10.16	2.34	O	24.00
Na K	0.35	0.4168	0.84	0.48	1.49	1.13	0.65	Na2O	0.57
S K	0.41	0.8835	0.46	0.20	0.59	1.15	0.50	SO3	0.22
Fe K	43.77	0.9230	47.42	1.36	34.72	61.01	1.75	FeO	13.18
Total			73.45+/- 1.97		CompSum	63.29+/- 1.93		CatSum	13.97
								An.Sum	24.00

Inferred phases: Fe2O3, Na2SO4

Table S108

Spectrum: 15 1-Okt-2013 05:32 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 88596 70.00/90.72 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.99	1.3848	15.13	1.10	72.62	8.92	1.74	O	24.00
Na K	0.48	0.4745	1.01	0.46	3.36	1.36	0.62	Na2O	1.11
Al K	0.13	0.5919	0.22	0.20	0.64	0.42	0.38	Al2O3	0.21
S K	0.82	0.8973	0.92	0.20	2.19	2.30	0.50	SO3	0.72
K K	0.71	1.1118	0.64	0.16	1.25	0.77	0.19	K2O	0.41
Fe K	12.85	0.8869	14.49	0.78	19.93	18.64	1.00	FeO	6.59
Total			32.41+/- 1.46		CompSum	23.49+/- 1.35		CatSum	9.05
								An.Sum	24.00

Inferred phases: Fe2O3, (Na,K)2SO4

Table S109

Spectrum: 16 1-Okt-2013 05:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	100006	70.00/93.76	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.56	0.7756	27.82	2.14	75.74	20.41	2.74	O	23.05
Na K	0.43	0.5421	0.80	0.48	1.51	1.08	0.65	Na2O	0.46
S K	0.64	0.8904	0.71	0.22	0.97	1.77	0.55	SO3	0.30
Cl K	0.34	0.9214	0.37	0.18	0.45	0.37	0.18	Cl	0.14
K K	0.47	1.1213	0.42	0.22	0.47	0.51	0.27	K2O	0.14
Fe K	16.49	0.8962	18.40	0.90	14.35	23.67	1.16	FeO	4.37
Br L	2.83	0.5811	4.87	0.68	2.66	4.87	0.68	Br	0.81
Ag L	7.92	0.8305	9.54	0.82	3.85	10.25	0.88	Ag2O	1.17
Total			62.93+/- 2.62		CompSum	37.28+/- 1.71		CatSum	6.44
								An.Sum	24.00

Inferred phases: Fe2O3, (Na,K)2SO4, Ag(Br,Cl)

Table S110

Spectrum: 17 1-Okt-2013 05:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.31	394107	78232	70.00/87.79	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.44	0.4306	5.68	1.38	71.05	3.36	1.63	O	21.96
Na K	0.26	0.7441	0.35	0.22	3.05	0.47	0.30	Na2O	0.94
S K	1.04	0.9125	1.14	0.20	7.11	2.85	0.50	SO3	2.20
Cl K	0.19	0.8962	0.22	0.14	1.22	0.22	0.14	Cl	0.38
K K	0.93	1.0927	0.85	0.20	4.36	1.02	0.24	K2O	1.35
Br L	1.51	0.7043	2.14	0.40	5.37	2.14	0.40	Br	1.66
Ag L	3.40	0.8049	4.23	0.56	7.84	4.54	0.60	Ag2O	2.42
Total			14.61+/- 1.59		CompSum	8.89+/- 0.87		CatSum	6.91
								An.Sum	24.00

Inferred phases: Ag(Br,Cl), (Na,K)2SO4

Table S111

Spectrum: 18 1-Okt-2013 05:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 45.31 394107 140470 70.00/106.06 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.25	0.2912	14.60	3.00	51.41	6.12	3.68	O	19.85
S K	2.59	1.0409	2.49	0.30	4.38	6.22	0.75	SO3	1.69
Cl K	6.24	1.0596	5.89	0.40	9.36	5.89	0.40	Cl	3.61
Br L	1.27	0.6449	1.96	0.60	1.38	1.96	0.60	Br	0.53
Ag L	57.31	0.8942	64.09	1.86	33.47	68.84	2.00	Ag2O	12.92
Total			89.04+/- 3.62	CompSum		75.06+/- 2.13		CatSum	14.62
								An.Sum	24.00

Inferred phases: Ag(Cl,Br), Ag2S

Table S112

Spectrum: 19 1-Okt-2013 05:40 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.31 394107 126205 70.00/101.41 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.43	0.3158	17.19	2.80	56.32	12.33	3.45	O	18.50
Na K	0.57	0.6564	0.86	0.42	1.97	1.16	0.57	Na2O	0.65
S K	0.51	1.0286	0.49	0.22	0.81	1.22	0.55	SO3	0.27
Cl K	10.83	1.0548	10.27	0.48	15.18	10.27	0.48	Cl	4.99
Fe K	0.87	0.9159	0.95	0.40	0.89	1.22	0.51	FeO	0.29
Br L	1.56	0.6533	2.38	0.58	1.56	2.38	0.58	Br	0.51
Ag L	40.96	0.8549	47.91	1.66	23.28	51.46	1.78	Ag2O	7.65
Total			80.05+/- 3.40	CompSum		55.07+/- 2.02		CatSum	8.85
								An.Sum	24.00

Inferred phases: Ag(Cl,Br), (Na)2SO4

Table S113

Site: F9-3
Spectrum: 1 1-Okt-2013 06:28 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.51 393826 123417 70.00/100.64 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	42.22	1.4883	28.37	1.46	59.35	9.01	2.70	O	24.00
F K	0.00	0.3557	0.00	0.00	0.00			F	0.00
Na K	0.10	0.4047	0.25 <	0.44	0.37	0.34 <	0.59	Na2O	0.15
Si K	0.00	0.6713	0.00 <	0.20	0.00	0.00 <	0.43	SiO2	0.00
S K	0.03	0.8812	0.04 <	0.20	0.04	0.10 <	0.50	SO3	0.02
K K	0.13	1.1557	0.11 <	0.18	0.09	0.13 <	0.22	K2O	0.04
Mn K	0.57	0.9147	0.63	0.34	0.38	0.81	0.44	MnO	0.15

Fe K	61.93	0.9335	66.35	1.58	39.77	85.36	2.03	FeO	16.08
Total			95.74+/- 2.25	CompSum		86.74+/- 2.27		CatSum	16.44
								An.Sum	24.00

Inferred phases: Fe2O3

Table S114

Spectrum: 2 1-Okt-2013 06:30 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	120302	70.00/99.67	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.83	1.5118	30.31	1.52	65.79	14.35	2.56	O	24.00
F K	0.00	0.3092	0.00	0.00	0.00			F	0.00
Na K	0.25	0.4198	0.59	0.52	0.89	0.80	0.70	Na2O	0.32
Si K	0.00	0.6837	0.00	0.00	0.00			SiO2	0.00
S K	0.40	0.8860	0.45	0.20	0.49	1.12	0.50	SO3	0.18
K K	0.26	1.1438	0.22	0.16	0.20	0.27	0.19	K2O	0.07
Mn K	0.26	0.9004	0.29	0.28	0.18	0.37	0.36	MnO	0.07
Fe K	47.93	0.9184	52.19	1.42	32.45	67.14	1.83	FeO	11.84
Total			84.05+/- 2.18	CompSum		69.70+/- 2.06		CatSum	12.48
								An.Sum	24.00

Inferred phases: Fe2O3

Table S115

Spectrum: 3 1-Okt-2013 06:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	130982	70.00/102.91	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	54.48	1.5543	35.05	1.62	69.16	19.31	2.66	O	24.00
F K	0.00	0.2904	0.00	0.00	0.00			F	0.00
Na K	0.13	0.4234	0.31 <	0.56	0.42	0.42 <	0.75	Na2O	0.15
Si K	0.05	0.6886	0.07 <	0.22	0.08	0.15 <	0.47	SiO2	0.03
S K	0.19	0.8872	0.22	0.20	0.21	0.55	0.50	SO3	0.07
K K	0.22	1.1413	0.20	0.18	0.16	0.24	0.22	K2O	0.06
Mn K	0.14	0.8948	0.15 <	0.28	0.09	0.19 <	0.36	MnO	0.03
Fe K	48.21	0.9123	52.84	1.40	29.87	67.98	1.80	FeO	10.37
Total			88.84+/- 2.26	CompSum		69.53+/- 2.11		CatSum	10.70
								An.Sum	24.00

Inferred phases: Fe2O3

Table S116

Spectrum: 4 1-Okt-2013 06:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	139539	70.00/105.37	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	5.25	0.4836	10.85	2.22	14.04

F	K	16.09	0.3052	52.70	2.44	57.43
Na	K	0.29	0.6540	0.45	0.36	0.40
Si	K	11.71	0.8824	13.28	0.50	9.79
S	K	0.55	0.9166	0.60	0.20	0.38
K	K	37.15	1.1021	33.71	0.74	17.85
Mn	K	0.13	0.8207	0.15 <	0.26	0.06
Fe	K	0.09	0.8432	0.10 <	0.28	0.04
Total				111.83+/- 3.46		

Inferred phases: K2SiF6

Table S117

Spectrum: 5 1-Okt-2013 06:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	116912	70.00/98.57	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.65	1.3093	26.47	1.52	69.72	15.37	2.31	O	23.10
F K	0.30	0.2418	1.23 <	1.92	2.73	1.23 <	1.92	F	0.90
Na K	0.65	0.4704	1.37	0.54	2.51	1.85	0.73	Na2O	0.83
Si K	0.52	0.7209	0.72	0.22	1.07	1.54	0.47	SiO2	0.35
S K	1.01	0.8965	1.13	0.22	1.49	2.82	0.55	SO3	0.49
K K	2.28	1.1176	2.04	0.22	2.20	2.46	0.27	K2O	0.73
Mn K	0.29	0.8706	0.34	0.24	0.26	0.44	0.31	MnO	0.09
Fe K	23.56	0.8881	26.52	1.04	20.01	34.12	1.34	FeO	6.63
Total			59.82+/- 2.75		CompSum	43.22+/- 1.73		CatSum	9.12
								An.Sum	24.00

Inferred phases: Fe2O3, K2SiF6

Table S118

Spectrum: 8 1-Okt-2013 06:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	116651	70.00/98.66	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	38.95	1.4350	27.14	1.48	67.88	13.96	2.41	O	24.00
F K	0.00	0.2855	0.00	0.00	0.00			F	0.00
Na K	0.45	0.4356	1.03	0.58	1.80	1.39	0.78	Na2O	0.64
Si K	0.07	0.6946	0.11 <	0.20	0.15	0.24 <	0.43	SiO2	0.05
S K	0.73	0.8903	0.82	0.20	1.03	2.05	0.50	SO3	0.36
K K	1.05	1.1344	0.93	0.18	0.95	1.12	0.22	K2O	0.34
Mn K	0.00	0.8903	0.00	0.00	0.00			MnO	0.00
Fe K	35.74	0.9081	39.36	1.24	28.20	50.64	1.60	FeO	9.97
Total			69.39+/- 2.04		CompSum	55.43+/- 1.91		CatSum	11.36
								An.Sum	24.00

Inferred phases: Fe2O3, (Na,K)2SO4

Table S119

Spectrum: 9 1-Okt-2013 06:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.51	393826	94397	70.00/92.23	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.62	1.2668	13.11	1.08	73.18	7.63	1.66	O	24.00
F K	0.00	0.2274	0.00	0.00	0.00			F	0.00
Na K	0.34	0.4815	0.70	0.44	2.73	0.94	0.59	Na2O	0.90
Si K	0.05	0.7286	0.07 <	0.14	0.22	0.15 <	0.30	SiO2	0.07
S K	0.98	0.9066	1.08	0.20	3.02	2.70	0.50	SO3	0.99
K K	1.08	1.1072	0.97	0.18	2.22	1.17	0.22	K2O	0.73
Mn K	0.01	0.8647	0.02 <	0.18	0.03	0.03 <	0.23	MnO	0.01
Fe K	10.26	0.8821	11.64	0.70	18.61	14.97	0.90	FeO	6.10
Total			27.59+/- 1.41	CompSum		19.96+/- 1.27		CatSum	8.80
								An.Sum	24.00

Inferred phases: Fe2O3, (Na,K)2SO4

Table S120

Site: FX-1
Spectrum: 1 1-Okt-2013 07:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	142917	70.00/105.86	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.63	0.4078	4.00	2.08	6.67
Na K	55.00	1.3366	41.15	1.20	47.80
Mg K	0.02	0.5823	0.03 <	0.26	0.03
Al K	0.08	0.7153	0.11 <	0.20	0.11
Si K	0.12	0.8390	0.14 <	0.18	0.13
S K	0.18	1.0236	0.18 <	0.22	0.15
Cl K	58.52	0.9886	59.20	1.02	44.58
K K	0.05	0.8741	0.05 <	0.18	0.04
Ca K	0.20	0.8688	0.23	0.20	0.15
Cr K	0.04	0.8367	0.05 <	0.26	0.03
Fe K	0.13	0.8615	0.15 <	0.30	0.07
Co K	0.21	0.8511	0.25 <	0.32	0.11
Zn K	0.00	0.8484	0.00	0.00	0.00
Cd L	0.34	0.6294	0.53	0.50	0.13
Ba L	0.00	0.7575	0.00	0.00	0.00
Total			106.06+/- 2.75		

Inferred phases: NaCl

Table S121

Spectrum: 2 1-Okt-2013 07:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	133510	70.00/103.35	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.19	0.3624	6.05	2.30	11.35
Na K	34.90	1.1167	31.25	1.18	40.84
Mg K	0.00	0.5984	0.00	0.00	0.00

Al	K	0.08	0.7300	0.11	<	0.20	0.13			
Si	K	0.06	0.8530	0.07	<	0.18	0.07			
S	K	0.13	1.0374	0.12	<	0.20	0.11			
Cl	K	50.60	1.0107	50.07		0.92	42.43			
K	K	2.32	0.9223	2.51		0.40	1.93			
Ca	K	0.18	0.8677	0.21	<	0.24	0.16			
Cr	K	0.00	0.8371	0.00		0.00	0.00			
Fe	K	0.00	0.8698	0.00		0.00	0.00			
Co	K	0.00	0.8622	0.00		0.00	0.00			
Zn	K	0.00	0.8660	0.00		0.00	0.00			
Cd	L	7.41	0.6664	11.12		1.06	2.97			
Ba	L	0.00	0.7487	0.00		0.00	0.00			
Total				101.52+/- 3.00						

Inferred phases: (Na,K,Cd)Cl

Table S122

Spectrum: 4 1-Okt-2013 08:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	115424	70.00/98.09	6	20.00

Peak omited: 11.421 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%		2σ wt%	At%	Comp%		dComp%		Formula	
O	K	18.96	0.9337	20.31		1.98	56.34	-6.15		3.73	O		22.42
Na	K	0.95	0.6123	1.56		0.96	3.00	2.10		1.29	Na2O		1.19
Mg	K	0.09	0.4941	0.19	<	0.34	0.34	0.32	<	0.56	MgO		0.14
Al	K	0.31	0.5695	0.55		0.30	0.90	1.04		0.57	Al2O3		0.36
Si	K	0.25	0.6835	0.36		0.26	0.57	0.77		0.56	SiO2		0.23
S	K	10.90	0.8844	12.33		0.56	17.07	30.79		1.40	SO3		6.79
Cl	K	2.66	0.8405	3.17		0.36	3.97	3.17		0.36	Cl		1.58
K	K	0.39	1.0880	0.36		0.22	0.41	0.43		0.27	K2O		0.16
Ca	K	0.59	1.0675	0.55		0.24	0.61	0.77		0.34	CaO		0.24
Cr	K	0.49	0.8830	0.56		0.42	0.48	0.82		0.61	Cr2O3		0.19
Fe	K	0.42	0.8860	0.48		0.38	0.38	0.62		0.49	FeO		0.15
Co	K	0.02	0.8927	0.02	<	0.40	0.01	0.03	<	0.51	CoO		0.00
Zn	K	4.16	0.9226	4.50		0.90	3.06	5.60		1.12	ZnO		1.22
Cd	L	0.02	0.7895	0.03	<	0.54	0.01	0.03	<	0.62	CdO		0.00
Ba	L	35.13	0.8835	39.76		1.48	12.85	44.39		1.65	BaO		5.11
Total				84.72+/- 3.07			CompSum	87.71+/- 3.16			CatSum		15.79
											An.Sum		24.00

Inferred phases: (Ba,Zn)SO4, NaCl

Table S123

Spectrum: 5 1-Okt-2013 08:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	111748	70.00/97.23	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula	
O	K	13.71	0.7762	17.67	2.06	46.52	-13.87	4.01	O		21.31
Na	K	2.01	0.5945	3.38	1.34	6.19	4.56	1.81	Na2O		2.84
Mg	K	0.00	0.4541	0.00	0.00	0.00			MgO		0.00
Al	K	0.27	0.5515	0.50	0.28	0.77	0.94	0.53	Al2O3		0.35
Si	K	0.15	0.6700	0.23	< 0.24	0.34	0.49	< 0.51	SiO2		0.16

S	K	12.48	0.8721	14.30	0.60	18.80	35.71	1.50	SO3	8.61
Cl	K	4.01	0.8111	4.95	0.42	5.88	4.95	0.42	Cl	2.69
K	K	0.32	1.0387	0.31	0.22	0.33	0.37	0.27	K2O	0.15
Ca	K	0.91	1.0179	0.89	0.24	0.94	1.25	0.34	CaO	0.43
Cr	K	0.89	0.8911	1.00	0.38	0.81	1.46	0.56	Cr2O3	0.37
Fe	K	0.31	0.9080	0.35 <	0.36	0.26	0.45 <	0.46	FeO	0.12
Co	K	0.24	0.9142	0.27 <	0.38	0.19	0.34 <	0.48	CoO	0.09
Zn	K	17.33	0.9059	19.13	1.42	12.33	23.81	1.77	ZnO	5.65
Cd	L	0.00	0.7534	0.00	0.00	0.00			CdO	0.00
Ba	L	18.47	0.8548	21.61	1.18	6.63	24.13	1.32	BaO	3.04
Total				84.58+/- 3.26	CompSum		93.51+/- 3.44		CatSum	21.80
									An.Sum	24.00

Inferred phases: (Zn,Ba)SO4, NaCl

Table S124

Spectrum: 6 1-Okt-2013 08:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	103424	70.00/94.64	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	22.57	0.9323	24.21	2.08	63.21	3.42 <	3.54	O	22.83
Na	K	2.10	0.6240	3.37	0.96	6.12	4.54	1.29	Na2O	2.21
Mg	K	0.04	0.4979	0.08 <	0.30	0.14	0.13 <	0.50	MgO	0.05
Al	K	0.34	0.5828	0.59	0.28	0.91	1.11	0.53	Al2O3	0.33
Si	K	0.15	0.6955	0.22 <	0.24	0.33	0.47 <	0.51	SiO2	0.12
S	K	7.80	0.8880	8.78	0.48	11.44	21.92	1.20	SO3	4.13
Cl	K	2.35	0.8529	2.76	0.32	3.25	2.76	0.32	Cl	1.17
K	K	0.48	1.0822	0.44	0.20	0.47	0.53	0.24	K2O	0.17
Ca	K	1.78	1.0497	1.69	0.26	1.76	2.36	0.36	CaO	0.64
Cr	K	0.82	0.8702	0.95	0.38	0.76	1.39	0.56	Cr2O3	0.27
Fe	K	0.43	0.8731	0.49	0.36	0.37	0.63	0.46	FeO	0.13
Co	K	0.08	0.8754	0.10 <	0.36	0.07	0.13 <	0.46	CoO	0.03
Zn	K	3.99	0.8919	4.47	0.88	2.86	5.56	1.10	ZnO	1.03
Cd	L	0.06	0.7878	0.08 <	0.46	0.03	0.09 <	0.53	CdO	0.01
Ba	L	23.38	0.8585	27.24	1.24	8.28	30.41	1.38	BaO	2.99
Total				75.46+/- 2.97	CompSum		69.29+/- 2.87		CatSum	12.11
									An.Sum	24.00

Inferred phases: (Ba,Zn)SO4, NaCl

Table S125

Spectrum: 7 1-Okt-2013 08:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	112951	70.00/97.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	29.64	0.9885	29.99	2.28	65.11	5.16	3.75	O	22.62
Na	K	1.73	0.6330	2.73	0.92	4.12	3.68	1.24	Na2O	1.43
Mg	K	0.62	0.5138	1.20	0.38	1.72	1.99	0.63	MgO	0.60
Al	K	0.01	0.5869	0.01 <	0.28	0.01	0.02 <	0.53	Al2O3	0.00
Si	K	0.83	0.7040	1.17	0.30	1.45	2.50	0.64	SiO2	0.50
S	K	9.62	0.8872	10.84	0.54	11.74	27.07	1.35	SO3	4.08
Cl	K	3.45	0.8494	4.07	0.36	3.98	4.07	0.36	Cl	1.38
K	K	0.18	1.0744	0.17 <	0.20	0.15	0.20 <	0.24	K2O	0.05
Ca	K	0.43	1.0477	0.41	0.22	0.35	0.57	0.31	CaO	0.12

Cr K	0.50	0.8683	0.58	0.38	0.38	0.85	0.56	Cr2O3	0.13
Fe K	0.38	0.8703	0.44	0.38	0.28	0.57	0.49	FeO	0.10
Co K	0.00	0.8724	0.00	0.00	0.00			CoO	0.00
Zn K	3.04	0.8925	3.41	0.82	1.81	4.24	1.02	ZnO	0.63
Cd L	0.15	0.7822	0.20 <	0.50	0.06	0.23 <	0.57	CdO	0.02
Ba L	30.05	0.8616	34.88	1.38	8.82	38.94	1.54	BaO	3.06
Total			90.08+/- 3.16		CompSum	80.87+/- 2.98		CatSum	10.73
								An.Sum	24.00

Inferred phases: (Zn,Ba)SO4, NaCl, silicate glass

Table S126

Spectrum: 8 1-Okt-2013 08:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	86497	70.00/90.13	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.26	0.5100	14.24	2.06	49.11	-2.63 <	2.93	O	20.18
Na K	0.67	0.7183	0.93	0.56	2.24	1.25	0.75	Na2O	0.92
Mg K	0.20	0.6273	0.31	0.22	0.71	0.51	0.36	MgO	0.29
Al K	3.25	0.7456	4.36	0.34	8.91	8.24	0.64	Al2O3	3.66
Si K	4.16	0.7680	5.42	0.36	10.65	11.60	0.77	SiO2	4.38
S K	0.69	0.8572	0.80	0.22	1.38	2.00	0.55	SO3	0.57
Cl K	5.24	0.8785	5.97	0.38	9.29	5.97	0.38	Cl	3.82
K K	1.72	1.0225	1.68	0.22	2.38	2.02	0.27	K2O	0.98
Ca K	4.93	0.9591	5.14	0.38	7.08	7.19	0.53	CaO	2.91
Cr K	1.68	0.8491	1.98	0.36	2.10	2.89	0.53	Cr2O3	0.86
Fe K	2.02	0.8586	2.36	0.42	2.33	3.04	0.54	FeO	0.96
Co K	0.14	0.8527	0.16 <	0.32	0.15	0.20 <	0.41	CoO	0.06
Zn K	3.36	0.8329	4.04	0.78	3.41	5.03	0.97	ZnO	1.40
Cd L	0.00	0.7438	0.00	0.00	0.00			CdO	0.00
Ba L	0.51	0.7775	0.66	0.50	0.26	0.74	0.56	BaO	0.11
Total			48.04+/- 2.55		CompSum	44.71+/- 2.09		CatSum	17.10
								An.Sum	24.00

Inferred phases: silicate glass, ZnCl2

Table S127

Spectrum: 10 1-Okt-2013 08:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	97015	70.00/92.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	30.88	1.0756	28.70	2.10	65.76	9.68	3.29	O	23.34
Na K	5.81	0.7003	8.30	0.94	13.24	11.19	1.27	Na2O	4.70

Mg K	0.70	0.5196	1.35	0.36	2.03	2.24	0.60	MgO	0.72
Al K	0.07	0.5973	0.12 <	0.24	0.17	0.23 <	0.45	Al2O3	0.06
Si K	1.42	0.7121	2.00	0.28	2.61	4.28	0.60	SiO2	0.93
S K	5.78	0.8736	6.61	0.42	7.56	16.50	1.05	SO3	2.68
Cl K	1.53	0.8481	1.80	0.26	1.86	1.80	0.26	Cl	0.66
K K	0.02	1.0649	0.01 <	0.14	0.01	0.01 <	0.17	K2O	0.00
Ca K	0.58	1.0288	0.56	0.18	0.51	0.78	0.25	CaO	0.18
Cr K	0.06	0.8530	0.07 <	0.28	0.05	0.10 <	0.41	Cr2O3	0.02
Fe K	0.34	0.8537	0.40	0.32	0.26	0.51	0.41	FeO	0.09
Co K	0.11	0.8495	0.13 <	0.32	0.08	0.17 <	0.41	CoO	0.03
Zn K	0.63	0.8588	0.73	0.58	0.41	0.91	0.72	ZnO	0.15
Cd L	0.16	0.7783	0.21 <	0.40	0.07	0.24 <	0.46	CdO	0.02
Ba L	16.87	0.8374	20.15	1.08	5.38	22.50	1.21	BaO	1.91
Total			71.14+/-	2.79	CompSum	59.66+/-	2.53	CatSum	11.49
								An.Sum	24.00

Inferred phases: BaSO4, NaCl, silicate glass

Table S128

Spectrum: 11 1-Okt-2013 08:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
-.1	45.59	393780	89510	70.00/90.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.23	0.4643	26.35	2.78	60.05	0.63 <	3.51	O	23.71
Na K	7.31	0.8111	9.02	0.80	14.30	12.16	1.08	Na2O	5.65
Mg K	0.00	0.6005	0.00	0.00	0.00			MgO	0.00
Al K	0.05	0.7281	0.07 <	0.16	0.09	0.13 <	0.30	Al2O3	0.04
Si K	0.02	0.8406	0.03 <	0.14	0.04	0.06 <	0.30	SiO2	0.02
S K	11.38	0.9700	11.73	0.50	13.34	29.29	1.25	SO3	5.27
Cl K	0.59	0.8317	0.71	0.22	0.73	0.71	0.22	Cl	0.29
K K	0.49	1.0386	0.47	0.20	0.44	0.57	0.24	K2O	0.17
Ca K	10.88	0.9578	11.36	0.50	10.34	15.89	0.70	CaO	4.08
Cr K	0.00	0.8041	0.00	0.00	0.00			Cr2O3	0.00
Fe K	0.02	0.8231	0.02 <	0.26	0.01	0.03 <	0.33	FeO	0.00
Co K	0.00	0.8119	0.00	0.00	0.00			CoO	0.00
Zn K	0.48	0.8039	0.60	0.50	0.33	0.75	0.62	ZnO	0.13
Cd L	0.66	0.7554	0.88	0.50	0.28	1.01	0.57	CdO	0.11
Ba L	0.10	0.7371	0.14 <	0.48	0.04	0.16 <	0.54	BaO	0.02
Total			61.37+/-	3.13	CompSum	60.04+/-	2.14	CatSum	15.48
								An.Sum	24.00

Inferred phases: CaSO4, Na2SO4

Table S129

Site: F10-1

Spectrum: Spectrum 1 11-Okt-2013 02:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	132907	100.00/131.48	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.90	0.4429	40.42	2.96	77.35	6.96	4.09	O	24.00
Na K	0.90	0.7748	1.17	0.34	1.55	1.58	0.46	Na2O	0.48
Cl K	0.01	0.7451	0.01 <	0.24	0.01	0.01 <	0.24	Cl	0.00
Mo L	59.86	0.9060	66.07	1.86	21.09	99.12	2.79	MoO3	6.54
Total			107.67+/-	3.52	CompSum	100.70+/-	2.83	CatSum	7.02
								An.Sum	24.00

Inferred phases: MoO3

Table S130

Spectrum: Spectrum 2 11-Okt-2013 02:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	130616	100.00/130.92	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.60	0.4449	39.56	3.00	77.27	7.07	4.09	O	24.00
Na K	1.07	0.7755	1.38	0.36	1.87	1.86	0.49	Na2O	0.58
Cl K	0.01	0.7457	0.01 <	0.24	0.01	0.01 <	0.24	Cl	0.00
Mo L	57.90	0.9047	63.99	1.82	20.84	96.00	2.73	MoO3	6.47
Total			104.94+/-	3.54	CompSum	97.86+/-	2.77	CatSum	7.05
								An.Sum	24.00

Inferred phases: MoO3

Table S131

Spectrum: Spectrum 3 11-Okt-2013 02:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	127663	100.00/130.43	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.83	0.4567	41.25	2.90	78.70	10.24	3.99	O	23.96
Na K	1.01	0.7709	1.31	0.36	1.74	1.77	0.49	Na2O	0.53
Cl K	0.11	0.7504	0.15 <	0.24	0.13	0.15 <	0.24	Cl	0.04
Mo L	55.00	0.9006	61.07	1.80	19.43	91.62	2.70	MoO3	5.92
Total			103.78+/-	3.44	CompSum	93.39+/-	2.74	CatSum	6.45
								An.Sum	24.00

Inferred phases: MoO3

Table S132

Site: F10-2

Spectrum: 1 11-Okt-2013 03:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	80096	100.00/117.76	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.76	0.9773	17.15	1.36	50.09	-0.84 <	2.20	O	23.81
Na K	2.78	0.5214	5.33	0.56	10.83	7.18	0.75	Na2O	5.15
Mg K	0.21	0.4700	0.45	0.24	0.86	0.75	0.40	MgO	0.41
Al K	0.52	0.5918	0.88	0.22	1.52	1.66	0.42	Al2O3	0.72
Si K	2.78	0.7067	3.94	0.28	6.55	8.43	0.60	SiO2	3.11
S K	0.31	0.8554	0.36	0.16	0.53	0.90	0.40	SO3	0.25
Cl K	0.26	0.8952	0.29	0.14	0.39	0.29	0.14	Cl	0.19
K K	0.08	1.1189	0.07 <	0.12	0.09	0.08 <	0.14	K2O	0.04
Ca K	4.91	1.0611	4.62	0.28	5.39	6.46	0.39	CaO	2.56
Ti K	0.09	0.9077	0.10 <	0.14	0.10	0.17 <	0.23	TiO2	0.05
Mn K	0.19	0.8759	0.22	0.20	0.18	0.28	0.26	MnO	0.09
Fe K	25.15	0.8963	28.05	0.88	23.48	36.09	1.13	FeO	11.16
Total			61.45+/- 1.82		CompSum	62.01+/- 1.73		CatSum	23.55
								An.Sum	24.00

Inferred phases: Fe2O3, silicate glass

Table S133

Spectrum: 3 11-Okt-2013 03:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	95450	100.00/121.45	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.33	0.5702	70.73	3.62	81.71	53.45	3.87	O	24.00
Na K	1.78	0.6661	2.67	0.42	2.15	3.60	0.57	Na2O	0.63
Mg K	0.24	0.6233	0.38	0.20	0.29	0.63	0.33	MgO	0.09
Al K	0.17	0.7443	0.23	0.16	0.16	0.43	0.30	Al2O3	0.05
Si K	3.37	0.8472	3.98	0.26	2.62	8.51	0.56	SiO2	0.77
S K	0.04	0.9412	0.05 <	0.12	0.03	0.12 <	0.30	SO3	0.01
Cl K	0.02	0.9539	0.02 <	0.12	0.01	0.02 <	0.12	Cl	0.00
K K	0.00	1.1535	0.00	0.00	0.00			K2O	0.00
Ca K	28.34	1.0123	27.99	0.60	12.91	39.16	0.84	CaO	3.79
Ti K	0.02	0.7666	0.02 <	0.16	0.01	0.03 <	0.27	TiO2	0.00
Mn K	0.03	0.7854	0.03 <	0.20	0.01	0.04 <	0.26	MnO	0.00
Fe K	0.26	0.8053	0.33	0.24	0.11	0.42	0.31	FeO	0.03
Total			106.44+/- 3.73		CompSum	52.96+/- 1.36		CatSum	5.37
								An.Sum	24.00

Inferred phases: CaCO3, silicate glass

Table S134

Spectrum: 4 11-Okt-2013 03:24 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	96705	100.00/121.70	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	56.03	0.8684	64.52	2.80	76.25	43.56	3.23	O	23.98
Na K	8.68	0.7034	12.34	0.68	10.15	16.63	0.92	Na2O	3.19
Mg K	0.29	0.5643	0.51	0.24	0.39	0.85	0.40	MgO	0.12
Al K	0.97	0.6859	1.42	0.22	0.99	2.68	0.42	Al2O3	0.31
Si K	3.89	0.7839	4.96	0.28	3.34	10.61	0.60	SiO2	1.05
S K	1.03	0.8907	1.16	0.18	0.69	2.90	0.45	SO3	0.22
Cl K	0.12	0.9021	0.13	0.12	0.07	0.13	0.12	Cl	0.02
K K	0.19	1.0885	0.18	0.12	0.09	0.22	0.14	K2O	0.03

Ca K	11.01	1.0031	10.97	0.38	5.18	15.35	0.53	CaO	1.63
Ti K	2.04	0.8107	2.52	0.26	1.00	4.20	0.43	TiO2	0.31
Mn K	0.45	0.8045	0.56	0.22	0.19	0.72	0.28	MnO	0.06
Fe K	4.07	0.8221	4.95	0.44	1.68	6.37	0.57	FeO	0.53
Total			104.22+/- 3.00		CompSum	60.53+/- 1.62		CatSum	7.45
								An.Sum	24.00

Inferred phases: CaCO3, Na2CO3, silicate glass

Table S135

Spectrum: 5 11-Okt-2013 03:26 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	90688	100.00/119.67	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	49.63	0.9933	49.95	2.32	76.92	34.03	2.71	O	23.96
Na K	6.79	0.7424	9.15	0.58	9.80	12.33	0.78	Na2O	3.05
Mg K	0.32	0.5859	0.54	0.22	0.55	0.90	0.36	MgO	0.17
Al K	1.57	0.7035	2.23	0.24	2.04	4.21	0.45	Al2O3	0.64
Si K	4.37	0.7815	5.59	0.30	4.90	11.96	0.64	SiO2	1.53
S K	0.29	0.8661	0.33	0.14	0.26	0.82	0.35	SO3	0.08
Cl K	0.17	0.8853	0.20	0.12	0.14	0.20	0.12	Cl	0.04
K K	0.12	1.0670	0.12	0.10	0.07	0.14	0.12	K2O	0.02
Ca K	6.90	0.9860	6.99	0.32	4.30	9.78	0.45	CaO	1.34
Ti K	0.15	0.8035	0.18	0.14	0.09	0.30	0.23	TiO2	0.03
Mn K	0.08	0.8016	0.10 <	0.16	0.05	0.13 <	0.21	MnO	0.02
Fe K	1.64	0.8181	2.00	0.32	0.88	2.57	0.41	FeO	0.27
Total			77.40+/- 2.49		CompSum	43.15+/- 1.40		CatSum	7.14
								An.Sum	24.00

Inferred phases: CaCO3, Na2CO3, silicate glass

Table S136

Spectrum: 6 11-Okt-2013 03:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	70012	100.00/115.21	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.65	0.4300	10.81	1.62	45.18	-5.92	2.09	O	23.90
Na K	1.37	0.7029	1.95	0.28	5.68	2.63	0.38	Na2O	3.01
Mg K	0.15	0.6294	0.24	0.12	0.65	0.40	0.20	MgO	0.34
Al K	1.72	0.7511	2.29	0.22	5.69	4.33	0.42	Al2O3	3.01
Si K	4.62	0.8022	5.76	0.30	13.72	12.32	0.64	SiO2	7.26
S K	0.33	0.8546	0.38	0.14	0.80	0.95	0.35	SO3	0.42
Cl K	0.09	0.8895	0.10 <	0.12	0.18	0.10 <	0.12	Cl	0.10
K K	0.24	1.1216	0.21	0.12	0.36	0.25	0.14	K2O	0.19
Ca K	12.27	1.0191	12.04	0.40	20.10	16.85	0.56	CaO	10.63
Ti K	0.11	0.7870	0.14 <	0.16	0.20	0.23 <	0.27	TiO2	0.11
Mn K	0.02	0.8177	0.02 <	0.20	0.02	0.03 <	0.26	MnO	0.01
Fe K	5.21	0.8429	6.19	0.48	7.41	7.96	0.62	FeO	3.92
Total			40.13+/- 1.83		CompSum	45.95+/- 1.32		CatSum	28.90
								An.Sum	24.00

Inferred phases: CaCO3, Fe2O3, Na2CO3, silicate glass

Table S137

Spectrum: 7 11-Okt-2013 03:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	82452	100.00/118.39	6	20.00

Peak omited: 13.210 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	24.11	0.6622	36.43	2.42	69.08	17.12	2.83	O	23.95
Na K	4.23	0.7229	5.85	0.48	7.72	7.89	0.65	Na2O	2.68
Mg K	0.46	0.6081	0.76	0.22	0.94	1.26	0.36	MgO	0.33
Al K	1.17	0.7228	1.62	0.22	1.83	3.06	0.42	Al2O3	0.63
Si K	5.79	0.8062	7.18	0.32	7.75	15.36	0.68	SiO2	2.69
S K	0.47	0.8679	0.54	0.16	0.51	1.35	0.40	SO3	0.18
Cl K	0.15	0.8905	0.17	0.12	0.15	0.17	0.12	Cl	0.05
K K	0.26	1.0909	0.24	0.12	0.19	0.29	0.14	K2O	0.07
Ca K	12.14	0.9977	12.17	0.40	9.21	17.03	0.56	CaO	3.19
Ti K	0.14	0.7941	0.18	0.16	0.11	0.30	0.27	TiO2	0.04
Mn K	0.17	0.8049	0.21	0.20	0.12	0.27	0.26	MnO	0.04
Fe K	3.63	0.8246	4.40	0.44	2.39	5.66	0.57	FeO	0.83
Total			69.76+/- 2.60		CompSum	52.46+/- 1.46		CatSum	10.67
								An.Sum	24.00

Inferred phases: CaCO3, Fe2O3, Na2CO3, silicate glass

Table S138

Site: F10-3

Spectrum: 1 11-Okt-2013 04:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	89739	100.00/119.90	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.41	1.2013	42.78	1.96	70.71	23.67	2.49	O	24.00
Na K	9.27	0.8092	11.46	0.60	13.18	15.45	0.81	Na2O	4.47
Mg K	1.60	0.5871	2.73	0.32	2.97	4.53	0.53	MgO	1.01
Al K	2.13	0.6737	3.15	0.28	3.09	5.95	0.53	Al2O3	1.05
Si K	4.98	0.7422	6.71	0.34	6.31	14.35	0.73	SiO2	2.14
S K	0.50	0.8272	0.60	0.16	0.50	1.50	0.40	SO3	0.17
K K	0.06	1.0384	0.05 <	0.10	0.04	0.06 <	0.12	K2O	0.01
Ca K	2.61	0.9756	2.68	0.22	1.77	3.75	0.31	CaO	0.60
Ti K	0.06	0.8176	0.07 <	0.14	0.04	0.12 <	0.23	TiO2	0.01
Cr K	0.05	0.8341	0.06 <	0.14	0.03	0.09 <	0.20	Cr2O3	0.01
Mn K	0.03	0.8099	0.04 <	0.16	0.02	0.05 <	0.21	MnO	0.01
Fe K	2.34	0.8255	2.84	0.36	1.34	3.65	0.46	FeO	0.45
Total			73.18+/- 2.19		CompSum	49.50+/- 1.54		CatSum	9.94
								An.Sum	24.00

Inferred phases: silicate glass

Table S139

Spectrum: 2 11-Okt-2013 04:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	113514	100.00/125.83	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	88.69	1.0887	81.47	2.76	74.87	42.09	3.34	O	24.00
Na K	2.24	0.7408	3.02	0.44	1.93	4.07	0.59	Na2O	0.62
Mg K	6.65	0.6790	9.80	0.46	5.92	16.25	0.76	MgO	1.90
Al K	2.07	0.7150	2.90	0.28	1.58	5.48	0.53	Al2O3	0.51
Si K	17.04	0.7958	21.41	0.54	11.21	45.80	1.16	SiO2	3.59
S K	0.00	0.8114	0.00 <	0.14	0.00	0.00 <	0.35	SO3	0.00
K K	0.04	1.0343	0.04 <	0.12	0.02	0.05 <	0.14	K2O	0.01
Ca K	6.09	0.9720	6.27	0.32	2.30	8.77	0.45	CaO	0.74
Ti K	0.06	0.8141	0.07 <	0.16	0.02	0.12 <	0.27	TiO2	0.01
Cr K	0.00	0.8356	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.13	0.8072	0.16 <	0.20	0.04	0.21 <	0.26	MnO	0.01
Fe K	6.61	0.8234	8.02	0.54	2.11	10.32	0.69	FeO	0.68
Total			133.15+/- 2.98	CompSum		91.07+/- 1.87		CatSum	8.06
								An.Sum	24.00

Inferred phases: silicate glass

Table S140

Spectrum: 3 11-Okt-2013 04:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	98864	100.00/122.14	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	69.31	0.8290	83.59	3.22	84.02	66.86	3.53	O	24.00
Na K	3.61	0.6706	5.39	0.52	3.77	7.27	0.70	Na2O	1.08
Mg K	0.94	0.6056	1.56	0.28	1.03	2.59	0.46	MgO	0.29
Al K	1.09	0.7157	1.53	0.22	0.91	2.89	0.42	Al2O3	0.26
Si K	3.05	0.8088	3.77	0.26	2.16	8.07	0.56	SiO2	0.62
S K	0.08	0.9150	0.09 <	0.12	0.04	0.22 <	0.30	SO3	0.01
K K	0.16	1.1101	0.15	0.12	0.06	0.18	0.14	K2O	0.02
Ca K	18.43	1.0004	18.43	0.48	7.39	25.79	0.67	CaO	2.11
Ti K	0.06	0.7880	0.08 <	0.14	0.03	0.13 <	0.23	TiO2	0.01
Cr K	0.05	0.8059	0.06 <	0.16	0.02	0.09 <	0.23	Cr2O3	0.01
Mn K	0.10	0.7923	0.13 <	0.20	0.04	0.17 <	0.26	MnO	0.01
Fe K	1.50	0.8094	1.86	0.32	0.53	2.39	0.41	FeO	0.15
Total			116.62+/- 3.36	CompSum		49.78+/- 1.45		CatSum	4.56
								An.Sum	24.00

Inferred phases: silicate glass

Table S141

Site: F10-4

Spectrum: 1 11-Okt-2013 05:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	112252	100.00/125.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula

O K	25.53	0.5652	45.21	2.78	80.09	21.60	5.44	O	24.00
Na K	4.13	0.7601	5.43	0.56	6.69	7.32	0.75	Na2O	2.00
Si K	0.24	0.8990	0.27	0.16	0.27	0.58	0.34	SiO2	0.08
S K	0.61	1.0226	0.60 <	0.94	0.53	1.50 <	2.35	SO3	0.16
Ni K	0.32	0.9138	0.35	0.32	0.17	0.45	0.41	NiO	0.05
Cu K	0.58	0.8739	0.67	0.42	0.30	0.84	0.53	CuO	0.09
Mo L	34.75	0.8582	40.48	2.60	11.96	60.73	3.90	MoO3	3.58
Total			93.00+/- 4.00	CompSum		71.41+/- 4.67		CatSum	5.97
								An.Sum	24.00

Inferred phases: MoO3

Table S142

Spectrum: 2 11-Okt-2013 05:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	104181	100.00/123.57	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	25.65	0.6151	41.69	2.54	78.86	21.65	5.01	O	24.00
Na K	5.84	0.7741	7.54	0.60	9.93	10.16	0.81	Na2O	3.02
Si K	0.09	0.8782	0.10 <	0.14	0.11	0.21 <	0.30	SiO2	0.03
S K	1.02	1.0063	1.02	0.86	0.96	2.55	2.15	SO3	0.29
Ni K	0.31	0.9022	0.34	0.30	0.18	0.43	0.38	NiO	0.05
Cu K	0.23	0.8619	0.27 <	0.36	0.13	0.34 <	0.45	CuO	0.04
Mo L	26.35	0.8446	31.21	2.40	9.84	46.82	3.60	MoO3	2.99
Total			82.16+/- 3.68	CompSum		60.52+/- 4.32		CatSum	6.44
								An.Sum	24.00

Inferred phases: MoO3

Table S143

Spectrum: 4 11-Okt-2013 05:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	122351	100.00/128.64	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.01	0.5115	44.98	2.92	78.36	16.76	5.88	O	24.00
Na K	4.02	0.7790	5.16	0.54	6.26	6.96	0.73	Na2O	1.92
Si K	0.10	0.9216	0.11 <	0.16	0.11	0.24 <	0.34	SiO2	0.03
S K	0.70	1.0437	0.67 <	1.04	0.58	1.67 <	2.60	SO3	0.18
Ni K	0.00	0.9272	0.00	0.00	0.00			NiO	0.00
Cu K	0.00	0.8879	0.00 <	0.42	0.00	0.00 <	0.53	CuO	0.00
Mo L	44.29	0.8759	50.57	2.86	14.69	75.87	4.29	MoO3	4.50
Total			101.49+/- 4.28	CompSum		84.73+/- 5.11		CatSum	6.63
								An.Sum	24.00

Inferred phases: MoO3

Table S144

Spectrum: 5 11-Okt-2013 05:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	91180	100.00/120.66	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.73	0.6439	32.19	2.12	75.15	15.94	4.37	O	24.00
Na K	6.44	0.7690	8.37	0.62	13.60	11.28	0.84	Na2O	4.34
Si K	0.08	0.8468	0.09 <	0.14	0.12	0.19 <	0.30	SiO2	0.04
S K	0.66	0.9863	0.67 <	0.74	0.78	1.67 <	1.85	SO3	0.25
Ni K	0.72	0.9026	0.79	0.32	0.50	1.01	0.41	NiO	0.16
Cu K	1.09	0.8620	1.27	0.42	0.74	1.59	0.53	CuO	0.24
Mo L	19.36	0.8278	23.39	2.10	9.11	35.09	3.15	MoO3	2.91
Total			66.76+/- 3.18		CompSum	50.83+/- 3.82		CatSum	7.94
								An.Sum	24.00

Inferred phases: MoO3

Table S145

Site: F10-5
Spectrum: 1 11-Okt-2013 06:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	153046	100.00/136.69	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.51	0.4088	1.26	1.14	2.69
Na K	40.62	1.3361	30.41	0.84	45.19
Al K	0.00	0.7496	0.00	0.00	0.00
Si K	0.08	0.8725	0.09 <	0.12	0.11
S K	0.07	1.0549	0.07 <	0.16	0.07
Cl K	53.82	1.0090	53.34	0.78	51.40
K K	0.02	0.8627	0.02 <	0.16	0.02
Ca K	0.04	0.8573	0.05 <	0.14	0.04
Fe K	0.00	0.8638	0.00	0.00	0.00
Zn K	0.00	0.8548	0.00	0.00	0.00
Cd L	0.97	0.6205	1.57	0.46	0.48
Total			86.80+/- 1.71		

Inferred phases: NaCl

Table S146

Spectrum: 2 11-Okt-2013 06:26 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	156786	100.00/138.31	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.57	0.3357	4.68	1.98	10.78
Na K	17.99	0.9406	19.13	0.86	30.67
Al K	0.01	0.7594	0.01 <	0.18	0.01
Si K	0.13	0.8824	0.15	0.14	0.20
S K	0.03	1.0667	0.03 <	0.16	0.03
Cl K	44.76	1.0477	42.72	0.68	44.42
K K	6.24	0.9769	6.39	0.46	6.02
Ca K	0.16	0.8586	0.19 <	0.24	0.17
Fe K	0.00	0.8835	0.00	0.00	0.00
Zn K	0.16	0.8938	0.18 <	0.46	0.10
Cd L	16.38	0.7083	23.13	1.14	7.59

Total 96.60+/- 2.64

Inferred phases: Na2CdCl4

Table S147

Spectrum: 3 11-Okt-2013 06:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	148882	100.00/135.60	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.79	0.3498	7.98	1.90	18.40
Na K	16.06	0.9387	17.11	0.80	27.44
Al K	0.00	0.7665	0.00	0.00	0.00
Si K	0.07	0.8881	0.08 <	0.14	0.11
S K	0.23	1.0677	0.21	0.16	0.24
Cl K	42.40	1.0423	40.68	0.68	42.32
K K	4.98	0.9671	5.15	0.42	4.86
Ca K	0.16	0.8610	0.19 <	0.22	0.18
Fe K	0.13	0.8778	0.15 <	0.26	0.10
Zn K	0.02	0.8843	0.02 <	0.44	0.01
Cd L	13.55	0.7012	19.32	1.08	6.34
Total			90.90+/- 2.53		

Inferred phases: Na2CdCl4

Table S148

Spectrum: 4 11-Okt-2013 06:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	121370	100.00/128.45	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.79	0.3279	2.40	1.24	9.16
Na K	6.94	0.9348	7.43	0.54	19.69
Al K	0.06	0.8224	0.07 <	0.12	0.16
Si K	0.08	0.9402	0.08 <	0.12	0.18
S K	0.12	1.1184	0.11 <	0.14	0.20
Cl K	38.70	1.0685	36.21	0.62	62.25
K K	0.28	0.9185	0.31	0.28	0.48
Ca K	0.09	0.8502	0.10 <	0.18	0.16
Fe K	0.20	0.8845	0.22 <	0.24	0.24
Zn K	0.57	0.8939	0.63	0.46	0.59
Cd L	8.40	0.6619	12.70	0.86	6.88
Total			60.27+/- 1.84		

Inferred phases: Na2CdCl4

Table S149

Spectrum: 5 11-Okt-2013 06:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	135139	100.00/132.18	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.62	0.3834	14.65	2.12	33.65	1.84	< 2.88	O	12.19
Na K	9.61	0.8519	11.28	0.72	18.02	15.21	0.97	Na2O	6.53
Al K	2.18	0.7685	2.84	0.26	3.86	5.37	0.49	Al2O3	1.40
Si K	1.50	0.8524	1.76	0.20	2.30	3.77	0.43	SiO2	0.83
S K	0.29	1.0157	0.29	0.18	0.33	0.72	0.45	SO3	0.12
Cl K	31.72	1.0087	31.44	0.62	32.59	31.44	0.62	Cl	11.81
K K	0.47	0.9911	0.47	0.34	0.45	0.57	0.41	K2O	0.16
Ca K	0.66	0.8855	0.74	0.22	0.68	1.04	0.31	CaO	0.25
Fe K	0.94	0.8794	1.07	0.32	0.70	1.38	0.41	FeO	0.25
Zn K	0.45	0.8824	0.51	0.50	0.29	0.63	0.62	ZnO	0.11
Cd L	15.70	0.7205	21.79	1.04	7.12	24.89	1.19	CdO	2.58
Total			86.85+/- 2.67		CompSum	53.56+/- 1.95		CatSum	12.23
								An.Sum	24.00

Inferred phases: NaCdCl3

Table S150

Spectrum: 6 11-Okt-2013 06:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	101667	100.00/123.41	6	20.00

Peak omited: 15.120 keV

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.74	0.3517	7.81	1.54	32.02
Na K	2.76	0.8596	3.21	0.38	9.17
Al K	0.00	0.8344	0.00 <	0.08	0.01
Si K	0.07	0.9493	0.07 <	0.08	0.17
S K	0.12	1.1159	0.11 <	0.12	0.22
Cl K	29.53	1.0634	27.76	0.54	51.39
K K	0.21	0.9285	0.22 <	0.24	0.37
Ca K	0.01	0.8573	0.02 <	0.14	0.03
Fe K	0.00	0.8757	0.00	0.00	0.00
Zn K	0.68	0.8802	0.77	0.44	0.78
Cd L	6.72	0.6710	10.01	0.72	5.84
Total			49.98+/- 1.90		

Inferred phases: Na2CdCl4

Table S151

Spectrum: 7 11-Okt-2013 06:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	128948	100.00/130.20	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	3.18	0.3694	8.60	1.74	22.98
Na K	13.15	0.9494	13.86	0.70	25.77
Al K	0.01	0.7727	0.01 <	0.14	0.02
Si K	0.08	0.8930	0.09 <	0.12	0.14
S K	0.12	1.0704	0.11 <	0.16	0.15
Cl K	38.58	1.0379	37.18	0.64	44.84
K K	0.07	0.9419	0.07 <	0.30	0.08

Ca K	0.23	0.8684	0.27	0.20	0.28
Fe K	0.00	0.8759	0.00	0.00	0.00
Zn K	0.15	0.8792	0.17 <	0.46	0.11
Cd L	10.10	0.6816	14.81	0.90	5.63
Total			75.17+/- 2.27		

Inferred phases: Na2CdCl4

Table S152

Spectrum: 8 11-Okt-2013 06:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	142865	100.00/133.61	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	4.69	0.4136	11.33	1.82	22.68
Na K	25.40	1.0411	24.40	0.88	34.00
Al K	0.02	0.7362	0.03 <	0.14	0.04
Si K	0.14	0.8578	0.16	0.14	0.19
S K	0.18	1.0364	0.17	0.16	0.17
Cl K	43.71	1.0096	43.29	0.70	39.11
K K	0.02	0.9309	0.02 <	0.28	0.02
Ca K	0.18	0.8764	0.21	0.18	0.17
Fe K	0.04	0.8690	0.05 <	0.26	0.03
Zn K	0.23	0.8643	0.27 <	0.44	0.13
Cd L	8.20	0.6739	12.16	0.84	3.47
Total			92.10+/- 2.39		

Inferred phases: NaCl, Na2CdCl4

Table S153

Spectrum: 9 11-Okt-2013 06:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.12	395153	126260	100.00/129.84	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.61	0.3214	1.91	1.28	7.15
Na K	6.88	0.9120	7.54	0.56	19.69
Al K	0.04	0.8130	0.05 <	0.12	0.11
Si K	0.04	0.9326	0.04 <	0.12	0.09
S K	0.11	1.1151	0.10 <	0.14	0.18
Cl K	39.83	1.0712	37.18	0.64	62.95
K K	0.20	0.9311	0.22 <	0.30	0.33
Ca K	0.19	0.8522	0.22	0.20	0.33
Fe K	0.00	0.8892	0.00	0.00	0.00
Zn K	0.85	0.9018	0.94	0.48	0.87
Cd L	10.42	0.6713	15.52	0.94	8.29
Total			63.72+/- 1.91		

Inferred phases: NaCl, Na2CdCl4

Table S154

Site: Fxx-1
Spectrum: Spectrum 1 21-Okt-2013 05:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	109504	70.00/96.51	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.26	0.3659	28.06	3.48	66.39	-10.70	5.03	O	24.00
Al K	1.01	0.8482	1.19	0.26	1.68	2.25	0.49	Al2O3	0.61
Si K	1.23	0.9561	1.28	0.24	1.73	2.74	0.51	SiO2	0.63
Ca K	0.51	0.8731	0.58	0.26	0.55	0.81	0.36	CaO	0.20
Ti K	0.56	0.8245	0.68	0.30	0.54	1.13	0.50	TiO2	0.20
Fe K	0.64	0.9390	0.68	0.40	0.46	0.87	0.51	FeO	0.17
Cu K	1.80	0.9411	1.92	0.68	1.14	2.40	0.85	CuO	0.41
Mo L	63.02	0.9039	69.72	2.24	27.51	104.60	3.36	MoO3	9.94
Total			104.12+/- 4.25		CompSum	114.81+/- 3.63		CatSum	12.15
								An.Sum	24.00

Inferred phases: MoO3, CuO

Table S155

Spectrum: Spectrum 2 21-Okt-2013 05:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	90011	70.00/91.12	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.17	0.3718	16.62	3.00	63.34	-8.96	4.26	O	24.00
Al K	0.46	0.8112	0.57	0.22	1.28	1.08	0.42	Al2O3	0.49
Si K	0.35	0.9287	0.37	0.20	0.81	0.79	0.43	SiO2	0.31
Ca K	0.00	0.8769	0.00	0.00	0.00			CaO	0.00
Ti K	0.10	0.8324	0.12 <	0.24	0.15	0.20 <	0.40	TiO2	0.06
Fe K	0.34	0.9554	0.36	0.32	0.39	0.46	0.41	FeO	0.15
Cu K	4.38	0.9528	4.59	0.72	4.41	5.75	0.90	CuO	1.67
Mo L	41.85	0.8980	46.59	1.84	29.61	69.90	2.76	MoO3	11.22
Total			69.22+/- 3.63		CompSum	78.18+/- 3.02		CatSum	13.89
								An.Sum	24.00

Inferred phases: MoO3, CuO

Table S156

Spectrum: Spectrum 3 21-Okt-2013 05:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	90921	70.00/91.47	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.65	0.3950	24.43	3.16	67.33	-5.36	4.49	O	24.00
Al K	1.12	0.7979	1.40	0.26	2.29	2.65	0.49	Al2O3	0.82
Si K	0.74	0.9042	0.82	0.22	1.29	1.75	0.47	SiO2	0.46
Ca K	0.30	0.8897	0.34	0.22	0.37	0.48	0.31	CaO	0.13
Ti K	0.87	0.8324	1.05	0.30	0.97	1.75	0.50	TiO2	0.35
Fe K	0.66	0.9411	0.70	0.36	0.55	0.90	0.46	FeO	0.20

Cu K	5.60	0.9325	6.00	0.80	4.17	7.51	1.00	CuO	1.49
Mo L	43.87	0.8757	50.09	1.90	23.03	75.15	2.85	MoO3	8.21
Total			84.83+/- 3.82		CompSum	90.19+/- 3.19		CatSum	11.65
								An.Sum	24.00

Inferred phases: MoO3, CuO

Table S157

Site: Fxx-2

Spectrum: 1 21-Okt-2013 05:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	85486	70.00/89.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.82	0.6204	65.81	3.24	72.51	29.34	3.84	O	24.00
Na K	8.19	0.7708	10.62	0.76	8.14	14.32	1.02	Na2O	2.69
S K	18.83	0.9811	19.19	0.60	10.55	47.92	1.50	SO3	3.49
K K	19.72	1.0252	19.24	0.58	8.67	23.18	0.70	K2O	2.87
Fe K	0.09	0.8181	0.11 <	0.28	0.04	0.14 <	0.36	FeO	0.01
Cu K	0.26	0.7929	0.32 <	0.44	0.09	0.40 <	0.55	CuO	0.03
Total			115.29+/- 3.47		CompSum	85.95+/- 2.05		CatSum	9.10
								An.Sum	24.00

Inferred phases: (Na,K)2SO4

Table S158

Spectrum: 2 21-Okt-2013 05:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	75889	70.00/87.37	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.56	0.5747	46.23	2.86	70.36	17.21	3.35	O	24.00
Na K	5.94	0.7820	7.59	0.64	8.04	10.23	0.86	Na2O	2.74
S K	15.26	0.9891	15.43	0.54	11.72	38.53	1.35	SO3	4.00
K K	16.04	1.0232	15.68	0.52	9.76	18.89	0.63	K2O	3.33
Fe K	0.22	0.8183	0.26	0.26	0.11	0.33	0.33	FeO	0.04
Cu K	0.00	0.7948	0.00	0.00	0.00			CuO	0.00
Total			85.19+/- 3.04		CompSum	67.98+/- 1.75		CatSum	10.11
								An.Sum	24.00

Inferred phases: (Na,K)2SO4

Table S159

Spectrum: 3 21-Okt-2013 05:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	83806	70.00/89.05	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	31.39	0.5745	54.65	3.08	69.42	20.15	3.66	O	24.00
Na K	8.28	0.7916	10.45	0.72	9.24	14.09	0.97	Na2O	3.19
S K	17.73	0.9857	17.99	0.58	11.40	44.92	1.45	SO3	3.94
K K	19.46	1.0247	18.99	0.56	9.87	22.88	0.67	K2O	3.41
Fe K	0.09	0.8188	0.11 <	0.28	0.04	0.14 <	0.36	FeO	0.01

Cu K	0.04	0.7955	0.05 <	0.40	0.02	0.06 <	0.50	CuO	0.01
Total			102.25+/- 3.30	CompSum		82.09+/- 1.97		CatSum	10.57

Inferred phases: (Na,K)2SO4

Table S160

Spectrum: 4 21-Okt-2013 05:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	64536	70.00/84.25	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.86	0.5832	28.91	2.20	68.92	8.48	2.68	O	24.00
Na K	4.30	0.7968	5.40	0.54	8.96	7.28	0.73	Na2O	3.12
S K	10.98	0.9870	11.13	0.46	13.23	27.79	1.15	SO3	4.61
K K	9.09	1.0121	8.98	0.40	8.76	10.82	0.48	K2O	3.05
Fe K	0.05	0.8196	0.07 <	0.24	0.04	0.09 <	0.31	FeO	0.01
Cu K	0.11	0.7956	0.14 <	0.34	0.08	0.18 <	0.43	CuO	0.03
Total			54.62+/- 2.38	CompSum		46.15+/- 1.54		CatSum	10.82
								An.Sum	24.00

Inferred phases: (Na,K)2SO4

Table S161

Spectrum: 5 21-Okt-2013 06:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.17	393524	78855	70.00/88.12	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	30.40	0.6255	48.61	2.82	70.14	18.31	3.43	O	24.00
Na K	6.64	0.7528	8.82	0.72	8.86	11.89	0.97	Na2O	3.03
S K	15.25	0.9748	15.64	0.54	11.26	39.05	1.35	SO3	3.85
K K	14.70	1.0251	14.34	0.50	8.46	17.27	0.60	K2O	2.89
Fe K	1.80	0.8259	2.18	0.42	0.90	2.80	0.54	FeO	0.31
Cu K	0.84	0.7970	1.05	0.50	0.38	1.31	0.63	CuO	0.13
Total			90.64+/- 3.07	CompSum		72.33+/- 1.95		CatSum	10.22
								An.Sum	24.00

Inferred phases: (Na,K)2SO4

Table S162

Site: F9-1

Spectrum: Spectrum 1 21-Okt-2013 07:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	117620	100.00/127.35	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.84	0.4122	55.40	3.38	73.33	21.83	3.73	O	24.00
Al K	0.64	0.7795	0.82	0.20	0.64	1.55	0.38	Al2O3	0.21
Si K	10.75	0.8737	12.31	0.40	9.28	26.33	0.86	SiO2	3.04
S K	0.37	0.9003	0.41	0.16	0.27	1.02	0.40	SO3	0.09
Ca K	16.20	1.0390	15.60	0.44	8.24	21.83	0.62	CaO	2.70
Ti K	13.97	0.8108	17.23	0.58	7.62	28.74	0.97	TiO2	2.49

Fe K	1.33	0.8172	1.63	0.32	0.62	2.10	0.41	FeO	0.20
Total			103.39+/- 3.50	CompSum	81.57+/- 1.59			CatSum	8.73

Inferred phases: CaTiSiO5

Table S163

Spectrum: Spectrum 2 21-Okt-2013 07:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	113368	100.00/126.28	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.27	0.3280	37.40	3.06	63.95	2.73	< 3.45	O	24.00
Al K	0.57	0.7882	0.72	0.18	0.73	1.36	0.34	Al2O3	0.27
Si K	10.47	0.8840	11.85	0.38	11.54	25.35	0.81	SiO2	4.33
S K	0.18	0.9038	0.20	0.14	0.17	0.50	0.35	SO3	0.06
Ca K	18.25	1.0573	17.26	0.46	11.78	24.15	0.64	CaO	4.42
Ti K	15.60	0.8118	19.22	0.60	10.98	32.06	1.00	TiO2	4.12
Fe K	1.44	0.8216	1.75	0.34	0.86	2.25	0.44	FeO	0.32
Total			88.40+/- 3.20	CompSum	85.67+/- 1.58			CatSum	13.53
								An.Sum	24.00

Inferred phases: CaTiSiO5

Table S164

Spectrum: Spectrum 3 21-Okt-2013 07:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	101738	100.00/123.13	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.68	0.4322	45.52	2.96	75.45	20.51	3.26	O	24.00
Al K	0.51	0.7754	0.66	0.16	0.65	1.25	0.30	Al2O3	0.21
Si K	7.42	0.8698	8.53	0.34	8.06	18.25	0.73	SiO2	2.56
S K	0.68	0.9067	0.75	0.16	0.62	1.87	0.40	SO3	0.20
Ca K	11.66	1.0371	11.24	0.38	7.44	15.73	0.53	CaO	2.37
Ti K	10.68	0.8118	13.15	0.50	7.28	21.93	0.83	TiO2	2.32
Fe K	0.87	0.8161	1.07	0.28	0.51	1.38	0.36	FeO	0.16
Total			80.92+/- 3.07	CompSum	60.41+/- 1.37			CatSum	7.81
								An.Sum	24.00

Inferred phases: CaTiSiO5

Table S165

Site: F9-2

Spectrum: Spectrum 1 21-Okt-2013 07:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	106255	100.00/124.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.76	0.6318	28.12	1.78	58.64	-0.52	< 2.69	O	23.34
Na K	1.25	0.5368	2.33	0.50	3.39	3.14	0.67	Na2O	1.35
Al K	0.17	0.6003	0.28	0.16	0.35	0.53	0.30	Al2O3	0.14
S K	11.30	0.9071	12.45	0.44	12.96	31.09	1.10	SO3	5.16

Cl K	1.46	0.8320	1.76	0.22	1.66	1.76	0.22	Cl	0.66
K K	10.54	1.0369	10.17	0.36	8.68	12.25	0.43	K2O	3.45
Cu K	23.37	0.8570	27.27	1.16	14.32	34.14	1.45	CuO	5.70
Total			82.39+/- 2.27		CompSum	81.14+/- 2.01		CatSum	15.80
								An.Sum	24.00

Inferred phases: K3NaCu4O2(SO4)4

Table S166

Spectrum: Spectrum 2 21-Okt-2013 07:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	88536	100.00/119.97	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.21	0.5569	9.36	1.08	37.22	-13.90	2.10	O	23.34
Na K	0.58	0.4919	1.18	0.34	3.27	1.59	0.46	Na2O	2.05
Al K	0.00	0.5543	0.00	0.00	0.00			Al2O3	0.00
S K	8.71	0.8876	9.81	0.38	19.46	24.50	0.95	SO3	12.20
Cl K	0.48	0.8124	0.59	0.16	1.06	0.59	0.16	Cl	0.66
K K	8.42	1.0442	8.07	0.32	13.12	9.72	0.39	K2O	8.23
Cu K	23.07	0.8923	25.85	1.12	25.87	32.36	1.40	CuO	16.22
Total			54.87+/- 1.68		CompSum	68.17+/- 1.80		CatSum	38.70
								An.Sum	24.00

Inferred phases: K3NaCu4O2(SO4)4

Table S167

Spectrum: Spectrum 3 21-Okt-2013 07:42 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.07	395190	100152	100.00/122.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.30	0.5802	16.04	1.44	46.53	-12.71	2.47	O	23.69
Na K	0.68	0.5102	1.33	0.46	2.68	1.79	0.62	Na2O	1.36
Al K	0.03	0.5757	0.05 <	0.14	0.09	0.09 <	0.26	Al2O3	0.05
S K	11.55	0.8977	12.87	0.44	18.63	32.14	1.10	SO3	9.48
Cl K	0.37	0.8090	0.46	0.16	0.61	0.46	0.16	Cl	0.31
K K	9.48	1.0367	9.15	0.34	10.86	11.02	0.41	K2O	5.53
Cu K	24.76	0.8775	28.22	1.18	20.61	35.33	1.48	CuO	10.49
Total			68.11+/- 2.01		CompSum	80.37+/- 2.00		CatSum	26.92
								An.Sum	24.00

Inferred phases: K3NaCu4O2(SO4)4

Table S168

Site: F9a-2

Spectrum: 1 25-Okt-2013 04:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	58303	70.00/82.89	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.38	0.4825	44.32	3.42	79.52	31.05	4.32	O	23.83
Na K	0.30	0.6631	0.46	0.42	0.57	0.62	0.57	Na2O	0.17
Mg K	0.01	0.6366	0.02 <	0.22	0.02	0.03 <	0.36	MgO	0.01

Al K	1.53	0.7614	2.01	0.26	2.14	3.80	0.49	Al2O3	0.64
Si K	1.74	0.8347	2.08	0.26	2.13	4.45	0.56	SiO2	0.64
P K	0.13	1.1560	0.11 <	0.16	0.10	0.25 <	0.37	P2O5	0.03
S K	0.42	0.9380	0.45	0.34	0.40	1.12	0.85	SO3	0.12
Cl K	0.68	0.9466	0.72	0.18	0.58	0.72	0.18	Cl	0.17
K K	0.11	1.1416	0.10 <	0.14	0.07	0.12 <	0.17	K2O	0.02
Ca K	19.76	1.0089	19.58	0.60	14.03	27.40	0.84	CaO	4.20
Ti K	0.00	0.7653	0.00	0.00	0.00			TiO2	0.00
Fe K	0.13	0.8100	0.16 <	0.26	0.08	0.21 <	0.33	FeO	0.02
Zn K	0.48	0.7884	0.61	0.46	0.27	0.76	0.57	ZnO	0.08
Mo L	0.02	0.7860	0.03 <	1.02	0.01	0.05 <	1.53	MoO3	0.00
Ba L	0.13	0.7319	0.17 <	0.50	0.04	0.19 <	0.56	BaO	0.01
W M	0.16	0.6990	0.23 <	0.90	0.04	0.29 <	1.13	WO3	0.01
Total			71.06+/- 3.87		CompSum	39.28+/- 2.64		CatSum	5.96
								An.Sum	24.00

Inferred phases: CaCO3

Table S169

Spectrum: 2 25-Okt-2013 04:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	70966	70.00/86.02	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.14	0.8361	33.70	2.22	59.37	-2.99 <	4.14	O	23.98
Na K	0.08	0.9883	0.08 <	0.30	0.10	0.11 <	0.40	Na2O	0.04
Mg K	0.00	0.8920	0.00	0.00	0.00			MgO	0.00
Al K	32.44	0.9736	33.30	0.70	34.79	62.92	1.32	Al2O3	14.05
Si K	1.40	0.5947	2.35	0.32	2.36	5.03	0.68	SiO2	0.95
P K	0.00	0.8814	0.00	0.00	0.00			P2O5	0.00
S K	1.66	0.7573	2.19	0.52	1.92	5.47	1.30	SO3	0.78
Cl K	0.06	0.7811	0.07 <	0.16	0.06	0.07 <	0.16	Cl	0.02
K K	0.04	0.9879	0.04 <	0.14	0.03	0.05 <	0.17	K2O	0.01
Ca K	1.24	0.9453	1.32	0.22	0.93	1.85	0.31	CaO	0.38
Ti K	0.05	0.8115	0.06 <	0.20	0.04	0.10 <	0.33	TiO2	0.02
Fe K	0.18	0.8358	0.22 <	0.24	0.11	0.28 <	0.31	FeO	0.04
Zn K	0.02	0.8056	0.03 <	0.44	0.01	0.04 <	0.55	ZnO	0.00
Mo L	0.28	0.6357	0.44 <	1.54	0.13	0.66 <	2.31	MoO3	0.05
Ba L	0.18	0.7760	0.24 <	0.48	0.05	0.27 <	0.54	BaO	0.02
W M	0.37	0.5094	0.73 <	1.08	0.11	0.92 <	1.36	WO3	0.04
Total			74.77+/- 3.17		CompSum	77.69+/- 3.49		CatSum	16.39
								An.Sum	24.00

Inferred phases: AlOOH

Table S170

Spectrum: 3 25-Okt-2013 05:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	72165	70.00/86.22	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.62	0.5703	60.69	3.64	76.74	34.28	4.87	O	23.97
Na K	0.21	0.7208	0.29 <	0.46	0.25	0.39 <	0.62	Na2O	0.08
Mg K	0.23	0.6893	0.34	0.24	0.28	0.56	0.40	MgO	0.09

Al	K	5.12	0.8063	6.35	0.40	4.76	12.00	0.76	Al2O3	1.49
Si	K	8.54	0.8278	10.31	0.48	7.43	22.06	1.03	SiO2	2.32
P	K	0.00	1.0476	0.00	0.00	0.00			P2O5	0.00
S	K	0.23	0.8673	0.26 <	0.32	0.17	0.65 <	0.80	SO3	0.05
Cl	K	0.14	0.8898	0.15 <	0.16	0.09	0.15 <	0.16	Cl	0.03
K	K	0.52	1.0855	0.48	0.18	0.25	0.58	0.22	K2O	0.08
Ca	K	18.83	0.9859	19.10	0.60	9.64	26.72	0.84	CaO	3.01
Ti	K	0.17	0.7768	0.21 <	0.24	0.09	0.35 <	0.40	TiO2	0.03
Fe	K	0.25	0.8133	0.30	0.30	0.11	0.39	0.39	FeO	0.03
Zn	K	0.16	0.7889	0.20 <	0.48	0.06	0.25 <	0.60	ZnO	0.02
Mo	L	0.11	0.7273	0.16 <	1.02	0.03	0.24 <	1.53	MoO3	0.01
Ba	L	0.05	0.7429	0.07 <	0.56	0.01	0.08 <	0.63	BaO	0.00
W	M	0.56	0.6943	0.81 <	1.48	0.09	1.02 <	1.87	WO3	0.03
Total				99.73+/-	4.28	CompSum	65.29+/-	3.23	CatSum	7.24
									An.Sum	24.00

Inferred phases: CaCO3, silicate glass

Table S171

Spectrum: 6 25-окт-2013 05:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	76506	70.00/87.51	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	31.67	0.6388	49.57	2.98	62.48	1.97 <	4.76	O	24.00
Na	K	2.28	0.8863	2.57	0.48	2.25	3.46	0.65	Na2O	0.86
Mg	K	0.13	0.7850	0.17 <	0.20	0.14	0.28 <	0.33	MgO	0.05
Al	K	14.50	0.8920	16.25	0.56	12.15	30.70	1.06	Al2O3	4.67
Si	K	18.90	0.7872	24.01	0.70	17.24	51.36	1.50	SiO2	6.62
P	K	0.00	0.8903	0.00	0.00	0.00			P2O5	0.00
S	K	0.11	0.7644	0.14 <	0.36	0.09	0.35 <	0.90	SO3	0.03
Cl	K	0.00	0.8070	0.00	0.00	0.00			Cl	0.00
K	K	0.19	1.0143	0.19	0.16	0.10	0.23	0.19	K2O	0.04
Ca	K	9.97	0.9537	10.45	0.48	5.26	14.62	0.67	CaO	2.02
Ti	K	0.04	0.7898	0.05 <	0.24	0.02	0.08 <	0.40	TiO2	0.01
Fe	K	0.45	0.8230	0.55	0.34	0.20	0.71	0.44	FeO	0.08
Zn	K	0.00	0.7964	0.00	0.00	0.00			ZnO	0.00
Mo	L	0.12	0.6416	0.18 <	1.08	0.04	0.27 <	1.62	MoO3	0.02
Ba	L	0.00	0.7553	0.00	0.00	0.00			BaO	0.00
W	M	0.22	0.6632	0.34 <	1.88	0.04	0.43 <	2.37	WO3	0.02
Total				104.48+/-	3.90	CompSum	102.50+/-	3.71	CatSum	14.42
									An.Sum	24.00

Inferred phases: feldspar

Table S172

Site: F9a-3

Spectrum: 1 25-Okt-2013 06:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	57054	70.00/82.73	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	5.30	0.6471	8.19	1.36	72.22	2.49 <	2.55	O	24.00
Al	K	0.04	0.9169	0.05 <	0.14	0.25	0.09 <	0.26	Al2O3	0.08

Si K	0.30	1.0636	0.28	0.16	1.43	0.60	0.34	SiO2	0.48
S K	1.97	0.6514	3.03	0.52	13.32	7.57	1.30	SO3	4.43
Fe K	0.18	0.9594	0.19 <	0.24	0.48	0.24 <	0.31	FeO	0.16
Cu K	0.39	0.9721	0.40	0.40	0.90	0.50	0.50	CuO	0.30
Au M	14.22	0.8926	15.93	1.50	11.41	16.58	1.56	Au2O	3.79
Total			28.07+/- 2.15	CompSum		25.58+/- 2.16		CatSum	9.24
								An.Sum	24.00

Inferred phases: gold

Table S173

Spectrum: 2 25-Okt-2013 06:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	56267	70.00/82.48	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	10.35	0.7342	14.13	1.50	74.29	4.17	2.59	O	24.00
Al K	0.30	0.8673	0.34	0.16	1.07	0.64	0.30	Al2O3	0.35
Si K	2.22	0.9790	2.26	0.24	6.77	4.83	0.51	SiO2	2.19
S K	2.96	0.7131	4.16	0.48	10.90	10.39	1.20	SO3	3.52
Fe K	0.06	0.9043	0.06 <	0.24	0.09	0.08 <	0.31	FeO	0.03
Cu K	1.33	0.8932	1.48	0.50	1.96	1.85	0.63	CuO	0.63
Au M	9.28	0.8068	11.49	1.42	4.91	11.96	1.48	Au2O	1.59
Total			33.93+/- 2.21	CompSum		29.75+/- 2.11		CatSum	8.30
								An.Sum	24.00

Inferred phases: gold

Table S174

Spectrum: 3 25-Okt-2013 06:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	51961	70.00/81.55	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	7.03	0.7176	9.81	1.26	75.61	4.08	2.31	O	24.00
Al K	0.18	0.8840	0.20	0.14	0.91	0.38	0.26	Al2O3	0.29
Si K	0.71	1.0120	0.70	0.16	3.08	1.50	0.34	SiO2	0.98
S K	1.78	0.6833	2.60	0.44	9.99	6.49	1.10	SO3	3.17
Fe K	1.14	0.9280	1.23	0.32	2.72	1.58	0.41	FeO	0.86
Cu K	0.07	0.9261	0.08 <	0.34	0.15	0.10 <	0.43	CuO	0.05
Au M	10.28	0.8527	12.05	1.36	7.54	12.54	1.42	Au2O	2.39
Total			26.67+/- 1.97	CompSum		22.59+/- 1.94		CatSum	7.74
								An.Sum	24.00

Inferred phases: gold

Table S175

Spectrum: 4 25-Okt-2013 06:28 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	44331	70.00/79.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	3.85	0.6854	5.63	1.06	74.33	1.30 <	1.83	O	24.00

Al K	0.11	0.9067	0.12	0.12	0.96	0.23	0.23	Al2O3	0.31
Si K	0.24	1.0269	0.23	0.12	1.73	0.49	0.26	SiO2	0.56
S K	1.75	0.7137	2.46	0.36	16.16	6.14	0.90	SO3	5.22
Fe K	0.05	0.9090	0.05 <	0.20	0.21	0.06 <	0.26	FeO	0.07
Cu K	0.11	0.9078	0.12 <	0.30	0.40	0.15 <	0.38	CuO	0.13
Au M	5.01	0.8646	5.80	1.00	6.21	6.04	1.04	Au2O	2.01
Total			14.41+/- 1.55	CompSum		13.11+/- 1.49		CatSum	8.29
								An.Sum	24.00

Inferred phases: gold

Table S176

Spectrum: 6 25-Okt-2013 06:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	53998	70.00/81.90	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	9.11	0.7513	12.13	1.44	76.36	4.02	2.37	O	24.00
Al K	0.24	0.8403	0.29	0.16	1.09	0.55	0.30	Al2O3	0.34
Si K	0.56	0.9547	0.59	0.16	2.10	1.26	0.34	SiO2	0.66
S K	3.18	0.7438	4.28	0.44	13.43	10.69	1.10	SO3	4.22
Fe K	0.13	0.9010	0.14 <	0.22	0.26	0.18 <	0.28	FeO	0.08
Cu K	1.39	0.8850	1.57	0.48	2.50	1.97	0.60	CuO	0.79
Au M	6.89	0.8261	8.35	1.24	4.27	8.69	1.29	Au2O	1.34
Total			27.35+/- 2.03	CompSum		23.33+/- 1.88		CatSum	7.43
								An.Sum	24.00

Inferred phases: gold

Table S177

Spectrum: 7 25-Okt-2013 06:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.36	393718	49522	70.00/80.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	6.30	0.7100	8.89	1.26	73.13	1.78 <	2.16	O	24.00
Al K	0.19	0.8550	0.23	0.14	1.11	0.43	0.26	Al2O3	0.36
Si K	0.47	0.9720	0.49	0.14	2.28	1.05	0.30	SiO2	0.75
S K	2.79	0.7328	3.81	0.42	15.64	9.51	1.05	SO3	5.13
Fe K	0.08	0.9086	0.08 <	0.20	0.20	0.10 <	0.26	FeO	0.07
Cu K	1.13	0.8966	1.26	0.44	2.61	1.58	0.55	CuO	0.86
Au M	6.30	0.8355	7.54	1.16	5.04	7.85	1.21	Au2O	1.65
Total			22.29+/- 1.84	CompSum		20.52+/- 1.76		CatSum	8.82
								An.Sum	24.00

Inferred phases: gold

Table S178

Site: F8-1

Spectrum: 1 29-Okt-2013 03:28 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	68137	70.00/85.40	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	30.44	0.6402	47.55	3.10	89.48	33.02	4.49	O	23.82
F	K	0.06	0.1489	0.43 <	1.60	0.69	0.43 <	1.60	F	0.18
Al	K	0.07	0.8083	0.09 <	0.18	0.10	0.17 <	0.34	Al2O3	0.03
Ca	K	0.13	0.9189	0.14 <	0.18	0.11	0.20 <	0.25	CaO	0.03
Cr	K	0.21	0.8609	0.24	0.24	0.14	0.35	0.35	Cr2O3	0.04
Mn	K	0.25	0.8576	0.29	0.24	0.16	0.37	0.31	MnO	0.04
Fe	K	0.48	0.8840	0.55	0.32	0.29	0.71	0.41	FeO	0.08
Ni	K	0.24	0.9012	0.27 <	0.38	0.14	0.34 <	0.48	NiO	0.04
Cu	K	0.03	0.8611	0.04 <	0.54	0.02	0.05 <	0.68	CuO	0.01
Mo	L	20.48	0.8023	25.53	1.52	8.01	38.30	2.28	MoO3	2.13
Ta	L	2.93	0.7065	4.14	1.38	0.69	5.06	1.69	Ta2O5	0.18
W	M	0.78	0.7537	1.04	0.88	0.17	1.31	1.11	WO3	0.05
Total				80.32+/-	4.23	CompSum	46.86+/-	3.24	CatSum	2.62
									An.Sum	24.00

Inferred phases: MoO3, Ta2O5

Table S179

Spectrum: 2 29-Okt-2013 03:30 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	74965	70.00/87.15	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	20.57	0.6112	33.66	2.76	82.41	16.16	4.90	O	23.39
F	K	0.21	0.2044	1.04 <	1.08	2.14	1.04 <	1.08	F	0.61
Al	K	0.00	0.9078	0.00	0.00	0.00			Al2O3	0.00
Ca	K	0.00	0.9186	0.00	0.00	0.00			CaO	0.00
Cr	K	0.00	0.9185	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.00	0.9292	0.00	0.00	0.00			MnO	0.00
Fe	K	0.00	0.9729	0.00	0.00	0.00			FeO	0.00
Ni	K	0.28	0.9875	0.28 <	0.36	0.19	0.36 <	0.46	NiO	0.05
Cu	K	0.00	0.9489	0.00	0.00	0.00			CuO	0.00
Mo	L	13.86	0.6576	21.08	1.58	8.61	31.63	2.37	MoO3	2.44
Ta	L	22.53	0.7821	28.82	2.28	6.24	35.19	2.78	Ta2O5	1.77
W	M	1.52	0.7864	1.93	1.32	0.41	2.43	1.66	WO3	0.12
Total				86.80+/-	4.28	CompSum	69.61+/-	4.04	CatSum	4.39
									An.Sum	24.00

Inferred phases: MoO3, Ta2O5

Table S180

Spectrum: 3 29-Okt-2013 03:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	68379	70.00/85.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	26.82	0.6134	43.73	3.18	83.66	28.59	4.52	O	22.53
F	K	0.53	0.1565	3.38	1.78	5.45	3.38	1.78	F	1.47
Al	K	0.05	0.7896	0.07 <	0.18	0.08	0.13 <	0.34	Al2O3	0.02
Ca	K	0.57	0.9211	0.62	0.20	0.47	0.87	0.28	CaO	0.13
Cr	K	0.17	0.8634	0.19 <	0.24	0.11	0.28 <	0.35	Cr2O3	0.03
Mn	K	0.00	0.8601	0.00	0.00	0.00			MnO	0.00
Fe	K	0.72	0.8872	0.82	0.32	0.45	1.05	0.41	FeO	0.12

Ni K	0.29	0.9035	0.32 <	0.36	0.16	0.41 <	0.46	NiO	0.04
Cu K	0.89	0.8634	1.03	0.58	0.49	1.29	0.73	CuO	0.13
Mo L	21.81	0.8160	26.73	1.52	8.53	40.10	2.28	MoO3	2.30
Ta L	2.33	0.7083	3.29	1.38	0.56	4.02	1.69	Ta2O5	0.15
W M	0.18	0.7449	0.25 <	0.82	0.04	0.32 <	1.03	WO3	0.01
Total			80.41+/-	4.34	CompSum	48.46+/-	3.21	CatSum	2.93
								An.Sum	24.00

Inferred phases: MoO3

Table S181

Spectrum: 4 29-Okt-2013 03:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	73217	70.00/86.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.55	0.5910	38.15	3.02	84.83	20.32	5.01	O	23.80
F K	0.07	0.1833	0.39 <	1.30	0.72	0.39 <	1.30	F	0.20
Al K	0.11	0.8677	0.12 <	0.20	0.16	0.23 <	0.38	Al2O3	0.04
Ca K	0.11	0.9143	0.13 <	0.18	0.11	0.18 <	0.25	CaO	0.03
Cr K	0.03	0.8973	0.04 <	0.24	0.03	0.06 <	0.35	Cr2O3	0.01
Mn K	0.04	0.9029	0.05 <	0.24	0.03	0.06 <	0.31	MnO	0.01
Fe K	0.40	0.9405	0.42	0.30	0.27	0.54	0.39	FeO	0.08
Ni K	0.34	0.9569	0.36	0.36	0.22	0.46	0.46	NiO	0.06
Cu K	0.34	0.9179	0.37 <	0.74	0.21	0.46 <	0.93	CuO	0.06
Mo L	18.44	0.7144	25.81	1.66	9.57	38.72	2.49	MoO3	2.68
Ta L	13.21	0.7553	17.50	1.98	3.44	21.37	2.42	Ta2O5	0.97
W M	1.63	0.7752	2.10	1.20	0.41	2.65	1.51	WO3	0.12
Total			85.43+/-	4.46	CompSum	64.73+/-	4.00	CatSum	4.05
								An.Sum	24.00

Inferred phases: MoO3, Ta2O5, WO3

Table S183

Spectrum: 5 29-Okt-2013 03:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	80834	70.00/88.57	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.25	0.6158	37.77	3.02	83.58	18.84	5.42	O	23.81
F K	0.07	0.1995	0.35 <	1.28	0.65	0.35 <	1.28	F	0.19
Al K	0.15	0.8957	0.17 <	0.22	0.22	0.32 <	0.42	Al2O3	0.06
Ca K	0.35	0.9209	0.38	0.22	0.34	0.53	0.31	CaO	0.10
Cr K	0.24	0.9140	0.26	0.26	0.18	0.38	0.38	Cr2O3	0.05
Mn K	0.00	0.9226	0.00	0.00	0.00			MnO	0.00
Fe K	0.54	0.9640	0.56	0.34	0.35	0.72	0.44	FeO	0.10
Ni K	0.22	0.9787	0.23 <	0.40	0.14	0.29 <	0.51	NiO	0.04
Cu K	0.41	0.9402	0.43 <	0.90	0.24	0.54 <	1.13	CuO	0.07
Mo L	14.88	0.6643	22.40	1.66	8.27	33.61	2.49	MoO3	2.36
Ta L	21.22	0.7746	27.40	2.42	5.36	33.46	2.95	Ta2O5	1.53
W M	2.73	0.7811	3.49	1.42	0.67	4.40	1.79	WO3	0.19
Total			93.43+/-	4.76	CompSum	74.25+/-	4.50	CatSum	4.49
								An.Sum	24.00

Inferred phases: MoO3, Ta2O5, WO3

Table S184

Spectrum: 6 29-Okt-2013 03:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	64406	70.00/84.26	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.62	0.6584	34.34	2.70	87.35	21.67	4.32	O	24.00
F K	0.00	0.1748	0.00	0.00	0.00			F	0.00
Al K	0.36	0.8404	0.42	0.20	0.64	0.79	0.38	Al2O3	0.18
Ca K	0.23	0.9244	0.25	0.18	0.25	0.35	0.25	CaO	0.07
Cr K	0.21	0.8871	0.23	0.22	0.18	0.34	0.32	Cr2O3	0.05
Mn K	0.00	0.8888	0.00	0.00	0.00			MnO	0.00
Fe K	0.67	0.9226	0.73	0.30	0.53	0.94	0.39	FeO	0.15
Ni K	0.79	0.9342	0.85	0.40	0.59	1.08	0.51	NiO	0.16
Cu K	0.40	0.8947	0.45 <	0.66	0.29	0.56 <	0.83	CuO	0.08
Mo L	12.17	0.7168	16.98	1.34	7.20	25.47	2.01	MoO3	1.98
Ta L	7.80	0.7354	10.61	1.70	2.39	12.96	2.08	Ta2O5	0.66
W M	2.01	0.7563	2.65	1.02	0.59	3.34	1.29	WO3	0.16
Total			67.51+/- 3.72		CompSum	45.84+/- 3.38		CatSum	3.48
								An.Sum	24.00

Inferred phases: MoO3, Ta2O5, WO3

Table S185

Site: F8-2

Spectrum: 1 29-Okt-2013 04:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	84053	70.00/89.72	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	57.53	0.8292	69.38	3.46	65.11	17.15	4.28	O	22.74
F K	0.82	0.1800	4.57	1.82	3.61	4.57	1.82	F	1.26
Na K	2.86	0.7646	3.74	0.56	2.45	5.04	0.75	Na2O	0.86
Mg K	2.12	0.6951	3.06	0.38	1.89	5.07	0.63	MgO	0.66
Al K	7.51	0.7887	9.52	0.48	5.30	17.99	0.91	Al2O3	1.85
Si K	23.92	0.8073	29.63	0.74	15.84	63.39	1.58	SiO2	5.53
P K	0.45	0.9227	0.49	0.24	0.24	1.12	0.55	P2O5	0.08
S K	0.10	0.7845	0.13 <	0.20	0.06	0.32 <	0.50	SO3	0.02
K K	2.44	1.0230	2.39	0.26	0.92	2.88	0.31	K2O	0.32
Ca K	4.66	0.9607	4.85	0.38	1.82	6.79	0.53	CaO	0.64
Ti K	1.15	0.8153	1.41	0.28	0.44	2.35	0.47	TiO2	0.15
Mn K	0.16	0.8123	0.20 <	0.28	0.05	0.26 <	0.36	MnO	0.02
Fe K	7.04	0.8299	8.49	0.68	2.28	10.92	0.87	FeO	0.80
Cu K	0.00	0.7952	0.00	0.00	0.00			CuO	0.00
Total			137.85+/- 4.18		CompSum	116.14+/- 2.52		CatSum	10.93
								An.Sum	24.00

Inferred phases: silicate glass

Table S186

Spectrum: 2 29-Okt-2013 04:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 45.48 393460 79176 70.00/88.30 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	46.07	0.7833	58.78	3.18	64.67	8.87	3.96	O	23.09
F K	0.49	0.1776	2.75	1.36	2.55	2.75	1.36	F	0.91
Na K	1.90	0.8252	2.31	0.46	1.77	3.11	0.62	Na2O	0.63
Mg K	0.52	0.7479	0.69	0.24	0.50	1.14	0.40	MgO	0.18
Al K	7.06	0.8562	8.24	0.44	5.38	15.57	0.83	Al2O3	1.92
Si K	28.01	0.8513	32.91	0.76	20.62	70.40	1.63	SiO2	7.36
P K	0.32	0.8906	0.36	0.22	0.21	0.82	0.50	P2O5	0.07
S K	0.11	0.7623	0.15 <	0.20	0.08	0.37 <	0.50	SO3	0.03
K K	4.99	1.0023	4.97	0.34	2.24	5.99	0.41	K2O	0.80
Ca K	1.16	0.9343	1.25	0.26	0.55	1.75	0.36	CaO	0.20
Ti K	0.76	0.8052	0.94	0.26	0.35	1.57	0.43	TiO2	0.12
Mn K	0.00	0.8078	0.00	0.00	0.00			MnO	0.00
Fe K	2.81	0.8256	3.41	0.50	1.07	4.39	0.64	FeO	0.38
Cu K	0.05	0.7946	0.06 <	0.42	0.02	0.08 <	0.53	CuO	0.01
Total			116.82+/- 3.71		CompSum	105.20+/- 2.36		CatSum	11.71
								An.Sum	24.00

Inferred phases: silicate glass

Table S187

Spectrum: 3 29-Okt-2013 04:43 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.48 393460 86362 70.00/90.24 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	68.91	1.0773	63.96	3.02	67.12	27.93	4.25	O	23.19
F K	0.57	0.2163	2.65 <	2.66	2.34	2.65 <	2.66	F	0.81
Na K	0.49	0.5390	0.90	0.74	0.66	1.21	1.00	Na2O	0.23
Mg K	4.14	0.5288	7.82	0.60	5.40	12.97	0.99	MgO	1.87
Al K	2.01	0.6125	3.29	0.40	2.05	6.22	0.76	Al2O3	0.71
Si K	7.00	0.7149	9.79	0.50	5.85	20.94	1.07	SiO2	2.02
P K	0.09	0.9983	0.09 <	0.22	0.05	0.21 <	0.50	P2O5	0.02
S K	0.25	0.8447	0.30	0.20	0.15	0.75	0.50	SO3	0.05
K K	0.65	1.0883	0.59	0.20	0.26	0.71	0.24	K2O	0.09
Ca K	4.87	1.0304	4.73	0.36	1.98	6.62	0.50	CaO	0.68
Ti K	1.16	0.8848	1.31	0.30	0.46	2.19	0.50	TiO2	0.16
Mn K	1.59	0.8564	1.85	0.42	0.57	2.39	0.54	MnO	0.20
Fe K	33.30	0.8768	37.99	1.26	11.42	48.87	1.62	FeO	3.95
Cu K	5.23	0.8114	6.44	0.90	1.70	8.06	1.13	CuO	0.59
Total			141.72+/- 4.52		CompSum	111.13+/- 2.99		CatSum	10.56
								An.Sum	24.00

Inferred phases: (Cu,Fe)Fe2O4, silicate glass

Table S188

Spectrum: 4 29-Okt-2013 04:45 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.48 393460 78102 70.00/88.06 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	52.07	1.0986	47.40	2.56	61.74	16.09	3.84	O	22.55

F	K	0.88	0.2439	3.62	2.10	3.98	3.62	2.10	F	1.45
Na	K	0.42	0.5109	0.82	0.68	0.74	1.11	0.92	Na2O	0.27
Mg	K	3.50	0.5030	6.96	0.58	5.97	11.54	0.96	MgO	2.18
Al	K	1.31	0.5882	2.22	0.36	1.72	4.19	0.68	Al2O3	0.63
Si	K	5.01	0.6982	7.17	0.44	5.32	15.34	0.94	SiO2	1.94
P	K	0.05	0.9949	0.05 <	0.20	0.03	0.11 <	0.46	P2O5	0.01
S	K	0.23	0.8454	0.27	0.20	0.18	0.67	0.50	SO3	0.07
K	K	0.51	1.0986	0.46	0.18	0.25	0.55	0.22	K2O	0.09
Ca	K	3.82	1.0437	3.66	0.32	1.90	5.12	0.45	CaO	0.69
Ti	K	0.85	0.9035	0.95	0.28	0.41	1.58	0.47	TiO2	0.15
Mn	K	2.04	0.8704	2.34	0.42	0.89	3.02	0.54	MnO	0.33
Fe	K	34.89	0.8916	39.13	1.26	14.60	50.34	1.62	FeO	5.33
Cu	K	5.69	0.8191	6.95	0.90	2.28	8.70	1.13	CuO	0.83
Total				122.00+/-	3.87	CompSum	102.29+/-	2.87	CatSum	12.52
									An.Sum	24.00

Inferred phases: (Cu,Fe)Fe2O4, silicate glass

Table S189

Spectrum: 5 29-Okt-2013 04:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	80033	70.00/88.37	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	49.43	0.7851	62.95	3.32	63.23	11.42	4.10	O	22.49
F	K	0.89	0.1784	5.01	1.60	4.24	5.01	1.60	F	1.51
Na	K	3.69	0.8284	4.46	0.52	3.12	6.01	0.70	Na2O	1.11
Mg	K	0.83	0.7307	1.14	0.28	0.75	1.89	0.46	MgO	0.27
Al	K	11.78	0.8350	14.11	0.54	8.40	26.66	1.02	Al2O3	2.99
Si	K	22.24	0.7950	27.98	0.72	16.01	59.86	1.54	SiO2	5.69
P	K	0.07	0.9055	0.08 <	0.20	0.04	0.18 <	0.46	P2O5	0.01
S	K	0.41	0.7740	0.53	0.20	0.26	1.32	0.50	SO3	0.09
K	K	0.74	1.0136	0.73	0.20	0.30	0.88	0.24	K2O	0.11
Ca	K	6.65	0.9550	6.97	0.40	2.79	9.75	0.56	CaO	0.99
Ti	K	0.28	0.8024	0.35	0.24	0.12	0.58	0.40	TiO2	0.04
Mn	K	0.13	0.8070	0.16 <	0.24	0.05	0.21 <	0.31	MnO	0.02
Fe	K	1.96	0.8247	2.37	0.44	0.68	3.05	0.57	FeO	0.24
Cu	K	0.03	0.7946	0.04 <	0.40	0.01	0.05 <	0.50	CuO	0.00
Total				126.88+/-	3.94	CompSum	110.45+/-	2.40	CatSum	11.57
									An.Sum	24.00

Inferred phases: silicate glass

Table S190

Spectrum: 6 29-Okt-2013 04:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	84914	70.00/89.78	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	62.67	0.8533	73.44	3.46	65.82	21.50	4.29	O	22.61
F	K	0.96	0.1787	5.36	2.12	4.05	5.36	2.12	F	1.39
Na	K	3.10	0.7538	4.11	0.60	2.57	5.54	0.81	Na2O	0.88
Mg	K	2.38	0.6855	3.47	0.40	2.05	5.75	0.66	MgO	0.70
Al	K	7.76	0.7776	9.98	0.50	5.30	18.86	0.94	Al2O3	1.82

Si K	22.59	0.7988	28.28	0.74	14.44	60.50	1.58	SiO2	4.96
P K	0.40	0.9328	0.43	0.22	0.20	0.99	0.50	P2O5	0.07
S K	0.24	0.7915	0.30	0.20	0.13	0.75	0.50	SO3	0.04
K K	2.27	1.0265	2.22	0.26	0.81	2.67	0.31	K2O	0.28
Ca K	4.91	0.9639	5.10	0.36	1.82	7.14	0.50	CaO	0.63
Ti K	1.20	0.8167	1.47	0.28	0.44	2.45	0.47	TiO2	0.15
Mn K	0.14	0.8125	0.18 <	0.28	0.05	0.23 <	0.36	MnO	0.02
Fe K	7.52	0.8299	9.06	0.68	2.33	11.66	0.87	FeO	0.80
Cu K	0.00	0.7947	0.00	0.00	0.00			CuO	0.00
Total			143.40+/- 4.32	CompSum	116.54+/- 2.54			CatSum	10.35
								An.Sum	24.00

Inferred phases: silicate glass

Table S191

Site: F8-3
Spectrum: Spectrum 1 29-Okt-2013 05:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	88985	70.00/91.34	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.03	0.3077	19.59	2.94	39.22	12.95	3.17	O	12.82
Na K	4.14	0.8983	4.61	0.50	6.43	6.21	0.67	Na2O	2.10
Cl K	40.60	1.0719	37.88	0.76	34.22	37.88	0.76	Cl	11.18
K K	23.46	0.9542	24.58	0.68	20.13	29.61	0.82	K2O	6.58
Cu K	0.01	0.8320	0.01 <	0.44	0.00	0.01 <	0.55	CuO	0.00
Total			86.68+/- 3.18	CompSum	35.84+/- 1.20			CatSum	8.68
								An.Sum	24.00

Inferred phases: (K,Na)Cl

Table S192

Site: F8-5
Spectrum: 1 29-Okt-2013 07:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	92177	70.00/92.15	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	13.65	0.4873	28.01	2.94	60.47	-1.42 <	4.92	O	24.00
Na K	0.23	0.8099	0.28 <	0.46	0.42	0.38 <	0.62	Na2O	0.17
Al K	0.67	0.8507	0.78	0.24	1.00	1.47	0.45	Al2O3	0.40
Si K	1.34	0.9662	1.39	0.24	1.70	2.97	0.51	SiO2	0.67
P K	0.01	1.4087	0.01 <	0.20	0.01	0.02 <	0.46	P2O5	0.00
S K	13.55	1.0418	13.01	0.68	14.01	32.49	1.70	SO3	5.56
K K	14.79	0.9398	15.74	0.60	13.90	18.96	0.72	K2O	5.52
Ca K	1.25	0.8567	1.45	0.42	1.25	2.03	0.59	CaO	0.50
Ti K	0.50	0.7898	0.64	0.34	0.46	1.07	0.57	TiO2	0.18
Fe K	0.24	0.9009	0.27 <	0.40	0.17	0.35 <	0.51	FeO	0.07
Cu K	0.09	0.9076	0.10 <	0.60	0.05	0.13 <	0.75	CuO	0.02
Zn K	0.91	0.9159	0.99	0.72	0.53	1.23	0.90	ZnO	0.21
As L	0.56	1.0617	0.53	0.48	0.24	0.70	0.63	As2O3	0.10
Sb L	0.53	0.7106	0.74 <	0.98	0.21	0.98 <	1.30	Sb2O5	0.08
Pb M	31.50	0.9436	33.38	2.40	5.56	35.96	2.59	PbO	2.21
Total			97.33+/- 4.26	CompSum	98.74+/- 3.94			CatSum	15.68

										An.Sum	24.00

Inferred phases: K2Pb(SO4)2

Table S193

Spectrum: 2 29-Okt-2013 07:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	91342	70.00/91.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.83	0.6132	61.68	3.66	73.62	26.23	5.38	O	24.00
Na K	1.46	0.7566	1.93	0.72	1.61	2.60	0.97	Na2O	0.52
Al K	1.87	0.7878	2.37	0.32	1.68	4.48	0.60	Al2O3	0.55
Si K	3.13	0.8793	3.56	0.32	2.42	7.62	0.68	SiO2	0.79
P K	0.17	1.2476	0.14 <	0.20	0.09	0.32 <	0.46	P2O5	0.03
S K	13.60	0.9684	14.04	0.66	8.36	35.06	1.65	SO3	2.73
K K	15.88	0.9848	16.12	0.58	7.87	19.42	0.70	K2O	2.57
Ca K	0.84	0.8918	0.94	0.38	0.45	1.32	0.53	CaO	0.15
Ti K	0.51	0.7954	0.65	0.30	0.26	1.08	0.50	TiO2	0.08
Fe K	0.44	0.8610	0.52	0.36	0.18	0.67	0.46	FeO	0.06
Cu K	1.13	0.8437	1.34	0.66	0.40	1.68	0.83	CuO	0.13
Zn K	2.20	0.8461	2.60	0.84	0.76	3.24	1.05	ZnO	0.25
As L	1.80	0.9901	1.82	0.62	0.46	2.40	0.82	As2O3	0.15
Sb L	0.23	0.7356	0.31 <	0.88	0.05	0.41 <	1.17	Sb2O5	0.02
Pb M	17.12	0.8779	19.50	2.24	1.80	21.01	2.41	PbO	0.59
Total			127.51+/-	4.76	CompSum	101.29+/-	3.95	CatSum	8.60
								An.Sum	24.00

Inferred phases: K2Pb(SO4)2

Table S194

Spectrum: 3 29-Okt-2013 07:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	78830	70.00/88.25	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.79	0.5803	46.17	3.28	66.78	11.18	4.90	O	24.00
Na K	1.66	0.7133	2.33	0.78	2.34	3.14	1.05	Na2O	0.84
Al K	2.67	0.7325	3.65	0.36	3.13	6.90	0.68	Al2O3	1.12
Si K	4.70	0.8112	5.80	0.38	4.78	12.41	0.81	SiO2	1.72
P K	0.14	1.1313	0.13 <	0.20	0.09	0.30 <	0.46	P2O5	0.03
S K	8.52	0.9155	9.31	0.52	6.72	23.25	1.30	SO3	2.42
K K	14.25	1.0205	13.96	0.54	8.26	16.82	0.65	K2O	2.97
Ca K	0.14	0.9201	0.15 <	0.36	0.08	0.21 <	0.50	CaO	0.03
Ti K	3.29	0.8122	4.05	0.42	1.96	6.76	0.70	TiO2	0.70
Fe K	2.03	0.8685	2.34	0.46	0.97	3.01	0.59	FeO	0.35
Cu K	3.10	0.8420	3.68	0.72	1.34	4.61	0.90	CuO	0.48
Zn K	3.57	0.8442	4.22	0.88	1.50	5.25	1.10	ZnO	0.54
As L	2.37	0.9230	2.56	0.64	0.79	3.38	0.85	As2O3	0.28
Sb L	1.07	0.7620	1.41	0.84	0.27	1.87	1.12	Sb2O5	0.10
Pb M	7.40	0.8328	8.89	1.78	0.99	9.58	1.92	PbO	0.36
Total			108.65+/-	4.28	CompSum	97.47+/-	3.65	CatSum	11.94
								An.Sum	24.00

Inferred phases: K2Pb(SO4)2

Table S195

Spectrum: 4 29-Okt-2013 07:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	89068	70.00/90.87	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	59.51	0.7486	79.49	3.56	70.79	27.57	4.70	O	24.00
Na K	0.23	0.8625	0.27 <	0.46	0.17	0.36 <	0.62	Na2O	0.06
Al K	11.82	0.7747	15.25	0.62	8.05	28.81	1.17	Al2O3	2.73
Si K	19.11	0.7504	25.47	0.74	12.92	54.49	1.58	SiO2	4.38
P K	0.42	0.9212	0.46	0.24	0.21	1.05	0.55	P2O5	0.07
S K	0.89	0.7849	1.13	0.26	0.50	2.82	0.65	SO3	0.17
K K	13.13	1.0157	12.93	0.52	4.71	15.58	0.63	K2O	1.60
Ca K	0.13	0.9260	0.14 <	0.30	0.05	0.20 <	0.42	CaO	0.02
Ti K	0.03	0.8064	0.03 <	0.22	0.01	0.05 <	0.37	TiO2	0.00
Fe K	0.10	0.8368	0.12 <	0.30	0.03	0.15 <	0.39	FeO	0.01
Cu K	0.29	0.8088	0.35 <	0.46	0.08	0.44 <	0.58	CuO	0.03
Zn K	0.32	0.8075	0.40 <	0.54	0.09	0.50 <	0.67	ZnO	0.03
As L	14.27	1.1453	12.46	0.94	2.37	16.45	1.24	As2O3	0.80
Sb L	0.00	0.7549	0.00	0.00	0.00			Sb2O5	0.00
Pb M	0.18	0.7202	0.26 <	1.04	0.02	0.28 <	1.12	PbO	0.01
Total			148.77+/-	4.11	CompSum	121.19+/-	3.07	CatSum	9.90
								An.Sum	24.00

Inferred phases: K(Al,As)Si3O8

Table S196

Spectrum: 5 29-Okt-2013 07:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	83911	70.00/89.44	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.79	0.7276	71.18	3.38	69.41	22.02	4.49	O	24.00
Na K	0.61	0.8637	0.70	0.44	0.48	0.94	0.59	Na2O	0.17
Al K	11.17	0.7859	14.21	0.60	8.22	26.85	1.13	Al2O3	2.84
Si K	18.71	0.7582	24.67	0.72	13.71	52.78	1.54	SiO2	4.74
P K	0.39	0.9183	0.42	0.22	0.21	0.96	0.50	P2O5	0.07
S K	0.75	0.7832	0.95	0.24	0.46	2.37	0.60	SO3	0.16
K K	12.72	1.0156	12.53	0.50	5.00	15.09	0.60	K2O	1.73
Ca K	0.30	0.9234	0.33	0.30	0.13	0.46	0.42	CaO	0.04
Ti K	0.02	0.8046	0.03 <	0.22	0.01	0.05 <	0.37	TiO2	0.00
Fe K	0.12	0.8362	0.14 <	0.30	0.04	0.18 <	0.39	FeO	0.01
Cu K	0.31	0.8080	0.39 <	0.48	0.10	0.49 <	0.60	CuO	0.03
Zn K	0.53	0.8068	0.65	0.52	0.16	0.81	0.65	ZnO	0.06
As L	11.34	1.1383	9.96	0.88	2.07	13.15	1.16	As2O3	0.72
Sb L	0.00	0.7547	0.00	0.00	0.00			Sb2O5	0.00
Pb M	0.07	0.7186	0.09 <	1.00	0.01	0.10 <	1.08	PbO	0.00
Total			136.27+/-	3.92	CompSum	114.23+/-	2.96	CatSum	10.58
								An.Sum	24.00

Inferred phases: K(Al,As)Si3O8

Table S197

Spectrum: 6 29-Okt-2013 07:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	84286	70.00/89.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	49.73	0.7143	69.62	3.40	69.04	20.29	4.50	O	24.00
Na K	0.32	0.8671	0.37 <	0.46	0.25	0.50 <	0.62	Na2O	0.09
Al K	10.88	0.7909	13.76	0.58	8.09	26.00	1.10	Al2O3	2.81
Si K	19.05	0.7635	24.95	0.70	14.09	53.38	1.50	SiO2	4.90
P K	0.48	0.9188	0.52	0.24	0.27	1.19	0.55	P2O5	0.09
S K	0.88	0.7830	1.13	0.26	0.56	2.82	0.65	SO3	0.19
K K	13.09	1.0149	12.89	0.52	5.23	15.53	0.63	K2O	1.82
Ca K	0.27	0.9212	0.30	0.30	0.12	0.42	0.42	CaO	0.04
Ti K	0.00	0.8036	0.00	0.00	0.00			TiO2	0.00
Fe K	0.23	0.8355	0.27 <	0.30	0.08	0.35 <	0.39	FeO	0.03
Cu K	0.12	0.8080	0.15 <	0.48	0.04	0.19 <	0.60	CuO	0.01
Zn K	0.48	0.8069	0.59	0.56	0.14	0.73	0.70	ZnO	0.05
As L	11.28	1.1476	9.83	0.86	2.08	12.98	1.14	As2O3	0.72
Sb L	0.00	0.7544	0.00	0.00	0.00			Sb2O5	0.00
Pb M	0.06	0.7184	0.09 <	1.04	0.01	0.10 <	1.12	PbO	0.00
Total			134.46+/-	3.94	CompSum	114.18+/-	2.94	CatSum	10.76
								An.Sum	24.00

Inferred phases: K(Al,As)Si3O8

Table S198

Spectrum: 7 29-Okt-2013 07:42 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	76413	70.00/87.90	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	58.41	1.4746	39.61	1.94	65.35	18.32	3.32	O	24.00
Na K	0.07	0.4179	0.17 <	0.58	0.19	0.23 <	0.78	Na2O	0.07
Al K	0.16	0.5541	0.29	0.26	0.29	0.55	0.49	Al2O3	0.11
Si K	0.09	0.6818	0.13 <	0.22	0.12	0.28 <	0.47	SiO2	0.04
P K	0.00	1.0438	0.00	0.00	0.00			P2O5	0.00
S K	0.12	0.8843	0.13 <	0.20	0.11	0.32 <	0.50	SO3	0.04
K K	0.18	1.1432	0.16 <	0.18	0.11	0.19 <	0.22	K2O	0.04
Ca K	0.13	1.0978	0.12 <	0.22	0.08	0.17 <	0.31	CaO	0.03
Ti K	0.28	0.9863	0.28	0.24	0.15	0.47	0.40	TiO2	0.06
Fe K	64.73	0.9218	70.22	1.62	33.19	90.34	2.08	FeO	12.19
Cu K	0.68	0.8247	0.82	0.56	0.34	1.03	0.70	CuO	0.12
Zn K	0.00	0.8351	0.00	0.00	0.00			ZnO	0.00
As L	0.00	0.6323	0.00	0.00	0.00			As2O3	0.00
Sb L	0.00	0.8566	0.00	0.00	0.00			Sb2O5	0.00
Pb M	0.44	0.8094	0.54 <	0.84	0.07	0.58 <	0.90	PbO	0.03
Total			112.47+/-	2.84	CompSum	94.15+/-	2.70	CatSum	12.73
								An.Sum	24.00

Inferred phases: Fe2O3

Table S199

Spectrum: 8 29-Okt-2013 07:44 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	46843	70.00/80.34	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	7.19	1.2842	5.60	0.76	30.77
Na K	0.00	0.3834	0.00	0.00	0.00
Al K	0.06	0.5158	0.11 <	0.12	0.37
Si K	0.19	0.6471	0.29	0.12	0.92
P K	0.01	1.0067	0.01 <	0.10	0.02
S K	0.04	0.8690	0.05 <	0.12	0.13
K K	0.21	1.1683	0.18	0.10	0.40
Ca K	0.00	1.1323	0.00	0.00	0.00
Ti K	0.08	1.0374	0.08 <	0.14	0.14
Fe K	40.90	0.9731	42.03	1.22	66.22
Cu K	0.24	0.8517	0.28 <	0.44	0.39
Zn K	0.29	0.8681	0.33 <	0.54	0.44
As L	0.00	0.5821	0.00	0.00	0.00
Sb L	0.00	0.8835	0.00	0.00	0.00
Pb M	0.38	0.7984	0.48	0.48	0.20
Total			49.43+/- 1.69		

Inferred phases: Fe2O3

Table S200

Spectrum: 9 29-Okt-2013 07:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	89633	70.00/91.01	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	78.33	0.8320	94.14	3.70	75.41	45.38	4.85	O	24.00
Na K	0.75	0.8180	0.92	0.54	0.51	1.24	0.73	Na2O	0.16
Al K	10.85	0.7748	14.00	0.60	6.65	26.45	1.13	Al2O3	2.12
Si K	18.09	0.7657	23.63	0.70	10.78	50.55	1.50	SiO2	3.43
P K	0.24	0.9520	0.25	0.22	0.11	0.57	0.50	P2O5	0.04
S K	1.42	0.8047	1.76	0.28	0.70	4.39	0.70	SO3	0.22
K K	11.79	1.0208	11.55	0.50	3.79	13.91	0.60	K2O	1.21
Ca K	0.41	0.9330	0.44	0.28	0.14	0.62	0.39	CaO	0.04
Ti K	0.12	0.8054	0.15 <	0.20	0.04	0.25 <	0.33	TiO2	0.01
Fe K	0.32	0.8292	0.38	0.30	0.09	0.49	0.39	FeO	0.03
Cu K	0.01	0.8004	0.01 <	0.42	0.00	0.01 <	0.53	CuO	0.00
Zn K	0.12	0.7987	0.15 <	0.52	0.03	0.19 <	0.65	ZnO	0.01
As L	11.02	1.0951	10.07	0.90	1.72	13.30	1.19	As2O3	0.55
Sb L	0.21	0.7561	0.28 <	0.70	0.03	0.37 <	0.93	Sb2O5	0.01
Pb M	0.07	0.7370	0.10 <	1.06	0.01	0.11 <	1.14	PbO	0.00
Total			157.82+/- 4.28		CompSum	112.45+/- 3.14		CatSum	7.83
								An.Sum	24.00

Inferred phases: K(Al,As)Si3O8

Table S201

Site: F8-6

Spectrum: Spectrum 1 29-Okt-2013 08:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.48	393460	82277	70.00/88.92	6	20.00

Counted by INCA

INCA Proc.Option: Oxygen by stoichiometry

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
Mg K	0.02	0.4075	0.05	< 0.38	0.08	0.08	< 0.63	MgO	0.04
Al K	0.08	0.5305	0.15	< 0.28	0.23	0.29	< 0.53	Al2O3	0.11
Si K	0.18	0.6607	0.28	0.24	0.40	0.59	0.51	SiO2	0.19
Ti K	0.00	1.0243	0.00	0.00	0.00			TiO2	0.00
Cr K	0.18	1.1869	0.15	< 0.20	0.12	0.22	< 0.29	Cr2O3	0.06
Mn K	0.51	0.9285	0.55	0.32	0.41	0.70	0.41	MnO	0.19
Fe K	62.67	0.9478	66.12	1.56	48.46	85.06	2.01	FeO	23.13
O			19.65	0.98	50.29				24.00
Total			86.95+/-	1.95	CompSum	86.94+/-	2.29	CatSum	23.72
								An.Sum	24.00

Inferred phases: Fe2O3

Table S202

Site: F2-1

Spectrum: 1 31-Okt-2013 03:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	72556	70.00/86.67	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	14.23	0.5978	23.80	2.52	56.13	-2.05	< 3.33	O	24.00
F K	0.00	0.2183	0.00	0.00	0.00			F	0.00
Na K	0.03	0.4683	0.07	< 0.32	0.11	0.09	< 0.43	Na2O	0.05
Mg K	0.57	0.4752	1.19	0.30	1.85	1.97	0.50	MgO	0.79
Al K	0.05	0.5943	0.09	< 0.18	0.13	0.17	< 0.34	Al2O3	0.06
Si K	0.00	0.7241	0.00	< 0.16	0.00	0.00	< 0.34	SiO2	0.00
S K	0.01	0.9244	0.01	< 0.16	0.01	0.02	< 0.40	SO3	0.00
Cl K	0.00	0.9626	0.00	0.00	0.00			Cl	0.00
K K	0.01	1.1940	0.01	< 0.16	0.01	0.01	< 0.19	K2O	0.00
Ca K	0.04	1.1531	0.03	< 0.16	0.03	0.04	< 0.22	CaO	0.01
Ti K	20.86	0.9632	21.66	0.70	17.06	36.13	1.17	TiO2	7.29
Mn K	0.11	0.8708	0.13	< 0.30	0.09	0.17	< 0.39	MnO	0.04
Fe K	32.63	0.8970	36.38	1.18	24.58	46.80	1.52	FeO	10.51
Total			83.37+/-	2.94	CompSum	85.42+/-	2.18	CatSum	18.76
								An.Sum	24.00

Inferred phases: Fe2TiO4

Table S203

Spectrum: 2 31-Okt-2013 03:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	80647	70.00/88.83	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.31	0.8014	42.84	2.92	68.48	16.96	3.76	O	23.98
F K	0.00	0.2071	0.00	0.00	0.00			F	0.00
Na K	0.36	0.4846	0.73	0.50	0.82	0.98	0.67	Na2O	0.29
Mg K	0.72	0.4866	1.49	0.38	1.57	2.47	0.63	MgO	0.55

Al K	0.22	0.6045	0.36	0.24	0.34	0.68	0.45	Al2O3	0.12
Si K	0.22	0.7288	0.30	0.20	0.27	0.64	0.43	SiO2	0.09
S K	0.31	0.9148	0.34	0.20	0.27	0.85	0.50	SO3	0.09
Cl K	0.09	0.9445	0.09 <	0.18	0.07	0.09 <	0.18	Cl	0.02
K K	0.28	1.1583	0.24	0.16	0.16	0.29	0.19	K2O	0.06
Ca K	0.04	1.1098	0.04 <	0.18	0.02	0.06 <	0.25	CaO	0.01
Ti K	16.51	0.9384	17.59	0.66	9.39	29.34	1.10	TiO2	3.29
Mn K	0.27	0.8604	0.32	0.30	0.15	0.41	0.39	MnO	0.05
Fe K	35.62	0.8825	40.36	1.26	18.48	51.92	1.62	FeO	6.47
Total			104.69+/- 3.36	CompSum		87.65+/- 2.36		CatSum	11.02
								An.Sum	24.00

Inferred phases: Fe2TiO4

Table S204

Spectrum: 3 31-Okt-2013 03:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	80158	70.00/88.44	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.01	0.6792	38.32	3.06	65.33	10.53	3.87	O	23.95
F K	0.00	0.2012	0.00	0.00	0.00			F	0.00
Na K	0.15	0.4845	0.31 <	0.46	0.37	0.42 <	0.62	Na2O	0.14
Mg K	0.80	0.4889	1.63	0.38	1.83	2.70	0.63	MgO	0.67
Al K	0.15	0.6062	0.25	0.24	0.25	0.47	0.45	Al2O3	0.09
Si K	0.07	0.7324	0.09 <	0.20	0.09	0.19 <	0.43	SiO2	0.03
S K	0.10	0.9225	0.11 <	0.18	0.09	0.27 <	0.45	SO3	0.03
Cl K	0.19	0.9549	0.20	0.18	0.15	0.20	0.18	Cl	0.05
K K	0.03	1.1732	0.03 <	0.16	0.02	0.04 <	0.19	K2O	0.01
Ca K	0.14	1.1281	0.13 <	0.16	0.09	0.18 <	0.22	CaO	0.03
Ti K	20.98	0.9433	22.24	0.72	12.67	37.10	1.20	TiO2	4.64
Mn K	0.36	0.8599	0.42	0.32	0.21	0.54	0.41	MnO	0.08
Fe K	34.20	0.8838	38.70	1.24	18.90	49.79	1.60	FeO	6.93
Total			102.42+/- 3.48	CompSum		91.70+/- 2.37		CatSum	12.65
								An.Sum	24.00

Inferred phases: Fe2TiO4

Table S205

Spectrum: 4 31-Okt-2013 03:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	81812	70.00/88.78	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.29	0.8158	44.47	2.64	62.73	-1.40 <	3.29	O	23.97
F K	0.00	0.1911	0.00	0.00	0.00			F	0.00
Na K	1.67	0.9167	1.82	0.34	1.79	2.45	0.46	Na2O	0.68
Mg K	0.07	0.8097	0.08 <	0.18	0.08	0.13 <	0.30	MgO	0.03
Al K	5.25	0.9173	5.73	0.36	4.79	10.83	0.68	Al2O3	1.83
Si K	30.45	0.9002	33.82	0.72	27.18	72.35	1.54	SiO2	10.39
S K	0.01	0.7334	0.01 <	0.16	0.01	0.02 <	0.40	SO3	0.00
Cl K	0.09	0.7815	0.12 <	0.16	0.08	0.12 <	0.16	Cl	0.03
K K	4.53	0.9819	4.61	0.32	2.66	5.55	0.39	K2O	1.02

Ca K	0.12	0.9164	0.13 <	0.18	0.07	0.18 <	0.25	CaO	0.03
Ti K	0.25	0.7974	0.31	0.22	0.15	0.52	0.37	TiO2	0.06
Mn K	0.00	0.8054	0.00	0.00	0.00			MnO	0.00
Fe K	0.96	0.8236	1.17	0.34	0.47	1.51	0.44	FeO	0.18
Total			92.29+/- 2.85	CompSum	93.55+/- 1.96			CatSum	14.21
								An.Sum	24.00

Inferred phases: silicate glass

Table S206

Spectrum: 5 31-Okt-2013 03:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	59003	70.00/83.05	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	9.18	0.6177	14.86	2.06	40.01	-7.74	2.56	O	15.50
F K	2.27	0.2378	9.56	1.28	21.69	9.56	1.28	F	8.40
Na K	0.77	0.8216	0.93	0.24	1.75	1.25	0.32	Na2O	0.68
Mg K	0.02	0.7469	0.03 <	0.12	0.05	0.05 <	0.20	MgO	0.02
Al K	5.01	0.8627	5.81	0.34	9.28	10.98	0.64	Al2O3	3.60
Si K	9.66	0.8151	11.85	0.46	18.18	25.35	0.98	SiO2	7.04
S K	0.30	0.7855	0.38	0.18	0.51	0.95	0.45	SO3	0.20
Cl K	0.17	0.8249	0.21	0.16	0.25	0.21	0.16	Cl	0.10
K K	0.40	1.0362	0.39	0.16	0.43	0.47	0.19	K2O	0.17
Ca K	6.83	0.9661	7.07	0.40	7.60	9.89	0.56	CaO	2.94
Ti K	0.06	0.7896	0.07 <	0.18	0.06	0.12 <	0.30	TiO2	0.02
Mn K	0.00	0.8097	0.00	0.00	0.00			MnO	0.00
Fe K	0.21	0.8303	0.25 <	0.28	0.19	0.32 <	0.36	FeO	0.07
Total			51.41+/- 2.58	CompSum	49.38+/- 1.52			CatSum	14.74
								An.Sum	24.00

Inferred phases: silicate glass

Table S207

Site: F2-2

Spectrum: 1 31-Okt-2013 04:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	95605	70.00/92.55	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	51.72	0.7777	66.49	2.98	67.15	14.78	3.59	O	23.69
F K	0.17	0.1735	0.98 <	1.14	0.83	0.98 <	1.14	F	0.29
Na K	0.04	0.8615	0.05 <	0.30	0.03	0.07 <	0.40	Na2O	0.01
Mg K	0.00	0.7987	0.00	0.00	0.00			MgO	0.00
Al K	10.13	0.9074	11.17	0.48	6.69	21.11	0.91	Al2O3	2.36
Si K	29.59	0.8657	34.18	0.74	19.66	73.12	1.58	SiO2	6.93
S K	0.00	0.7771	0.00	0.00	0.00			SO3	0.00
Cl K	0.11	0.8187	0.14 <	0.16	0.06	0.14 <	0.16	Cl	0.02
K K	13.27	1.0058	13.19	0.50	5.45	15.89	0.60	K2O	1.92
Ca K	0.00	0.9071	0.00	0.00	0.00			CaO	0.00
Fe K	0.33	0.8207	0.40	0.28	0.12	0.51	0.36	FeO	0.04
Ni K	0.00	0.8344	0.00	0.00	0.00			NiO	0.00
Total			126.60+/- 3.38	CompSum	110.70+/- 2.00			CatSum	11.27
								An.Sum	24.00

Inferred phases: silicate glass

Table S208

Spectrum: 2 31-Okt-2013 04:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	78285	70.00/87.95	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	30.12	1.2398	24.29	1.74	40.12	13.54	2.79	O	11.63
F K	9.54	0.3613	26.40	1.78	36.72	26.40	1.78	F	10.65
Na K	0.45	0.4292	1.06	0.62	1.21	1.43	0.84	Na2O	0.35
Mg K	0.01	0.4333	0.02 <	0.32	0.02	0.03 <	0.53	MgO	0.01
Al K	0.03	0.5559	0.05 <	0.24	0.05	0.09 <	0.45	Al2O3	0.01
Si K	0.00	0.6812	0.01 <	0.20	0.01	0.02 <	0.43	SiO2	0.00
S K	0.64	0.8759	0.73	0.24	0.60	1.82	0.60	SO3	0.17
Cl K	7.15	0.9003	7.94	0.42	5.92	7.94	0.42	Cl	1.72
K K	0.42	1.0542	0.40	0.18	0.27	0.48	0.22	K2O	0.08
Ca K	0.10	1.0092	0.10 <	0.16	0.07	0.14 <	0.22	CaO	0.02
Fe K	0.03	1.0297	0.03 <	0.24	0.01	0.04 <	0.31	FeO	0.00
Ni K	29.90	0.8971	33.33	1.32	15.00	42.41	1.68	NiO	4.35
Total			94.36+/- 2.98		CompSum	46.48+/- 2.18		CatSum	5.00
								An.Sum	24.00

Inferred phases: NiF2

Table S209

Spectrum: 3 31-Okt-2013 04:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	77161	70.00/87.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.06	1.2859	22.60	1.66	35.65	11.76	2.65	O	10.28
F K	12.49	0.3906	31.96	1.84	42.46	31.96	1.84	F	12.24
Na K	0.60	0.4310	1.39	0.60	1.52	1.87	0.81	Na2O	0.44
Mg K	0.06	0.4336	0.14 <	0.32	0.14	0.23 <	0.53	MgO	0.04
Al K	0.00	0.5557	0.00	0.00	0.00			Al2O3	0.00
Si K	0.10	0.6815	0.14 <	0.20	0.13	0.30 <	0.43	SiO2	0.04
S K	0.63	0.8748	0.71	0.22	0.56	1.77	0.55	SO3	0.16
Cl K	6.47	0.9000	7.19	0.40	5.12	7.19	0.40	Cl	1.48
K K	0.50	1.0590	0.47	0.16	0.31	0.57	0.19	K2O	0.09
Ca K	0.04	1.0121	0.03 <	0.16	0.02	0.04 <	0.22	CaO	0.01
Fe K	0.16	1.0261	0.16 <	0.24	0.07	0.21 <	0.31	FeO	0.02
Ni K	29.24	0.8963	32.62	1.28	14.03	41.51	1.63	NiO	4.05
Total			97.41+/- 2.93		CompSum	46.50+/- 2.06		CatSum	4.84
								An.Sum	24.00

Inferred phases: NiF2

Table S210

Spectrum: 6 31-Okt-2013 05:13 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	91812	70.00/91.19	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	61.41	1.1437	53.71	2.76	45.71	10.47	3.56	O	14.26
F K	11.34	0.2617	43.33	2.58	31.06	43.33	2.58	F	9.69
Na K	3.97	0.7156	5.55	0.68	3.29	7.48	0.92	Na2O	1.03
Mg K	0.83	0.6463	1.29	0.32	0.72	2.14	0.53	MgO	0.22
Al K	5.57	0.7605	7.33	0.44	3.70	13.85	0.83	Al2O3	1.15
Si K	21.28	0.8052	26.42	0.68	12.81	56.52	1.45	SiO2	4.00
S K	0.81	0.8052	1.00	0.22	0.43	2.50	0.55	SO3	0.13
Cl K	0.32	0.8366	0.38	0.18	0.15	0.38	0.18	Cl	0.05
K K	1.33	1.0278	1.30	0.22	0.45	1.57	0.27	K2O	0.14
Ca K	2.86	0.9680	2.96	0.28	1.01	4.14	0.39	CaO	0.32
Ti K	0.19	0.8204	0.24	0.20	0.07	0.40	0.33	TiO2	0.02
Fe K	1.89	0.8347	2.27	0.42	0.55	2.92	0.54	FeO	0.17
Ni K	0.25	0.8427	0.30 <	0.32	0.07	0.38 <	0.41	NiO	0.02
Cu K	0.00	0.8008	0.00	0.00	0.00			CuO	0.00
Total			146.08+/- 4.00	CompSum	91.90+/- 2.24			CatSum	7.21
								An.Sum	24.00

Inferred phases: silicate glass, unidentified fluorides

Table S211

Spectrum: 7 31-Okt-2013 05:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	90750	70.00/91.23	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	61.59	0.9855	62.49	2.90	61.81	10.96	3.65	O	21.05
F K	2.02	0.1961	10.30	1.74	8.58	10.30	1.74	F	2.92
Na K	3.20	0.8342	3.83	0.54	2.64	5.16	0.73	Na2O	0.90
Mg K	1.03	0.7377	1.40	0.28	0.91	2.32	0.46	MgO	0.31
Al K	4.87	0.8388	5.81	0.38	3.41	10.98	0.72	Al2O3	1.16
Si K	31.27	0.8640	36.19	0.76	20.39	77.42	1.63	SiO2	6.95
S K	0.65	0.7616	0.85	0.22	0.42	2.12	0.55	SO3	0.14
Cl K	0.12	0.7991	0.15 <	0.16	0.07	0.15 <	0.16	Cl	0.02
K K	0.97	0.9963	0.97	0.20	0.39	1.17	0.24	K2O	0.13
Ca K	2.57	0.9433	2.73	0.28	1.08	3.82	0.39	CaO	0.37
Ti K	0.03	0.8036	0.04 <	0.18	0.01	0.07 <	0.30	TiO2	0.00
Fe K	0.74	0.8234	0.90	0.34	0.26	1.16	0.44	FeO	0.09
Ni K	0.09	0.8340	0.11 <	0.34	0.03	0.14 <	0.43	NiO	0.01
Cu K	0.00	0.7927	0.00	0.00	0.00			CuO	0.00
Total			125.79+/- 3.60	CompSum	104.36+/- 2.21			CatSum	10.06
								An.Sum	24.00

Inferred phases: silicate glass, unidentified fluorides

Table S212

Site: F2-4
Spectrum: 1 31-Okt-2013 05:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	80464	70.00/88.41	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	38.57	1.0725	35.96	2.86	44.50	6.36	3.93	O	14.65
F K	7.64	0.2948	25.90	2.98	26.99	25.90	2.98	F	8.89
Na K	1.57	0.5555	2.84	0.66	2.44	3.83	0.89	Na2O	0.80
Mg K	1.69	0.5330	3.17	0.44	2.58	5.26	0.73	MgO	0.85
Al K	5.32	0.6352	8.38	0.50	6.15	15.83	0.94	Al2O3	2.02
Si K	4.20	0.6925	6.06	0.42	4.27	12.96	0.90	SiO2	1.41
P K	0.12	0.9884	0.12 <	0.20	0.08	0.27 <	0.46	P2O5	0.03
S K	2.21	0.8358	2.65	0.30	1.63	6.62	0.75	SO3	0.54
Cl K	2.16	0.8558	2.52	0.28	1.41	2.52	0.28	Cl	0.46
K K	0.62	1.0484	0.59	0.18	0.30	0.71	0.22	K2O	0.10
Ca K	3.65	0.9939	3.67	0.32	1.81	5.14	0.45	CaO	0.60
Ti K	0.34	0.8488	0.40	0.26	0.17	0.67	0.43	TiO2	0.06
Mn K	0.05	0.8837	0.06 <	0.24	0.02	0.08 <	0.31	MnO	0.01
Fe K	1.28	0.9266	1.38	0.36	0.49	1.78	0.46	FeO	0.16
Ni K	18.16	0.8709	20.85	1.08	7.03	26.53	1.37	NiO	2.31
Cu K	0.28	0.8285	0.33 <	0.50	0.10	0.41 <	0.63	CuO	0.03
Ba L	0.11	0.8134	0.14 <	0.58	0.02	0.16 <	0.65	BaO	0.01
Total			115.01+/-	4.52	CompSum	80.24+/-	2.69	CatSum	8.92
								An.Sum	24.00

Inferred phases: silicate glass, NiF2, unidentified fluorides

Table S213

Spectrum: 2 31-Okt-2013 05:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	84662	70.00/89.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.49	0.9162	47.45	3.30	55.13	3.23 <	4.15	O	19.58
F K	2.80	0.2279	12.31	2.84	12.04	12.31	2.84	F	4.28
Na K	1.65	0.7048	2.34	0.52	1.89	3.15	0.70	Na2O	0.67
Mg K	1.61	0.6552	2.45	0.34	1.88	4.06	0.56	MgO	0.67
Al K	5.61	0.7545	7.44	0.44	5.12	14.06	0.83	Al2O3	1.82
Si K	19.10	0.7887	24.22	0.68	16.03	51.81	1.45	SiO2	5.69
P K	0.32	0.9184	0.35	0.22	0.21	0.80	0.50	P2O5	0.07
S K	0.63	0.7839	0.81	0.24	0.47	2.02	0.60	SO3	0.17
Cl K	0.66	0.8220	0.80	0.22	0.42	0.80	0.22	Cl	0.15
K K	1.53	1.0227	1.50	0.24	0.71	1.81	0.29	K2O	0.25
Ca K	3.81	0.9660	3.94	0.32	1.83	5.51	0.45	CaO	0.65
Ti K	0.86	0.8235	1.05	0.30	0.41	1.75	0.50	TiO2	0.15
Mn K	0.00	0.8338	0.00	0.00	0.00			MnO	0.00
Fe K	4.17	0.8589	4.86	0.52	1.62	6.25	0.67	FeO	0.58
Ni K	5.91	0.8484	6.97	0.72	2.21	8.87	0.92	NiO	0.78
Cu K	0.13	0.8078	0.16 <	0.44	0.05	0.20 <	0.55	CuO	0.02
Ba L	0.00	0.7887	0.00	0.00	0.00			BaO	0.00
Total			116.63+/-	4.62	CompSum	100.31+/-	2.52	CatSum	11.52
								An.Sum	24.00

Inferred phases: silicate glass, NiF2, unidentified fluorides

Table S214

Spectrum: 3 31-Okt-2013 05:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 45.37 393127 90346 70.00/91.13 6 20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	57.28	0.9102	62.93	3.50	62.35	11.67	4.37	O	22.07
F K	1.27	0.2002	6.35	2.62	5.30	6.35	2.62	F	1.88
Na K	2.55	0.7651	3.34	0.56	2.30	4.50	0.75	Na2O	0.81
Mg K	1.88	0.6944	2.71	0.36	1.77	4.49	0.60	MgO	0.63
Al K	7.30	0.7887	9.26	0.48	5.44	17.50	0.91	Al2O3	1.93
Si K	23.84	0.8062	29.57	0.72	16.69	63.26	1.54	SiO2	5.91
P K	0.22	0.9147	0.24	0.24	0.12	0.55	0.55	P2O5	0.04
S K	0.12	0.7808	0.15 <	0.20	0.07	0.37 <	0.50	SO3	0.02
Cl K	0.27	0.8220	0.33	0.18	0.15	0.33	0.18	Cl	0.05
K K	2.11	1.0215	2.07	0.24	0.84	2.49	0.29	K2O	0.30
Ca K	4.68	0.9613	4.87	0.34	1.93	6.81	0.48	CaO	0.68
Ti K	0.99	0.8164	1.21	0.32	0.40	2.02	0.53	TiO2	0.14
Mn K	0.00	0.8173	0.00	0.00	0.00			MnO	0.00
Fe K	6.20	0.8367	7.41	0.62	2.10	9.53	0.80	FeO	0.74
Ni K	1.60	0.8388	1.91	0.46	0.52	2.43	0.59	NiO	0.18
Cu K	0.00	0.7990	0.00	0.00	0.00			CuO	0.00
Ba L	0.21	0.7818	0.27 <	0.70	0.03	0.30 <	0.78	BaO	0.01
Total			132.62+/-	4.67	CompSum	114.27+/-	2.62	CatSum	11.40
								An.Sum	24.00

Inferred phases: silicate glass, unidentified fluorides

Table S215

Spectrum: 5 31-Okt-2013 05:46 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)

.0 45.37 393127 85068 70.00/89.62 6 20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	42.90	0.9429	45.49	3.12	53.48	1.95 <	4.13	O	18.71
F K	3.61	0.2402	15.05	2.60	14.90	15.05	2.60	F	5.21
Na K	1.39	0.7105	1.96	0.52	1.60	2.64	0.70	Na2O	0.56
Mg K	1.35	0.6533	2.07	0.34	1.60	3.43	0.56	MgO	0.56
Al K	4.83	0.7503	6.43	0.42	4.49	12.15	0.79	Al2O3	1.57
Si K	19.09	0.7943	24.03	0.68	16.10	51.41	1.45	SiO2	5.63
P K	0.29	0.9274	0.31	0.22	0.19	0.71	0.50	P2O5	0.07
S K	1.36	0.7907	1.72	0.26	1.01	4.29	0.65	SO3	0.35
Cl K	0.33	0.8238	0.40	0.20	0.21	0.40	0.20	Cl	0.07
K K	1.41	1.0298	1.37	0.22	0.66	1.65	0.27	K2O	0.23
Ca K	4.01	0.9742	4.12	0.34	1.93	5.76	0.48	CaO	0.68
Ti K	0.59	0.8276	0.71	0.38	0.28	1.18	0.63	TiO2	0.10
Mn K	0.08	0.8277	0.10 <	0.26	0.03	0.13 <	0.34	MnO	0.01
Fe K	3.98	0.8495	4.68	0.54	1.58	6.02	0.69	FeO	0.55
Ni K	3.47	0.8516	4.07	0.60	1.31	5.18	0.76	NiO	0.46
Cu K	0.10	0.8119	0.13 <	0.44	0.04	0.16 <	0.55	CuO	0.01
Ba L	3.47	0.7925	4.38	0.84	0.60	4.89	0.94	BaO	0.21
Total			117.02+/-	4.43	CompSum	99.62+/-	2.70	CatSum	10.99
								An.Sum	24.00

Inferred phases: silicate glass, NiF2, unidentified fluorides

Table S216

Spectrum: 6 31-Okt-2013 05:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	80579	70.00/88.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	42.56	1.0243	41.57	2.60	58.28	-2.93 <	3.51	O	23.99
F K	0.00	0.2321	0.00	0.00	0.00			F	0.00
Na K	0.24	0.7697	0.31 <	0.38	0.30	0.42 <	0.51	Na2O	0.12
Mg K	10.40	0.7208	14.42	0.60	13.31	23.91	0.99	MgO	5.48
Al K	0.31	0.6796	0.46	0.24	0.38	0.87	0.45	Al2O3	0.16
Si K	19.95	0.7830	25.49	0.68	20.36	54.53	1.45	SiO2	8.38
P K	0.00	0.8729	0.00	0.00	0.00			P2O5	0.00
S K	0.14	0.7551	0.19	0.18	0.13	0.47	0.45	SO3	0.05
Cl K	0.04	0.8018	0.05 <	0.16	0.03	0.05 <	0.16	Cl	0.01
K K	0.14	1.0119	0.14 <	0.16	0.08	0.17 <	0.19	K2O	0.03
Ca K	1.62	0.9676	1.67	0.24	0.94	2.34	0.34	CaO	0.39
Ti K	0.12	0.8372	0.15 <	0.26	0.07	0.25 <	0.43	TiO2	0.03
Mn K	0.60	0.8271	0.73	0.30	0.30	0.94	0.39	MnO	0.12
Fe K	12.19	0.8449	14.43	0.82	5.80	18.56	1.05	FeO	2.39
Ni K	0.08	0.8385	0.09 <	0.34	0.03	0.11 <	0.43	NiO	0.01
Cu K	0.00	0.8007	0.00	0.00	0.00			CuO	0.00
Ba L	0.00	0.8022	0.00	0.00	0.00			BaO	0.00
Total			99.70+/- 2.98		CompSum	102.58+/- 2.36		CatSum	17.16
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S217

Spectrum: 7 31-Okt-2013 05:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	76339	70.00/87.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	27.76	0.8022	34.60	2.82	50.54	-8.57	3.54	O	19.97
F K	1.88	0.2262	8.30	1.74	10.21	8.30	1.74	F	4.03
Na K	3.93	0.9082	4.33	0.48	4.40	5.84	0.65	Na2O	1.74
Mg K	0.00	0.7645	0.00	0.00	0.00			MgO	0.00
Al K	10.73	0.8755	12.26	0.48	10.62	23.16	0.91	Al2O3	4.20
Si K	19.74	0.7961	24.80	0.68	20.64	53.06	1.45	SiO2	8.15
P K	0.05	0.8601	0.06 <	0.18	0.05	0.14 <	0.41	P2O5	0.02
S K	0.04	0.7443	0.05 <	0.16	0.04	0.12 <	0.40	SO3	0.02
Cl K	0.00	0.7922	0.00	0.00	0.00			Cl	0.00
K K	0.29	1.0017	0.29	0.16	0.17	0.35	0.19	K2O	0.07
Ca K	5.01	0.9495	5.28	0.36	3.08	7.39	0.50	CaO	1.22
Ti K	0.00	0.8010	0.00	0.00	0.00			TiO2	0.00
Mn K	0.11	0.8108	0.13 <	0.24	0.06	0.17 <	0.31	MnO	0.02
Fe K	0.29	0.8294	0.35	0.30	0.15	0.45	0.39	FeO	0.06
Ni K	0.00	0.8432	0.00	0.00	0.00			NiO	0.00
Cu K	0.00	0.8024	0.00	0.00	0.00			CuO	0.00
Ba L	0.29	0.7665	0.37 <	0.52	0.06	0.41 <	0.58	BaO	0.02
Total			90.82+/- 3.54		CompSum	91.09+/- 2.14		CatSum	15.51
								An.Sum	24.00

Inferred phases: silicate glass, unidentified fluorides

Table S218

Site: F2-5
Spectrum: 1 31-Okt-2013 06:18 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	68771	70.00/85.57	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	16.13	0.7187	22.42	2.16	50.58	-5.35	3.10	O	22.50
F K	0.42	0.2452	1.70	1.06	3.23	1.70	1.06	F	1.44
Na K	1.15	0.6247	1.83	0.48	2.88	2.47	0.65	Na2O	1.28
Mg K	1.45	0.5830	2.49	0.34	3.70	4.13	0.56	MgO	1.65
Al K	2.11	0.6789	3.10	0.32	4.15	5.86	0.60	Al2O3	1.85
Si K	7.60	0.7559	10.06	0.46	12.92	21.52	0.98	SiO2	5.75
S K	1.15	0.8275	1.39	0.24	1.56	3.47	0.60	SO3	0.69
Cl K	0.12	0.8583	0.14 <	0.16	0.14	0.14 <	0.16	Cl	0.06
K K	1.90	1.0775	1.76	0.24	1.63	2.12	0.29	K2O	0.73
Ca K	7.14	1.0052	7.10	0.40	6.39	9.93	0.56	CaO	2.84
Ti K	0.80	0.8451	0.95	0.26	0.71	1.58	0.43	TiO2	0.32
Mn K	0.47	0.8463	0.55	0.30	0.36	0.71	0.39	MnO	0.16
Fe K	13.84	0.8696	15.92	0.84	10.29	20.48	1.08	FeO	4.58
Cu K	2.10	0.8187	2.56	0.62	1.46	3.20	0.78	CuO	0.65
Total			71.97+/- 2.83	CompSum	75.48+/- 2.22			CatSum	20.49
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide, unidentified fluorides

Table S219

Spectrum: 2 31-Okt-2013 06:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	77316	70.00/87.83	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	22.03	0.7122	30.93	2.50	49.41	-8.70	3.35	O	20.26
F K	1.55	0.2283	6.79	1.32	9.13	6.79	1.32	F	3.74
Na K	3.36	0.7946	4.23	0.52	4.70	5.70	0.70	Na2O	1.93
Mg K	1.12	0.6917	1.62	0.28	1.70	2.69	0.46	MgO	0.70
Al K	4.45	0.7917	5.62	0.38	5.32	10.62	0.72	Al2O3	2.18
Si K	16.44	0.8188	20.09	0.60	18.28	42.98	1.28	SiO2	7.49
S K	1.90	0.7925	2.40	0.30	1.91	5.99	0.75	SO3	0.78
Cl K	0.00	0.8181	0.00	0.00	0.00			Cl	0.00
K K	4.11	1.0267	4.00	0.32	2.62	4.82	0.39	K2O	1.07
Ca K	4.47	0.9531	4.69	0.36	2.99	6.56	0.50	CaO	1.23
Ti K	1.11	0.8126	1.37	0.28	0.73	2.29	0.47	TiO2	0.30
Mn K	0.00	0.8188	0.00	0.00	0.00			MnO	0.00
Fe K	5.85	0.8389	6.98	0.60	3.19	8.98	0.77	FeO	1.31
Cu K	0.01	0.8067	0.01 <	0.44	0.00	0.01 <	0.55	CuO	0.00
Total			88.71+/- 3.13	CompSum	90.64+/- 2.23			CatSum	16.99
								An.Sum	24.00

Inferred phases: silicate glass

Table S220

Spectrum: 3 31-Okt-2013 06:21 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 77500 70.00/87.96 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	32.68	0.9207	35.47	2.40	54.96	0.90	< 3.47	O	21.58
F K	1.16	0.2499	4.66	1.40	6.08	4.66	1.40	F	2.39
Na K	3.20	0.6086	5.26	0.70	5.67	7.09	0.94	Na2O	2.23
Mg K	1.19	0.5549	2.15	0.36	2.19	3.57	0.60	MgO	0.86
Al K	2.97	0.6638	4.48	0.40	4.11	8.46	0.76	Al2O3	1.61
Si K	5.91	0.7419	7.97	0.44	7.03	17.05	0.94	SiO2	2.76
S K	4.08	0.8557	4.77	0.36	3.69	11.91	0.90	SO3	1.45
Cl K	0.11	0.8582	0.13 <	0.16	0.09	0.13 <	0.16	Cl	0.04
K K	2.82	1.0691	2.64	0.26	1.67	3.18	0.31	K2O	0.66
Ca K	1.70	1.0073	1.69	0.26	1.04	2.36	0.36	CaO	0.41
Ti K	3.17	0.8724	3.63	0.36	1.88	6.05	0.60	TiO2	0.74
Mn K	0.22	0.8473	0.26 <	0.28	0.12	0.34 <	0.36	MnO	0.05
Fe K	22.15	0.8671	25.54	1.02	11.34	32.86	1.31	FeO	4.45
Cu K	0.28	0.8136	0.34 <	0.46	0.13	0.43 <	0.58	CuO	0.05
Total			98.99+/-	3.23	CompSum	93.30+/-	2.51	CatSum	15.26
								An.Sum	24.00

Inferred phases: silicate glass

Table S221

Spectrum: 4 31-Okt-2013 06:23 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 63982 70.00/84.41 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	11.10	0.6384	17.38	2.06	45.15	-12.49	2.82	O	21.00
F K	0.70	0.2408	2.91	0.90	6.36	2.91	0.90	F	2.96
Na K	1.20	0.7747	1.55	0.34	2.79	2.09	0.46	Na2O	1.30
Mg K	0.62	0.7019	0.89	0.22	1.51	1.48	0.36	MgO	0.70
Al K	3.74	0.8056	4.64	0.34	7.15	8.77	0.64	Al2O3	3.32
Si K	11.29	0.8158	13.84	0.50	20.49	29.61	1.07	SiO2	9.53
S K	2.02	0.7907	2.56	0.28	3.32	6.39	0.70	SO3	1.54
Cl K	0.07	0.8087	0.09 <	0.16	0.10	0.09 <	0.16	Cl	0.05
K K	2.30	1.0264	2.24	0.24	2.39	2.70	0.29	K2O	1.11
Ca K	3.88	0.9592	4.05	0.32	4.20	5.67	0.45	CaO	1.95
Ti K	1.05	0.8175	1.28	0.26	1.11	2.14	0.43	TiO2	0.52
Mn K	0.00	0.8250	0.00	0.00	0.00			MnO	0.00
Fe K	6.13	0.8465	7.25	0.60	5.39	9.33	0.77	FeO	2.51
Cu K	0.05	0.8121	0.06 <	0.42	0.04	0.08 <	0.53	CuO	0.02
Total			58.73+/-	2.54	CompSum	68.23+/-	1.93	CatSum	22.50
								An.Sum	24.00

Inferred phases: silicate glass

Table S222

Site: F2-6
Spectrum: 1 31-Okt-2013 07:17 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 89670 70.00/91.24 6 20.00
Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	55.82	0.8796	63.45	3.06	66.07	13.71	3.95	O	23.96
Na K	3.29	0.7778	4.23	0.54	3.06	5.70	0.73	Na2O	1.11
Mg K	2.36	0.6949	3.40	0.38	2.33	5.64	0.63	MgO	0.85
Al K	6.57	0.7820	8.41	0.46	5.19	15.89	0.87	Al2O3	1.88
Si K	21.10	0.8058	26.18	0.70	15.53	56.01	1.50	SiO2	5.63
P K	0.35	0.9315	0.38	0.24	0.20	0.87	0.55	P2O5	0.07
S K	0.98	0.7912	1.24	0.26	0.64	3.10	0.65	SO3	0.23
Cl K	0.18	0.8250	0.21	0.18	0.10	0.21	0.18	Cl	0.04
K K	3.50	1.0239	3.42	0.30	1.46	4.12	0.36	K2O	0.53
Ca K	4.18	0.9581	4.36	0.36	1.81	6.10	0.50	CaO	0.66
Ti K	1.19	0.8167	1.46	0.28	0.51	2.44	0.47	TiO2	0.18
Mn K	0.01	0.8142	0.01 <	0.26	0.00	0.01 <	0.34	MnO	0.00
Fe K	8.59	0.8324	10.32	0.72	3.08	13.28	0.93	FeO	1.12
Total			127.08+/-	3.40	CompSum	113.15+/-	2.49	CatSum	12.26
								An.Sum	24.00

Inferred phases: silicate glass

Table S223

Spectrum: 2 31-Okt-2013 07:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	82148	70.00/89.01	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	46.75	0.5888	79.42	4.16	79.38	37.98	4.66	O	23.98
Na K	0.07	0.6971	0.09 <	0.36	0.07	0.12 <	0.49	Na2O	0.02
Mg K	0.10	0.6718	0.16 <	0.24	0.10	0.27 <	0.40	MgO	0.03
Al K	0.03	0.7928	0.04 <	0.18	0.02	0.08 <	0.34	Al2O3	0.01
Si K	0.34	0.8947	0.38	0.18	0.22	0.81	0.39	SiO2	0.07
P K	0.00	1.2658	0.00	0.00	0.00			P2O5	0.00
S K	20.55	0.9928	20.70	0.62	10.32	51.69	1.55	SO3	3.12
Cl K	0.09	0.8569	0.10 <	0.18	0.05	0.10 <	0.18	Cl	0.02
K K	0.12	1.0577	0.12 <	0.16	0.05	0.14 <	0.19	K2O	0.02
Ca K	23.42	0.9692	24.16	0.68	9.64	33.80	0.95	CaO	2.91
Ti K	0.07	0.7674	0.08 <	0.20	0.03	0.13 <	0.33	TiO2	0.01
Mn K	0.01	0.7872	0.02 <	0.26	0.00	0.03 <	0.34	MnO	0.00
Fe K	0.35	0.8073	0.43	0.32	0.12	0.55	0.41	FeO	0.04
Total			125.70+/-	4.32	CompSum	87.62+/-	2.10	CatSum	6.22
								An.Sum	24.00

Inferred phases: $CaSO_4 \cdot 2H_2O$

Table S224

Spectrum: 3 31-Okt-2013 07:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	90136	70.00/91.01	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	70.36	1.1314	62.19	2.76	69.17	25.09	3.79	O	23.92
Na K	1.55	0.5763	2.70	0.60	2.09	3.64	0.81	Na2O	0.72
Mg K	1.50	0.5544	2.71	0.42	1.98	4.49	0.70	MgO	0.68
Al K	3.05	0.6634	4.59	0.40	3.03	8.67	0.76	Al2O3	1.05

Si K	8.46	0.7485	11.30	0.50	7.16	24.17	1.07	SiO2	2.48
P K	0.25	1.0126	0.24	0.22	0.14	0.55	0.50	P2O5	0.05
S K	2.10	0.8510	2.46	0.30	1.37	6.14	0.75	SO3	0.47
Cl K	0.40	0.8724	0.46	0.20	0.23	0.46	0.20	Cl	0.08
K K	1.18	1.0757	1.10	0.22	0.50	1.33	0.27	K2O	0.17
Ca K	4.57	1.0165	4.50	0.34	2.00	6.30	0.48	CaO	0.69
Ti K	0.80	0.8735	0.92	0.26	0.34	1.53	0.43	TiO2	0.12
Mn K	0.24	0.8443	0.28 <	0.30	0.09	0.36 <	0.39	MnO	0.03
Fe K	32.24	0.8622	37.39	1.22	11.91	48.10	1.57	FeO	4.12
Total			130.84+/- 3.25	CompSum	105.29+/- 2.60			CatSum	10.59
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide

Table S225

Spectrum: 4 31-Okt-2013 07:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	92613	70.00/92.04	6	20.00

Peak omited: 8.050 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	77.58	1.3980	55.49	2.40	68.80	25.92	3.59	O	23.94
Na K	1.43	0.5069	2.83	0.70	2.44	3.81	0.94	Na2O	0.85
Mg K	0.88	0.4956	1.78	0.42	1.45	2.95	0.70	MgO	0.50
Al K	2.16	0.6119	3.53	0.40	2.59	6.67	0.76	Al2O3	0.90
Si K	4.16	0.7121	5.84	0.42	4.12	12.49	0.90	SiO2	1.43
P K	0.23	1.0218	0.22	0.22	0.14	0.50	0.50	P2O5	0.05
S K	0.44	0.8614	0.52	0.22	0.32	1.30	0.55	SO3	0.11
Cl K	0.25	0.8956	0.28	0.20	0.16	0.28	0.20	Cl	0.06
K K	0.72	1.1033	0.66	0.20	0.33	0.80	0.24	K2O	0.11
Ca K	0.76	1.0513	0.72	0.22	0.36	1.01	0.31	CaO	0.13
Ti K	1.61	0.9233	1.74	0.30	0.72	2.90	0.50	TiO2	0.25
Mn K	0.44	0.8664	0.51	0.30	0.19	0.66	0.39	MnO	0.07
Fe K	45.75	0.8839	51.75	1.40	18.38	66.58	1.80	FeO	6.40
Total			125.88+/- 3.02	CompSum	99.67+/- 2.67			CatSum	10.80
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide

Table S226

Spectrum: 5 31-Okt-2013 07:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	89592	70.00/91.07	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	62.52	0.7099	88.04	3.94	76.96	40.63	4.52	O	23.98
Na K	1.70	0.7414	2.29	0.46	1.39	3.09	0.62	Na2O	0.43
Mg K	0.18	0.6887	0.26	0.26	0.15	0.43	0.43	MgO	0.05
Al K	4.99	0.8061	6.19	0.40	3.21	11.70	0.76	Al2O3	1.00
Si K	8.38	0.8504	9.85	0.44	4.91	21.07	0.94	SiO2	1.53
P K	0.00	1.1209	0.00	0.00	0.00			P2O5	0.00
S K	13.25	0.9085	14.58	0.56	6.36	36.41	1.40	SO3	1.98
Cl K	0.15	0.8446	0.18	0.18	0.07	0.18	0.18	Cl	0.02
K K	0.27	1.0410	0.26	0.16	0.09	0.31	0.19	K2O	0.03

Ca K	18.36	0.9639	19.05	0.60	6.65	26.65	0.84	CaO	2.07
Ti K	0.00	0.7801	0.00	0.00	0.00			TiO2	0.00
Mn K	0.00	0.7930	0.00	0.00	0.00			MnO	0.00
Fe K	0.67	0.8117	0.82	0.34	0.21	1.05	0.44	FeO	0.07
Total			141.52+/- 4.12		CompSum	100.71+/- 2.22		CatSum	7.16
								An.Sum	24.00

Inferred phases: silicate glass, CaSO4·2H2O

Table S227

Spectrum: 6 31-Okt-2013 07:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	87891	70.00/90.46	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	64.71	0.6905	93.73	4.16	80.60	50.65	4.70	O	23.99
Na K	0.78	0.7041	1.11	0.42	0.66	1.50	0.57	Na2O	0.20
Mg K	0.16	0.6695	0.24 <	0.26	0.13	0.40 <	0.43	MgO	0.04
Al K	1.89	0.7891	2.40	0.30	1.22	4.53	0.57	Al2O3	0.36
Si K	3.28	0.8693	3.77	0.30	1.85	8.07	0.64	SiO2	0.55
P K	0.07	1.1999	0.06 <	0.18	0.03	0.14 <	0.41	P2O5	0.01
S K	17.28	0.9543	18.11	0.60	7.77	45.22	1.50	SO3	2.31
Cl K	0.11	0.8574	0.13 <	0.18	0.05	0.13 <	0.18	Cl	0.01
K K	0.22	1.0520	0.21	0.16	0.08	0.25	0.19	K2O	0.02
Ca K	20.88	0.9683	21.56	0.64	7.40	30.17	0.90	CaO	2.20
Ti K	0.08	0.7764	0.10 <	0.20	0.03	0.17 <	0.33	TiO2	0.01
Mn K	0.00	0.7897	0.00	0.00	0.00			MnO	0.00
Fe K	0.58	0.8086	0.72	0.32	0.18	0.93	0.41	FeO	0.05
Total			142.14+/- 4.33		CompSum	91.36+/- 2.18		CatSum	5.76
								An.Sum	24.00

Inferred phases: silicate glass, CaSO4·2H2O

Table S228

Spectrum: 7 31-Okt-2013 07:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	83835	70.00/89.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	41.82	0.8210	50.92	2.84	62.97	4.39	3.70	O	23.92
Na K	3.35	0.8046	4.17	0.50	3.59	5.62	0.67	Na2O	1.36
Mg K	1.66	0.7082	2.34	0.34	1.90	3.88	0.56	MgO	0.72
Al K	6.17	0.8003	7.71	0.44	5.65	14.57	0.83	Al2O3	2.15
Si K	19.86	0.8148	24.38	0.66	17.17	52.16	1.41	SiO2	6.52
P K	0.38	0.9226	0.41	0.24	0.26	0.94	0.55	P2O5	0.10
S K	1.55	0.7849	1.97	0.28	1.22	4.92	0.70	SO3	0.46
Cl K	0.29	0.8149	0.35	0.18	0.20	0.35	0.18	Cl	0.08
K K	3.28	1.0165	3.23	0.30	1.63	3.89	0.36	K2O	0.62
Ca K	3.83	0.9518	4.02	0.34	1.99	5.62	0.48	CaO	0.76
Ti K	0.95	0.8132	1.17	0.28	0.48	1.95	0.47	TiO2	0.18
Mn K	0.08	0.8143	0.10 <	0.26	0.03	0.13 <	0.34	MnO	0.01
Fe K	6.83	0.8330	8.20	0.64	2.91	10.55	0.82	FeO	1.11
Total			108.97+/- 3.16		CompSum	104.23+/- 2.37		CatSum	13.99
								An.Sum	24.00

Inferred phases: silicate glass

Table S229

Spectrum: 9 31-Okt-2013 07:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	94449	70.00/92.09	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	74.90	1.2583	59.53	2.66	68.31	24.61	3.77	O	23.94
Na K	1.64	0.5452	3.02	0.66	2.41	4.07	0.89	Na2O	0.84
Mg K	1.35	0.5272	2.56	0.44	1.93	4.25	0.73	MgO	0.68
Al K	2.90	0.6385	4.55	0.42	3.09	8.60	0.79	Al2O3	1.08
Si K	7.08	0.7286	9.72	0.48	6.35	20.79	1.03	SiO2	2.23
P K	0.12	1.0076	0.11 <	0.22	0.07	0.25 <	0.50	P2O5	0.02
S K	1.05	0.8506	1.24	0.26	0.71	3.10	0.65	SO3	0.25
Cl K	0.27	0.8809	0.30	0.20	0.16	0.30	0.20	Cl	0.06
K K	1.27	1.0865	1.17	0.22	0.55	1.41	0.27	K2O	0.19
Ca K	1.99	1.0308	1.93	0.26	0.88	2.70	0.36	CaO	0.31
Ti K	1.37	0.8974	1.52	0.30	0.58	2.54	0.50	TiO2	0.20
Mn K	0.23	0.8551	0.27 <	0.30	0.09	0.35 <	0.39	MnO	0.03
Fe K	39.48	0.8728	45.23	1.32	14.87	58.19	1.70	FeO	5.21
Total			131.15+/-	3.21	CompSum	106.24+/-	2.68	CatSum	11.05
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide

Table S230

Site: F2-7a

Spectrum: 1 31-Okt-2013 07:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	64900	70.00/84.73	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.49	1.5065	18.91	1.54	34.14	4.58	2.53	O	10.52
F K	11.86	0.4118	28.79	1.80	43.76	28.79	1.80	F	13.48
Na K	0.87	0.4824	1.80	0.58	2.26	2.43	0.78	Na2O	0.70
Mg K	0.30	0.4766	0.64	0.30	0.76	1.06	0.50	MgO	0.23
Al K	0.49	0.5988	0.82	0.24	0.88	1.55	0.45	Al2O3	0.27
Si K	0.57	0.7168	0.79	0.22	0.81	1.69	0.47	SiO2	0.25
S K	1.83	0.8947	2.05	0.26	1.84	5.12	0.65	SO3	0.57
K K	0.76	1.1127	0.68	0.18	0.50	0.82	0.22	K2O	0.15
Ca K	0.92	1.0538	0.87	0.20	0.63	1.22	0.28	CaO	0.19
Ti K	0.29	0.9182	0.32	0.20	0.19	0.53	0.33	TiO2	0.06
Mn K	0.45	0.8701	0.52	0.30	0.27	0.67	0.39	MnO	0.08
Fe K	23.85	0.8872	26.88	1.02	13.90	34.58	1.31	FeO	4.28
Cu K	0.10	0.8198	0.12 <	0.38	0.05	0.15 <	0.48	CuO	0.02
Total			83.18+/-	2.76	CompSum	49.82+/-	2.01	CatSum	6.81
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide

Table S231

Spectrum: 2 31-Okt-2013 07:56 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 79888 70.00/88.19 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.23	0.5780	38.45	3.16	51.16	-2.52 <	3.92	O	19.83
F K	1.92	0.2001	9.61	1.62	10.77	9.61	1.62	F	4.17
Na K	3.40	0.7419	4.58	0.58	4.24	6.17	0.78	Na2O	1.64
Mg K	1.03	0.6585	1.57	0.30	1.38	2.60	0.50	MgO	0.53
Al K	4.31	0.7662	5.62	0.38	4.43	10.62	0.72	Al2O3	1.72
Si K	13.22	0.8131	16.25	0.56	12.32	34.76	1.20	SiO2	4.77
S K	2.50	0.8414	2.98	0.30	1.98	7.44	0.75	SO3	0.77
K K	1.11	1.0722	1.04	0.20	0.56	1.25	0.24	K2O	0.22
Ca K	19.01	0.9876	19.25	0.60	10.22	26.93	0.84	CaO	3.96
Ti K	0.62	0.7923	0.78	0.26	0.35	1.30	0.43	TiO2	0.14
Mn K	0.24	0.8119	0.29	0.28	0.11	0.37	0.36	MnO	0.04
Fe K	4.51	0.8341	5.41	0.56	2.06	6.96	0.72	FeO	0.80
Cu K	1.03	0.8059	1.27	0.52	0.43	1.59	0.65	CuO	0.17
Total			107.10+/- 3.84		CompSum	100.01+/- 2.32		CatSum	14.76
								An.Sum	24.00

Inferred phases: silicate glass

Table S232

Spectrum: 3 31-Okt-2013 07:58 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 88470 70.00/90.86 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	70.16	1.2807	54.78	2.56	63.63	22.77	3.73	O	21.92
F K	1.56	0.2528	6.18	2.38	6.05	6.18	2.38	F	2.08
Na K	1.97	0.5219	3.77	0.76	3.05	5.08	1.02	Na2O	1.05
Mg K	1.17	0.5041	2.32	0.42	1.78	3.85	0.70	MgO	0.61
Al K	1.82	0.6176	2.95	0.38	2.03	5.57	0.72	Al2O3	0.70
Si K	3.63	0.7217	5.03	0.38	3.33	10.76	0.81	SiO2	1.15
S K	2.77	0.8739	3.17	0.32	1.84	7.92	0.80	SO3	0.63
K K	1.47	1.0981	1.34	0.22	0.64	1.61	0.27	K2O	0.22
Ca K	2.16	1.0406	2.07	0.26	0.96	2.90	0.36	CaO	0.33
Ti K	1.58	0.9060	1.74	0.30	0.67	2.90	0.50	TiO2	0.23
Mn K	0.87	0.8605	1.01	0.36	0.34	1.30	0.46	MnO	0.12
Fe K	41.16	0.8785	46.85	1.34	15.59	60.27	1.72	FeO	5.37
Cu K	0.29	0.8107	0.35 <	0.48	0.10	0.44 <	0.60	CuO	0.03
Total			131.58+/- 3.97		CompSum	102.61+/- 2.71		CatSum	10.45
								An.Sum	24.00

Inferred phases: silicate glass, iron oxide

Table S233

Inferred phases: silicate glass, iron oxide
Spectrum: 4 31-Okt-2013 08:00 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 74146 70.00/87.28 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O	K	27.87	0.7034	39.62	2.82	58.21	-1.05 <	3.63	O	21.84
F	K	0.91	0.1954	4.65	1.38	5.76	4.65	1.38	F	2.16
Na	K	2.56	0.7651	3.34	0.50	3.42	4.50	0.67	Na2O	1.28
Mg	K	1.50	0.6835	2.19	0.32	2.11	3.63	0.53	MgO	0.79
Al	K	2.99	0.7780	3.85	0.34	3.35	7.27	0.64	Al2O3	1.26
Si	K	11.87	0.8331	14.25	0.52	11.93	30.49	1.11	SiO2	4.48
S	K	7.05	0.8467	8.33	0.44	6.11	20.80	1.10	SO3	2.29
K	K	3.28	1.0241	3.20	0.30	1.92	3.85	0.36	K2O	0.72
Ca	K	6.27	0.9528	6.58	0.40	3.86	9.21	0.56	CaO	1.45
Ti	K	0.91	0.8047	1.13	0.26	0.55	1.88	0.43	TiO2	0.21
Mn	K	0.38	0.8130	0.47	0.28	0.20	0.61	0.36	MnO	0.08
Fe	K	4.88	0.8332	5.85	0.58	2.46	7.53	0.75	FeO	0.92
Cu	K	0.27	0.8017	0.34 <	0.42	0.12	0.43 <	0.53	CuO	0.05
Total				93.79+/-	3.42	CompSum	90.20+/-	2.28	CatSum	13.52
									An.Sum	24.00

Inferred phases: silicate glass

Table S234

Spectrum: 5 31-Okt-2013 08:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	71239	70.00/86.04	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	39.64	1.0501	37.76	2.44	44.68	6.53	3.22	O	13.99
F	K	8.37	0.2610	32.07	2.28	31.95	32.07	2.28	F	10.01
Na	K	3.84	0.6834	5.61	0.64	4.62	7.56	0.86	Na2O	1.45
Mg	K	0.92	0.6088	1.50	0.32	1.17	2.49	0.53	MgO	0.37
Al	K	2.98	0.7205	4.14	0.36	2.90	7.82	0.68	Al2O3	0.91
Si	K	6.87	0.7901	8.69	0.42	5.86	18.59	0.90	SiO2	1.84
S	K	6.84	0.8708	7.86	0.42	4.64	19.63	1.05	SO3	1.45
K	K	3.77	1.0347	3.65	0.28	1.77	4.40	0.34	K2O	0.55
Ca	K	1.54	0.9630	1.60	0.24	0.75	2.24	0.34	CaO	0.23
Ti	K	0.39	0.8232	0.47	0.22	0.19	0.78	0.37	TiO2	0.06
Mn	K	0.05	0.8215	0.06 <	0.22	0.02	0.08 <	0.28	MnO	0.01
Fe	K	3.23	0.8390	3.85	0.46	1.30	4.95	0.59	FeO	0.41
Cu	K	0.38	0.8040	0.48	0.40	0.14	0.60	0.50	CuO	0.04
Total				107.74+/-	3.57	CompSum	69.14+/-	2.11	CatSum	7.32
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S235

Spectrum: 7 31-Okt-2013 08:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	81750	70.00/88.95	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	37.22	0.8469	43.96	2.94	45.40	5.90	3.76	O	14.96
F	K	7.74	0.2452	31.57	2.42	27.45	31.57	2.42	F	9.04
Na	K	1.47	0.6659	2.21	0.54	1.59	2.98	0.73	Na2O	0.52
Mg	K	2.96	0.6291	4.70	0.44	3.19	7.79	0.73	MgO	1.05
Al	K	4.36	0.7160	6.08	0.42	3.73	11.49	0.79	Al2O3	1.23
Si	K	11.63	0.7783	14.95	0.54	8.79	31.98	1.16	SiO2	2.90

S	K	1.85	0.8440	2.19	0.28	1.13	5.47	0.70	SO3	0.37
K	K	1.26	1.0676	1.18	0.20	0.50	1.42	0.24	K2O	0.16
Ca	K	11.93	0.9933	12.01	0.50	4.95	16.80	0.70	CaO	1.63
Ti	K	0.67	0.8201	0.82	0.26	0.28	1.37	0.43	TiO2	0.09
Mn	K	0.38	0.8221	0.47	0.26	0.14	0.61	0.34	MnO	0.05
Fe	K	7.57	0.8411	9.00	0.68	2.66	11.58	0.87	FeO	0.88
Cu	K	0.56	0.8055	0.70	0.46	0.18	0.88	0.58	CuO	0.06
Total				129.83+/- 4.08		CompSum	92.37+/- 2.34		CatSum	8.94
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S236

Spectrum: 8 31-Okt-2013 08:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	70908	70.00/86.15	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O	K	20.44	0.7035	29.04	2.40	52.86	-9.39	3.19	O	22.82
F	K	0.39	0.2204	1.79	0.94	2.74	1.79	0.94	F	1.18
Na	K	2.24	0.8207	2.73	0.44	3.46	3.68	0.59	Na2O	1.49
Mg	K	1.19	0.7243	1.64	0.28	1.96	2.72	0.46	MgO	0.85
Al	K	5.18	0.8165	6.34	0.38	6.84	11.98	0.72	Al2O3	2.95
Si	K	16.16	0.8186	19.75	0.60	20.47	42.25	1.28	SiO2	8.84
S	K	1.75	0.7776	2.24	0.28	2.04	5.59	0.70	SO3	0.88
K	K	3.71	1.0160	3.66	0.30	2.72	4.41	0.36	K2O	1.17
Ca	K	3.37	0.9460	3.56	0.34	2.59	4.98	0.48	CaO	1.12
Ti	K	0.90	0.8120	1.11	0.26	0.67	1.85	0.43	TiO2	0.29
Mn	K	0.00	0.8186	0.00	0.00	0.00			MnO	0.00
Fe	K	5.85	0.8388	6.97	0.62	3.64	8.97	0.80	FeO	1.57
Cu	K	0.00	0.8059	0.00	0.00	0.00			CuO	0.00
Total				78.83+/- 2.86		CompSum	86.43+/- 2.10		CatSum	19.16
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S237

Spectrum: 9 31-Okt-2013 08:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	62160	70.00/83.73	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	25.30	1.1482	22.04	1.92	32.88
F	K	12.55	0.3331	37.68	2.02	47.33
Na	K	1.93	0.6477	2.99	0.52	3.10
Mg	K	1.37	0.5991	2.29	0.32	2.25
Al	K	1.32	0.6988	1.89	0.26	1.67
Si	K	4.41	0.7891	5.59	0.36	4.75
S	K	6.15	0.8820	6.97	0.40	5.19
K	K	2.16	1.0362	2.08	0.24	1.27
Ca	K	0.73	0.9697	0.76	0.20	0.45
Ti	K	0.23	0.8284	0.28	0.20	0.14
Mn	K	0.02	0.8254	0.03 <	0.20	0.01
Fe	K	1.72	0.8423	2.04	0.38	0.87

Cu K	0.18	0.8077	0.22 <	0.38	0.08
Total		84.86+/- 2.99			

Inferred phases: altered silicate glass

Table S238

Spectrum: 10 31-Okt-2013 08:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	76489	70.00/87.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.39	0.9634	30.51	2.44	33.24	-0.23 <	3.30	O	10.21
F K	15.14	0.3093	48.95	2.40	44.91	48.95	2.40	F	13.79
Na K	2.54	0.6323	4.02	0.66	3.05	5.42	0.89	Na2O	0.94
Mg K	1.63	0.5887	2.77	0.38	1.98	4.59	0.63	MgO	0.61
Al K	2.19	0.6937	3.16	0.34	2.04	5.97	0.64	Al2O3	0.63
Si K	5.54	0.7820	7.08	0.40	4.39	15.15	0.86	SiO2	1.35
S K	6.71	0.8873	7.56	0.42	4.11	18.88	1.05	SO3	1.26
K K	2.86	1.0608	2.69	0.26	1.20	3.24	0.31	K2O	0.37
Ca K	6.69	0.9852	6.79	0.40	2.95	9.50	0.56	CaO	0.91
Ti K	0.28	0.8258	0.34	0.22	0.12	0.57	0.37	TiO2	0.04
Mn K	0.40	0.8268	0.49	0.26	0.15	0.63	0.34	MnO	0.05
Fe K	4.48	0.8451	5.30	0.56	1.65	6.82	0.72	FeO	0.51
Cu K	0.57	0.8097	0.70	0.46	0.19	0.88	0.58	CuO	0.06
Total			120.36+/- 3.69		CompSum	71.64+/- 2.22		CatSum	6.70
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S239

Spectrum: 11 31-Okt-2013 08:13 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	80512	70.00/88.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.70	1.2548	41.20	2.34	45.23	12.31	3.43	O	14.25
F K	10.08	0.3008	33.49	2.36	30.96	33.49	2.36	F	9.75
Na K	3.45	0.5522	6.26	0.80	4.78	8.44	1.08	Na2O	1.51
Mg K	0.76	0.5148	1.47	0.38	1.06	2.44	0.63	MgO	0.33
Al K	0.80	0.6337	1.26	0.30	0.82	2.38	0.57	Al2O3	0.26
Si K	2.71	0.7468	3.63	0.32	2.27	7.77	0.68	SiO2	0.72
S K	6.08	0.8939	6.81	0.42	3.73	17.00	1.05	SO3	1.17
K K	2.54	1.0801	2.35	0.24	1.06	2.83	0.29	K2O	0.33
Ca K	1.02	1.0168	1.01	0.22	0.44	1.41	0.31	CaO	0.14
Ti K	1.66	0.8786	1.88	0.30	0.69	3.14	0.50	TiO2	0.22
Mn K	0.34	0.8488	0.40	0.28	0.13	0.52	0.36	MnO	0.04
Fe K	23.70	0.8665	27.36	1.06	8.60	35.20	1.36	FeO	2.71
Cu K	0.65	0.8120	0.80	0.50	0.22	1.00	0.63	CuO	0.07
Total			127.91+/- 3.72		CompSum	82.12+/- 2.50		CatSum	7.50
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S240

Site: F2-8

Spectrum: 1 31-Okt-2013 08:46 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 80069 70.00/88.80 6 20.00
Peak omited: 5.892 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	46.83	0.9728	48.14	2.60	61.60	10.23	3.61	O	22.70
F K	0.75	0.2290	3.27	1.86	3.52	3.27	1.86	F	1.30
Na K	2.64	0.6115	4.32	0.62	3.85	5.82	0.84	Na2O	1.42
Mg K	1.72	0.5693	3.03	0.40	2.55	5.02	0.66	MgO	0.94
Al K	3.47	0.6726	5.16	0.40	3.91	9.75	0.76	Al2O3	1.44
Si K	7.76	0.7481	10.38	0.48	7.57	22.21	1.03	SiO2	2.79
P K	0.11	1.0087	0.11 <	0.20	0.07	0.25 <	0.46	P2O5	0.03
S K	3.28	0.8491	3.87	0.34	2.47	9.66	0.85	SO3	0.91
K K	2.72	1.0685	2.55	0.26	1.33	3.07	0.31	K2O	0.49
Ca K	2.17	1.0066	2.16	0.28	1.10	3.02	0.39	CaO	0.41
Ti K	3.34	0.8681	3.84	0.38	1.64	6.41	0.63	TiO2	0.60
Fe K	24.36	0.8604	28.32	1.08	10.38	36.43	1.39	FeO	3.83
Total			115.13+/- 3.57		CompSum	101.65+/- 2.51		CatSum	12.85
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S241

Spectrum: 2 31-Okt-2013 08:48 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 63778 70.00/84.56 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	15.41	0.8196	18.80	1.84	45.41	-9.14	2.78	O	19.81
F K	1.34	0.2825	4.73	1.00	9.61	4.73	1.00	F	4.19
Na K	1.47	0.6205	2.36	0.44	3.97	3.18	0.59	Na2O	1.73
Mg K	0.64	0.5785	1.10	0.28	1.75	1.82	0.46	MgO	0.76
Al K	2.15	0.6919	3.11	0.32	4.46	5.88	0.60	Al2O3	1.95
Si K	5.79	0.7651	7.56	0.40	10.40	16.17	0.86	SiO2	4.54
P K	0.15	1.0065	0.15 <	0.18	0.19	0.34 <	0.41	P2O5	0.08
S K	4.25	0.8482	5.01	0.36	6.03	12.51	0.90	SO3	2.63
K K	2.97	1.0551	2.81	0.26	2.78	3.38	0.31	K2O	1.21
Ca K	1.91	0.9885	1.94	0.26	1.87	2.71	0.36	CaO	0.82
Ti K	0.97	0.8613	1.13	0.26	0.91	1.88	0.43	TiO2	0.40
Fe K	15.85	0.8699	18.22	0.88	12.61	23.44	1.13	FeO	5.50
Total			66.93+/- 2.46		CompSum	71.33+/- 2.08		CatSum	19.62
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S242

Spectrum: 3 31-Okt-2013 08:50 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 45.37 393127 82332 70.00/89.30 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	52.31	0.8902	58.77	2.94	63.71	16.37	3.72	O	21.82
F K	1.33	0.1911	6.97	1.86	6.37	6.97	1.86	F	2.18

Na	K	3.68	0.7568	4.86	0.56	3.67	6.55	0.75	Na2O 1.26
Mg	K	1.31	0.6724	1.95	0.32	1.39	3.23	0.53	MgO 0.48
Al	K	5.45	0.7747	7.03	0.42	4.52	13.28	0.79	Al2O3 1.55
Si	K	14.98	0.8090	18.52	0.58	11.44	39.62	1.24	SiO2 3.92
P	K	0.33	0.9847	0.34	0.20	0.19	0.78	0.46	P2O5 0.07
S	K	3.60	0.8253	4.37	0.36	2.36	10.91	0.90	SO3 0.81
K	K	5.40	1.0278	5.25	0.34	2.33	6.32	0.41	K2O 0.80
Ca	K	3.29	0.9515	3.46	0.32	1.50	4.84	0.45	CaO 0.51
Ti	K	0.75	0.8125	0.92	0.26	0.33	1.53	0.43	TiO2 0.11
Fe	K	5.87	0.8304	7.07	0.60	2.19	9.10	0.77	FeO 0.75
Total				119.52+/- 3.72		CompSum	96.17+/- 2.28		CatSum 10.25
									An.Sum 24.00

Inferred phases: altered silicate glass

Table S243

Spectrum: 4 31-Okt-2013 08:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	85711	70.00/90.11	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	56.36	0.8303	67.84	3.20	67.96	21.74	3.97	O	23.16
F	K	0.52	0.1769	2.93	1.86	2.47	2.93	1.86	F	0.84
Na	K	3.07	0.7545	4.06	0.52	2.83	5.47	0.70	Na2O	0.96
Mg	K	1.51	0.6808	2.22	0.34	1.46	3.68	0.56	MgO	0.50
Al	K	5.54	0.7810	7.09	0.42	4.21	13.40	0.79	Al2O3	1.43
Si	K	15.93	0.8180	19.48	0.60	11.11	41.67	1.28	SiO2	3.79
P	K	0.35	0.9970	0.36	0.22	0.18	0.82	0.50	P2O5	0.06
S	K	4.28	0.8330	5.13	0.38	2.57	12.81	0.95	SO3	0.88
K	K	5.00	1.0323	4.85	0.34	1.99	5.84	0.41	K2O	0.68
Ca	K	6.36	0.9552	6.65	0.40	2.66	9.30	0.56	CaO	0.91
Ti	K	0.93	0.8070	1.16	0.26	0.39	1.93	0.43	TiO2	0.13
Fe	K	6.23	0.8272	7.53	0.62	2.16	9.69	0.80	FeO	0.74
Total				129.30+/- 3.94		CompSum	104.63+/- 2.36		CatSum	10.07
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S244

Spectrum: 5 31-Okt-2013 08:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	87359	70.00/90.27	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	58.37	0.8786	66.43	3.10	64.62	20.56	3.92	O	21.87
F	K	1.44	0.1870	7.69	2.00	6.30	7.69	2.00	F	2.13
Na	K	3.60	0.7532	4.78	0.60	3.23	6.44	0.81	Na2O	1.09
Mg	K	1.49	0.6749	2.21	0.34	1.41	3.66	0.56	MgO	0.48
Al	K	5.67	0.7766	7.30	0.44	4.21	13.79	0.83	Al2O3	1.42
Si	K	16.82	0.8141	20.66	0.62	11.45	44.20	1.33	SiO2	3.87
P	K	0.34	0.9877	0.34	0.22	0.17	0.78	0.50	P2O5	0.06
S	K	3.60	0.8274	4.35	0.36	2.11	10.86	0.90	SO3	0.71

K	K	6.18	1.0305	6.00	0.36	2.39	7.23	0.43	K2O	0.81
Ca	K	4.30	0.9518	4.52	0.36	1.75	6.32	0.50	CaO	0.59
Ti	K	0.81	0.8104	1.00	0.26	0.33	1.67	0.43	TiO2	0.11
Fe	K	5.99	0.8290	7.23	0.62	2.01	9.30	0.80	FeO	0.68
Total				132.52+/- 3.94		CompSum	104.26+/- 2.40		CatSum	9.83
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S245

Spectrum: 6 31-Okt-2013 08:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	84746	70.00/89.72	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	56.79	1.0009	56.72	2.84	62.40	16.24	3.79	O	21.90
F K	1.41	0.2179	6.47	2.16	5.99	6.47	2.16	F	2.10
Na K	3.63	0.6519	5.57	0.66	4.26	7.51	0.89	Na2O	1.49
Mg K	2.35	0.5937	3.97	0.44	2.87	6.58	0.73	MgO	1.01
Al K	3.63	0.6891	5.27	0.42	3.44	9.96	0.79	Al2O3	1.21
Si K	8.05	0.7626	10.55	0.48	6.61	22.57	1.03	SiO2	2.32
P K	0.16	1.0263	0.16 <	0.20	0.09	0.37 <	0.46	P2O5	0.03
S K	5.65	0.8568	6.59	0.42	3.62	16.45	1.05	SO3	1.27
K K	3.98	1.0519	3.79	0.30	1.70	4.57	0.36	K2O	0.60
Ca K	3.75	0.9825	3.81	0.32	1.67	5.33	0.45	CaO	0.59
Ti K	0.50	0.8436	0.59	0.24	0.22	0.98	0.40	TiO2	0.08
Fe K	19.15	0.8489	22.56	0.96	7.11	29.02	1.24	FeO	2.50
Total			126.04+/- 3.89		CompSum	103.34+/- 2.52		CatSum	11.09
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S246

Spectrum: 7 31-Okt-2013 08:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	87239	70.00/90.26	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	72.07	1.0080	71.50	3.02	65.33	24.19	3.85	O	21.83
F K	1.61	0.1900	8.47	2.12	6.51	8.47	2.12	F	2.17
Na K	4.59	0.7611	6.03	0.62	3.84	8.13	0.84	Na2O	1.28
Mg K	2.04	0.6716	3.04	0.38	1.83	5.04	0.63	MgO	0.61
Al K	6.26	0.7667	8.17	0.46	4.43	15.44	0.87	Al2O3	1.48
Si K	18.42	0.8009	22.99	0.64	11.97	49.18	1.37	SiO2	4.00
P K	0.19	0.9636	0.20 <	0.22	0.09	0.46 <	0.50	P2O5	0.03
S K	2.60	0.8118	3.21	0.32	1.46	8.02	0.80	SO3	0.49
K K	3.56	1.0235	3.47	0.28	1.30	4.18	0.34	K2O	0.43
Ca K	2.54	0.9576	2.66	0.30	0.97	3.72	0.42	CaO	0.32
Ti K	1.03	0.8167	1.26	0.26	0.38	2.10	0.43	TiO2	0.13
Fe K	6.00	0.8290	7.24	0.62	1.90	9.31	0.80	FeO	0.63
Total			138.23+/- 3.94		CompSum	105.58+/- 2.39		CatSum	9.41
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S247

Spectrum: 8 31-Okt-2013 09:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	70241	70.00/85.97	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.41	0.4887	33.58	3.06	58.79	-2.50 <	3.65	O	21.94
F K	0.63	0.1686	3.75	1.28	5.53	3.75	1.28	F	2.06
Na K	1.36	0.7487	1.81	0.36	2.21	2.44	0.49	Na2O	0.82
Mg K	0.61	0.6883	0.89	0.22	1.03	1.48	0.36	MgO	0.38
Al K	1.56	0.7980	1.95	0.24	2.03	3.68	0.45	Al2O3	0.76
Si K	3.52	0.8733	4.03	0.28	4.02	8.62	0.60	SiO2	1.50
P K	0.01	1.1815	0.01 <	0.16	0.01	0.02 <	0.37	P2O5	0.00
S K	13.07	0.9492	13.77	0.52	12.03	34.38	1.30	SO3	4.49
K K	1.97	1.0493	1.87	0.24	1.34	2.25	0.29	K2O	0.50
Ca K	15.98	0.9614	16.62	0.58	11.61	23.25	0.81	CaO	4.33
Ti K	0.22	0.7700	0.28	0.22	0.16	0.47	0.37	TiO2	0.06
Fe K	2.02	0.8209	2.46	0.44	1.23	3.16	0.57	FeO	0.46
Total			81.04+/- 3.50	CompSum		79.77+/- 1.99		CatSum	13.31
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S248

Spectrum: 9 31-Okt-2013 09:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	69376	70.00/85.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	35.26	0.8415	41.90	2.64	58.02	6.29	3.37	O	20.18
F K	1.94	0.2058	9.42	1.66	10.99	9.42	1.66	F	3.82
Na K	2.73	0.7390	3.69	0.50	3.56	4.97	0.67	Na2O	1.24
Mg K	0.96	0.6625	1.45	0.28	1.32	2.40	0.46	MgO	0.46
Al K	4.22	0.7680	5.49	0.38	4.51	10.37	0.72	Al2O3	1.57
Si K	11.00	0.8071	13.62	0.50	10.75	29.14	1.07	SiO2	3.74
P K	0.30	0.9990	0.30	0.20	0.21	0.69	0.46	P2O5	0.07
S K	4.30	0.8349	5.15	0.36	3.56	12.86	0.90	SO3	1.24
K K	2.99	1.0306	2.90	0.28	1.64	3.49	0.34	K2O	0.57
Ca K	4.16	0.9604	4.33	0.34	2.39	6.06	0.48	CaO	0.83
Ti K	0.85	0.8146	1.04	0.24	0.48	1.73	0.40	TiO2	0.17
Fe K	5.41	0.8339	6.49	0.58	2.58	8.35	0.75	FeO	0.90
Total			95.79+/- 3.35	CompSum		80.07+/- 2.10		CatSum	10.78
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S249

Spectrum: 10 31-Okt-2013 09:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	73884	70.00/87.08	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	24.83	0.7476	33.21	2.50	48.96	-7.88	3.36	O	19.08
F K	2.34	0.2302	10.18	1.48	12.64	10.18	1.48	F	4.92
Na K	4.41	0.7883	5.59	0.54	5.74	7.54	0.73	Na2O	2.24
Mg K	0.77	0.6745	1.14	0.28	1.11	1.89	0.46	MgO	0.43
Al K	4.31	0.7832	5.50	0.38	4.81	10.39	0.72	Al2O3	1.87
Si K	14.12	0.8180	17.26	0.56	14.50	36.92	1.20	SiO2	5.65
P K	0.29	0.9671	0.30	0.22	0.23	0.69	0.50	P2O5	0.09
S K	4.62	0.8152	5.66	0.40	4.17	14.13	1.00	SO3	1.62
K K	3.59	1.0205	3.52	0.30	2.12	4.24	0.36	K2O	0.83
Ca K	4.29	0.9515	4.51	0.34	2.65	6.31	0.48	CaO	1.03
Ti K	0.90	0.8115	1.10	0.26	0.54	1.83	0.43	TiO2	0.21
Fe K	5.04	0.8373	6.02	0.58	2.54	7.74	0.75	FeO	0.99
Total			93.99+/- 3.18		CompSum	91.69+/- 2.25		CatSum	14.96
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S250

Spectrum: 11 31-Okt-2013 09:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.37	393127	85480	70.00/90.02	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	54.08	0.8671	62.37	3.08	63.90	17.51	3.88	O	21.96
F K	1.30	0.1887	6.88	1.94	5.94	6.88	1.94	F	2.04
Na K	3.70	0.7642	4.84	0.58	3.45	6.52	0.78	Na2O	1.19
Mg K	1.66	0.6802	2.44	0.36	1.65	4.05	0.60	MgO	0.57
Al K	5.60	0.7781	7.19	0.44	4.37	13.59	0.83	Al2O3	1.50
Si K	16.76	0.8132	20.62	0.62	12.03	44.11	1.33	SiO2	4.13
P K	0.21	0.9795	0.22	0.22	0.12	0.50	0.50	P2O5	0.04
S K	3.27	0.8228	3.98	0.34	2.03	9.94	0.85	SO3	0.70
K K	6.35	1.0286	6.17	0.36	2.59	7.43	0.43	K2O	0.89
Ca K	3.75	0.9492	3.95	0.34	1.62	5.53	0.48	CaO	0.56
Ti K	0.82	0.8099	1.01	0.26	0.34	1.68	0.43	TiO2	0.12
Fe K	5.56	0.8292	6.71	0.60	1.97	8.63	0.77	FeO	0.68
Total			126.38+/- 3.89		CompSum	101.99+/- 2.36		CatSum	10.37
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S251

Site: Filtr_T-1
Spectrum: 1 18-Feb-2014 04:28 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	248735	150.00/210.66	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.59	0.7405	58.86	1.72	61.28	10.59	2.23	O	21.96

F	K	1.20	0.1852	6.48	1.66	5.68	6.48	1.66	F	2.04
Na	K	3.67	0.7674	4.78	0.36	3.47	6.44	0.49	Na2O	1.24
Mg	K	1.68	0.6857	2.45	0.20	1.68	4.06	0.33	MgO	0.60
Al	K	6.31	0.7846	8.04	0.26	4.96	15.19	0.49	Al2O3	1.78
Si	K	19.48	0.8121	23.99	0.38	14.23	51.32	0.81	SiO2	5.10
P	K	0.38	0.9539	0.40	0.14	0.21	0.92	0.32	P2O5	0.08
S	K	2.17	0.8061	2.70	0.16	1.40	6.74	0.40	SO3	0.50
K	K	6.35	1.0269	6.19	0.22	2.64	7.46	0.27	K2O	0.95
Ca	K	4.16	0.9490	4.39	0.20	1.82	6.14	0.28	CaO	0.65
Ti	K	1.00	0.8103	1.23	0.16	0.43	2.05	0.27	TiO2	0.15
Cr	K	0.00	0.8343	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.04	0.8126	0.05 <	0.14	0.01	0.06 <	0.18	MnO	0.00
Fe	K	6.05	0.8311	7.27	0.34	2.17	9.35	0.44	FeO	0.78
Cu	K	0.05	0.7984	0.06 <	0.22	0.02	0.08 <	0.28	CuO	0.01
Total				126.88+/- 2.54		CompSum	109.82+/- 1.42		CatSum	11.84
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S252

Spectrum: 2 18-Feb-2014 04:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	218127	150.00/202.04	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	32.95	0.6974	47.24	1.58	62.02	7.67	2.04	O	22.62
F	K	0.62	0.1819	3.42	1.40	3.78	3.42	1.40	F	1.38
Na	K	2.18	0.7618	2.86	0.28	2.61	3.86	0.38	Na2O	0.95
Mg	K	1.40	0.6927	2.02	0.18	1.74	3.35	0.30	MgO	0.63
Al	K	5.37	0.7906	6.79	0.24	5.29	12.83	0.45	Al2O3	1.93
Si	K	15.70	0.8143	19.28	0.34	14.42	41.25	0.73	SiO2	5.26
P	K	0.36	0.9578	0.37	0.12	0.25	0.85	0.27	P2O5	0.09
S	K	1.71	0.8090	2.12	0.14	1.39	5.29	0.35	SO3	0.51
K	K	6.20	1.0310	6.01	0.20	3.23	7.24	0.24	K2O	1.18
Ca	K	3.96	0.9474	4.18	0.20	2.19	5.85	0.28	CaO	0.80
Ti	K	0.83	0.8091	1.03	0.14	0.45	1.72	0.23	TiO2	0.16
Cr	K	0.01	0.8353	0.01 <	0.12	0.01	0.01 <	0.18	Cr2O3	0.00
Mn	K	0.11	0.8129	0.13 <	0.14	0.05	0.17 <	0.18	MnO	0.02
Fe	K	5.66	0.8319	6.81	0.32	2.56	8.76	0.41	FeO	0.93
Cu	K	0.03	0.7992	0.03 <	0.22	0.01	0.04 <	0.28	CuO	0.00
Total				102.29+/- 2.25		CompSum	91.21+/- 1.29		CatSum	12.47
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S253

Spectrum: 3 18-Feb-2014 04:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	211000	150.00/200.08	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	29.33	0.7003	41.87	1.50	58.69	2.74	1.96	O	21.92
F	K	0.91	0.1925	4.73	1.32	5.58	4.73	1.32	F	2.08
Na	K	2.79	0.7642	3.65	0.30	3.56	4.92	0.40	Na2O	1.33

Mg K	1.19	0.6832	1.74	0.18	1.60	2.89	0.30	MgO	0.60
Al K	4.93	0.7847	6.28	0.22	5.22	11.87	0.42	Al2O3	1.95
Si K	14.94	0.8121	18.40	0.32	14.69	39.36	0.68	SiO2	5.49
P K	0.44	0.9555	0.46	0.12	0.33	1.05	0.27	P2O5	0.12
S K	2.34	0.8068	2.89	0.16	2.02	7.22	0.40	SO3	0.75
K K	5.29	1.0267	5.15	0.20	2.96	6.20	0.24	K2O	1.11
Ca K	3.33	0.9484	3.51	0.18	1.96	4.91	0.25	CaO	0.73
Ti K	0.93	0.8121	1.15	0.14	0.54	1.92	0.23	TiO2	0.20
Cr K	0.00	0.8388	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.01	0.8157	0.01 <	0.14	0.01	0.01 <	0.18	MnO	0.00
Fe K	5.69	0.8350	6.81	0.32	2.74	8.76	0.41	FeO	1.02
Cu K	0.22	0.8015	0.28	0.22	0.10	0.35	0.28	CuO	0.04
Total			96.94+/- 2.14	CompSum		89.46+/- 1.26		CatSum	13.34
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S254

Spectrum: 4 18-Feb-2014 04:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	241484	150.00/208.73	6	20.00

Peak omited: 14.920 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.25	0.7713	58.66	1.70	59.71	13.36	2.20	O	20.69
F K	2.11	0.1897	11.13	1.76	9.54	11.13	1.76	F	3.31
Na K	3.72	0.7447	4.99	0.36	3.54	6.73	0.49	Na2O	1.23
Mg K	1.52	0.6678	2.28	0.20	1.53	3.78	0.33	MgO	0.53
Al K	5.95	0.7707	7.71	0.26	4.66	14.57	0.49	Al2O3	1.62
Si K	17.24	0.8056	21.41	0.36	12.41	45.80	0.77	SiO2	4.30
P K	0.41	0.9712	0.43	0.12	0.22	0.99	0.27	P2O5	0.08
S K	2.47	0.8174	3.02	0.16	1.54	7.54	0.40	SO3	0.53
K K	6.71	1.0318	6.50	0.22	2.71	7.83	0.27	K2O	0.94
Ca K	3.94	0.9515	4.14	0.20	1.68	5.79	0.28	CaO	0.58
Ti K	0.81	0.8122	1.00	0.14	0.34	1.67	0.23	TiO2	0.12
Cr K	0.00	0.8355	0.00 <	0.12	0.00	0.00 <	0.18	Cr2O3	0.00
Mn K	0.09	0.8141	0.11 <	0.14	0.03	0.14 <	0.18	MnO	0.01
Fe K	5.68	0.8325	6.83	0.32	1.99	8.79	0.41	FeO	0.69
Cu K	0.32	0.7990	0.40	0.24	0.10	0.50	0.30	CuO	0.03
Total			128.62+/- 2.59	CompSum		104.12+/- 1.39		CatSum	10.66
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S255

Spectrum: 5 18-Feb-2014 04:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	220742	150.00/202.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.62	0.9336	40.28	1.34	60.88	9.48	1.95	O	22.46
F K	0.77	0.2344	3.28	1.82	4.17	3.28	1.82	F	1.54
Na K	1.26	0.5446	2.32	0.36	2.44	3.13	0.49	Na2O	0.90
Mg K	1.31	0.5293	2.47	0.24	2.45	4.10	0.40	MgO	0.90

Al	K	2.19	0.6390	3.42	0.20	3.07	6.46	0.38	Al2O3	1.13
Si	K	5.45	0.7320	7.44	0.24	6.41	15.92	0.51	SiO2	2.36
P	K	0.15	1.0156	0.14	0.12	0.11	0.32	0.27	P2O5	0.04
S	K	2.01	0.8565	2.35	0.16	1.77	5.87	0.40	SO3	0.65
K	K	2.07	1.0887	1.90	0.14	1.17	2.29	0.17	K2O	0.43
Ca	K	1.77	1.0289	1.72	0.14	1.04	2.41	0.20	CaO	0.38
Ti	K	3.09	0.8920	3.47	0.20	1.75	5.79	0.33	TiO2	0.65
Cr	K	0.00	0.9441	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.26	0.8550	0.31	0.16	0.13	0.40	0.21	MnO	0.05
Fe	K	29.18	0.8743	33.38	0.62	14.45	42.94	0.80	FeO	5.33
Cu	K	0.33	0.8127	0.41	0.26	0.15	0.51	0.33	CuO	0.06
Total				102.87+/- 2.45		CompSum	90.13+/- 1.41		CatSum	12.89
									An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S256

Spectrum: 6 18-Feb-2014 04:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	183489	150.00/192.63	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula	
O K	23.03	0.7235	31.83	1.32	53.62	-0.12	< 1.79	O		19.51
F K	1.81	0.2083	8.70	1.34	12.34	8.70	1.34	F		4.49
Na K	2.68	0.7266	3.69	0.32	4.33	4.97	0.43	Na2O		1.58
Mg K	0.79	0.6472	1.23	0.16	1.36	2.04	0.27	MgO		0.49
Al K	2.94	0.7562	3.89	0.18	3.88	7.35	0.34	Al2O3		1.41
Si K	10.02	0.8093	12.38	0.28	11.88	26.48	0.60	SiO2		4.32
P K	0.20	0.9929	0.20	0.10	0.18	0.46	0.23	P2O5		0.07
S K	4.25	0.8326	5.10	0.20	4.29	12.73	0.50	SO3		1.56
K K	3.19	1.0279	3.10	0.16	2.14	3.73	0.19	K2O		0.78
Ca K	3.36	0.9565	3.52	0.18	2.37	4.93	0.25	CaO		0.86
Ti K	0.53	0.8161	0.65	0.12	0.37	1.08	0.20	TiO2		0.13
Cr K	0.00	0.8442	0.00 <	0.12	0.00	0.00	< 0.18	Cr2O3		0.00
Mn K	0.10	0.8201	0.12 <	0.14	0.06	0.15	< 0.18	MnO		0.02
Fe K	5.03	0.8397	5.99	0.30	2.89	7.71	0.39	FeO		1.05
Cu K	0.57	0.8042	0.71	0.24	0.30	0.89	0.30	CuO		0.11
Total			81.11+/- 2.02		CompSum	72.53+/- 1.21		CatSum		12.39
								An.Sum		24.00

Inferred phases: altered silicate glass

Table S257

Spectrum: 7 18-Feb-2014 04:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	120147	150.00/176.91	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula	
O K	5.19	0.5788	8.97	0.80	41.87	-5.00	1.18	O		18.25
F K	0.81	0.2422	3.36	0.64	13.20	3.36	0.64	F		5.75
Na K	0.65	0.6415	1.01	0.18	3.29	1.36	0.24	Na2O		1.43
Mg K	0.21	0.5995	0.34	0.08	1.05	0.56	0.13	MgO		0.46
Al K	1.05	0.7199	1.46	0.12	4.05	2.76	0.23	Al2O3		1.77

Si K	3.86	0.7916	4.87	0.18	12.96	10.42	0.39	SiO2	5.65
P K	0.07	1.0003	0.07	0.06	0.17	0.16	0.14	P2O5	0.07
S K	1.38	0.8452	1.64	0.12	3.82	4.09	0.30	SO3	1.66
K K	2.31	1.0683	2.16	0.14	4.13	2.60	0.17	K2O	1.80
Ca K	2.67	0.9801	2.72	0.16	5.08	3.81	0.22	CaO	2.21
Ti K	0.63	0.8335	0.76	0.12	1.18	1.27	0.20	TiO2	0.51
Cr K	0.00	0.8758	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.08	0.8384	0.09 <	0.12	0.13	0.12 <	0.15	MnO	0.06
Fe K	5.42	0.8613	6.29	0.30	8.41	8.09	0.39	FeO	3.67
Cu K	0.46	0.8189	0.56	0.22	0.66	0.70	0.28	CuO	0.29
Total			34.31+/- 1.17		CompSum	35.94+/- 0.87		CatSum	19.58
								An.Sum	24.00

Table S258

Inferred phases: altered silicate glass

Spectrum: 8 18-Feb-2014 04:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	232262	150.00/205.92	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.48	0.7477	54.13	1.64	61.02	9.70	2.13	O	21.74
F K	1.25	0.1865	6.69	1.52	6.35	6.69	1.52	F	2.26
Na K	3.33	0.7589	4.39	0.34	3.44	5.92	0.46	Na2O	1.23
Mg K	1.24	0.6795	1.83	0.18	1.36	3.03	0.30	MgO	0.48
Al K	6.49	0.7834	8.29	0.26	5.54	15.66	0.49	Al2O3	1.97
Si K	16.32	0.8044	20.30	0.34	13.03	43.43	0.73	SiO2	4.64
P K	0.29	0.9641	0.30	0.12	0.18	0.69	0.27	P2O5	0.06
S K	2.91	0.8130	3.57	0.18	2.01	8.91	0.45	SO3	0.72
K K	5.39	1.0270	5.24	0.20	2.42	6.31	0.24	K2O	0.86
Ca K	4.25	0.9507	4.47	0.20	2.01	6.25	0.28	CaO	0.72
Ti K	0.64	0.8107	0.79	0.14	0.30	1.32	0.23	TiO2	0.11
Cr K	0.00	0.8357	0.00 <	0.12	0.00	0.00 <	0.18	Cr2O3	0.00
Mn K	0.11	0.8137	0.13 <	0.14	0.04	0.17 <	0.18	MnO	0.01
Fe K	5.69	0.8323	6.84	0.32	2.21	8.80	0.41	FeO	0.79
Cu K	0.25	0.7989	0.31	0.22	0.09	0.39	0.28	CuO	0.03
Total			117.29+/- 2.38		CompSum	100.89+/- 1.36		CatSum	11.62
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S259

Spectrum: 9 18-Feb-2014 05:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	218686	150.00/202.45	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.75	0.7563	45.94	1.56	54.37	5.60	2.02	O	18.84
F K	3.06	0.2046	14.93	1.64	14.88	14.93	1.64	F	5.16
Na K	2.83	0.7280	3.88	0.32	3.20	5.23	0.43	Na2O	1.11
Mg K	1.22	0.6610	1.85	0.18	1.44	3.07	0.30	MgO	0.50
Al K	4.77	0.7667	6.22	0.22	4.36	11.75	0.42	Al2O3	1.51
Si K	14.28	0.8083	17.67	0.32	11.91	37.80	0.68	SiO2	4.13
P K	0.27	0.9840	0.28	0.12	0.17	0.64	0.27	P2O5	0.06
S K	3.60	0.8267	4.36	0.18	2.58	10.89	0.45	SO3	0.89

K	K	5.54	1.0321	5.37	0.20	2.60	6.47	0.24	K2O	0.90
Ca	K	3.67	0.9538	3.84	0.18	1.82	5.37	0.25	CaO	0.63
Ti	K	0.79	0.8143	0.97	0.14	0.38	1.62	0.23	TiO2	0.13
Cr	K	0.00	0.8386	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.06	0.8165	0.08 <	0.14	0.03	0.10 <	0.18	MnO	0.01
Fe	K	5.42	0.8351	6.49	0.32	2.20	8.35	0.41	FeO	0.76
Cu	K	0.18	0.8016	0.22	0.22	0.07	0.28	0.28	CuO	0.02
Total				112.09+/- 2.39		CompSum	91.57+/- 1.28		CatSum	10.66
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S260

Spectrum: 10 18-Feb-2014 05:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	212966	150.00/200.87	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.69	0.6903	41.55	1.50	56.42	2.13	1.99	O	20.93
F K	1.42	0.1965	7.24	1.38	8.28	7.24	1.38	F	3.07
Na K	2.91	0.7540	3.86	0.32	3.65	5.20	0.43	Na2O	1.35
Mg K	1.21	0.6753	1.80	0.18	1.61	2.98	0.30	MgO	0.60
Al K	4.90	0.7779	6.30	0.24	5.07	11.90	0.45	Al2O3	1.88
Si K	14.78	0.8094	18.26	0.32	14.12	39.06	0.68	SiO2	5.24
P K	0.26	0.9615	0.27	0.12	0.19	0.62	0.27	P2O5	0.07
S K	2.41	0.8126	2.97	0.16	2.01	7.42	0.40	SO3	0.75
K K	5.10	1.0323	4.94	0.20	2.74	5.95	0.24	K2O	1.02
Ca K	4.70	0.9531	4.93	0.20	2.67	6.90	0.28	CaO	0.99
Ti K	0.76	0.8112	0.94	0.14	0.43	1.57	0.23	TiO2	0.16
Cr K	0.04	0.8384	0.05 <	0.12	0.02	0.07 <	0.18	Cr2O3	0.01
Mn K	0.11	0.8160	0.14	0.14	0.06	0.18	0.18	MnO	0.02
Fe K	5.71	0.8353	6.84	0.32	2.66	8.80	0.41	FeO	0.99
Cu K	0.20	0.8022	0.24	0.24	0.08	0.30	0.30	CuO	0.03
Total			100.33+/- 2.19		CompSum	90.96+/- 1.30		CatSum	13.10
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S261

Spectrum: 11 18-Feb-2014 05:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391392	141857	150.00/182.45	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	3.96	0.4675	8.48	0.88	35.57	-11.83	1.29	O	19.67
F K	0.52	0.2349	2.22	0.54	7.82	2.22	0.54	F	4.33
Na K	0.65	0.7501	0.87	0.14	2.54	1.17	0.19	Na2O	1.40
Mg K	0.31	0.6919	0.45	0.10	1.25	0.75	0.17	MgO	0.69
Al K	1.90	0.8048	2.36	0.14	5.86	4.46	0.26	Al2O3	3.24
Si K	7.95	0.8397	9.46	0.22	22.60	20.24	0.47	SiO2	12.50
P K	0.07	0.9448	0.07 <	0.08	0.16	0.16 <	0.18	P2O5	0.09
S K	1.30	0.8082	1.60	0.12	3.35	4.00	0.30	SO3	1.85
K K	4.71	1.0459	4.50	0.18	7.72	5.42	0.22	K2O	4.27
Ca K	2.90	0.9402	3.08	0.18	5.16	4.31	0.25	CaO	2.85
Ti K	0.73	0.8097	0.90	0.14	1.26	1.50	0.23	TiO2	0.70
Cr K	0.00	0.8511	0.00	0.00	0.00			Cr2O3	0.00

Mn K	0.09	0.8275	0.10 <	0.14	0.13	0.13 <	0.18	MnO	0.07
Fe K	4.56	0.8514	5.35	0.30	6.43	6.88	0.39	FeO	3.56
Cu K	0.11	0.8195	0.13 <	0.22	0.14	0.16 <	0.28	CuO	0.08
Total			39.59+/- 1.19		CompSum	49.18+/- 0.95		CatSum	31.31
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S262

Site: Filtr_T-2
Spectrum: 1 18-Feb-2014 06:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	109740	70.00/96.34	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.93	0.7154	47.41	2.38	59.58	0.74 <	3.30	O	22.70
F K	0.60	0.1921	3.13	1.86	3.31	3.13	1.86	F	1.26
Na K	1.94	0.7823	2.47	0.40	2.16	3.33	0.54	Na2O	0.82
Mg K	1.80	0.7132	2.52	0.28	2.08	4.18	0.46	MgO	0.79
Al K	6.28	0.8044	7.81	0.36	5.82	14.76	0.68	Al2O3	2.22
Si K	21.95	0.8169	26.87	0.56	19.24	57.48	1.20	SiO2	7.33
P K	0.36	0.9033	0.40	0.20	0.26	0.92	0.46	P2O5	0.10
S K	0.00	0.7731	0.00	0.00	0.00			SO3	0.00
Cl K	0.15	0.8164	0.18	0.14	0.10	0.18	0.14	Cl	0.04
K K	2.59	1.0202	2.54	0.24	1.30	3.06	0.29	K2O	0.50
Ca K	4.54	0.9579	4.74	0.28	2.38	6.63	0.39	CaO	0.91
Ti K	1.40	0.8150	1.72	0.26	0.72	2.87	0.43	TiO2	0.27
Mn K	0.21	0.8156	0.26	0.22	0.10	0.34	0.28	MnO	0.04
Fe K	6.68	0.8346	8.00	0.50	2.88	10.29	0.64	FeO	1.10
Cu K	0.00	0.8008	0.00	0.00	0.00			CuO	0.00
Mo L	0.19	0.6489	0.30 <	0.86	0.06	0.45 <	1.29	MoO3	0.02
Ba L	0.00	0.7799	0.00	0.00	0.00			BaO	0.00
Total			108.34+/- 3.33		CompSum	104.30+/- 2.28		CatSum	14.10
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S263

Spectrum: 2 18-Feb-2014 06:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	110952	70.00/96.68	6	20.00

Peak omited: 10.780 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.61	0.7385	46.85	2.32	59.10	-0.57 <	3.45	O	22.96

F K	0.44	0.1958	2.27	1.82	2.41	2.27	1.82	F	0.94
Na K	3.21	0.8168	3.93	0.44	3.45	5.30	0.59	Na2O	1.34
Mg K	1.65	0.7205	2.29	0.28	1.90	3.80	0.46	MgO	0.74
Al K	6.87	0.8122	8.46	0.38	6.33	15.98	0.72	Al2O3	2.46
Si K	22.57	0.8146	27.71	0.58	19.91	59.28	1.24	SiO2	7.74
P K	0.44	0.8913	0.49	0.20	0.32	1.12	0.46	P2O5	0.12
S K	0.03	0.7641	0.04 <	0.28	0.03	0.10 <	0.70	SO3	0.01
Cl K	0.37	0.8093	0.46	0.16	0.26	0.46	0.16	Cl	0.10
K K	3.67	1.0107	3.63	0.26	1.87	4.37	0.31	K2O	0.73
Ca K	2.39	0.9473	2.53	0.24	1.27	3.54	0.34	CaO	0.49
Ti K	1.17	0.8143	1.44	0.26	0.61	2.40	0.43	TiO2	0.24
Mn K	0.06	0.8152	0.07 <	0.20	0.03	0.09 <	0.26	MnO	0.01
Fe K	5.70	0.8339	6.84	0.48	2.47	8.80	0.62	FeO	0.96
Cu K	0.04	0.8009	0.05 <	0.32	0.01	0.06 <	0.40	CuO	0.00
Mo L	0.04	0.6413	0.07 <	0.88	0.01	0.11 <	1.32	MoO3	0.00
Ba L	0.13	0.7791	0.17 <	0.58	0.02	0.19 <	0.65	BaO	0.01
Total			107.27+/- 3.36	CompSum	105.14+/- 2.55			CatSum	14.85
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S264

Spectrum: 4 18-Feb-2014 06:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	98821	70.00/93.02	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.90	0.7480	39.97	2.24	61.89	10.26	3.28	O	21.28
F K	1.08	0.1820	5.96	2.10	7.77	5.96	2.10	F	2.67
Na K	1.74	0.7443	2.34	0.42	2.53	3.15	0.57	Na2O	0.87
Mg K	1.11	0.6804	1.62	0.26	1.66	2.69	0.43	MgO	0.57
Al K	3.75	0.7803	4.81	0.30	4.41	9.09	0.57	Al2O3	1.52
Si K	12.05	0.8160	14.77	0.44	13.03	31.60	0.94	SiO2	4.48
P K	0.28	0.9716	0.29	0.16	0.23	0.66	0.37	P2O5	0.08
S K	1.21	0.8177	1.48	0.34	1.15	3.70	0.85	SO3	0.40
Cl K	0.18	0.8400	0.21	0.12	0.15	0.21	0.12	Cl	0.05
K K	4.55	1.0318	4.41	0.26	2.79	5.31	0.31	K2O	0.96
Ca K	2.74	0.9506	2.89	0.24	1.78	4.04	0.34	CaO	0.61
Ti K	0.75	0.8108	0.92	0.22	0.48	1.53	0.37	TiO2	0.17
Mn K	0.12	0.8123	0.14 <	0.18	0.06	0.18 <	0.23	MnO	0.02
Fe K	3.79	0.8307	4.57	0.40	2.03	5.88	0.51	FeO	0.70
Cu K	0.00	0.7982	0.00	0.00	0.00			CuO	0.00
Mo L	0.15	0.6860	0.22 <	1.06	0.06	0.33 <	1.59	MoO3	0.02
Ba L	0.00	0.7757	0.00	0.00	0.00			BaO	0.00
Total			84.59+/- 3.41	CompSum	68.17+/- 2.40			CatSum	10.39
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S265

Spectrum: 5 18-Feb-2014 06:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0	49.37	391769	99599		70.00/93.87		6	20.00		
Peak omited: 12.620 keV										
Counted by INCA/Oxygen by stoichiometry										
INCA Proc.Option: All elements analyzed										
Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	35.09	0.7679	45.67	2.24	62.46	7.40	3.25	O	22.57
F	K	0.61	0.1859	3.26	1.88	3.76	3.26	1.88	F	1.36
Na	K	2.14	0.7718	2.78	0.42	2.64	3.75	0.57	Na2O	0.95
Mg	K	1.43	0.6986	2.05	0.26	1.85	3.40	0.43	MgO	0.67
Al	K	5.56	0.7933	7.01	0.34	5.68	13.25	0.64	Al2O3	2.05
Si	K	17.18	0.8082	21.26	0.52	16.56	45.48	1.11	SiO2	5.98
P	K	0.37	0.9212	0.40	0.18	0.28	0.92	0.41	P2O5	0.10
S	K	0.11	0.7840	0.14 <	0.28	0.10	0.35 <	0.70	SO3	0.04
Cl	K	0.28	0.8235	0.34	0.14	0.21	0.34	0.14	Cl	0.08
K	K	1.96	1.0223	1.92	0.20	1.07	2.31	0.24	K2O	0.39
Ca	K	3.92	0.9597	4.08	0.26	2.23	5.71	0.36	CaO	0.81
Ti	K	0.91	0.8146	1.11	0.24	0.51	1.85	0.40	TiO2	0.18
Mn	K	0.10	0.8140	0.12 <	0.18	0.05	0.15 <	0.23	MnO	0.02
Fe	K	5.36	0.8323	6.44	0.46	2.52	8.28	0.59	FeO	0.91
Cu	K	0.00	0.7983	0.00	0.00	0.00			CuO	0.00
Mo	L	0.17	0.6580	0.25 <	0.86	0.06	0.38 <	1.29	MoO3	0.02
Ba	L	0.04	0.7794	0.05 <	0.50	0.01	0.06 <	0.56	BaO	0.00
Total				96.88+/- 3.27		CompSum	85.88+/- 2.36		CatSum	12.12
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S266

Spectrum: 6							18-Feb-2014 06:43 PM			
Energy Resn.		Area	TOT.AR.		L./R.time(s)	P.time U(kV)				
.0	49.37	391769	107068		70.00/95.44		6	20.00		
Counted by INCA/Oxygen by stoichiometry										
INCA Proc.Option: All elements analyzed										
Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	45.53	0.8200	55.50	2.44	68.63	21.27	3.43	O	22.86
F	K	0.55	0.1700	3.24	2.48	3.38	3.24	2.48	F	1.13
Na	K	1.82	0.7291	2.49	0.44	2.14	3.36	0.59	Na2O	0.71
Mg	K	1.13	0.6727	1.68	0.26	1.37	2.79	0.43	MgO	0.46
Al	K	4.80	0.7761	6.19	0.34	4.54	11.70	0.64	Al2O3	1.51
Si	K	14.51	0.8090	17.93	0.48	12.63	38.36	1.03	SiO2	4.21
P	K	0.28	0.9663	0.29	0.18	0.18	0.66	0.41	P2O5	0.06
S	K	0.49	0.8141	0.60	0.30	0.37	1.50	0.75	SO3	0.12
Cl	K	0.05	0.8438	0.05 <	0.12	0.03	0.05 <	0.12	Cl	0.01
K	K	4.23	1.0343	4.08	0.26	2.07	4.91	0.31	K2O	0.69
Ca	K	3.30	0.9579	3.45	0.24	1.70	4.83	0.34	CaO	0.57
Ti	K	0.79	0.8145	0.97	0.22	0.40	1.62	0.37	TiO2	0.13
Mn	K	0.12	0.8119	0.15 <	0.18	0.05	0.19 <	0.23	MnO	0.02
Fe	K	5.65	0.8296	6.81	0.46	2.41	8.76	0.59	FeO	0.80
Cu	K	0.06	0.7946	0.07 <	0.28	0.02	0.09 <	0.35	CuO	0.01
Mo	L	0.24	0.6831	0.35 <	0.92	0.07	0.53 <	1.38	MoO3	0.02
Ba	L	0.01	0.7793	0.01 <	0.48	0.00	0.01 <	0.54	BaO	0.00
Total				103.87+/- 3.80		CompSum	79.30+/- 2.41		CatSum	9.31

												An.Sum	24.00

Inferred phases: altered silicate glass

Table S267

Spectrum: 7 18-Feb-2014 06:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	91687	70.00/91.14	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.76	0.7456	38.56	2.12	66.49	8.50	2.67	O	23.67
F K	0.10	0.1675	0.61 <	1.44	0.89	0.61 <	1.44	F	0.32
Na K	2.16	0.8479	2.54	0.36	3.05	3.42	0.49	Na2O	1.09
Mg K	0.09	0.7447	0.12 <	0.16	0.13	0.20 <	0.27	MgO	0.05
Al K	7.93	0.8566	9.26	0.36	9.47	17.50	0.68	Al2O3	3.37
Si K	12.44	0.7934	15.68	0.44	15.40	33.54	0.94	SiO2	5.48
P K	0.05	0.9105	0.06 <	0.14	0.05	0.14 <	0.32	P2O5	0.02
S K	0.30	0.7769	0.39	0.26	0.33	0.97	0.65	SO3	0.12
Cl K	0.03	0.8141	0.03 <	0.12	0.03	0.03 <	0.12	Cl	0.01
K K	0.50	1.0141	0.50	0.14	0.35	0.60	0.17	K2O	0.12
Ca K	4.76	0.9525	5.00	0.28	3.44	7.00	0.39	CaO	1.22
Ti K	0.05	0.7959	0.06 <	0.16	0.04	0.10 <	0.27	TiO2	0.01
Mn K	0.03	0.8035	0.04 <	0.16	0.02	0.05 <	0.21	MnO	0.01
Fe K	0.50	0.8214	0.61	0.22	0.30	0.78	0.28	FeO	0.11
Cu K	0.02	0.7929	0.03 <	0.26	0.01	0.04 <	0.33	CuO	0.00
Mo L	0.00	0.6520	0.00	0.00	0.00			MoO3	0.00
Ba L	0.00	0.7611	0.00	0.00	0.00			BaO	0.00
Total			73.48+/-	2.72	CompSum	64.35+/-	1.63	CatSum	11.60
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S268

Spectrum: 8 18-Feb-2014 06:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	97015	70.00/93.00	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.03	0.7063	36.85	2.20	54.79	1.35 <	3.32	O	20.32
F K	1.61	0.2041	7.87	2.04	9.86	7.87	2.04	F	3.66
Na K	2.07	0.7501	2.76	0.42	2.85	3.72	0.57	Na2O	1.06
Mg K	1.46	0.6817	2.14	0.26	2.09	3.55	0.43	MgO	0.78
Al K	4.96	0.7772	6.38	0.34	5.62	12.05	0.64	Al2O3	2.08
Si K	14.43	0.8020	17.99	0.48	15.24	38.49	1.03	SiO2	5.65
P K	0.28	0.9420	0.30	0.18	0.23	0.69	0.41	P2O5	0.09
S K	0.67	0.8002	0.84	0.32	0.62	2.10	0.80	SO3	0.23
Cl K	0.08	0.8341	0.10 <	0.12	0.06	0.10 <	0.12	Cl	0.02
K K	4.85	1.0337	4.69	0.28	2.85	5.65	0.34	K2O	1.06
Ca K	3.44	0.9549	3.61	0.26	2.14	5.05	0.36	CaO	0.79

Ti K	1.00	0.8158	1.23	0.24	0.61	2.05	0.40	TiO2	0.23
Mn K	0.02	0.8181	0.03 <	0.20	0.01	0.04 <	0.26	MnO	0.00
Fe K	5.67	0.8374	6.77	0.46	2.88	8.71	0.59	FeO	1.07
Cu K	0.12	0.8038	0.15 <	0.32	0.05	0.19 <	0.40	CuO	0.02
Mo L	0.14	0.6715	0.20 <	0.96	0.05	0.30 <	1.44	MoO3	0.02
Ba L	0.06	0.7806	0.08 <	0.52	0.01	0.09 <	0.58	BaO	0.00
Total			91.97+/- 3.39	CompSum	82.67+/- 2.49			CatSum	13.07
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S269

Spectrum: 9 18-Feb-2014 06:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	122740	70.00/99.79	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	54.36	0.7998	67.93	2.66	66.41	17.10	3.46	O	23.15
F K	0.51	0.1744	2.91	2.38	2.39	2.91	2.38	F	0.83
Na K	2.16	0.7747	2.78	0.44	1.89	3.75	0.59	Na2O	0.66
Mg K	2.15	0.7092	3.03	0.32	1.95	5.02	0.53	MgO	0.68
Al K	7.35	0.7996	9.19	0.40	5.33	17.36	0.76	Al2O3	1.86
Si K	23.43	0.8142	28.78	0.60	16.03	61.57	1.28	SiO2	5.59
P K	0.46	0.9246	0.50	0.20	0.25	1.15	0.46	P2O5	0.09
S K	0.37	0.7853	0.47	0.30	0.23	1.17	0.75	SO3	0.08
Cl K	0.09	0.8232	0.11 <	0.14	0.05	0.11 <	0.14	Cl	0.02
K K	2.47	1.0211	2.42	0.24	0.97	2.92	0.29	K2O	0.34
Ca K	5.09	0.9577	5.31	0.30	2.07	7.43	0.42	CaO	0.72
Ti K	1.10	0.8110	1.36	0.26	0.44	2.27	0.43	TiO2	0.15
Mn K	0.17	0.8099	0.21 <	0.22	0.06	0.27 <	0.28	MnO	0.02
Fe K	5.68	0.8277	6.86	0.48	1.92	8.83	0.62	FeO	0.67
Cu K	0.00	0.7944	0.00	0.00	0.00			CuO	0.00
Mo L	0.00	0.6590	0.00	0.00	0.00			MoO3	0.00
Ba L	0.06	0.7759	0.08 <	0.56	0.01	0.09 <	0.63	BaO	0.00
Total			131.94+/- 3.81	CompSum	111.82+/- 2.22			CatSum	10.86
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S270

Spectrum: 10 18-Feb-2014 06:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	88497	70.00/90.30	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.19	0.7797	25.89	1.82	55.03	2.41 <	2.71	O	19.77
F K	1.35	0.2074	6.52	1.74	11.67	6.52	1.74	F	4.19
Na K	1.81	0.7468	2.43	0.38	3.59	3.28	0.51	Na2O	1.29
Mg K	0.97	0.6704	1.45	0.24	2.03	2.40	0.40	MgO	0.73

Al	K	3.30	0.7674	4.30	0.28	5.42	8.12	0.53	Al2O3	1.95
Si	K	9.64	0.7952	12.13	0.40	14.69	25.95	0.86	SiO2	5.28
P	K	0.28	0.9384	0.29	0.16	0.32	0.66	0.37	P2O5	0.11
S	K	0.19	0.7962	0.24 <	0.26	0.25	0.60 <	0.65	SO3	0.09
Cl	K	0.09	0.8307	0.11 <	0.12	0.10	0.11 <	0.12	Cl	0.04
K	K	1.85	1.0289	1.80	0.18	1.56	2.17	0.22	K2O	0.56
Ca	K	2.09	0.9624	2.17	0.22	1.84	3.04	0.31	CaO	0.66
Ti	K	0.65	0.8205	0.80	0.20	0.57	1.33	0.33	TiO2	0.20
Mn	K	0.09	0.8192	0.11 <	0.16	0.07	0.14 <	0.21	MnO	0.03
Fe	K	3.72	0.8376	4.44	0.38	2.70	5.71	0.49	FeO	0.97
Cu	K	0.00	0.8030	0.00	0.00	0.00			CuO	0.00
Mo	L	0.30	0.6682	0.45 <	0.82	0.16	0.68 <	1.23	MoO3	0.06
Ba	L	0.00	0.7851	0.00	0.00	0.00			BaO	0.00
Total				63.11+/- 2.80		CompSum	54.09+/- 2.01		CatSum	11.93
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S271

Spectrum: 11 18-Feb-2014 06:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	112863	70.00/97.17	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	41.48	0.7637	54.28	2.46	62.01	8.00	3.47	O	22.66
F	K	0.70	0.1866	3.78	2.26	3.64	3.78	2.26	F	1.33
Na	K	2.90	0.7785	3.72	0.46	2.96	5.01	0.62	Na2O	1.08
Mg	K	1.62	0.6994	2.32	0.28	1.74	3.85	0.46	MgO	0.64
Al	K	6.66	0.7956	8.37	0.38	5.67	15.81	0.72	Al2O3	2.07
Si	K	21.19	0.8100	26.16	0.56	17.02	55.96	1.20	SiO2	6.22
P	K	0.42	0.9170	0.46	0.20	0.27	1.05	0.46	P2O5	0.10
S	K	0.05	0.7814	0.07 <	0.28	0.04	0.17 <	0.70	SO3	0.01
Cl	K	0.06	0.8229	0.07 <	0.12	0.04	0.07 <	0.12	Cl	0.01
K	K	3.78	1.0224	3.70	0.26	1.73	4.46	0.31	K2O	0.63
Ca	K	3.88	0.9545	4.07	0.26	1.85	5.69	0.36	CaO	0.68
Ti	K	1.02	0.8139	1.26	0.26	0.48	2.10	0.43	TiO2	0.18
Mn	K	0.18	0.8141	0.22	0.20	0.07	0.28	0.26	MnO	0.03
Fe	K	6.14	0.8325	7.37	0.48	2.41	9.48	0.62	FeO	0.88
Cu	K	0.11	0.7985	0.14 <	0.32	0.04	0.18 <	0.40	CuO	0.01
Mo	L	0.10	0.6558	0.15 <	0.88	0.03	0.23 <	1.32	MoO3	0.01
Ba	L	0.00	0.7787	0.00	0.00	0.00			BaO	0.00
Total				116.11+/- 3.66		CompSum	104.29+/- 2.45		CatSum	12.54
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S272

Spectrum: 12 18-Feb-2014 06:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	103796	70.00/94.96	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	48.67	1.3378	36.38	1.56	68.18	17.44	2.53	O	23.95
F K	0.00	0.2601	0.00	0.00	0.00			F	0.00
Na K	0.30	0.4573	0.65	0.52	0.84	0.88	0.70	Na2O	0.30
Mg K	0.19	0.4637	0.41	0.30	0.50	0.68	0.50	MgO	0.18
Al K	0.87	0.5879	1.47	0.26	1.64	2.78	0.49	Al2O3	0.58
Si K	1.67	0.7018	2.38	0.24	2.54	5.09	0.51	SiO2	0.89
P K	0.05	1.0353	0.05 <	0.16	0.05	0.11 <	0.37	P2O5	0.02
S K	0.35	0.8745	0.40	0.30	0.37	1.00	0.75	SO3	0.13
Cl K	0.14	0.9094	0.16	0.14	0.13	0.16	0.14	Cl	0.05
K K	0.20	1.1234	0.18	0.14	0.14	0.22	0.17	K2O	0.05
Ca K	1.34	1.0728	1.25	0.18	0.93	1.75	0.25	CaO	0.33
Ti K	0.17	0.9477	0.18	0.18	0.11	0.30	0.30	TiO2	0.04
Mn K	0.89	0.8811	1.01	0.26	0.55	1.30	0.34	MnO	0.19
Fe K	40.19	0.8989	44.71	1.02	24.01	57.52	1.31	FeO	8.44
Cu K	0.00	0.8152	0.00	0.00	0.00			CuO	0.00
Mo L	0.00	0.7337	0.00	0.00	0.00			MoO3	0.00
Ba L	0.00	0.9109	0.00	0.00	0.00			BaO	0.00
Total			89.21+/- 2.06		CompSum	71.63+/- 1.99		CatSum	11.13
								An.Sum	24.00

Inferred phases: Fe2O3

Table S273

Spectrum: 13 18-Feb-2014 06:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	81863	70.00/88.64	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.38	0.8036	25.36	1.78	56.68	5.16	2.75	O	19.12
F K	1.52	0.2016	7.56	1.82	14.23	7.56	1.82	F	4.80
Na K	1.22	0.7271	1.67	0.36	2.60	2.25	0.49	Na2O	0.88
Mg K	0.85	0.6664	1.28	0.22	1.88	2.12	0.36	MgO	0.63
Al K	2.80	0.7650	3.66	0.26	4.85	6.92	0.49	Al2O3	1.64
Si K	7.83	0.7995	9.79	0.36	12.47	20.94	0.77	SiO2	4.21
P K	0.12	0.9670	0.12 <	0.16	0.14	0.27 <	0.37	P2O5	0.05
S K	0.67	0.8159	0.82	0.30	0.91	2.05	0.75	SO3	0.31
Cl K	0.21	0.8338	0.25	0.12	0.25	0.25	0.12	Cl	0.08
K K	1.16	1.0262	1.13	0.16	1.03	1.36	0.19	K2O	0.35
Ca K	2.08	0.9637	2.16	0.20	1.92	3.02	0.28	CaO	0.65
Ti K	0.55	0.8185	0.67	0.18	0.50	1.12	0.30	TiO2	0.17
Mn K	0.00	0.8181	0.00	0.00	0.00			MnO	0.00
Fe K	2.76	0.8364	3.30	0.34	2.11	4.25	0.44	FeO	0.71
Cu K	0.10	0.8025	0.12 <	0.24	0.07	0.15 <	0.30	CuO	0.02
Mo L	0.63	0.6846	0.93 <	0.94	0.35	1.40 <	1.41	MoO3	0.12
Ba L	0.00	0.7831	0.00	0.00	0.00			BaO	0.00
Total			58.81+/- 2.85		CompSum	45.85+/- 2.09		CatSum	9.72
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S274

Spectrum: 14 18-Feb-2014 06:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	105669	70.00/94.91	6	20.00

Peak omited: 13.849 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.93	0.7745	56.72	2.56	65.14	21.31	3.72	O	21.44
F K	1.31	0.1736	7.55	2.72	7.30	7.55	2.72	F	2.40
Na K	1.90	0.7212	2.64	0.46	2.11	3.56	0.62	Na2O	0.69
Mg K	2.96	0.6663	4.44	0.36	3.36	7.36	0.60	MgO	1.11
Al K	3.85	0.7438	5.18	0.32	3.53	9.79	0.60	Al2O3	1.16
Si K	12.59	0.7988	15.76	0.46	10.31	33.72	0.98	SiO2	3.39
P K	0.23	0.9921	0.24	0.16	0.14	0.55	0.37	P2O5	0.05
S K	1.32	0.8316	1.59	0.38	0.91	3.97	0.95	SO3	0.30
Cl K	0.80	0.8493	0.94	0.16	0.49	0.94	0.16	Cl	0.16
K K	0.19	1.0402	0.18	0.14	0.09	0.22	0.17	K2O	0.03
Ca K	8.73	0.9754	8.95	0.36	4.10	12.52	0.50	CaO	1.35
Ti K	0.56	0.8093	0.70	0.22	0.27	1.17	0.37	TiO2	0.09
Mn K	0.23	0.8110	0.29	0.20	0.10	0.37	0.26	MnO	0.03
Fe K	4.75	0.8293	5.73	0.44	1.89	7.37	0.57	FeO	0.62
Cu K	0.24	0.7961	0.30	0.30	0.09	0.38	0.38	CuO	0.03
Mo L	0.59	0.6975	0.85 <	1.14	0.16	1.28 <	1.71	MoO3	0.05
Ba L	0.10	0.7742	0.14 <	0.48	0.02	0.16 <	0.54	BaO	0.01
Total			112.20+/-	4.11	CompSum	82.40+/-	2.70	CatSum	8.91
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S275

Spectrum: 15 18-Feb-2014 07:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	103795	70.00/94.71	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	31.90	0.7136	44.69	2.34	63.34	6.07	3.08	O	23.70
F K	0.10	0.1815	0.57 <	1.74	0.68	0.57 <	1.74	F	0.25
Na K	2.13	0.7830	2.72	0.40	2.68	3.67	0.54	Na2O	1.00
Mg K	1.62	0.7062	2.30	0.26	2.14	3.81	0.43	MgO	0.80
Al K	5.28	0.7965	6.63	0.34	5.57	12.53	0.64	Al2O3	2.08
Si K	17.34	0.8136	21.31	0.52	17.21	45.59	1.11	SiO2	6.44
P K	0.27	0.9217	0.29	0.18	0.21	0.66	0.41	P2O5	0.08
S K	0.27	0.7856	0.35	0.26	0.24	0.87	0.65	SO3	0.09
Cl K	0.17	0.8255	0.20	0.14	0.13	0.20	0.14	Cl	0.05
K K	4.18	1.0247	4.08	0.26	2.37	4.91	0.31	K2O	0.89
Ca K	3.52	0.9509	3.70	0.26	2.09	5.18	0.36	CaO	0.78
Ti K	1.02	0.8114	1.26	0.24	0.60	2.10	0.40	TiO2	0.22
Mn K	0.08	0.8133	0.10 <	0.20	0.04	0.13 <	0.26	MnO	0.01
Fe K	5.37	0.8323	6.45	0.46	2.62	8.30	0.59	FeO	0.98
Cu K	0.16	0.7989	0.20 <	0.30	0.07	0.25 <	0.38	CuO	0.03
Mo L	0.00	0.6593	0.00	0.00	0.00			MoO3	0.00

Ba L	0.06	0.7763	0.07 <	0.52	0.01	0.08 <	0.58	BaO	0.00
Total			94.92+/- 3.17		CompSum	88.08+/- 2.00		CatSum	13.41
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S276

Spectrum: 16 18-Feb-2014 07:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	110375	70.00/96.65	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	46.83	0.7905	59.24	2.54	69.86	21.28	3.46	O	23.99
F K	0.00	0.1666	0.00	0.00	0.00			F	0.00
Na K	2.69	0.7647	3.52	0.46	2.89	4.74	0.62	Na2O	0.99
Mg K	1.38	0.6889	2.00	0.28	1.55	3.32	0.46	MgO	0.53
Al K	5.48	0.7874	6.96	0.34	4.86	13.15	0.64	Al2O3	1.67
Si K	16.81	0.8126	20.69	0.50	13.90	44.26	1.07	SiO2	4.77
P K	0.31	0.9524	0.32	0.18	0.20	0.73	0.41	P2O5	0.07
S K	0.11	0.8047	0.14 <	0.28	0.08	0.35 <	0.70	SO3	0.03
Cl K	0.05	0.8381	0.06 <	0.12	0.03	0.06 <	0.12	Cl	0.01
K K	5.69	1.0278	5.54	0.28	2.67	6.67	0.34	K2O	0.92
Ca K	2.72	0.9482	2.87	0.24	1.35	4.02	0.34	CaO	0.46
Ti K	0.81	0.8105	1.00	0.22	0.40	1.67	0.37	TiO2	0.14
Mn K	0.02	0.8099	0.02 <	0.18	0.01	0.03 <	0.23	MnO	0.00
Fe K	5.04	0.8279	6.09	0.44	2.06	7.83	0.57	FeO	0.71
Cu K	0.00	0.7948	0.00	0.00	0.00			CuO	0.00
Mo L	0.42	0.6752	0.62 <	0.86	0.12	0.93 <	1.29	MoO3	0.04
Ba L	0.18	0.7754	0.23 <	0.50	0.03	0.26 <	0.56	BaO	0.01
Total			109.28+/- 2.94		CompSum	87.96+/- 2.35		CatSum	10.34
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S277

Spectrum: 17 18-Feb-2014 07:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	90012	70.00/90.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	26.54	0.8159	32.52	1.92	58.74	6.25	2.54	O	20.41
F K	1.29	0.1937	6.64	1.98	10.11	6.64	1.98	F	3.51
Na K	2.45	0.7822	3.13	0.40	3.94	4.22	0.54	Na2O	1.37
Mg K	0.43	0.6885	0.63	0.20	0.75	1.04	0.33	MgO	0.26
Al K	6.21	0.7981	7.78	0.34	8.33	14.70	0.64	Al2O3	2.89
Si K	9.21	0.7746	11.89	0.40	12.23	25.44	0.86	SiO2	4.25
P K	0.10	0.9419	0.11 <	0.14	0.10	0.25 <	0.32	P2O5	0.03
S K	0.94	0.7986	1.18	0.32	1.07	2.95	0.80	SO3	0.37
Cl K	0.23	0.8253	0.27	0.12	0.22	0.27	0.12	Cl	0.08
K K	0.75	1.0225	0.74	0.16	0.54	0.89	0.19	K2O	0.19

Ca K	3.48	0.9609	3.63	0.24	2.61	5.08	0.34	CaO	0.91
Ti K	0.08	0.8092	0.10 <	0.16	0.06	0.17 <	0.27	TiO2	0.02
Mn K	0.00	0.8122	0.00	0.00	0.00			MnO	0.00
Fe K	2.03	0.8299	2.45	0.32	1.27	3.15	0.41	FeO	0.44
Cu K	0.06	0.7977	0.07 <	0.26	0.03	0.09 <	0.33	CuO	0.01
Mo L	0.00	0.6701	0.00	0.00	0.00			MoO3	0.00
Ba L	0.00	0.7740	0.00	0.00	0.00			BaO	0.00
Total			71.13+/- 2.92		CompSum	57.98+/- 1.67		CatSum	10.75
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S278

Spectrum: 18 18-Feb-2014 07:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	93751	70.00/91.96	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	20.65	0.6882	30.00	2.02	49.99	-5.69	2.73	O	19.49
F K	1.75	0.2194	7.97	1.74	11.19	7.97	1.74	F	4.36
Na K	1.80	0.7664	2.35	0.38	2.73	3.17	0.51	Na2O	1.06
Mg K	1.66	0.6962	2.38	0.26	2.61	3.95	0.43	MgO	1.02
Al K	4.88	0.7842	6.23	0.34	6.15	11.77	0.64	Al2O3	2.40
Si K	15.10	0.8019	18.83	0.48	17.88	40.28	1.03	SiO2	6.97
P K	0.24	0.9149	0.27	0.18	0.23	0.62	0.41	P2O5	0.09
S K	0.53	0.7826	0.67	0.30	0.56	1.67	0.75	SO3	0.22
Cl K	0.42	0.8218	0.51	0.14	0.38	0.51	0.14	Cl	0.15
K K	2.13	1.0265	2.07	0.22	1.41	2.49	0.27	K2O	0.55
Ca K	4.30	0.9623	4.47	0.28	2.97	6.25	0.39	CaO	1.16
Ti K	0.99	0.8169	1.22	0.24	0.68	2.04	0.40	TiO2	0.27
Mn K	0.00	0.8197	0.00	0.00	0.00			MnO	0.00
Fe K	5.67	0.8391	6.76	0.46	3.23	8.70	0.59	FeO	1.26
Cu K	0.00	0.8055	0.00	0.00	0.00			CuO	0.00
Mo L	0.00	0.6567	0.00	0.00	0.00			MoO3	0.00
Ba L	0.00	0.7817	0.00	0.00	0.00			BaO	0.00
Total			83.71+/- 2.86		CompSum	80.94+/- 1.84		CatSum	14.99
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S279

Spectrum: 19 18-Feb-2014 07:09 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	94006	70.00/91.93	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	20.14	0.6690	30.10	2.04	58.11	-3.34	2.77	O	23.45
F K	0.16	0.1954	0.83 <	1.40	1.35	0.83 <	1.40	F	0.54
Na K	1.31	0.7878	1.66	0.34	2.23	2.24	0.46	Na2O	0.90

Mg K	1.11	0.7166	1.54	0.24	1.96	2.55	0.40	MgO	0.79
Al K	4.24	0.8098	5.24	0.30	5.99	9.90	0.57	Al2O3	2.42
Si K	15.46	0.8217	18.82	0.48	20.69	40.26	1.03	SiO2	8.35
P K	0.27	0.8989	0.30	0.18	0.30	0.69	0.41	P2O5	0.12
S K	0.41	0.7703	0.54	0.30	0.52	1.35	0.75	SO3	0.21
Cl K	0.02	0.8119	0.02 <	0.12	0.02	0.02 <	0.12	Cl	0.01
K K	1.96	1.0212	1.92	0.20	1.52	2.31	0.24	K2O	0.61
Ca K	3.74	0.9576	3.90	0.26	3.01	5.46	0.36	CaO	1.21
Ti K	0.91	0.8140	1.12	0.22	0.72	1.87	0.37	TiO2	0.29
Mn K	0.17	0.8167	0.21	0.20	0.12	0.27	0.26	MnO	0.05
Fe K	5.18	0.8362	6.19	0.46	3.42	7.96	0.59	FeO	1.38
Cu K	0.00	0.8027	0.00	0.00	0.00			CuO	0.00
Mo L	0.00	0.6466	0.00	0.00	0.00			MoO3	0.00
Ba L	0.14	0.7789	0.19 <	0.50	0.04	0.21 <	0.56	BaO	0.02
Total			72.57+/-	2.72	CompSum	75.07+/-	1.88	CatSum	16.35
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S280

Spectrum: 20 18-Feb-2014 07:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	101815	70.00/94.08	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.13	0.7455	48.46	2.38	69.25	15.65	3.43	O	23.99
F K	0.00	0.1660	0.00	0.00	0.00			F	0.00
Na K	1.77	0.7617	2.33	0.40	2.31	3.14	0.54	Na2O	0.80
Mg K	1.11	0.6939	1.60	0.24	1.51	2.65	0.40	MgO	0.52
Al K	4.26	0.7932	5.37	0.32	4.55	10.15	0.60	Al2O3	1.58
Si K	14.14	0.8224	17.19	0.46	13.99	36.77	0.98	SiO2	4.85
P K	0.27	0.9617	0.28	0.16	0.20	0.64	0.37	P2O5	0.07
S K	0.97	0.8107	1.19	0.34	0.85	2.97	0.85	SO3	0.29
Cl K	0.03	0.8365	0.04 <	0.12	0.02	0.04 <	0.12	Cl	0.01
K K	5.49	1.0277	5.34	0.30	3.12	6.43	0.36	K2O	1.08
Ca K	2.53	0.9443	2.68	0.24	1.53	3.75	0.34	CaO	0.53
Ti K	0.76	0.8077	0.94	0.22	0.45	1.57	0.37	TiO2	0.16
Mn K	0.02	0.8097	0.03 <	0.18	0.01	0.04 <	0.23	MnO	0.00
Fe K	4.04	0.8283	4.88	0.40	2.00	6.28	0.51	FeO	0.69
Cu K	0.24	0.7955	0.30	0.30	0.11	0.38	0.38	CuO	0.04
Mo L	0.21	0.6803	0.31 <	1.02	0.07	0.47 <	1.53	MoO3	0.02
Ba L	0.10	0.7728	0.13 <	0.48	0.02	0.15 <	0.54	BaO	0.01
Total			91.06+/-	2.85	CompSum	75.38+/-	2.47	CatSum	10.64
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S281

Site: T1-1

Spectrum: Spectrum 1 18-Feb-2014 07:48 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.37 391769 140551 70.00/105.77 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.00	0.3752	31.99	3.68	58.31	6.53	4.25	O	23.71
Na K	6.38	0.7210	8.85	0.62	11.22	11.93	0.84	Na2O	4.56
Si K	0.44	0.8613	0.51	0.22	0.53	1.09	0.47	SiO2	0.22
S K	8.21	1.0293	7.98	0.32	7.26	19.93	0.80	SO3	2.95
Cl K	0.87	0.9970	0.88	0.22	0.72	0.88	0.22	Cl	0.29
K K	10.35	0.9663	10.71	0.44	7.98	12.90	0.53	K2O	3.24
Fe K	0.69	0.8892	0.78	0.30	0.40	1.00	0.39	FeO	0.16
Rb L	0.00	0.6948	0.00	0.00	0.00			Rb2O	0.00
Pd L	42.27	0.8539	49.50	1.38	13.57	56.94	1.59	PdO	5.52
Total			111.19+/-	4.04	CompSum	103.79+/-	2.12	CatSum	16.65
								An.Sum	24.00

Inferred phases: palladium, (Na,K)2SO4

Table S282

Spectrum: Spectrum 2 18-Feb-2014 07:50 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.37 391769 136405 70.00/104.49 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	11.38	0.3727	30.52	3.60	54.73	1.80 <	4.20	O	23.72
Na K	7.60	0.7428	10.24	0.62	12.77	13.80	0.84	Na2O	5.54
Si K	0.21	0.8642	0.24	0.20	0.24	0.51	0.43	SiO2	0.10
S K	10.51	1.0271	10.23	0.36	9.16	25.54	0.90	SO3	3.97
Cl K	0.77	0.9746	0.79	0.22	0.64	0.79	0.22	Cl	0.28
K K	14.01	0.9743	14.38	0.50	10.55	17.32	0.60	K2O	4.57
Fe K	0.79	0.8818	0.89	0.30	0.46	1.14	0.39	FeO	0.20
Rb L	0.09	0.6973	0.13 <	0.48	0.04	0.14 <	0.52	Rb2O	0.02
Pd L	35.54	0.8398	42.32	1.30	11.41	48.68	1.50	PdO	4.95
Total			109.73+/-	3.98	CompSum	107.15+/-	2.17	CatSum	19.34
								An.Sum	24.00

Inferred phases: palladium, (Na,K)2SO4

Table S283

Spectrum: Spectrum 3 18-Feb-2014 07:52 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.37 391769 123643 70.00/100.68 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.59	0.4232	48.64	3.22	60.20	6.54	3.66	O	23.95
Na K	8.58	0.8204	10.46	0.56	9.01	14.10	0.75	Na2O	3.58
Si K	0.06	0.9023	0.07 <	0.18	0.05	0.15 <	0.39	SiO2	0.02
S K	21.06	1.0107	20.84	0.48	12.87	52.04	1.20	SO3	5.12
Cl K	0.18	0.8683	0.21	0.14	0.12	0.21	0.14	Cl	0.05
K K	36.25	1.0411	34.82	0.64	17.63	41.94	0.77	K2O	7.01
Fe K	0.04	0.8233	0.05 <	0.24	0.02	0.06 <	0.31	FeO	0.01
Rb L	0.39	0.7296	0.53	0.42	0.12	0.58	0.46	Rb2O	0.05
Pd L	0.00	0.7687	0.00	0.00	0.00			PdO	0.00

Total			115.61+/- 3.41	CompSum	108.87+/- 1.75		CatSum	15.80	
							An.Sum	24.00	

Inferred phases: (Na,K)2SO4

Table S284

Site: T1-2
Spectrum: Spectrum 1 18-Feb-2014 08:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	151784	70.00/109.46	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	5.18	0.3081	16.81	2.16	42.08	-22.21	3.85	O	22.94
Na	K	2.96	0.6773	4.37	0.62	7.61	5.89	0.84	Na2O	4.15
Mg	K	0.29	0.6001	0.49	0.26	0.80	0.81	0.43	MgO	0.44
Si	K	0.13	0.8478	0.15 <	0.18	0.21	0.32 <	0.39	SiO2	0.11
S	K	19.10	1.0279	18.58	0.48	23.21	46.39	1.20	SO3	12.65
Cl	K	1.57	0.9087	1.72	0.26	1.95	1.72	0.26	Cl	1.06
K	K	2.44	1.1243	2.17	0.54	2.22	2.61	0.65	K2O	1.21
Ca	K	0.29	0.8955	0.32	0.28	0.32	0.45	0.39	CaO	0.17
Fe	K	0.54	0.9112	0.59	0.32	0.42	0.76	0.41	FeO	0.23
Cu	K	0.21	0.9285	0.23 <	0.46	0.14	0.29 <	0.58	CuO	0.08
Zn	K	1.08	0.9394	1.15	0.58	0.71	1.43	0.72	ZnO	0.39
Cd	L	45.93	0.8223	55.85	1.44	19.90	63.80	1.64	CdO	10.85
Pb	M	1.98	0.9277	2.14	1.70	0.41	2.31	1.83	PbO	0.22
Total				104.56+/- 3.38	CompSum	125.06+/- 3.18		CatSum		30.50
								An.Sum		24.00

Inferred phases: cadmium, (Na,K)2SO4

Table S285

Spectrum: Spectrum 2 18-Feb-2014 08:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	85452	70.00/89.93	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	4.51	0.3568	12.65	1.48	40.59	-17.90	2.53	O	23.94
Na	K	1.19	0.8429	1.41	0.32	3.14	1.90	0.43	Na2O	1.85
Mg	K	2.22	0.7499	2.96	0.24	6.25	4.91	0.40	MgO	3.69
Si	K	0.27	0.9157	0.30	0.10	0.55	0.64	0.21	SiO2	0.32
S	K	16.01	1.0236	15.64	0.42	25.05	39.05	1.05	SO3	14.78
Cl	K	0.05	0.7972	0.07 <	0.14	0.10	0.07 <	0.14	Cl	0.06
K	K	15.77	1.0022	15.74	0.46	20.67	18.96	0.55	K2O	12.19
Ca	K	0.71	0.8373	0.84	0.22	1.08	1.18	0.31	CaO	0.64
Fe	K	1.57	0.8395	1.87	0.32	1.72	2.41	0.41	FeO	1.01
Cu	K	0.57	0.8238	0.69	0.36	0.56	0.86	0.45	CuO	0.33
Zn	K	0.06	0.8269	0.07 <	0.36	0.06	0.09 <	0.45	ZnO	0.04
Cd	L	0.06	0.7329	0.08 <	0.46	0.04	0.09 <	0.53	CdO	0.02
Pb	M	0.80	0.9189	0.87 <	1.12	0.21	0.94 <	1.21	PbO	0.12
Total				53.18+/- 2.15	CompSum	71.02+/- 2.05		CatSum		34.99
								An.Sum		24.00

Inferred phases: Na,K)2SO4

Table S286

Spectrum: Spectrum 3 18-Feb-2014 08:12 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	81828	70.00/89.35	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.90	0.6261	28.59	1.56	55.64	-3.85	2.67	O	23.79
Na K	14.91	0.9247	16.12	0.74	21.83	21.73	1.00	Na2O	9.34
Mg K	0.02	0.5810	0.04 <	0.14	0.05	0.07 <	0.23	MgO	0.02
Si K	0.10	0.8250	0.12	0.10	0.13	0.26	0.21	SiO2	0.06
S K	15.86	0.9536	16.63	0.44	16.15	41.52	1.10	SO3	6.91
Cl K	0.43	0.7809	0.55	0.14	0.48	0.55	0.14	Cl	0.21
K K	5.58	0.9810	5.69	0.30	4.53	6.85	0.36	K2O	1.94
Ca K	0.77	0.9033	0.85	0.20	0.66	1.19	0.28	CaO	0.28
Fe K	0.08	0.8327	0.10 <	0.20	0.06	0.13 <	0.26	FeO	0.03
Cu K	0.37	0.8073	0.46	0.34	0.23	0.58	0.43	CuO	0.10
Zn K	0.19	0.8067	0.23 <	0.36	0.11	0.29 <	0.45	ZnO	0.05
Cd L	0.00	0.7184	0.00	0.00	0.00			CdO	0.00
Pb M	0.77	0.8638	0.89 <	1.22	0.13	0.96 <	1.31	PbO	0.06
Total			70.29+/- 2.26		CompSum	73.57+/- 2.16		CatSum	18.77
								An.Sum	24.00

Inferred phases: cadmium, (Na,K)2SO4

Table S287

Site: T1-3

Spectrum: Spectrum 1 18-Feb-2014 08:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.37	391769	141095	70.00/106.48	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	15.94	0.6685	23.86	1.58	63.39	-1.05 <	4.19	O	23.34
Na K	3.79	1.0534	3.59	0.36	6.64	4.84	0.49	Na2O	2.45
Al K	0.87	0.9722	0.89	0.20	1.41	1.68	0.38	Al2O3	0.52
Si K	3.15	0.9304	3.39	0.86	5.13	7.25	1.84	SiO2	1.89
S K	1.99	0.6550	3.04	0.32	4.03	7.59	0.80	SO3	1.48
Cl K	1.04	0.6956	1.49	0.26	1.78	1.49	0.26	Cl	0.66
K K	1.46	0.9367	1.55	0.24	1.69	1.87	0.29	K2O	0.62
Ca K	0.50	0.9356	0.53	0.22	0.56	0.74	0.31	CaO	0.21
Ti K	0.57	0.8763	0.65	0.26	0.58	1.08	0.43	TiO2	0.21
Fe K	1.05	1.0260	1.02	0.34	0.78	1.31	0.44	FeO	0.29
Ta L	49.00	0.8207	59.70	2.60	14.02	72.90	3.17	Ta2O5	5.16
Total			99.71+/- 3.26		CompSum	99.27+/- 3.88		CatSum	12.83
								An.Sum	24.00

Inferred phases: Ta2O2, silicate glass, (Na,K)2SO4

Table S288

Project: Sh#6-Au-2

Owner: INCA

Elevation= 35.0 deg. Tilt= 0.0 deg. Azimuth= 0.0 deg.

Sample: 15-04-2014

Type: Default

Sample is unpolished and coated with Carbon - thickness (nm): 30.0, density (g/cm3): 2.25.
Thresholding has been selected :
All quantitative results below 0 sigma have been set to zero.
Site: A3
Spectrum: 1 15-àïð-2014 04:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	71880	70.00/86.11	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	25.11	1.1424	21.98	1.94	53.68	1.58 <	3.04	O	23.34
F K	0.23	0.3372	0.69 <	2.22	1.42	0.69 <	2.22	F	0.62
Na K	0.07	0.4297	0.16 <	0.40	0.27	0.22 <	0.54	Na2O	0.12
Mg K	0.76	0.4394	1.73	0.38	2.78	2.87	0.63	MgO	1.21
Al K	0.43	0.5520	0.78	0.26	1.13	1.47	0.49	Al2O3	0.49
Si K	0.53	0.6753	0.78	0.22	1.09	1.67	0.47	SiO2	0.47
P K	0.00	1.0290	0.00	0.00	0.00			P2O5	0.00
S K	0.00	0.8775	0.00	0.00	0.00			SO3	0.00
Cl K	0.08	0.9227	0.09 <	0.16	0.10	0.09 <	0.16	Cl	0.04
K K	0.00	1.1529	0.00	0.00	0.00			K2O	0.00
Ca K	0.35	1.1104	0.32	0.18	0.31	0.45	0.25	CaO	0.13
Ti K	3.46	0.9854	3.51	0.38	2.86	5.85	0.63	TiO2	1.24
V K	0.55	1.0168	0.54	0.28	0.41	0.96	0.50	V2O5	0.18
Cr K	0.06	1.0813	0.05 <	0.24	0.04	0.07 <	0.35	Cr2O3	0.02
Mn K	0.12	0.9039	0.13 <	0.32	0.09	0.17 <	0.41	MnO	0.04
Fe K	47.31	0.9243	51.19	1.42	35.82	65.86	1.83	FeO	15.57
Total			81.94+/-	3.40	CompSum	79.59+/-	2.34	CatSum	19.48
								An.Sum	24.00

Inferred phases: (Fe,Ti)3O4

Table S289

Spectrum: 2 15-àïð-2014 04:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	64632	70.00/84.16	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	8.80	0.3626	24.25	3.50	57.93	3.03 <	3.96	O	21.88
F K	0.41	0.1510	2.72	2.10	5.47	2.72	2.10	F	2.07
Na K	0.08	0.6644	0.12 <	0.24	0.20	0.16 <	0.32	Na2O	0.08
Mg K	0.20	0.6464	0.31	0.18	0.49	0.51	0.30	MgO	0.19
Al K	0.14	0.7698	0.19	0.14	0.26	0.36	0.26	Al2O3	0.10
Si K	0.28	0.8788	0.32	0.16	0.44	0.68	0.34	SiO2	0.17
P K	8.98	1.2464	7.20	0.44	8.89	16.50	1.01	P2O5	3.36
S K	0.00	0.9015	0.00	0.00	0.00			SO3	0.00
Cl K	0.12	0.9334	0.13	0.12	0.14	0.13	0.12	Cl	0.05
K K	0.01	1.1634	0.01 <	0.14	0.01	0.01 <	0.17	K2O	0.00
Ca K	24.91	1.0274	24.25	0.70	23.12	33.93	0.98	CaO	8.73
Ti K	0.34	0.7602	0.45	0.24	0.36	0.75	0.40	TiO2	0.14
V K	0.01	0.7708	0.01 <	0.24	0.01	0.02 <	0.43	V2O5	0.00
Cr K	0.10	0.8051	0.13 <	0.24	0.09	0.19 <	0.35	Cr2O3	0.03
Mn K	0.07	0.7979	0.09 <	0.28	0.06	0.12 <	0.36	MnO	0.02
Fe K	3.07	0.8231	3.73	0.50	2.55	4.80	0.64	FeO	0.96
Total			63.90+/-	4.24	CompSum	58.03+/-	1.84	CatSum	13.78

An.Sum 24.00

Inferred phases: Ca5(PO4)3F, (Fe,Ti)3O4

Table S290

Spectrum: 4 15-àïð-2014 04:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	78202	70.00/87.60	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	18.83	0.7756	24.28	2.92	24.44
F K	21.40	0.3335	64.16	4.06	54.37
Na K	0.12	0.5895	0.20 <	0.42	0.14
Mg K	0.48	0.5862	0.82	0.32	0.54
Al K	10.99	0.7091	15.50	0.64	9.25
Si K	0.90	0.7154	1.26	0.28	0.72
P K	0.02	1.0625	0.02 <	0.22	0.01
S K	0.00	0.8869	0.00	0.00	0.00
Cl K	1.33	0.9157	1.45	0.26	0.66
K K	0.05	1.1106	0.04 <	0.18	0.02
Ca K	17.64	1.0254	17.21	0.60	6.91
Ti K	0.83	0.8281	1.00	0.28	0.34
V K	0.04	0.8271	0.05 <	0.26	0.02
Cr K	0.08	0.8543	0.10 <	0.26	0.03
Mn K	0.12	0.8305	0.14 <	0.28	0.04
Fe K	7.44	0.8494	8.75	0.68	2.52
Total			134.98+/- 5.20		

Inferred phases: unidentified fluoride

Table S291

Spectrum: 5 15-àïð-2014 04:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	82520	70.00/88.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	44.79	0.8066	55.53	3.28	64.10	7.09	4.21	O	23.86
F K	0.07	0.1904	0.39 <	2.64	0.38	0.39 <	2.64	F	0.14
Na K	2.47	0.7581	3.26	0.52	2.62	4.39	0.70	Na2O	0.98
Mg K	0.83	0.6890	1.20	0.32	0.91	1.99	0.53	MgO	0.34
Al K	6.65	0.7984	8.33	0.48	5.70	15.74	0.91	Al2O3	2.12
Si K	22.61	0.8139	27.77	0.76	18.27	59.41	1.63	SiO2	6.80
P K	0.49	0.9111	0.53	0.28	0.32	1.21	0.64	P2O5	0.12
S K	0.00	0.7776	0.00 <	0.20	0.00	0.00 <	0.50	SO3	0.00
Cl K	0.00	0.8215	0.00	0.00	0.00			Cl	0.00
K K	3.16	1.0246	3.08	0.32	1.45	3.71	0.39	K2O	0.54
Ca K	3.13	0.9618	3.25	0.34	1.50	4.55	0.48	CaO	0.56
Ti K	1.82	0.8233	2.21	0.36	0.85	3.69	0.60	TiO2	0.32
V K	0.01	0.8232	0.02 <	0.28	0.01	0.04 <	0.50	V2O5	0.00
Cr K	0.00	0.8492	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.17	0.8179	0.21 <	0.30	0.07	0.27 <	0.39	MnO	0.03
Fe K	9.65	0.8363	11.54	0.76	3.82	14.85	0.98	FeO	1.42
Total			117.33+/- 4.49	CompSum	109.84+/- 2.64			CatSum	13.22
								An.Sum	24.00

Inferred phases: silicate glass

Table S292

Spectrum: 6 15-àïð-2014 04:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	81362	70.00/88.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.15	0.8099	53.28	3.18	62.23	4.71	4.14	O	23.76
F K	0.11	0.1977	0.58 <	2.04	0.57	0.58 <	2.04	F	0.22
Na K	3.12	0.7667	4.07	0.56	3.31	5.49	0.75	Na2O	1.26
Mg K	0.38	0.6874	0.56	0.28	0.43	0.93	0.46	MgO	0.16
Al K	11.11	0.8023	13.84	0.60	9.59	26.15	1.13	Al2O3	3.66
Si K	18.66	0.7705	24.21	0.74	16.11	51.79	1.58	SiO2	6.15
P K	0.00	0.9049	0.00 <	0.24	0.00	0.00 <	0.55	P2O5	0.00
S K	0.00	0.7769	0.00	0.00	0.00			SO3	0.00
Cl K	0.11	0.8213	0.13 <	0.18	0.07	0.13 <	0.18	Cl	0.03
K K	0.53	1.0280	0.52	0.22	0.25	0.63	0.27	K2O	0.10
Ca K	6.03	0.9726	6.20	0.42	2.89	8.67	0.59	CaO	1.10
Ti K	0.92	0.8228	1.12	0.30	0.44	1.87	0.50	TiO2	0.17
V K	0.07	0.8232	0.08 <	0.26	0.03	0.14 <	0.46	V2O5	0.01
Cr K	0.04	0.8526	0.05 <	0.26	0.02	0.07 <	0.38	Cr2O3	0.01
Mn K	0.02	0.8197	0.03 <	0.28	0.01	0.04 <	0.36	MnO	0.00
Fe K	10.16	0.8381	12.12	0.78	4.06	15.59	1.00	FeO	1.55
Total			116.79+/-	4.10	CompSum	111.37+/-	2.65	CatSum	14.18
								An.Sum	24.00

Inferred phases: silicate glass

Table S293

Spectrum: 7 15-àïð-2014 04:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	70083	70.00/86.03	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.94	1.0876	19.24	1.86	48.88	-2.02 <	2.99	O	22.55
F K	0.52	0.3533	1.47 <	2.06	3.15	1.47 <	2.06	F	1.45
Na K	0.12	0.4298	0.28 <	0.40	0.49	0.38 <	0.54	Na2O	0.23
Mg K	0.75	0.4387	1.70	0.36	2.84	2.82	0.60	MgO	1.31
Al K	0.61	0.5515	1.11	0.28	1.67	2.10	0.53	Al2O3	0.77
Si K	0.64	0.6723	0.95	0.22	1.37	2.03	0.47	SiO2	0.63
P K	0.00	1.0240	0.00	0.00	0.00			P2O5	0.00
S K	0.00	0.8750	0.00	0.00	0.00			SO3	0.00
Cl K	0.00	0.9218	0.00 <	0.16	0.00	0.00 <	0.16	Cl	0.00
K K	0.02	1.1556	0.02 <	0.18	0.02	0.02 <	0.22	K2O	0.01
Ca K	0.39	1.1138	0.35	0.18	0.35	0.49	0.25	CaO	0.16
Ti K	4.12	0.9876	4.18	0.40	3.54	6.97	0.67	TiO2	1.63
V K	0.44	1.0187	0.43	0.30	0.34	0.77	0.54	V2O5	0.16
Cr K	0.00	1.0782	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.18	0.9065	0.20 <	0.32	0.15	0.26 <	0.41	MnO	0.07
Fe K	47.39	0.9275	51.10	1.42	37.19	65.74	1.83	FeO	17.15
Total			81.02+/-	3.25	CompSum	81.58+/-	2.34	CatSum	22.12
								An.Sum	24.00

Inferred phases: (Fe,Ti)3O4

Table S294

Spectrum: 8 15-àïð-2014 04:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	45.65	392114	65745	70.00/84.71	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.87	0.8213	22.98	2.24	51.73	-4.78	3.24	O	22.77
F K	0.39	0.2643	1.46 <	1.60	2.76	1.46 <	1.60	F	1.21
Na K	0.80	0.5640	1.41	0.44	2.21	1.90	0.59	Na2O	0.97
Mg K	0.78	0.5474	1.43	0.30	2.12	2.37	0.50	MgO	0.93
Al K	2.57	0.6607	3.89	0.36	5.19	7.35	0.68	Al2O3	2.28
Si K	7.53	0.7351	10.24	0.50	13.13	21.91	1.07	SiO2	5.78
P K	0.07	0.9565	0.07 <	0.18	0.08	0.16 <	0.41	P2O5	0.04
S K	0.01	0.8202	0.02 <	0.14	0.02	0.05 <	0.35	SO3	0.01
Cl K	0.03	0.8671	0.03 <	0.14	0.03	0.03 <	0.14	Cl	0.01
K K	0.79	1.0892	0.73	0.20	0.67	0.88	0.24	K2O	0.29
Ca K	2.88	1.0354	2.78	0.28	2.50	3.89	0.39	CaO	1.10
Ti K	2.79	0.8920	3.13	0.38	2.35	5.22	0.63	TiO2	1.03
V K	0.18	0.9048	0.19 <	0.28	0.14	0.34 <	0.50	V2O5	0.06
Cr K	0.01	0.9438	0.01 <	0.24	0.01	0.01 <	0.35	Cr2O3	0.00
Mn K	0.22	0.8596	0.25 <	0.30	0.17	0.32 <	0.39	MnO	0.07
Fe K	23.07	0.8803	26.21	1.06	16.90	33.72	1.36	FeO	7.44
Total			74.83+/-	3.15	CompSum	78.12+/-	2.34	CatSum	20.02
								An.Sum	24.00

Inferred phases: silicate glass, (Fe,Ti)3O4

Table S295

Site: f6B-1

Spectrum: Spectrum 2 2-Jul-2014 05:53 PM

L./R.time(s)	P.time	U(kV)
50.00/72.82	6	20.00

Counted by INCA

INCA Proc.Option: Oxygen by stoichiometry

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
P K	20.43	1.3492	15.14	0.50	12.18	34.70	1.15	P2O5	4.51
Cl K	15.32	0.9423	16.26	0.50	11.42	16.26	0.50	Cl	4.23
Ca K	35.90	0.9709	36.98	0.78	22.98	51.74	1.09	CaO	8.50
O			34.32	0.76	53.42				19.77
Total			102.70+/-	1.30	CompSum	86.44+/-	1.58	CatSum	13.01
								An.Sum	24.00

Inferred phases: Ca2PO4Cl

Table S296

Spectrum: Spectrum 3 2-Jul-2014 05:56 PM

L./R.time(s)	P.time	U(kV)
7.79/9.43	6	20.00

Counted by INCA

INCA Proc.Option: Oxygen by stoichiometry

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
Al K	1.78	0.6976	2.55	0.62	4.77	4.82	1.17	Al2O3	1.76

P	K	12.65	1.1224	11.27	1.20	18.34	25.82	2.75	P2O5	6.78
Fe	K	8.98	0.8804	10.19	1.56	9.20	13.11	2.01	FeO	3.40
Zn	K	2.94	0.8230	3.57	1.64	2.76	4.45	2.04	ZnO	1.02
O				20.62	1.90	64.94				24.00
Total				48.21+/- 3.25		CompSum	48.20+/- 4.14		CatSum	12.96
									An.Sum	24.00

Inferred phases: unidentified Al-Fe-Zn phosphate

Table S297

Site: f6B-2
Spectrum: Spectrum 1 2-Jul-2014 06:04 PM

L./R.time(s)	P.time	U(kV)
50.00/63.50	6	20.00

Counted by INCA
INCA Proc.Option: Oxygen by stoichiometry

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
Al	K	3.13	0.7605	4.12	0.32	6.26	7.78	0.60	Al2O3	2.27
P	K	17.08	1.1485	14.87	0.54	19.69	34.07	1.24	P2O5	7.12
Fe	K	7.29	0.8631	8.45	0.58	6.20	10.87	0.75	FeO	2.24
Zn	K	1.97	0.8140	2.42	0.60	1.52	3.01	0.75	ZnO	0.55
O				25.87	0.80	66.33				24.00
Total				55.73+/- 1.32		CompSum	55.73+/- 1.74		CatSum	12.18
									An.Sum	24.00

Inferred phases: unidentified Al-Fe-Zn phosphate

Table S298

Spectrum: Spectrum 2 2-Jul-2014 06:06 PM

L./R.time(s)	P.time	U(kV)
50.00/59.00	6	20.00

Counted by INCA
INCA Proc.Option: Oxygen by stoichiometry

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
Al	K	0.92	0.6483	1.42	0.22	3.46	2.68	0.42	Al2O3	1.31
P	K	8.55	1.0984	7.79	0.40	16.50	17.84	0.92	P2O5	6.26
Fe	K	10.01	0.8958	11.18	0.64	13.14	14.38	0.82	FeO	4.99
Zn	K	3.03	0.8310	3.65	0.66	3.66	4.54	0.82	ZnO	1.39
O				15.41	0.68	63.24				24.00
Total				39.44+/- 1.23		CompSum	39.44+/- 1.54		CatSum	13.95
									An.Sum	24.00

Inferred phases: unidentified Al-Fe-Zn phosphate

Table S299

Site: Tol_1_2-1a
Spectrum: 1 11-Jun-2013 04:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	97362	70.00/93.81	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	43.76	1.3262	33.01	1.30	62.69	9.16	2.27	O	23.91
Na	K	0.07	0.4521	0.15 <	0.38	0.19	0.20 <	0.51	Na2O	0.07
Mg	K	0.00	0.4617	0.00	0.00	0.00			MgO	0.00
Al	K	0.03	0.5895	0.06 <	0.20	0.06	0.11 <	0.38	Al2O3	0.02

Si K	5.40	0.7156	7.55	0.36	8.17	16.15	0.77	SiO2	3.12
S K	0.08	0.8508	0.09 <	0.16	0.09	0.22 <	0.40	SO3	0.03
Cl K	0.24	0.8943	0.26	0.16	0.23	0.26	0.16	Cl	0.09
K K	0.20	1.1147	0.18	0.16	0.14	0.22	0.19	K2O	0.05
Ca K	0.14	1.0707	0.13 <	0.16	0.10	0.18 <	0.22	CaO	0.04
Fe K	47.26	0.9076	52.07	1.16	28.33	66.99	1.49	FeO	10.81
Total			93.48+/- 1.86	CompSum		84.08+/- 1.86		CatSum	14.14
								An.Sum	24.00

Inferred phases: Fe2O3

Table S300

Spectrum: 2 11-Jun-2013 04:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	105947	70.00/95.80	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	56.90	1.2499	45.53	1.56	66.66	15.57	2.50	O	23.95
Na K	0.35	0.4933	0.70	0.40	0.71	0.94	0.54	Na2O	0.26
Mg K	0.00	0.4964	0.00	0.00	0.00			MgO	0.00
Al K	0.08	0.6258	0.12 <	0.20	0.11	0.23 <	0.38	Al2O3	0.04
Si K	9.89	0.7471	13.24	0.46	11.05	28.32	0.98	SiO2	3.97
S K	0.11	0.8381	0.14 <	0.16	0.10	0.35 <	0.40	SO3	0.04
Cl K	0.17	0.8794	0.20	0.16	0.13	0.20	0.16	Cl	0.05
K K	1.07	1.0919	0.98	0.18	0.59	1.18	0.22	K2O	0.21
Ca K	0.16	1.0417	0.16	0.16	0.09	0.22	0.22	CaO	0.03
Fe K	43.53	0.8878	49.03	1.14	20.57	63.08	1.47	FeO	7.39
Total			110.09+/- 2.06	CompSum		94.33+/- 1.95		CatSum	11.94
								An.Sum	24.00

Inferred phases: Fe2O3

Table S301

Spectrum: 3 11-Jun-2013 04:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	87993	70.00/90.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.22	1.2920	20.30	1.02	52.89	0.88 <	2.05	O	23.97
Na K	0.07	0.4176	0.17 <	0.32	0.30	0.23 <	0.43	Na2O	0.14
Mg K	0.06	0.4289	0.14 <	0.20	0.24	0.23 <	0.33	MgO	0.11
Al K	0.25	0.5533	0.45	0.20	0.70	0.85	0.38	Al2O3	0.32
Si K	1.78	0.6794	2.62	0.24	3.89	5.61	0.51	SiO2	1.76
S K	0.03	0.8658	0.03 <	0.14	0.04	0.07 <	0.35	SO3	0.02
Cl K	0.04	0.9135	0.05 <	0.14	0.06	0.05 <	0.14	Cl	0.03
K K	1.30	1.1454	1.13	0.18	1.21	1.36	0.22	K2O	0.55
Ca K	0.10	1.0959	0.09 <	0.16	0.09	0.13 <	0.22	CaO	0.04
Fe K	50.70	0.9329	54.35	1.16	40.58	69.92	1.49	FeO	18.39
Total			79.33+/- 1.65	CompSum		78.40+/- 1.77		CatSum	21.33
								An.Sum	24.00

Inferred phases: Fe2O3

Table S302

Spectrum: 5 11-Jun-2013 04:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	116485	70.00/98.34	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	25.93	0.4820	53.81	2.62	62.59	10.15	3.21	O	23.98
Na K	10.02	0.8208	12.20	0.62	9.88	16.45	0.84	Na2O	3.79
Mg K	0.02	0.6528	0.03 <	0.20	0.03	0.05 <	0.33	MgO	0.01
Al K	0.07	0.7795	0.09 <	0.16	0.06	0.17 <	0.30	Al2O3	0.02
Si K	2.55	0.8862	2.87	0.24	1.90	6.14	0.51	SiO2	0.73
S K	19.62	0.9803	20.01	0.50	11.62	49.96	1.25	SO3	4.45
Cl K	0.07	0.8543	0.08 <	0.16	0.04	0.08 <	0.16	Cl	0.02
K K	29.47	1.0316	28.57	0.58	13.60	34.42	0.70	K2O	5.21
Ca K	0.24	0.8677	0.28	0.24	0.13	0.39	0.34	CaO	0.05
Fe K	0.39	0.8221	0.48	0.26	0.16	0.62	0.33	FeO	0.06
Total			118.43+/- 2.85		CompSum	108.19+/- 1.85		CatSum	14.32
								An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S303

Spectrum: 8 11-Jun-2013 04:44 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	105749	70.00/95.48	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	9.86	0.3550	27.76	2.20	51.35	-9.12	2.70	O	23.98
Na K	5.25	0.8473	6.19	0.44	7.97	8.34	0.59	Na2O	3.72
Mg K	0.00	0.7026	0.00	0.00	0.00			MgO	0.00
Al K	0.01	0.8290	0.02 <	0.14	0.02	0.04 <	0.26	Al2O3	0.01
Si K	0.12	0.9354	0.13	0.12	0.14	0.28	0.26	SiO2	0.07
S K	19.66	1.0405	18.89	0.46	17.44	47.17	1.15	SO3	8.14
Cl K	0.05	0.8577	0.06 <	0.14	0.05	0.06 <	0.14	Cl	0.02
K K	31.31	1.0371	30.19	0.60	22.84	36.37	0.72	K2O	10.66
Ca K	0.22	0.8282	0.26	0.24	0.19	0.36	0.34	CaO	0.09
Fe K	0.00	0.8250	0.00	0.00	0.00			FeO	0.00
Total			83.50+/- 2.39		CompSum	92.56+/- 1.56		CatSum	22.69
								An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S304

Spectrum: 9 11-Jun-2013 04:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	90800	70.00/91.33	6	20.00

Peak omited: 9.440 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	26.45	0.7540	35.07	1.68	53.65	-7.95	2.45	O	23.68
Na K	25.71	1.0097	25.46	0.74	27.10	34.32	1.00	Na2O	11.96
Mg K	0.12	0.5547	0.22	0.18	0.22	0.36	0.30	MgO	0.10
Al K	0.14	0.6802	0.20	0.14	0.18	0.38	0.26	Al2O3	0.08
Si K	0.22	0.7948	0.28	0.14	0.24	0.60	0.30	SiO2	0.11

S	K	20.49	0.9284	22.07	0.54	16.85	55.11	1.35	SO3	7.44
Cl	K	0.79	0.7582	1.04	0.20	0.72	1.04	0.20	Cl	0.32
K	K	0.93	0.9622	0.97	0.18	0.61	1.17	0.22	K2O	0.27
Ca	K	0.65	0.9203	0.70	0.18	0.43	0.98	0.25	CaO	0.19
Fe	K	0.00	0.8286	0.00	0.00	0.00			FeO	0.00
Total				86.00+/- 1.96		CompSum	92.92+/- 1.78		CatSum	20.14
									An.Sum	24.00

Inferred phases: Na2SO4

Table S305

Spectrum: 10 11-Jun-2013 04:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	114903	70.00/98.10	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	23.61	0.4817	49.01	2.52	61.17	10.23	3.10	O	23.54
Na	K	9.58	0.7906	12.11	0.64	10.52	16.32	0.86	Na2O	4.05
Mg	K	0.00	0.6320	0.00	0.00	0.00			MgO	0.00
Al	K	0.05	0.7605	0.06 <	0.16	0.05	0.11 <	0.30	Al2O3	0.02
Si	K	0.22	0.8716	0.26	0.16	0.18	0.56	0.34	SiO2	0.07
S	K	18.23	0.9948	18.32	0.48	11.41	45.74	1.20	SO3	4.39
Cl	K	1.85	0.8696	2.12	0.24	1.20	2.12	0.24	Cl	0.46
K	K	28.41	1.0362	27.42	0.58	14.00	33.03	0.70	K2O	5.39
Ca	K	0.20	0.8723	0.23 <	0.24	0.12	0.32 <	0.34	CaO	0.05
Fe	K	3.13	0.8277	3.79	0.42	1.35	4.88	0.54	FeO	0.52
Total				113.33+/- 2.77		CompSum	100.97+/- 1.81		CatSum	14.48
									An.Sum	24.00

Inferred phases: (K,Na)2SO4

Table S306

Site: Tol_1_3-1

Spectrum: 1 11-Jun-2013 05:20 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	137082	70.00/104.50	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	10.35	0.3590	28.84	3.12	55.65	-1.73 <	4.02	O	23.10
Na	K	5.13	0.7010	7.32	0.62	9.83	9.87	0.84	Na2O	4.08
Mg	K	0.19	0.6047	0.31	0.28	0.40	0.51	0.46	MgO	0.17
Al	K	0.49	0.7272	0.67	0.22	0.76	1.27	0.42	Al2O3	0.32
Si	K	0.86	0.8431	1.02	0.22	1.12	2.18	0.47	SiO2	0.46
P	K	0.12	1.2298	0.10 <	0.22	0.10	0.23 <	0.50	P2O5	0.04
S	K	14.29	1.0039	14.23	0.44	13.71	35.53	1.10	SO3	5.69
Cl	K	2.31	0.9310	2.48	0.28	2.16	2.48	0.28	Cl	0.90
K	K	0.62	1.1208	0.55	0.32	0.44	0.66	0.39	K2O	0.18
Ca	K	0.28	0.8497	0.33	0.24	0.26	0.46	0.34	CaO	0.11
Ti	K	0.11	0.7743	0.14 <	0.24	0.09	0.23 <	0.40	TiO2	0.04
Fe	K	1.20	0.8887	1.35	0.36	0.74	1.74	0.46	FeO	0.31
Zr	L	0.26	0.7896	0.33 <	0.60	0.11	0.45 <	0.81	ZrO2	0.05
Ag	L	42.21	0.8257	51.11	1.44	14.63	54.90	1.55	Ag2O	6.07
Total				108.79+/- 3.66		CompSum	108.03+/- 2.54		CatSum	17.52
									An.Sum	24.00

Inferred phases: Ag2S, Na2SO4

Table S307

Spectrum: 2 11-Jun-2013 05:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	103232	70.00/94.82	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.77	0.3758	20.66	2.60	52.71	-5.09	3.34	O	23.79
Na K	5.94	0.7258	8.19	0.58	14.54	11.04	0.78	Na2O	6.56
Mg K	0.13	0.5939	0.21 <	0.22	0.35	0.35 <	0.36	MgO	0.16
Al K	0.16	0.7169	0.23	0.18	0.35	0.43	0.34	Al2O3	0.16
Si K	1.04	0.8360	1.25	0.20	1.82	2.67	0.43	SiO2	0.82
P K	0.00	1.2120	0.00	0.00	0.00			P2O5	0.00
S K	11.82	0.9856	11.99	0.40	15.27	29.94	1.00	SO3	6.89
Cl K	0.37	0.9022	0.41	0.20	0.47	0.41	0.20	Cl	0.21
K K	0.18	1.1077	0.16 <	0.26	0.17	0.19 <	0.31	K2O	0.08
Ca K	0.07	0.8551	0.08 <	0.20	0.08	0.11 <	0.28	CaO	0.04
Ti K	0.00	0.7776	0.00	0.00	0.00			TiO2	0.00
Fe K	1.06	0.8860	1.20	0.32	0.87	1.54	0.41	FeO	0.39
Zr L	0.45	0.7783	0.58	0.48	0.26	0.78	0.65	ZrO2	0.12
Ag L	28.27	0.8152	34.68	1.18	13.12	37.25	1.27	Ag2O	5.92
Total			79.63+/-	3.04	CompSum	84.32+/-	2.10	CatSum	21.13
								An.Sum	24.00

Inferred phases: Ag2S, Na2SO4

Table S308

Spectrum: 3 11-Jun-2013 05:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	88782	70.00/91.20	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	25.22	1.2800	19.70	1.16	51.81	-1.25 <	2.30	O	23.96
Na K	0.05	0.4226	0.13 <	0.34	0.23	0.18 <	0.46	Na2O	0.11
Mg K	0.00	0.4337	0.00	0.00	0.00			MgO	0.00
Al K	0.00	0.5597	0.00	0.00	0.00			Al2O3	0.00
Si K	3.24	0.6894	4.70	0.32	7.03	10.05	0.68	SiO2	3.25
P K	0.03	0.9955	0.03 <	0.20	0.04	0.07 <	0.46	P2O5	0.02
S K	0.00	0.8536	0.01 <	0.16	0.01	0.02 <	0.40	SO3	0.00
Cl K	0.07	0.9030	0.08 <	0.14	0.09	0.08 <	0.14	Cl	0.04
K K	0.36	1.1369	0.31	0.16	0.34	0.37	0.19	K2O	0.16
Ca K	0.17	1.0952	0.15 <	0.16	0.16	0.21 <	0.22	CaO	0.07
Ti K	0.13	0.9893	0.13 <	0.18	0.11	0.22 <	0.30	TiO2	0.05
Fe K	49.62	0.9319	53.25	1.16	40.12	68.51	1.49	FeO	18.55
Zr L	0.06	0.6447	0.10 <	0.52	0.04	0.14 <	0.70	ZrO2	0.02
Ag L	0.00	0.8341	0.00	0.00	0.00			Ag2O	0.00
Total			78.58+/-	1.83	CompSum	79.76+/-	1.99	CatSum	22.23
								An.Sum	24.00

Inferred phases: Fe2O3

Table S309

Spectrum: 4 11-Jun-2013 05:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	93581	70.00/92.44	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	24.44	1.1210	21.79	1.32	48.82	-2.22 <	2.50	O	23.73
Na K	2.33	0.4596	5.07	0.62	7.90	6.83	0.84	Na2O	3.84
Mg K	0.20	0.4391	0.45	0.24	0.66	0.75	0.40	MgO	0.32
Al K	0.22	0.5621	0.39	0.20	0.51	0.74	0.38	Al2O3	0.25
Si K	2.04	0.6884	2.96	0.26	3.78	6.33	0.56	SiO2	1.84
P K	0.00	1.0189	0.00	0.00	0.00			P2O5	0.00
S K	1.40	0.8655	1.62	0.22	1.81	4.05	0.55	SO3	0.88
Cl K	0.49	0.8975	0.55	0.18	0.56	0.55	0.18	Cl	0.27
K K	2.00	1.1232	1.78	0.20	1.63	2.14	0.24	K2O	0.79
Ca K	0.69	1.0699	0.65	0.18	0.58	0.91	0.25	CaO	0.28
Ti K	0.21	0.9584	0.21	0.18	0.16	0.35	0.30	TiO2	0.08
Fe K	47.96	0.9206	52.10	1.16	33.44	67.03	1.49	FeO	16.25
Zr L	0.22	0.6591	0.34 <	0.50	0.13	0.46 <	0.68	ZrO2	0.06
Ag L	0.00	0.8244	0.00	0.00	0.00			Ag2O	0.00
Total			87.91+/-	2.02 CompSum		89.58+/-	2.12	CatSum	24.59
								An.Sum	24.00

Inferred phases: Fe2O3

Table S310

Spectrum: 5 11-Jun-2013 05:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	110523	70.00/96.87	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.61	0.7597	60.02	2.46	66.55	14.10	3.25	O	23.97
Na K	2.94	0.7788	3.77	0.42	2.91	5.08	0.57	Na2O	1.05
Mg K	0.15	0.7008	0.22	0.20	0.16	0.36	0.33	MgO	0.06
Al K	6.32	0.8200	7.70	0.36	5.06	14.55	0.68	Al2O3	1.82
Si K	23.23	0.8355	27.80	0.60	17.56	59.47	1.28	SiO2	6.33
P K	0.57	0.9283	0.61	0.24	0.35	1.40	0.55	P2O5	0.13
S K	0.06	0.7871	0.08 <	0.14	0.04	0.20 <	0.35	SO3	0.01
Cl K	0.12	0.8281	0.15	0.14	0.07	0.15	0.14	Cl	0.03
K K	9.55	1.0200	9.36	0.36	4.25	11.28	0.43	K2O	1.53
Ca K	0.15	0.9329	0.16 <	0.18	0.07	0.22 <	0.25	CaO	0.03
Ti K	0.84	0.8120	1.03	0.22	0.38	1.72	0.37	TiO2	0.14
Fe K	6.73	0.8310	8.09	0.54	2.57	10.41	0.69	FeO	0.93
Zr L	0.08	0.6005	0.13 <	0.60	0.02	0.18 <	0.81	ZrO2	0.01
Ag L	0.00	0.7545	0.00	0.00	0.00			Ag2O	0.00
Total			119.12+/-	2.78 CompSum		104.87+/-	2.12	CatSum	12.02
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S311

Spectrum: 6 11-Jun-2013 05:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	98158	70.00/93.69	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.03	1.3789	23.96	1.24	52.77	2.71	2.41	O	23.86
Na K	1.05	0.4139	2.53	0.48	3.89	3.41	0.65	Na2O	1.76
Mg K	0.00	0.4143	0.00	0.00	0.00			MgO	0.00
Al K	0.05	0.5382	0.10 <	0.20	0.12	0.19 <	0.38	Al2O3	0.05
Si K	0.25	0.6682	0.37	0.18	0.47	0.79	0.39	SiO2	0.21
P K	0.00	1.0275	0.00	0.00	0.00			P2O5	0.00
S K	0.43	0.8745	0.49	0.18	0.54	1.22	0.45	SO3	0.24
Cl K	0.28	0.9169	0.30	0.16	0.30	0.30	0.16	Cl	0.14
K K	0.04	1.1489	0.03 <	0.16	0.03	0.04 <	0.19	K2O	0.01
Ca K	0.15	1.1086	0.13 <	0.16	0.12	0.18 <	0.22	CaO	0.05
Ti K	0.16	1.0030	0.16 <	0.18	0.12	0.27 <	0.30	TiO2	0.05
Fe K	61.63	0.9366	65.80	1.28	41.52	84.65	1.65	FeO	18.78
Zr L	0.20	0.6647	0.30 <	0.52	0.12	0.41 <	0.70	ZrO2	0.05
Ag L	0.00	0.8438	0.00	0.00	0.00			Ag2O	0.00
Total			94.18+/- 1.97	CompSum		91.16+/- 2.07		CatSum	21.22
								An.Sum	24.00

Inferred phases: Fe2O3

Table S312

Spectrum: 7 11-Jun-2013 05:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	107419	70.00/96.01	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	41.48	0.7569	54.79	2.36	65.12	10.23	3.18	O	23.99
Na K	2.37	0.7630	3.11	0.40	2.57	4.19	0.54	Na2O	0.95
Mg K	0.72	0.6942	1.03	0.24	0.81	1.71	0.40	MgO	0.30
Al K	6.12	0.8052	7.61	0.36	5.36	14.38	0.68	Al2O3	1.97
Si K	21.41	0.8237	25.99	0.58	17.60	55.60	1.24	SiO2	6.48
P K	0.28	0.9265	0.30	0.22	0.19	0.69	0.50	P2O5	0.07
S K	0.14	0.7851	0.18	0.14	0.11	0.45	0.35	SO3	0.04
Cl K	0.06	0.8263	0.07 <	0.14	0.04	0.07 <	0.14	Cl	0.01
K K	8.47	1.0223	8.29	0.34	4.03	9.99	0.41	K2O	1.48
Ca K	0.09	0.9387	0.09 <	0.18	0.04	0.13 <	0.25	CaO	0.01
Ti K	1.10	0.8184	1.34	0.24	0.53	2.24	0.40	TiO2	0.20
Fe K	8.51	0.8357	10.18	0.58	3.47	13.10	0.75	FeO	1.28
Zr L	0.36	0.5995	0.59	0.58	0.12	0.80	0.78	ZrO2	0.04
Ag L	0.09	0.7552	0.12 <	0.36	0.02	0.13 <	0.39	Ag2O	0.01
Total			113.70+/- 2.71	CompSum		103.39+/- 2.13		CatSum	12.84
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S313

Spectrum: 8 11-Jun-2013 05:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.72	392661	95897	70.00/92.75	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.27	0.8181	40.67	1.94	54.52	-4.99	2.79	O	23.88

Na K	27.30	0.9325	29.27	0.80	27.31	39.46	1.08	Na2O	11.96
Mg K	0.03	0.5324	0.07 <	0.18	0.06	0.12 <	0.30	MgO	0.03
Al K	0.02	0.6599	0.03 <	0.14	0.02	0.06 <	0.26	Al2O3	0.01
Si K	0.23	0.7786	0.30	0.14	0.23	0.64	0.30	SiO2	0.10
P K	0.00	1.1428	0.00	0.00	0.00			P2O5	0.00
S K	20.24	0.9120	22.19	0.54	14.84	55.41	1.35	SO3	6.50
Cl K	0.36	0.7707	0.47	0.18	0.28	0.47	0.18	Cl	0.12
K K	1.64	0.9780	1.68	0.20	0.92	2.02	0.24	K2O	0.40
Ca K	0.07	0.9322	0.08 <	0.14	0.04	0.11 <	0.20	CaO	0.02
Ti K	0.00	0.8124	0.00	0.00	0.00			TiO2	0.00
Fe K	3.44	0.8360	4.12	0.42	1.58	5.30	0.54	FeO	0.69
Zr L	0.60	0.7322	0.81	0.48	0.19	1.09	0.65	ZrO2	0.08
Ag L	0.00	0.7160	0.00	0.00	0.00			Ag2O	0.00
Total			99.69+/- 2.29		CompSum	104.21+/- 2.01		CatSum	19.79
								An.Sum	24.00

Inferred phases: Na2SO4

Table S314

Site: Filtr_1a-1
Spectrum: Spectrum 1 11-Jun-2013 07:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391669	116000	70.00/98.63	6	20.00

Peak omited: 1.740 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	65.64	1.5581	42.13	1.40	66.83	21.22	2.27	O	24.00
Mn K	0.69	0.9017	0.77	0.30	0.36	0.99	0.39	MnO	0.13
Fe K	66.41	0.9196	72.22	1.36	32.82	92.91	1.75	FeO	11.79
Total			115.11+/- 1.97		CompSum	93.90+/- 1.79		CatSum	11.92
								An.Sum	24.00

Inferred phases: Fe2O3

Table S315

Site: F1-1
Spectrum: 1 19-Sep-2013 03:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	120268	70.00/100.26	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.93	0.2806	3.33	1.46	20.44
Na K	0.04	0.6391	0.07 <	0.14	0.29
Mg K	0.12	0.6007	0.20	0.12	0.82
Al K	0.10	0.7243	0.14	0.14	0.51
Si K	0.12	0.8550	0.15	0.14	0.51
S K	7.85	1.0664	7.36	0.32	22.57
Cl K	0.31	1.0278	0.30	0.20	0.83
K K	0.00	1.2424	0.00	0.00	0.00
Ca K	0.55	0.8071	0.69	0.28	1.68
Ti K	0.00	0.7604	0.00	0.00	0.00
Fe K	0.00	0.9456	0.00	0.00	0.00
Ag L	52.53	0.9145	57.44	1.44	52.34
Total			69.68+/- 2.12		

Inferred phases: Ag2S

Table S316

Spectrum: 2 19-Sep-2013 03:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	80184	70.00/88.41	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	11.68	0.3864	30.26	3.16	74.20	18.69	3.37	O	23.84
Na K	0.09	0.6698	0.14 <	0.26	0.24	0.19 <	0.35	Na2O	0.08
Mg K	0.13	0.6495	0.20	0.16	0.32	0.33	0.27	MgO	0.10
Al K	0.99	0.7708	1.28	0.20	1.86	2.42	0.38	Al2O3	0.60
Si K	0.63	0.8515	0.74	0.16	1.03	1.58	0.34	SiO2	0.33
S K	0.37	0.9756	0.38	0.12	0.46	0.95	0.30	SO3	0.15
Cl K	0.45	0.9830	0.46	0.14	0.51	0.46	0.14	Cl	0.16
K K	0.34	1.1951	0.28	0.12	0.28	0.34	0.14	K2O	0.09
Ca K	21.50	1.0244	20.99	0.52	20.55	29.37	0.73	CaO	6.60
Ti K	0.42	0.7486	0.56	0.20	0.46	0.93	0.33	TiO2	0.15
Fe K	0.02	0.8066	0.03 <	0.20	0.02	0.04 <	0.26	FeO	0.01
Ag L	0.22	0.8728	0.25 <	0.30	0.09	0.27 <	0.32	Ag2O	0.03
Total			55.54+/-	3.26	CompSum	36.42+/-	1.17	CatSum	8.13
								An.Sum	24.00

Inferred phases: CaCO3

Table S317

Spectrum: 4 19-Sep-2013 03:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	131100	70.00/102.74	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.43	0.3550	26.56	3.22	64.17	5.45	3.86	O	23.87
Na K	0.15	0.6566	0.22 <	0.36	0.38	0.30 <	0.49	Na2O	0.14
Mg K	0.13	0.6184	0.22 <	0.24	0.34	0.36 <	0.40	MgO	0.13
Al K	0.75	0.7396	1.01	0.24	1.44	1.91	0.45	Al2O3	0.54
Si K	0.59	0.8510	0.69	0.20	0.95	1.48	0.43	SiO2	0.35
S K	9.97	1.0237	9.74	0.38	11.75	24.32	0.95	SO3	4.37
Cl K	0.31	0.9740	0.32	0.22	0.34	0.32	0.22	Cl	0.13
K K	0.00	1.1677	0.00	0.00	0.00			K2O	0.00
Ca K	0.70	0.8403	0.83	0.26	0.80	1.16	0.36	CaO	0.30
Ti K	0.24	0.7677	0.32	0.24	0.26	0.53	0.40	TiO2	0.10
Fe K	0.17	0.8972	0.18 <	0.32	0.13	0.23 <	0.41	FeO	0.05
Ag L	46.93	0.8651	54.24	1.44	19.44	58.26	1.55	Ag2O	7.23
Total			94.33+/-	3.63	CompSum	88.56+/-	2.13	CatSum	13.20
								An.Sum	24.00

Inferred phases: Ag2S

Table S318

Spectrum: 5 19-Sep-2013 03:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	80167	70.00/88.34	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.16	0.3815	31.86	3.14	76.56	21.86	3.33	O	23.99
Na K	0.04	0.6504	0.06 <	0.26	0.10	0.08 <	0.35	Na2O	0.03
Mg K	0.03	0.6351	0.05 <	0.18	0.07	0.08 <	0.30	MgO	0.02
Al K	0.30	0.7604	0.39	0.16	0.56	0.74	0.30	Al2O3	0.18
Si K	0.21	0.8603	0.24	0.14	0.33	0.51	0.30	SiO2	0.10
S K	0.06	0.9901	0.06 <	0.10	0.07	0.15 <	0.25	SO3	0.02
Cl K	0.03	1.0017	0.03 <	0.10	0.03	0.03 <	0.10	Cl	0.01
K K	0.10	1.2271	0.08 <	0.10	0.08	0.10 <	0.12	K2O	0.03
Ca K	23.63	1.0323	22.89	0.54	21.96	32.03	0.76	CaO	6.88
Ti K	0.04	0.7439	0.05 <	0.16	0.04	0.08 <	0.27	TiO2	0.01
Fe K	0.06	0.8045	0.07 <	0.20	0.05	0.09 <	0.26	FeO	0.02
Ag L	0.34	0.8932	0.38	0.26	0.14	0.41	0.28	Ag2O	0.04
Total			56.18+/- 3.23		CompSum	34.27+/- 1.12		CatSum	7.33
								An.Sum	24.00

Inferred phases: CaCO3

Table S319

Spectrum: 6 19-Sep-2013 03:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	99112	70.00/93.14	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.13	0.7445	68.69	3.18	78.64	41.31	3.53	O	23.37
Na K	0.31	0.7256	0.43	0.30	0.34	0.58	0.40	Na2O	0.10
Mg K	0.04	0.6927	0.05 <	0.20	0.04	0.08 <	0.33	MgO	0.01
Al K	15.34	0.8098	18.94	0.52	12.85	35.79	0.98	Al2O3	3.82
Si K	0.38	0.7228	0.52	0.18	0.34	1.11	0.39	SiO2	0.10
S K	0.30	0.8830	0.34	0.14	0.19	0.85	0.35	SO3	0.06
Cl K	3.68	0.8994	4.10	0.26	2.12	4.10	0.26	Cl	0.63
K K	0.22	1.0576	0.21	0.12	0.10	0.25	0.14	K2O	0.03
Ca K	0.31	1.0025	0.31	0.14	0.14	0.43	0.20	CaO	0.04
Ti K	11.26	0.8305	13.56	0.50	5.18	22.62	0.83	TiO2	1.54
Fe K	0.00	0.8207	0.00	0.00	0.00			FeO	0.00
Ag L	0.24	0.7865	0.30 <	0.32	0.05	0.32 <	0.34	Ag2O	0.01
Total			107.45+/- 3.32		CompSum	62.04+/- 1.54		CatSum	5.71
								An.Sum	24.00

Inferred phases: unidentified Al-Ti oxide or hydroxide

Table S320

Spectrum: 7 19-Sep-2013 03:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	103873	70.00/94.17	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	56.57	1.0406	54.35	2.38	73.00	19.78	2.85	O	23.98
Na K	0.85	0.8340	1.02	0.30	0.95	1.37	0.40	Na2O	0.31
Mg K	0.24	0.7634	0.32	0.18	0.28	0.53	0.30	MgO	0.09
Al K	9.22	0.8687	10.62	0.40	8.45	20.07	0.76	Al2O3	2.78
Si K	16.75	0.8056	20.79	0.54	15.91	44.48	1.16	SiO2	5.23
S K	0.00	0.7672	0.00	0.00	0.00			SO3	0.00
Cl K	0.07	0.8068	0.09 <	0.12	0.05	0.09 <	0.12	Cl	0.02
K K	1.24	0.9975	1.24	0.18	0.68	1.49	0.22	K2O	0.22

Ca K	0.30	0.9417	0.32	0.14	0.17	0.45	0.20	CaO	0.06
Ti K	0.29	0.8057	0.36	0.18	0.16	0.60	0.30	TiO2	0.05
Fe K	0.72	0.8196	0.88	0.26	0.34	1.13	0.33	FeO	0.11
Ag L	0.00	0.7386	0.00	0.00	0.00			Ag2O	0.00
Total			89.98+/- 2.53		CompSum	70.12+/- 1.56		CatSum	8.85
								An.Sum	24.00

Inferred phases: an unidentified aluminosilicate mineral, probably pyrophyllite

Table S321

Site: F4-1

Spectrum: Spectrum 1 19-Sep-2013 04:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	148020	70.00/108.20	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	3.30	0.3013	10.95	2.30	37.71	-13.80	3.13	O	24.00
Na K	0.94	0.6527	1.44	0.42	3.44	1.94	0.57	Na2O	2.19
S K	13.31	1.0572	12.59	0.42	21.63	31.44	1.05	SO3	13.77
Ag L	64.89	0.8905	72.87	1.64	37.22	78.27	1.76	Ag2O	23.69
Total			97.85+/- 2.89		CompSum	111.65+/- 2.13		CatSum	39.64

Inferred phases: Ag2S

Table S322

Spectrum: Spectrum 2 19-Sep-2013 04:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	150256	70.00/108.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	4.37	0.3087	14.16	2.54	43.17	-11.95	3.34	O	24.00
Na K	0.93	0.6547	1.43	0.46	3.03	1.93	0.62	Na2O	1.68
S K	14.19	1.0538	13.46	0.44	20.48	33.61	1.10	SO3	11.39
Ag L	65.14	0.8842	73.67	1.64	33.32	79.13	1.76	Ag2O	18.52
Total			102.71+/- 3.09		CompSum	114.67+/- 2.17		CatSum	31.59
								An.Sum	24.00

Inferred phases: Ag2S

Table S323

Spectrum: Spectrum 3 19-Sep-2013 04:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	135998	70.00/104.53	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	6.28	0.3259	19.28	2.40	53.38	-2.34 <	3.14	O	24.00
Na K	1.44	0.6532	2.21	0.40	4.25	2.98	0.54	Na2O	1.91
S K	11.03	1.0422	10.58	0.38	14.62	26.42	0.95	SO3	6.57
Ag L	59.85	0.8854	67.59	1.58	27.75	72.60	1.70	Ag2O	12.48
Total			99.65+/- 2.93		CompSum	102.00+/- 2.02		CatSum	20.96
								An.Sum	24.00

Inferred phases: Ag2S

Table S324

Site: F4-2
Spectrum: 1 19-Sep-2013 05:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	170453	70.00/115.68	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	2.69	0.3210	8.38	2.72	36.40	-0.12 <	3.72	O	24.00
Na K	0.56	0.6633	0.85	0.48	2.56	1.15	0.65	Na2O	1.69
S K	0.25	0.9098	0.27	0.26	0.60	0.67	0.65	SO3	0.40
Ca K	0.00	0.8246	0.00	0.00	0.00			CaO	0.00
Ag L	72.72	0.8818	82.46	1.78	53.11	88.58	1.91	Ag2O	35.02
Pt M	17.19	0.8346	20.60	1.30	7.34	22.29	1.41	PtO	4.84
Total			112.57+/- 3.54		CompSum	112.68+/- 2.54		CatSum	41.94
								An.Sum	24.00

Inferred phases: silver-platinum alloy

Table S325

Spectrum: 2 19-Sep-2013 05:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	172368	70.00/115.85	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.14	0.3077	3.70	2.24	20.04
Na K	0.11	0.6576	0.17 <	0.42	0.64
S K	0.37	0.9142	0.40	0.26	1.08
Ca K	0.00	0.8195	0.00	0.00	0.00
Ag L	76.41	0.8897	85.88	1.78	69.01
Pt M	17.44	0.8399	20.77	1.28	9.23
Total			110.92+/- 3.17		

Inferred phases: silver-platinum alloy

Table S326

Spectrum: 3 19-Sep-2013 05:13 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	146289	70.00/107.42	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.84	0.4424	53.90	3.64	77.40	43.76	4.33	O	24.00
Na K	3.40	0.6779	5.02	0.58	5.02	6.77	0.78	Na2O	1.56
S K	0.46	0.9165	0.51	0.22	0.36	1.27	0.55	SO3	0.11
Ca K	4.60	0.8746	5.26	0.38	3.01	7.36	0.53	CaO	0.93
Ag L	49.86	0.8479	58.81	1.54	12.53	63.17	1.65	Ag2O	3.89
Pt M	11.32	0.7957	14.23	1.16	1.68	15.40	1.26	PtO	0.52
Total			137.71+/- 4.18		CompSum	93.97+/- 2.35		CatSum	7.01
								An.Sum	24.00

Inferred phases: silver-platinum alloy

Table S327

Spectrum: 4 19-Sep-2013 05:15 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.13 391567 129330 70.00/102.67 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	3.70	0.3300	11.23	2.44	49.40	1.95	< 3.23	O	24.00
Na K	0.72	0.6610	1.09	0.36	3.34	1.47	0.49	Na2O	1.62
S K	2.37	0.9458	2.50	0.28	5.50	6.24	0.70	SO3	2.67
Ca K	0.00	0.8269	0.00	0.00	0.00			CaO	0.00
Ag L	51.51	0.8815	58.43	1.48	38.12	62.76	1.59	Ag2O	18.52
Pt M	8.32	0.8218	10.12	1.02	3.65	10.95	1.10	PtO	1.77
Total			83.38+/- 3.06		CompSum	81.42+/- 2.11		CatSum	24.59
								An.Sum	24.00

Inferred phases: silver-platinum alloy, Na2SO4

Table S328

Spectrum: 5 19-Sep-2013 05:17 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.13 391567 178097 70.00/118.12 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.42	0.3373	16.08	3.22	49.66	6.67	4.15	O	24.00
Na K	1.25	0.6679	1.88	0.54	4.03	2.53	0.73	Na2O	1.95
S K	0.27	0.9095	0.29	0.26	0.45	0.72	0.65	SO3	0.22
Ca K	0.00	0.8304	0.00	0.00	0.00			CaO	0.00
Ag L	77.04	0.8750	88.03	1.82	40.31	94.56	1.95	Ag2O	19.48
Pt M	18.10	0.8271	21.88	1.34	5.54	23.67	1.45	PtO	2.68
Total			128.17+/- 3.98		CompSum	121.49+/- 2.62		CatSum	24.32
								An.Sum	24.00

Inferred phases: silver-platinum alloy

Table S329

Site: F4-3
Spectrum: 1 19-Sep-2013 05:43 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.13 391567 96619 70.00/92.53 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.94	0.7813	47.26	2.56	65.66	8.49	3.14	O	23.97
F K	0.00	0.1770	0.00	0.00	0.00			F	0.00
Na K	2.80	0.8485	3.30	0.40	3.19	4.45	0.54	Na2O	1.16
Mg K	0.95	0.7426	1.28	0.24	1.17	2.12	0.40	MgO	0.43
Al K	6.39	0.8394	7.61	0.36	6.27	14.38	0.68	Al2O3	2.29
Si K	19.12	0.8281	23.09	0.56	18.27	49.40	1.20	SiO2	6.67
P K	0.18	0.9054	0.19	0.18	0.14	0.44	0.41	P2O5	0.05
S K	0.04	0.7734	0.05 <	0.14	0.04	0.12 <	0.35	SO3	0.01
Cl K	0.09	0.8154	0.11 <	0.14	0.07	0.11 <	0.14	Cl	0.03
K K	4.26	1.0112	4.22	0.26	2.40	5.08	0.31	K2O	0.88
Ca K	1.93	0.9387	2.06	0.22	1.14	2.88	0.31	CaO	0.42
Ti K	1.26	0.8037	1.56	0.24	0.73	2.60	0.40	TiO2	0.27
Fe K	1.89	0.8247	2.29	0.34	0.91	2.95	0.44	FeO	0.33
Co K	0.00	0.8094	0.00	0.00	0.00			CoO	0.00

Ni K	0.00	0.8356	0.00	0.00	0.00			NiO	0.00
Ag L	0.02	0.7468	0.02 <	0.34	0.00	0.02 <	0.37	Ag2O	0.00
Total			93.06+/- 2.77	CompSum		84.44+/- 1.82		CatSum	12.51
								An.Sum	24.00

Inferred phases: silicate glass

Table S330

Spectrum: 2 19-Sep-2013 05:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	89037	70.00/90.73	6	20.00

Peak omited: 12.370 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	27.52	0.4686	58.74	3.72	78.10	41.87	4.01	O	23.92
F K	0.03	0.1250	0.22 <	1.46	0.25	0.22 <	1.46	F	0.08
Na K	1.69	0.6655	2.54	0.42	2.35	3.42	0.57	Na2O	0.72
Mg K	0.22	0.6226	0.36	0.20	0.31	0.60	0.33	MgO	0.09
Al K	0.55	0.7445	0.74	0.18	0.58	1.40	0.34	Al2O3	0.18
Si K	1.56	0.8436	1.85	0.20	1.40	3.96	0.43	SiO2	0.43
P K	0.38	1.1848	0.32	0.16	0.22	0.73	0.37	P2O5	0.07
S K	0.00	0.9565	0.00 <	0.12	0.00	0.00 <	0.30	SO3	0.00
Cl K	0.02	0.9705	0.02 <	0.12	0.01	0.02 <	0.12	Cl	0.00
K K	0.25	1.1806	0.21	0.12	0.12	0.25	0.14	K2O	0.04
Ca K	31.67	1.0202	31.04	0.62	16.48	43.43	0.87	CaO	5.05
Ti K	0.01	0.7578	0.02 <	0.16	0.01	0.03 <	0.27	TiO2	0.00
Fe K	0.13	0.8065	0.17 <	0.26	0.06	0.22 <	0.33	FeO	0.02
Co K	0.03	0.7942	0.04 <	0.24	0.01	0.05 <	0.31	CoO	0.00
Ni K	0.14	0.8254	0.17 <	0.26	0.06	0.22 <	0.33	NiO	0.02
Ag L	0.16	0.8659	0.19 <	0.30	0.04	0.20 <	0.32	Ag2O	0.01
Total			96.62+/- 4.13	CompSum		54.52+/- 1.49		CatSum	6.63
								An.Sum	24.00

Inferred phases: CaCO3

Table S331

Spectrum: 3 19-Sep-2013 05:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	99548	70.00/93.77	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.11	0.3156	28.85	3.30	53.90	-5.75	3.71	O	22.52
F K	0.32	0.1465	2.19	1.14	3.44	2.19	1.14	F	1.44
Na K	0.07	0.7355	0.10 <	0.22	0.12	0.13 <	0.30	Na2O	0.05
Mg K	0.00	0.7043	0.01 <	0.14	0.01	0.02 <	0.23	MgO	0.00
Al K	0.03	0.8300	0.03 <	0.12	0.03	0.06 <	0.23	Al2O3	0.01
Si K	0.20	0.9357	0.22	0.14	0.23	0.47	0.30	SiO2	0.10
P K	19.13	1.3066	14.64	0.46	14.13	33.55	1.05	P2O5	5.90
S K	0.33	0.8797	0.38	0.16	0.35	0.95	0.40	SO3	0.15
Cl K	0.10	0.9126	0.11 <	0.12	0.10	0.11 <	0.12	Cl	0.04
K K	0.06	1.1499	0.05 <	0.12	0.04	0.06 <	0.14	K2O	0.02
Ca K	37.37	1.0122	36.92	0.68	27.53	51.66	0.95	CaO	11.50
Ti K	0.00	0.7372	0.00	0.00	0.00			TiO2	0.00
Fe K	0.00	0.8154	0.00	0.00	0.00			FeO	0.00

Co K	0.13	0.8077	0.17 <	0.26	0.08	0.22 <	0.33	CoO	0.03
Ni K	0.01	0.8434	0.01 <	0.30	0.00	0.01 <	0.38	NiO	0.00
Ag L	0.10	0.8333	0.12 <	0.32	0.03	0.13 <	0.34	Ag2O	0.01
Total			83.78+/-	3.64	CompSum	87.25+/-	1.69	CatSum	17.78
								An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH)

Table S332

Spectrum: 4 19-Sep-2013 05:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	119327	70.00/99.10	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.99	0.5551	82.84	4.02	73.35	41.72	4.51	O	23.20
F K	0.49	0.1451	3.40	2.06	2.53	3.40	2.06	F	0.80
Na K	1.28	0.6436	1.98	0.50	1.22	2.67	0.67	Na2O	0.39
Mg K	0.01	0.6172	0.01 <	0.24	0.00	0.02 <	0.40	MgO	0.00
Al K	0.01	0.7440	0.02 <	0.18	0.01	0.04 <	0.34	Al2O3	0.00
Si K	0.49	0.8546	0.57	0.18	0.29	1.22	0.39	SiO2	0.09
P K	21.84	1.2131	18.00	0.52	8.23	41.24	1.19	P2O5	2.60
S K	0.26	0.8692	0.30	0.18	0.13	0.75	0.45	SO3	0.04
Cl K	0.00	0.8968	0.00	0.00	0.00			Cl	0.00
K K	0.02	1.1040	0.02 <	0.14	0.01	0.02 <	0.17	K2O	0.00
Ca K	34.31	1.0000	34.31	0.66	12.13	48.01	0.92	CaO	3.84
Ti K	0.00	0.7789	0.00	0.00	0.00			TiO2	0.00
Fe K	0.14	0.8338	0.16 <	0.24	0.04	0.21 <	0.31	FeO	0.01
Co K	0.00	0.8070	0.00	0.00	0.00			CoO	0.00
Ni K	7.13	0.8380	8.50	0.68	2.05	10.82	0.87	NiO	0.65
Ag L	0.00	0.8122	0.00	0.00	0.00			Ag2O	0.00
Total			150.12+/-	4.70	CompSum	104.99+/-	2.06	CatSum	7.63
								An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH), NiO

Table S333

Spectrum: 5 19-Sep-2013 05:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	117979	70.00/98.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.66	0.3786	54.55	3.86	65.13	10.45	4.27	O	23.44
F K	0.22	0.1396	1.54	1.46	1.55	1.54	1.46	F	0.56
Na K	0.03	0.7253	0.04 <	0.30	0.03	0.05 <	0.40	Na2O	0.01
Mg K	0.00	0.6968	0.00	0.00	0.00			MgO	0.00
Al K	0.00	0.8216	0.00	0.00	0.00			Al2O3	0.00
Si K	0.35	0.9260	0.38	0.16	0.26	0.81	0.34	SiO2	0.09
P K	26.24	1.2905	20.33	0.54	12.54	46.58	1.24	P2O5	4.51
S K	0.20	0.8708	0.23	0.16	0.14	0.57	0.40	SO3	0.05
Cl K	0.02	0.9027	0.02 <	0.14	0.01	0.02 <	0.14	Cl	0.00
K K	0.00	1.1272	0.00	0.00	0.00			K2O	0.00
Ca K	42.69	1.0025	42.58	0.74	20.30	59.58	1.04	CaO	7.31
Ti K	0.05	0.7489	0.07 <	0.20	0.03	0.12 <	0.33	TiO2	0.01
Fe K	0.00	0.8131	0.00	0.00	0.00			FeO	0.00

Co K	0.00	0.8033	0.00	0.00	0.00			CoO	0.00
Ni K	0.00	0.8369	0.00	0.00	0.00			NiO	0.00
Ag L	0.09	0.8217	0.11 <	0.36	0.02	0.12 <	0.39	Ag2O	0.01
Total			119.85+/-	4.27	CompSum	107.84+/-	1.82	CatSum	11.99
								An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH)

Table S334

Spectrum: 6 19-Sep-2013 05:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	119170	70.00/99.21	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	22.77	0.3891	58.50	3.94	67.07	14.08	4.36	O	23.76
F K	0.10	0.1379	0.69 <	1.50	0.67	0.69 <	1.50	F	0.24
Na K	0.15	0.7242	0.20 <	0.30	0.16	0.27 <	0.40	Na2O	0.06
Mg K	0.03	0.6944	0.05 <	0.20	0.04	0.08 <	0.33	MgO	0.01
Al K	0.02	0.8185	0.02 <	0.16	0.01	0.04 <	0.30	Al2O3	0.00
Si K	0.26	0.9227	0.28	0.18	0.18	0.60	0.39	SiO2	0.06
P K	26.53	1.2878	20.60	0.54	12.20	47.20	1.24	P2O5	4.32
S K	0.19	0.8708	0.22	0.18	0.12	0.55	0.45	SO3	0.04
Cl K	0.00	0.9022	0.00	0.00	0.00			Cl	0.00
K K	0.02	1.1251	0.02 <	0.14	0.01	0.02 <	0.17	K2O	0.00
Ca K	42.70	1.0016	42.64	0.74	19.51	59.66	1.04	CaO	6.91
Ti K	0.00	0.7501	0.00	0.00	0.00			TiO2	0.00
Fe K	0.00	0.8126	0.00	0.00	0.00			FeO	0.00
Co K	0.00	0.8024	0.00	0.00	0.00			CoO	0.00
Ni K	0.06	0.8357	0.07 <	0.32	0.02	0.09 <	0.41	NiO	0.01
Ag L	0.00	0.8208	0.00	0.00	0.00			Ag2O	0.00
Total			123.29+/-	4.35	CompSum	108.52+/-	1.87	CatSum	11.43
								An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH)

Table S335

Spectrum: 8 19-Sep-2013 05:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	81597	70.00/88.79	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	37.68	0.9459	39.84	2.16	63.90	16.27	2.76	O	23.67
F K	0.12	0.1843	0.64 <	1.12	0.86	0.64 <	1.12	F	0.32
Na K	14.77	0.8955	16.49	0.66	18.40	22.23	0.89	Na2O	6.82
Mg K	0.08	0.5812	0.14 <	0.20	0.15	0.23 <	0.33	MgO	0.06
Al K	4.33	0.7037	6.16	0.34	5.86	11.64	0.64	Al2O3	2.17
Si K	4.58	0.7358	6.23	0.34	5.69	13.33	0.73	SiO2	2.11
P K	2.19	0.9949	2.21	0.26	1.83	5.06	0.60	P2O5	0.68
S K	0.35	0.8132	0.43	0.16	0.34	1.07	0.40	SO3	0.13
Cl K	0.03	0.8447	0.04 <	0.14	0.03	0.04 <	0.14	Cl	0.01
K K	0.09	1.0362	0.09 <	0.14	0.06	0.11 <	0.17	K2O	0.02
Ca K	3.39	0.9602	3.53	0.26	2.26	4.94	0.36	CaO	0.84
Ti K	0.00	0.8062	0.00	0.00	0.00			TiO2	0.00
Fe K	0.17	0.8292	0.20 <	0.22	0.09	0.26 <	0.28	FeO	0.03

Co K	0.01	0.8127	0.02 <	0.22	0.01	0.03 <	0.28	CoO	0.00
Ni K	0.06	0.8412	0.07 <	0.24	0.03	0.09 <	0.31	NiO	0.01
Ag L	1.60	0.7684	2.08	0.42	0.49	2.23	0.45	Ag2O	0.18
Total			78.15+/- 2.68	CompSum		61.22+/- 1.72		CatSum	13.04
								An.Sum	24.00

Inferred phases: Na2CO3, Ag2S, Ca5(PO4)4(F,OH)

Table S336

Spectrum: 9 19-Sep-2013 05:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	111944	70.00/97.00	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	71.35	0.9350	76.31	2.72	69.25	24.64	3.41	O	23.99
F K	0.00	0.1702	0.00	0.00	0.00			F	0.00
Na K	8.08	0.8652	9.34	0.56	5.90	12.59	0.75	Na2O	2.04
Mg K	0.11	0.7110	0.16 <	0.20	0.09	0.27 <	0.33	MgO	0.03
Al K	11.18	0.8260	13.54	0.46	7.29	25.58	0.87	Al2O3	2.53
Si K	22.24	0.7982	27.87	0.62	14.40	59.62	1.33	SiO2	4.99
P K	1.44	0.9179	1.57	0.24	0.74	3.60	0.55	P2O5	0.26
S K	0.00	0.7731	0.00	0.00	0.00			SO3	0.00
Cl K	0.06	0.8129	0.07 <	0.14	0.03	0.07 <	0.14	Cl	0.01
K K	0.25	1.0082	0.25	0.14	0.09	0.30	0.17	K2O	0.03
Ca K	5.42	0.9515	5.69	0.32	2.06	7.96	0.45	CaO	0.71
Ti K	0.02	0.8005	0.03 <	0.16	0.01	0.05 <	0.27	TiO2	0.00
Fe K	0.19	0.8206	0.23	0.22	0.06	0.30	0.28	FeO	0.02
Co K	0.17	0.8040	0.22 <	0.26	0.05	0.28 <	0.33	CoO	0.02
Ni K	0.06	0.8319	0.07 <	0.28	0.02	0.09 <	0.36	NiO	0.01
Ag L	0.05	0.7451	0.07 <	0.32	0.01	0.08 <	0.34	Ag2O	0.00
Total			135.42+/- 2.98	CompSum		110.71+/- 2.06		CatSum	10.64
								An.Sum	24.00

Inferred phases: (Na,K)1-xCaxAlSi3-xO8

Table S337

Spectrum: 10 19-Sep-2013 06:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	115700	70.00/98.01	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	53.77	0.7855	68.44	3.14	71.05	32.76	3.86	O	23.84
F K	0.10	0.1802	0.53 <	2.48	0.46	0.53 <	2.48	F	0.15
Na K	2.66	0.5999	4.44	0.60	3.21	5.98	0.81	Na2O	1.08
Mg K	0.54	0.5645	0.95	0.30	0.65	1.58	0.50	MgO	0.22
Al K	0.67	0.6858	0.98	0.24	0.60	1.85	0.45	Al2O3	0.20
Si K	13.00	0.7918	16.42	0.50	9.71	35.13	1.07	SiO2	3.26
P K	0.24	1.0126	0.23	0.20	0.13	0.53	0.46	P2O5	0.04
S K	0.00	0.8500	0.00	0.00	0.00			SO3	0.00
Cl K	0.03	0.8843	0.03 <	0.14	0.01	0.03 <	0.14	Cl	0.00
K K	0.14	1.0894	0.13 <	0.14	0.06	0.16 <	0.17	K2O	0.02
Ca K	17.17	1.0101	16.99	0.48	7.04	23.77	0.67	CaO	2.36
Ti K	0.05	0.8246	0.06 <	0.18	0.02	0.10 <	0.30	TiO2	0.01
Fe K	1.51	0.8450	1.78	0.36	0.53	2.29	0.46	FeO	0.18

Co K	18.73	0.8287	22.60	0.92	6.37	28.74	1.17	CoO	2.14
Ni K	0.40	0.8576	0.47	0.44	0.13	0.60	0.56	NiO	0.04
Ag L	0.17	0.8043	0.21 <	0.36	0.03	0.23 <	0.39	Ag2O	0.01
Total			134.27+/-	4.29	CompSum	100.94+/-	2.25	CatSum	9.56
								An.Sum	24.00

(Na,Mg,Al)CaCoSi2O7

Table S338

Spectrum: 11 19-Sep-2013 06:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	118580	70.00/98.81	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	66.04	0.9282	71.11	2.70	67.35	16.04	3.44	O	23.99
F K	0.00	0.1788	0.00	0.00	0.00			F	0.00
Na K	5.40	0.8685	6.22	0.50	4.10	8.38	0.67	Na2O	1.46
Mg K	0.49	0.7404	0.66	0.24	0.41	1.09	0.40	MgO	0.15
Al K	12.00	0.8475	14.16	0.48	7.95	26.75	0.91	Al2O3	2.83
Si K	26.04	0.8049	32.36	0.66	17.46	69.23	1.41	SiO2	6.22
P K	0.31	0.8882	0.35	0.20	0.17	0.80	0.46	P2O5	0.06
S K	0.13	0.7599	0.17	0.16	0.08	0.42	0.40	SO3	0.03
Cl K	0.04	0.8018	0.05 <	0.14	0.02	0.05 <	0.14	Cl	0.01
K K	1.55	0.9994	1.55	0.20	0.60	1.87	0.24	K2O	0.21
Ca K	3.00	0.9438	3.18	0.26	1.20	4.45	0.36	CaO	0.43
Ti K	0.04	0.8042	0.04 <	0.18	0.01	0.07 <	0.30	TiO2	0.00
Fe K	1.81	0.8235	2.20	0.36	0.60	2.83	0.46	FeO	0.21
Co K	0.13	0.8070	0.17 <	0.28	0.04	0.22 <	0.36	CoO	0.01
Ni K	0.04	0.8333	0.05 <	0.28	0.01	0.06 <	0.36	NiO	0.00
Ag L	0.00	0.7375	0.00	0.00	0.00			Ag2O	0.00
Total			132.25+/-	2.96	CompSum	116.18+/-	2.13	CatSum	11.62
								An.Sum	24.00

Inferred phases: silicate glass

Table S339

Spectrum: 12 19-Sep-2013 06:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	119028	70.00/98.94	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	62.89	0.9130	68.87	2.74	65.64	12.96	3.50	O	23.75
F K	0.14	0.1834	0.78 <	1.62	0.62	0.78 <	1.62	F	0.22
Na K	5.75	0.8729	6.59	0.52	4.37	8.88	0.70	Na2O	1.58
Mg K	0.59	0.7400	0.80	0.24	0.50	1.33	0.40	MgO	0.18
Al K	12.46	0.8458	14.73	0.48	8.32	27.83	0.91	Al2O3	3.01
Si K	26.13	0.8002	32.65	0.66	17.73	69.85	1.41	SiO2	6.41
P K	0.09	0.8840	0.10 <	0.20	0.05	0.23 <	0.46	P2O5	0.02
S K	0.12	0.7587	0.16	0.16	0.08	0.40	0.40	SO3	0.03
Cl K	0.15	0.8013	0.18	0.14	0.08	0.18	0.14	Cl	0.03
K K	1.57	0.9994	1.57	0.20	0.61	1.89	0.24	K2O	0.22
Ca K	3.03	0.9437	3.21	0.26	1.22	4.49	0.36	CaO	0.44

Ti	K	0.06	0.8049	0.07 <	0.18	0.02	0.12 <	0.30	TiO2	0.01
Fe	K	2.07	0.8251	2.51	0.36	0.68	3.23	0.46	FeO	0.25
Co	K	0.02	0.8085	0.03 <	0.28	0.01	0.04 <	0.36	CoO	0.00
Ni	K	0.11	0.8346	0.13 <	0.28	0.03	0.17 <	0.36	NiO	0.01
Ag	L	0.11	0.7371	0.15 <	0.36	0.02	0.16 <	0.39	Ag2O	0.01
Total				132.53+/- 3.43		CompSum	118.61+/- 2.18		CatSum	12.17
									An.Sum	24.00

Inferred phases: (Na,K)1-xCaxAlSi3-xO8

Table S340

Spectrum: 13 19-Sep-2013 06:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	121663	70.00/99.80	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	70.80	0.9315	76.00	2.80	67.38	18.16	3.55	O	23.95
F	K	0.03	0.1770	0.15 <	1.56	0.11	0.15 <	1.56	F	0.04
Na	K	7.02	0.8817	7.96	0.54	4.91	10.73	0.73	Na2O	1.75
Mg	K	0.40	0.7365	0.54	0.22	0.32	0.90	0.36	MgO	0.11
Al	K	12.79	0.8453	15.13	0.48	7.95	28.59	0.91	Al2O3	2.83
Si	K	26.95	0.8023	33.59	0.68	16.97	71.86	1.45	SiO2	6.03
P	K	0.44	0.8901	0.49	0.24	0.23	1.12	0.55	P2O5	0.08
S	K	0.08	0.7603	0.11 <	0.16	0.05	0.27 <	0.40	SO3	0.02
Cl	K	0.05	0.8021	0.07 <	0.14	0.03	0.07 <	0.14	Cl	0.01
K	K	0.94	0.9993	0.94	0.18	0.34	1.13	0.22	K2O	0.12
Ca	K	3.68	0.9452	3.89	0.28	1.38	5.44	0.39	CaO	0.49
Ti	K	0.14	0.8025	0.18	0.18	0.05	0.30	0.30	TiO2	0.02
Fe	K	0.87	0.8221	1.06	0.30	0.27	1.36	0.39	FeO	0.10
Co	K	0.00	0.8056	0.00 <	0.26	0.00	0.00 <	0.33	CoO	0.00
Ni	K	0.05	0.8329	0.06 <	0.30	0.02	0.08 <	0.38	NiO	0.01
Ag	L	0.00	0.7376	0.00	0.00	0.00			Ag2O	0.00
Total				140.19+/- 3.44		CompSum	121.79+/- 2.18		CatSum	11.55
									An.Sum	24.00

Inferred phases: (Na,K)1-xCaxAlSi3-xO8

Table S341

Spectrum: 14 19-Sep-2013 06:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	84726	70.00/89.35	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	42.17	1.0807	39.03	2.08	70.00	21.28	2.55	O	23.63
F	K	0.07	0.1689	0.40 <	1.24	0.60	0.40 <	1.24	F	0.20
Na	K	9.73	0.8526	11.41	0.60	14.24	15.38	0.81	Na2O	4.81
Mg	K	0.09	0.5955	0.15 <	0.20	0.17	0.25 <	0.33	MgO	0.06
Al	K	2.97	0.7173	4.14	0.30	4.40	7.82	0.57	Al2O3	1.49
Si	K	5.48	0.7588	7.22	0.34	7.38	15.45	0.73	SiO2	2.49
P	K	0.28	0.9830	0.29	0.16	0.26	0.66	0.37	P2O5	0.09
S	K	0.10	0.8214	0.13	0.12	0.11	0.32	0.30	SO3	0.04
Cl	K	0.51	0.8503	0.60	0.14	0.49	0.60	0.14	Cl	0.17
K	K	0.49	1.0298	0.47	0.14	0.35	0.57	0.17	K2O	0.12
Ca	K	2.54	0.9638	2.64	0.22	1.89	3.69	0.31	CaO	0.64

Ti K	0.00	0.8063	0.00	0.00	0.00			TiO2	0.00
Fe K	0.10	0.8211	0.12 <	0.18	0.06	0.15 <	0.23	FeO	0.02
Co K	0.07	0.8040	0.08 <	0.20	0.04	0.10 <	0.25	CoO	0.01
Ni K	0.00	0.8314	0.00	0.00	0.00			NiO	0.00
Ag L	0.01	0.7653	0.01 <	0.30	0.00	0.01 <	0.32	Ag2O	0.00
Total			66.68+/- 2.60		CompSum	44.41+/- 1.48		CatSum	9.76
								An.Sum	24.00

Inferred phases: (Na,K)1-xCaxAlSi3-xO8

Table S342

Site: F4-4
Spectrum: 1 19-Sep-2013 06:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	114454	70.00/97.79	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.07	0.3400	3.13	1.58	4.13
F K	15.39	0.2566	60.01	2.24	66.65
Na K	0.21	0.5827	0.36	0.34	0.33
P K	0.02	1.2181	0.02 <	0.16	0.01
S K	0.11	0.9956	0.11 <	0.14	0.07
Ca K	58.51	1.0705	54.66	0.80	28.78
Ni K	0.05	0.8589	0.05 <	0.32	0.02
Pt M	0.00	0.7783	0.00	0.00	0.00
Total			118.34+/- 2.90		

Inferred phases: CaF2

Table S343

Spectrum: 2 19-Sep-2013 06:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	130921	70.00/102.89	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	8.52	0.5277	16.14	1.94	22.77
F K	12.24	0.2758	44.39	2.00	52.73
Na K	1.68	0.6909	2.43	0.46	2.38
P K	0.01	1.2613	0.01 <	0.42	0.01
S K	0.00	0.8014	0.00	0.00	0.00
Ca K	30.68	0.9856	31.13	0.66	17.53
Ni K	2.47	0.9221	2.68	0.52	1.03
Pt M	24.95	0.8105	30.79	1.42	3.56
Total			127.57+/- 3.30		

Inferred phases: CaF2, Pt-Ni alloy

Table S344

Spectrum: 3 19-Sep-2013 06:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	96982	70.00/93.16	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%

O	K	6.27	0.3214	19.50	2.60	31.85
F	K	4.54	0.1786	25.43	1.90	34.99
Na	K	1.64	0.6299	2.61	0.36	2.96
P	K	0.09	1.2268	0.08 <	0.14	0.06
S	K	0.00	0.9977	0.00	0.00	0.00
Ca	K	49.07	1.0617	46.22	0.74	30.13
Ni	K	0.00	0.8476	0.00	0.00	0.00
Pt	M	0.02	0.7822	0.03 <	0.44	0.00
Total				93.86+/- 3.36		

Inferred phases: CaF2

Table S345

Spectrum: 4 19-Sep-2013 06:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	114579	70.00/98.17	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	22.25	0.4256	52.29	3.14	57.51	12.02	3.83	O	19.39
F	K	2.31	0.1568	14.75	1.84	13.66	14.75	1.84	F	4.61
Na	K	0.55	0.6940	0.79	0.36	0.60	1.06	0.49	Na2O	0.20
P	K	22.72	1.2703	17.88	0.52	10.16	40.97	1.19	P2O5	3.43
S	K	0.43	0.8775	0.49	0.18	0.27	1.22	0.45	SO3	0.09
Ca	K	40.46	1.0056	40.23	0.72	17.66	56.29	1.01	CaO	5.96
Ni	K	0.12	0.8413	0.14 <	0.32	0.04	0.18 <	0.41	NiO	0.01
Pt	M	0.75	0.8098	0.93 <	1.22	0.08	1.01 <	1.32	PtO	0.03
Total				127.50+/- 3.97		CompSum	100.73+/- 2.19		CatSum	9.72
									An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH)

Table S346

Spectrum: 5 19-Sep-2013 06:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	103483	70.00/94.90	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	2.08	0.2832	7.35	1.86	13.28
F	K	6.25	0.1975	31.63	1.88	48.13
Na	K	0.10	0.6190	0.17 <	0.24	0.21
P	K	0.97	1.2492	0.78	0.18	0.72
S	K	0.02	1.0022	0.02 <	0.12	0.02
Ca	K	55.85	1.0721	52.09	0.78	37.57
Ni	K	0.00	0.8561	0.00	0.00	0.00
Pt	M	0.41	0.7955	0.52 <	0.60	0.08
Total				92.55+/- 2.84		

Inferred phases: CaF2

Table S347

Site: F4-5

Spectrum: 1 19-Sep-2013 07:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	118305	70.00/99.06	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	20.48	0.3844	53.25	3.28	63.75	8.25	3.78	O	23.13
F K	0.34	0.1432	2.37	1.50	2.39	2.37	1.50	F	0.87
Na K	0.19	0.7339	0.26 <	0.30	0.22	0.35 <	0.40	Na2O	0.08
Mg K	0.00	0.7015	0.00	0.00	0.00			MgO	0.00
Al K	0.14	0.8261	0.17	0.16	0.12	0.32	0.30	Al2O3	0.04
Si K	0.55	0.9282	0.60	0.20	0.41	1.28	0.43	SiO2	0.15
P K	27.02	1.2742	21.21	0.56	13.11	48.60	1.28	P2O5	4.76
K K	0.15	1.1174	0.14	0.14	0.07	0.17	0.17	K2O	0.03
Ca K	41.22	0.9994	41.25	0.74	19.71	57.72	1.04	CaO	7.15
Fe K	0.00	0.8156	0.00	0.00	0.00			FeO	0.00
Sr L	0.92	0.8774	1.05	0.52	0.23	1.24	0.61	SrO	0.08
Total			120.29+/-	3.78	CompSum	109.68+/-	1.89	CatSum	12.29
								An.Sum	24.00

Inferred phases: Ca5(PO4)4(F,OH)

Table S348

Spectrum: 2 19-Sep-2013 07:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	119605	70.00/99.04	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	77.61	1.0425	74.44	2.18	65.55	13.82	3.17	O	24.00
F K	0.00	0.1869	0.00	0.00	0.00			F	0.00
Na K	12.06	0.9348	12.90	0.60	7.91	17.39	0.81	Na2O	2.90
Mg K	0.00	0.7232	0.00	0.00	0.00			MgO	0.00
Al K	11.05	0.8389	13.17	0.46	6.88	24.88	0.87	Al2O3	2.52
Si K	31.47	0.8107	38.82	0.72	19.47	83.05	1.54	SiO2	7.13
P K	0.00	0.8586	0.00	0.00	0.00			P2O5	0.00
K K	0.16	0.9839	0.16	0.14	0.06	0.19	0.17	K2O	0.02
Ca K	0.03	0.9390	0.03 <	0.14	0.01	0.04 <	0.20	CaO	0.00
Fe K	0.22	0.8233	0.27	0.22	0.07	0.35	0.28	FeO	0.03
Sr L	0.30	0.7722	0.39 <	1.00	0.06	0.46 <	1.18	SrO	0.02
Total			140.18+/-	2.63	CompSum	126.36+/-	2.31	CatSum	12.62

Inferred phases: NaAlSi3O8

Table S349

Spectrum: 3 19-Sep-2013 07:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	99236	70.00/93.51	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	40.87	0.8883	45.99	1.88	62.38	1.13 <	2.82	O	24.00
F K	0.00	0.1961	0.00	0.00	0.00			F	0.00
Na K	3.80	0.9087	4.18	0.40	3.95	5.63	0.54	Na2O	1.52
Mg K	0.59	0.7711	0.76	0.20	0.68	1.26	0.33	MgO	0.26
Al K	9.80	0.8708	11.26	0.42	9.06	21.28	0.79	Al2O3	3.49
Si K	22.24	0.8093	27.48	0.62	21.23	58.79	1.33	SiO2	8.17
P K	0.05	0.8518	0.06 <	0.18	0.04	0.14 <	0.41	P2O5	0.02
K K	2.26	0.9875	2.29	0.22	1.27	2.76	0.27	K2O	0.49
Ca K	0.43	0.9331	0.47	0.16	0.25	0.66	0.22	CaO	0.10
Fe K	2.20	0.8285	2.66	0.36	1.03	3.42	0.46	FeO	0.40
Sr L	0.35	0.7714	0.45 <	0.90	0.11	0.53 <	1.06	SrO	0.04

Total			95.59+/- 2.31	CompSum	94.47+/- 2.10		CatSum	14.47
							An.Sum	24.00

Table S350

Inferred phases: (Na,K)AlSi3O8

Spectrum: 4 19-Sep-2013 07:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	81675	70.00/88.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.67	0.5847	21.67	1.62	53.14	-7.58	2.29	O	24.00
F K	0.00	0.1990	0.00	0.00	0.00			F	0.00
Na K	1.95	0.9700	2.01	0.26	3.43	2.71	0.35	Na2O	1.55
Mg K	0.09	0.8255	0.11 <	0.12	0.18	0.18 <	0.20	MgO	0.08
Al K	4.76	0.9307	5.11	0.28	7.44	9.66	0.53	Al2O3	3.36
Si K	17.05	0.8822	19.32	0.50	27.00	41.33	1.07	SiO2	12.19
P K	0.00	0.8632	0.00	0.00	0.00			P2O5	0.00
K K	8.14	0.9979	8.16	0.34	8.19	9.83	0.41	K2O	3.70
Ca K	0.28	0.8889	0.31	0.18	0.30	0.43	0.25	CaO	0.14
Fe K	0.25	0.8278	0.31	0.24	0.22	0.40	0.31	FeO	0.10
Sr L	0.20	0.8359	0.24 <	0.72	0.11	0.28 <	0.85	SrO	0.05
Total			57.24+/- 1.94	CompSum	64.82+/- 1.62		CatSum	21.17
							An.Sum	24.00

Inferred phases: (K,Na)AlSi3O8

Table S351

Site: F4-7

Spectrum: Spectrum 1 19-Sep-2013 07:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	86955	70.00/90.24	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.41	0.4966	25.00	1.92	77.78	11.66	2.60	O	23.88
Na K	0.55	0.8388	0.65	0.24	1.41	0.88	0.32	Na2O	0.43
Cl K	0.18	0.6441	0.28	0.16	0.40	0.28	0.16	Cl	0.12
Zr L	33.18	0.8873	37.39	1.28	20.41	50.51	1.73	ZrO2	6.27
Total			63.33+/- 2.33	CompSum	51.38+/- 1.76		CatSum	6.70
							An.Sum	24.00

Inferred phases: ZrO(OH)2

Table S352

Spectrum: Spectrum 2 19-Sep-2013 07:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	121362	70.00/99.55	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	31.66	0.5547	57.08	2.74	83.38	35.47	3.55	O	23.89
Na K	0.48	0.8060	0.60	0.34	0.61	0.81	0.46	Na2O	0.17
Cl K	0.39	0.6696	0.58	0.24	0.38	0.58	0.24	Cl	0.11
Zr L	53.05	0.8698	61.00	1.64	15.63	82.40	2.22	ZrO2	4.48

Total	119.25+/- 3.22	CompSum	83.21+/- 2.26	CatSum	4.65		
				An.Sum	24.00		

Inferred phases: ZrO(OH)2

Table S353

Site: F4-8
Spectrum: 2 19-Sep-2013 08:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	94516	70.00/92.11	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.06	0.4667	72.97	3.28	82.02	57.09	3.58	O	24.00
Na K	0.62	0.6410	0.97	0.46	0.76	1.31	0.62	Na2O	0.22
Mg K	0.00	0.6198	0.00	0.00	0.00			MgO	0.00
Al K	0.04	0.7458	0.06 <	0.16	0.04	0.11 <	0.30	Al2O3	0.01
Si K	0.10	0.8529	0.12 <	0.14	0.08	0.26 <	0.30	SiO2	0.02
P K	0.09	1.2202	0.08 <	0.16	0.05	0.18 <	0.37	P2O5	0.01
S K	0.09	0.9808	0.09 <	0.12	0.05	0.22 <	0.30	SO3	0.01
Cl K	0.02	0.9894	0.02 <	0.12	0.01	0.02 <	0.12	Cl	0.00
K K	0.05	1.2030	0.05 <	0.12	0.02	0.06 <	0.14	K2O	0.01
Ca K	38.72	1.0265	37.72	0.68	16.93	52.78	0.95	CaO	4.95
Fe K	0.05	0.8030	0.06 <	0.22	0.02	0.08 <	0.28	FeO	0.01
Zn K	0.09	0.7841	0.12 <	0.40	0.03	0.15 <	0.50	ZnO	0.01
Zr L	0.00	0.7809	0.00	0.00	0.00			ZrO2	0.00
Total			112.25+/- 3.43	CompSum	55.15+/- 1.43	CatSum	5.26		
						An.Sum	24.00		

Inferred phases: CaCO3

Table S354

Spectrum: 3 19-Sep-2013 08:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	108539	70.00/96.07	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.65	0.3877	48.09	2.98	65.35	11.94	3.84	O	23.36
Na K	1.66	0.7432	2.24	0.48	2.12	3.02	0.65	Na2O	0.76
Mg K	0.02	0.6875	0.03 <	0.18	0.03	0.05 <	0.30	MgO	0.01
Al K	0.01	0.8123	0.02 <	0.14	0.01	0.04 <	0.26	Al2O3	0.00
Si K	0.21	0.9175	0.23	0.16	0.18	0.49	0.34	SiO2	0.06
P K	20.86	1.2843	16.25	0.54	11.40	37.23	1.24	P2O5	4.08
S K	0.00	0.8795	0.00	0.00	0.00			SO3	0.00
Cl K	2.64	0.9089	2.90	0.24	1.78	2.90	0.24	Cl	0.64
K K	0.04	1.1101	0.04 <	0.14	0.02	0.05 <	0.17	K2O	0.01
Ca K	35.02	0.9956	35.18	0.68	19.08	49.22	0.95	CaO	6.82
Fe K	0.00	0.8142	0.00	0.00	0.00			FeO	0.00
Zn K	0.00	0.8016	0.00	0.00	0.00			ZnO	0.00
Zr L	0.08	0.8206	0.10 <	1.22	0.02	0.14 <	1.65	ZrO2	0.01
Total			105.07+/- 3.39	CompSum	90.24+/- 2.42	CatSum	11.75		
						An.Sum	24.00		

Inferred phases: Ca5(PO4)4(Cl,OH)

Table S355

Spectrum: 4 19-Sep-2013 08:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	87769	70.00/90.40	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	35.78	0.7716	46.34	2.04	73.09	16.61	3.06	O	23.99
Na K	2.09	0.8258	2.54	0.42	2.78	3.42	0.57	Na2O	0.91
Mg K	0.13	0.7333	0.18	0.16	0.19	0.30	0.27	MgO	0.06
Al K	1.10	0.8496	1.29	0.20	1.21	2.44	0.38	Al2O3	0.40
Si K	17.07	0.9167	18.62	0.48	16.73	39.83	1.03	SiO2	5.49
P K	0.21	1.0005	0.21 <	0.40	0.17	0.48 <	0.92	P2O5	0.06
S K	0.62	0.7388	0.84	0.20	0.66	2.10	0.50	SO3	0.22
Cl K	0.05	0.7663	0.06 <	0.14	0.04	0.06 <	0.14	Cl	0.01
K K	0.71	0.9790	0.72	0.16	0.47	0.87	0.19	K2O	0.15
Ca K	2.25	0.9346	2.41	0.24	1.52	3.37	0.34	CaO	0.50
Fe K	0.69	0.8367	0.82	0.28	0.37	1.05	0.36	FeO	0.12
Zn K	0.04	0.8092	0.05 <	0.36	0.02	0.06 <	0.45	ZnO	0.01
Zr L	6.41	0.6457	9.92	1.06	2.74	13.40	1.43	ZrO2	0.90
Total			84.01+/- 2.50	CompSum	67.33+/- 2.28			CatSum	8.81
								An.Sum	24.00

Inferred phases: ZrSiO4

Table S356

Spectrum: 5 19-Sep-2013 08:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	113832	70.00/97.49	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	59.60	0.7537	79.07	2.74	82.65	50.02	3.83	O	23.98
Na K	1.53	0.7814	1.95	0.50	1.42	2.63	0.67	Na2O	0.41
Mg K	0.35	0.7199	0.48	0.24	0.33	0.80	0.40	MgO	0.10
Al K	2.18	0.8366	2.61	0.26	1.62	4.93	0.49	Al2O3	0.47
Si K	9.93	0.9120	10.89	0.40	6.48	23.30	0.86	SiO2	1.88
P K	0.00	1.1669	0.00	0.00	0.00			P2O5	0.00
S K	0.05	0.7159	0.08 <	0.22	0.04	0.20 <	0.55	SO3	0.01
Cl K	0.10	0.7386	0.14 <	0.18	0.07	0.14 <	0.18	Cl	0.02
K K	0.80	0.9635	0.83	0.18	0.36	1.00	0.22	K2O	0.10
Ca K	0.44	0.9315	0.48	0.18	0.20	0.67	0.25	CaO	0.06
Fe K	0.73	0.8583	0.85	0.30	0.25	1.09	0.39	FeO	0.07
Zn K	0.00	0.8344	0.00	0.00	0.00			ZnO	0.00
Zr L	26.91	0.7489	35.93	1.66	6.59	48.53	2.24	ZrO2	1.91
Total			133.31+/- 3.32	CompSum	83.15+/- 2.68			CatSum	5.02
								An.Sum	24.00

Inferred phases: ZrSiO4

Table S357

Spectrum: 6 19-Sep-2013 08:26 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	111961	70.00/96.79	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	53.62	0.9168	58.48	2.06	68.20	4.80	2.83	O	23.99
Na K	0.20	0.8950	0.23 <	0.28	0.18	0.31 <	0.38	Na2O	0.06
Mg K	0.14	0.8204	0.17	0.16	0.13	0.28	0.27	MgO	0.05
Al K	0.72	0.9278	0.78	0.18	0.54	1.47	0.34	Al2O3	0.19
Si K	44.82	0.9733	46.05	0.70	30.59	98.52	1.50	SiO2	10.76
P K	0.07	0.8262	0.09 <	0.20	0.05	0.21 <	0.46	P2O5	0.02
S K	0.00	0.7155	0.00 <	0.14	0.00	0.00 <	0.35	SO3	0.00
Cl K	0.05	0.7632	0.07 <	0.14	0.04	0.07 <	0.14	Cl	0.01
K K	0.24	0.9649	0.25	0.14	0.12	0.30	0.17	K2O	0.04
Ca K	0.10	0.9235	0.11 <	0.14	0.05	0.15 <	0.20	CaO	0.02
Fe K	0.08	0.8180	0.10 <	0.24	0.03	0.13 <	0.31	FeO	0.01
Zn K	0.07	0.7864	0.08 <	0.38	0.02	0.10 <	0.47	ZnO	0.01
Zr L	0.11	0.5367	0.21 <	0.52	0.04	0.28 <	0.70	ZrO2	0.01
Total			106.62+/-	2.34	CompSum	101.75+/-	1.94	CatSum	11.17
								An.Sum	24.00

Inferred phases: SiO2·(nH2O)

Table S358

Spectrum: 7 19-Sep-2013 08:28 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	107872	70.00/95.90	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	69.44	1.0056	69.05	2.20	71.88	24.54	2.92	O	23.99
Na K	0.62	0.7963	0.77	0.38	0.56	1.04	0.51	Na2O	0.19
Mg K	1.30	0.7415	1.75	0.26	1.20	2.90	0.43	MgO	0.40
Al K	10.27	0.8355	12.29	0.44	7.59	23.22	0.83	Al2O3	2.53
Si K	20.63	0.8020	25.73	0.60	15.26	55.04	1.28	SiO2	5.09
P K	0.13	0.9134	0.15 <	0.22	0.08	0.34 <	0.50	P2O5	0.03
S K	0.12	0.7778	0.15 <	0.16	0.08	0.37 <	0.40	SO3	0.03
Cl K	0.08	0.8164	0.09 <	0.14	0.04	0.09 <	0.14	Cl	0.01
K K	3.71	1.0073	3.68	0.26	1.57	4.43	0.31	K2O	0.52
Ca K	0.51	0.9424	0.54	0.18	0.23	0.76	0.25	CaO	0.08
Fe K	4.18	0.8247	5.07	0.46	1.51	6.52	0.59	FeO	0.50
Zn K	0.00	0.7889	0.00	0.00	0.00			ZnO	0.00
Zr L	0.00	0.5913	0.00	0.00	0.00			ZrO2	0.00
Total			119.28+/-	2.45	CompSum	94.64+/-	1.93	CatSum	9.37
								An.Sum	24.00

Inferred phases: silicate glass

Table S359

Spectrum: 9 19-Sep-2013 08:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.13	391567	101333	70.00/93.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	37.79	0.8937	42.26	1.78	58.07	-6.74	2.61	O	23.98
Na K	8.32	1.0141	8.21	0.58	7.85	11.07	0.78	Na2O	3.24
Mg K	0.10	0.7733	0.13 <	0.18	0.12	0.22 <	0.30	MgO	0.05
Al K	8.96	0.8822	10.16	0.40	8.28	19.20	0.76	Al2O3	3.42
Si K	26.53	0.8235	32.20	0.64	25.21	68.89	1.37	SiO2	10.41

P	K	0.02	0.8177	0.03	<	0.20	0.02	0.07	< 0.46	P2O5	0.01
S	K	0.02	0.7134	0.03	<	0.14	0.02	0.07	< 0.35	SO3	0.01
Cl	K	0.06	0.7638	0.08	<	0.14	0.05	0.08	< 0.14	Cl	0.02
K	K	0.14	0.9705	0.15		0.14	0.08	0.18	0.17	K2O	0.03
Ca	K	0.47	0.9301	0.51		0.16	0.28	0.71	0.22	CaO	0.12
Fe	K	0.05	0.8260	0.06	<	0.22	0.03	0.08	< 0.28	FeO	0.01
Zn	K	0.00	0.7950	0.00		0.00	0.00			ZnO	0.00
Zr	L	0.00	0.5317	0.00		0.00	0.00			ZrO2	0.00
Total				93.83+/- 2.07			CompSum	100.48+/- 1.91		CatSum	17.30

Inferred phases: NaAlSi3O8

Table S360

Site: F4-1
Spectrum: 1 1-Okt-2013 07:12 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	148565	70.00/108.79	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%		2σ wt%	At%
O	K	3.11	1.1704	2.66		0.94	8.28
F	K	0.55	0.7001	0.78	<	1.08	2.04
Na	K	0.14	0.3748	0.36	<	0.46	0.79
Mg	K	0.00	0.3862	0.00		0.00	0.00
Al	K	0.06	0.5071	0.12	<	0.22	0.22
Si	K	0.15	0.6398	0.24		0.20	0.42
P	K	0.61	0.9999	0.61		0.28	0.99
S	K	0.10	0.8628	0.12	<	0.20	0.19
Cl	K	0.11	0.9225	0.12	<	0.16	0.16
K	K	0.02	1.1843	0.02	<	0.14	0.02
Ca	K	1.99	1.1494	1.73		0.20	2.15
Fe	K	93.52	0.9867	94.78		1.38	84.54
Ag	L	0.16	0.8619	0.19	<	0.40	0.09
W	M	0.16	0.5497	0.29	<	0.64	0.08
Pt	M	0.08	0.6542	0.12	<	0.72	0.03
Au	M	0.00	0.6822	0.01	<	1.02	0.00
Total				102.15+/- 2.57			

Inferred phases: native Fe

Table S361

Spectrum: 2 1-Okt-2013 07:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	134998	70.00/104.02	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%		2σ wt%	At%
O	K	5.02	0.3879	12.94		2.54	13.67
F	K	18.17	0.2555	71.13		2.72	63.30
Na	K	0.63	0.5742	1.09		0.40	0.80
Mg	K	0.04	0.5697	0.07	<	0.22	0.05
Al	K	0.00	0.7026	0.00		0.00	0.00
Si	K	0.06	0.8232	0.07	<	0.16	0.04
P	K	0.97	1.1992	0.81		0.24	0.44
S	K	0.06	0.9730	0.06	<	0.16	0.03
Cl	K	0.18	0.9942	0.18		0.14	0.09
K	K	0.43	1.2227	0.35		0.14	0.15
Ca	K	53.32	1.0547	50.56		0.72	21.33

Fe K	0.13	0.8334	0.15 <	0.24	0.05
Ag L	0.15	0.8915	0.17 <	0.32	0.03
W M	0.15	0.6916	0.22 <	0.48	0.02
Pt M	0.05	0.7670	0.07 <	0.62	0.01
Au M	0.00	0.7865	0.00	0.00	0.00
Total			137.87+/- 3.94		

Inferred phases: CaF2

Table S362

Spectrum: 3 1-Okt-2013 07:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	129904	70.00/102.34	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.34	0.3632	45.00	3.52	59.04	4.87	4.11	O	21.25
F K	1.00	0.1463	6.86	1.62	7.58	6.86	1.62	F	2.73
Na K	0.17	0.7167	0.24 <	0.26	0.22	0.32 <	0.35	Na2O	0.08
Mg K	0.00	0.6897	0.00	0.00	0.00			MgO	0.00
Al K	0.00	0.8169	0.00 <	0.14	0.00	0.00 <	0.26	Al2O3	0.00
Si K	0.00	0.9228	0.00	0.00	0.00			SiO2	0.00
P K	24.22	1.2795	18.93	0.56	12.83	43.38	1.28	P2O5	4.62
S K	0.00	0.8605	0.00	0.00	0.00			SO3	0.00
Cl K	0.09	0.8961	0.10 <	0.12	0.06	0.10 <	0.12	Cl	0.02
K K	0.00	1.1189	0.00 <	0.12	0.00	0.00 <	0.14	K2O	0.00
Ca K	38.45	1.0022	38.37	0.64	20.09	53.69	0.90	CaO	7.23
Fe K	0.05	0.8190	0.06 <	0.24	0.02	0.08 <	0.31	FeO	0.01
Ag L	0.00	0.8158	0.00	0.00	0.00			Ag2O	0.00
W M	0.63	0.7626	0.83	0.48	0.09	1.05	0.61	WO3	0.03
Pt M	0.48	0.8145	0.58 <	1.10	0.06	0.63 <	1.19	PtO	0.02
Au M	0.00	0.8292	0.00	0.00	0.00			Au2O	0.00
Total			110.97+/- 4.17		CompSum	99.14+/- 2.13		CatSum	11.99
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S363

Spectrum: 4 1-Okt-2013 07:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	99759	70.00/93.72	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.33	0.5568	50.89	2.86	68.95	25.15	3.69	O	22.21
F K	0.68	0.1474	4.60	1.60	5.24	4.60	1.60	F	1.69
Na K	4.32	0.7310	5.91	0.46	5.58	7.97	0.62	Na2O	1.80
Mg K	0.05	0.6367	0.07 <	0.16	0.06	0.12 <	0.27	MgO	0.02
Al K	1.23	0.7630	1.61	0.20	1.29	3.04	0.38	Al2O3	0.42
Si K	1.19	0.8509	1.40	0.18	1.08	3.00	0.39	SiO2	0.35
P K	11.33	1.1768	9.63	0.44	6.74	22.07	1.01	P2O5	2.17
S K	0.10	0.8571	0.12 <	0.18	0.08	0.30 <	0.45	SO3	0.03
Cl K	0.47	0.8854	0.53	0.14	0.32	0.53	0.14	Cl	0.10
K K	0.19	1.0823	0.18	0.12	0.10	0.22	0.14	K2O	0.03
Ca K	18.75	0.9879	18.98	0.46	10.27	26.56	0.64	CaO	3.31
Fe K	0.23	0.8202	0.28	0.22	0.11	0.36	0.28	FeO	0.04

Ag	L	0.03	0.7975	0.04 <	0.28	0.01	0.04 <	0.30	Ag2O	0.00
W	M	0.69	0.7095	0.97	0.60	0.11	1.22	0.76	WO3	0.04
Pt	M	0.34	0.7544	0.46 <	0.94	0.05	0.50 <	1.02	PtO	0.02
Au	M	0.08	0.7714	0.11 <	1.08	0.01	0.11 <	1.12	Au2O	0.00
Total				95.78+/-	3.75	CompSum	65.50+/-	2.33	CatSum	8.21
									An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S364

Spectrum: 5 1-Okt-2013 07:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	93479	70.00/91.60	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	22.37	0.6693	33.44	2.40	66.86	25.42	2.77	O	19.41
F	K	1.23	0.1519	8.11	1.78	13.65	8.11	1.78	F	3.96
Na	K	3.21	0.6696	4.79	0.46	6.66	6.46	0.62	Na2O	1.93
Mg	K	0.22	0.5793	0.38	0.20	0.50	0.63	0.33	MgO	0.15
Al	K	0.20	0.7012	0.29	0.16	0.34	0.55	0.30	Al2O3	0.10
Si	K	0.37	0.8092	0.45	0.14	0.51	0.96	0.30	SiO2	0.15
P	K	0.31	1.1634	0.26	0.18	0.27	0.60	0.41	P2O5	0.08
S	K	0.56	0.9400	0.60	0.16	0.60	1.50	0.40	SO3	0.17
Cl	K	2.27	0.9400	2.41	0.18	2.18	2.41	0.18	Cl	0.63
K	K	0.64	1.0954	0.59	0.12	0.48	0.71	0.14	K2O	0.14
Ca	K	9.67	0.9925	9.74	0.34	7.77	13.63	0.48	CaO	2.26
Fe	K	0.23	0.8179	0.28	0.18	0.16	0.36	0.23	FeO	0.05
Ag	L	0.04	0.8121	0.05 <	0.26	0.01	0.05 <	0.28	Ag2O	0.00
W	M	0.00	0.6794	0.00 <	0.44	0.00	0.00 <	0.55	WO3	0.00
Pt	M	0.01	0.7448	0.01 <	0.46	0.00	0.01 <	0.50	PtO	0.00
Au	M	0.00	0.7630	0.00	0.00	0.00			Au2O	0.00
Total				61.40+/-	3.15	CompSum	25.46+/-	1.39	CatSum	5.02
									An.Sum	24.00

Inferred phases: Ca-Na carbonate, unidentified fluoride

Table S365

Spectrum: 6 1-Okt-2013 07:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	138176	70.00/104.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	30.76	0.4466	68.88	3.66	65.07	26.16	4.36	O	20.95
F	K	1.72	0.1452	11.87	2.08	9.44	11.87	2.08	F	3.04
Na	K	0.37	0.6946	0.53	0.34	0.35	0.71	0.46	Na2O	0.11
Mg	K	0.10	0.6701	0.15 <	0.20	0.09	0.25 <	0.33	MgO	0.03
Al	K	0.09	0.7960	0.11 <	0.16	0.06	0.21 <	0.30	Al2O3	0.02
Si	K	0.03	0.9016	0.03 <	0.16	0.02	0.06 <	0.34	SiO2	0.01
P	K	25.40	1.2543	20.25	0.58	9.88	46.40	1.33	P2O5	3.18
S	K	0.06	0.8645	0.07 <	0.22	0.03	0.17 <	0.55	SO3	0.01
Cl	K	0.11	0.8955	0.12 <	0.14	0.05	0.12 <	0.14	Cl	0.02
K	K	0.05	1.1048	0.05 <	0.14	0.02	0.06 <	0.17	K2O	0.01
Ca	K	39.08	0.9970	39.19	0.66	14.78	54.83	0.92	CaO	4.76
Fe	K	0.03	0.8190	0.04 <	0.22	0.01	0.05 <	0.28	FeO	0.00

Ag	L	0.00	0.8107	0.00	0.00	0.00			Ag2O	0.00
W	M	0.79	0.7467	1.06	0.50	0.09	1.34	0.63	WO3	0.03
Pt	M	1.05	0.8000	1.32	1.18	0.10	1.43	1.28	PtO	0.03
Au	M	0.00	0.8142	0.00	0.00	0.00			Au2O	0.00
Total				143.68+/- 4.53	CompSum	105.52+/- 2.36			CatSum	8.19
									An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S366

Spectrum: 8 1-Okt-2013 07:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	112521	70.00/97.10	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	11.66	0.3760	30.99	3.08	60.83	6.96	3.74	O	22.10
F K	0.35	0.1539	2.26	1.32	3.74	2.26	1.32	F	1.36
Na K	1.13	0.7541	1.50	0.30	2.04	2.02	0.40	Na2O	0.74
Mg K	0.03	0.6975	0.04 <	0.14	0.05	0.07 <	0.23	MgO	0.02
Al K	0.07	0.8246	0.08 <	0.12	0.09	0.15 <	0.23	Al2O3	0.03
Si K	0.17	0.9353	0.18	0.14	0.20	0.39	0.30	SiO2	0.07
P K	11.54	1.2798	9.02	0.42	9.14	20.67	0.96	P2O5	3.32
S K	0.42	0.8426	0.50	0.22	0.49	1.25	0.55	SO3	0.18
Cl K	1.48	0.8805	1.69	0.18	1.49	1.69	0.18	Cl	0.54
K K	1.12	1.0748	1.05	0.16	0.84	1.26	0.19	K2O	0.31
Ca K	24.85	0.9778	25.41	0.54	19.91	35.55	0.76	CaO	7.23
Fe K	0.07	0.8348	0.08 <	0.24	0.05	0.10 <	0.31	FeO	0.02
Ag L	0.01	0.7852	0.02 <	0.30	0.01	0.02 <	0.32	Ag2O	0.00
W M	0.51	0.7654	0.66	0.44	0.11	0.83	0.55	WO3	0.04
Pt M	0.00	0.8168	0.00	0.00	0.00			PtO	0.00
Au M	5.25	0.8325	6.30	1.30	1.00	6.56	1.35	Au2O	0.36
Total			79.78+/- 3.74		CompSum	68.87+/- 2.13		CatSum	12.33
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S367

Spectrum: 9 1-Okt-2013 07:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	92426	70.00/91.54	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	16.01	0.3701	43.23	3.30	77.32	31.16	3.49	O	23.74
F K	0.03	0.1172	0.26 <	1.10	0.39	0.26 <	1.10	F	0.12
Na K	0.29	0.6433	0.44	0.26	0.55	0.59	0.35	Na2O	0.17
Mg K	0.00	0.6265	0.00	0.00	0.00			MgO	0.00
Al K	0.00	0.7541	0.00	0.00	0.00			Al2O3	0.00
Si K	0.01	0.8626	0.02 <	0.12	0.02	0.04 <	0.26	SiO2	0.01
P K	0.00	1.2312	0.00	0.00	0.00			P2O5	0.00
S K	0.01	0.9914	0.01 <	0.14	0.01	0.02 <	0.35	SO3	0.00
Cl K	0.58	1.0018	0.58	0.12	0.47	0.58	0.12	Cl	0.14
K K	0.16	1.2189	0.13	0.12	0.09	0.16	0.14	K2O	0.03
Ca K	30.41	1.0314	29.49	0.56	21.05	41.26	0.78	CaO	6.46
Fe K	0.08	0.8044	0.09 <	0.20	0.05	0.12 <	0.26	FeO	0.02

Ag	L	0.05	0.8870	0.05 <	0.26	0.01	0.05 <	0.28	Ag2O	0.00
W	M	0.15	0.7203	0.21 <	0.36	0.03	0.26 <	0.45	WO3	0.01
Pt	M	0.00	0.7830	0.00	0.00	0.00			PtO	0.00
Au	M	0.00	0.7998	0.00	0.00	0.00			Au2O	0.00
Total				74.50+/- 3.58		CompSum	42.51+/- 1.14		CatSum	6.70
									An.Sum	24.00

Table S368

Inferred phases: CaCO3

Spectrum: 10 1-Okt-2013 07:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	124104	70.00/100.42	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	17.51	0.3663	47.77	3.44	63.92	9.48	4.03	O	22.97
F	K	0.35	0.1403	2.49	1.34	2.81	2.49	1.34	F	1.01
Na	K	0.68	0.7268	0.94	0.28	0.87	1.27	0.38	Na2O	0.31
Mg	K	0.03	0.6901	0.04 <	0.16	0.03	0.07 <	0.27	MgO	0.01
Al	K	0.01	0.8165	0.02 <	0.14	0.01	0.04 <	0.26	Al2O3	0.00
Si	K	0.00	0.9213	0.00	0.00	0.00			SiO2	0.00
P	K	22.28	1.2714	17.52	0.54	12.11	40.14	1.24	P2O5	4.35
S	K	0.00	0.8612	0.00	0.00	0.00			SO3	0.00
Cl	K	0.07	0.8960	0.08 <	0.12	0.05	0.08 <	0.12	Cl	0.02
K	K	0.07	1.1171	0.06 <	0.12	0.03	0.07 <	0.14	K2O	0.01
Ca	K	37.30	1.0005	37.28	0.64	19.91	52.16	0.90	CaO	7.16
Fe	K	0.07	0.8181	0.09 <	0.24	0.03	0.12 <	0.31	FeO	0.01
Ag	L	0.00	0.8149	0.00	0.00	0.00			Ag2O	0.00
W	M	0.90	0.7614	1.18	0.46	0.14	1.49	0.58	WO3	0.05
Pt	M	0.61	0.8097	0.75 <	1.08	0.08	0.81 <	1.17	PtO	0.03
Au	M	0.00	0.8243	0.00	0.00	0.00			Au2O	0.00
Total				108.20+/- 3.99		CompSum	96.17+/- 2.11		CatSum	11.94
									An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S369

Spectrum: 13 1-Okt-2013 07:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	98293	70.00/92.91	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	32.02	0.7848	40.82	2.42	61.60	30.33	2.91	O	18.70
F	K	2.15	0.1701	12.66	2.00	16.09	12.66	2.00	F	4.89
Na	K	8.67	0.7024	12.34	0.64	12.96	16.63	0.86	Na2O	3.93
Mg	K	0.09	0.5371	0.18 <	0.22	0.18	0.30 <	0.36	MgO	0.05
Al	K	0.12	0.6634	0.17	0.16	0.16	0.32	0.30	Al2O3	0.05
Si	K	0.41	0.7776	0.53	0.16	0.46	1.13	0.34	SiO2	0.14
P	K	0.23	1.1286	0.20	0.18	0.16	0.46	0.41	P2O5	0.05
S	K	0.47	0.9166	0.51	0.16	0.39	1.27	0.40	SO3	0.12
Cl	K	1.85	0.9253	2.00	0.18	1.36	2.00	0.18	Cl	0.41
K	K	0.55	1.0904	0.51	0.12	0.31	0.61	0.14	K2O	0.09
Ca	K	10.30	0.9953	10.35	0.36	6.23	14.48	0.50	CaO	1.89

Fe K	0.15	0.8225	0.18	0.18	0.08	0.23	0.23	FeO	0.02
Ag L	0.02	0.8101	0.02 <	0.26	0.00	0.02 <	0.28	Ag2O	0.00
W M	0.01	0.6548	0.01 <	0.46	0.00	0.01 <	0.58	WO3	0.00
Pt M	0.00	0.7252	0.00	0.00	0.00			PtO	0.00
Au M	0.17	0.7443	0.22 <	0.66	0.03	0.23 <	0.69	Au2O	0.01
Total			80.72+/- 3.37		CompSum	35.71+/- 1.62		CatSum	6.36
								An.Sum	24.00

Inferred phases: CaCO3, Na2CO3, CaF2, NaF

Table S370

Spectrum: 14 1-Okt-2013 07:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391208	154650	70.00/110.57	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	4.36	1.1271	3.87	1.08	11.25
F K	0.40	0.6606	0.60 <	1.18	1.48
Na K	0.16	0.3804	0.41 <	0.50	0.83
Mg K	0.00	0.3916	0.00	0.00	0.00
Al K	0.28	0.5132	0.55	0.26	0.95
Si K	0.42	0.6435	0.65	0.22	1.08
P K	1.17	1.0029	1.16	0.32	1.75
S K	0.02	0.8605	0.02 <	0.22	0.03
Cl K	0.17	0.9205	0.19	0.16	0.25
K K	0.13	1.1802	0.11 <	0.16	0.13
Ca K	2.93	1.1442	2.56	0.24	2.98
Fe K	93.22	0.9806	95.07	1.40	79.23
Ag L	0.00	0.8592	0.00	0.00	0.00
W M	0.00	0.5525	0.00	0.00	0.00
Pt M	0.12	0.6559	0.18 <	0.78	0.04
Au M	0.00	0.6835	0.00	0.00	0.00
Total			105.38+/- 2.40		

Inferred phases: native Fe

Table S371

Site: F4-1a

Spectrum: 1 1-Okt-2013 08:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.35	273635	109058	70.00/96.20	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.01	0.3602	27.76	3.00	57.37	4.32	3.57	O	21.16
F K	0.57	0.1528	3.72	1.14	6.47	3.72	1.14	F	2.39
Na K	1.24	0.7395	1.68	0.30	2.42	2.26	0.40	Na2O	0.89
Al K	0.08	0.8115	0.09 <	0.12	0.12	0.17 <	0.23	Al2O3	0.04
Si K	0.16	0.9224	0.18	0.12	0.21	0.39	0.26	SiO2	0.08
P K	11.65	1.2841	9.08	0.42	9.69	20.81	0.96	P2O5	3.57
S K	0.24	0.8602	0.28	0.20	0.28	0.70	0.50	SO3	0.10
Cl K	1.18	0.8964	1.32	0.16	1.23	1.32	0.16	Cl	0.45
K K	0.86	1.0970	0.79	0.14	0.67	0.95	0.17	K2O	0.25
Ca K	25.01	0.9886	25.30	0.54	20.87	35.40	0.76	CaO	7.70
Ag L	0.05	0.8011	0.06 <	0.30	0.02	0.06 <	0.32	Ag2O	0.01

Pt M	0.00	0.8183	0.00	0.00	0.00			PtO	0.00
Au M	3.32	0.8339	3.98	1.20	0.67	4.14	1.25	Au2O	0.25
Total			74.22+/- 3.54	CompSum		64.88+/- 1.93		CatSum	12.89
								An.Sum	24.00

Inferred phases: gold, Ca5(PO4)3(F,OH)

Table S372

Spectrum: 2 1-Okt-2013 08:19 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.35	273635	124354	70.00/101.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	10.46	0.4324	24.20	2.66	58.61	11.26	3.77	O	19.68
F K	1.03	0.1832	5.63	1.16	11.48	5.63	1.16	F	3.85
Na K	0.69	0.7561	0.91	0.30	1.53	1.23	0.40	Na2O	0.51
Al K	0.11	0.8290	0.13 <	0.16	0.19	0.25 <	0.30	Al2O3	0.06
Si K	0.24	0.9588	0.25	0.14	0.35	0.53	0.30	SiO2	0.12
P K	2.73	1.3033	2.10	0.40	2.62	4.81	0.92	P2O5	0.88
S K	0.46	0.8016	0.58	0.28	0.70	1.45	0.70	SO3	0.24
Cl K	1.10	0.8620	1.28	0.20	1.39	1.28	0.20	Cl	0.47
K K	0.67	1.0263	0.66	0.20	0.65	0.80	0.24	K2O	0.22
Ca K	14.07	0.9249	15.21	0.46	14.71	21.28	0.64	CaO	4.94
Ag L	7.74	0.7646	10.12	0.70	3.64	10.87	0.75	Ag2O	1.22
Pt M	16.87	0.8343	20.22	1.20	4.02	21.88	1.30	PtO	1.35
Au M	0.50	0.8044	0.63 <	1.60	0.12	0.66 <	1.66	Au2O	0.04
Total			81.90+/- 3.68	CompSum		63.75+/- 2.68		CatSum	9.58
								An.Sum	24.00

Inferred phases: CaCO3, Ag-Pt alloy

Table S373

Spectrum: 3 1-Okt-2013 08:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.35	273635	100286	70.00/93.97	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	10.50	0.4126	25.43	2.52	64.21	11.27	3.06	O	21.58
F K	0.39	0.1592	2.45	0.96	5.22	2.45	0.96	F	1.75
Na K	0.76	0.7439	1.03	0.26	1.81	1.39	0.35	Na2O	0.61
Al K	0.35	0.8175	0.43	0.14	0.65	0.81	0.26	Al2O3	0.22
Si K	0.48	0.9285	0.52	0.14	0.75	1.11	0.30	SiO2	0.25
P K	4.91	1.2741	3.85	0.36	5.02	8.82	0.82	P2O5	1.69
S K	0.15	0.8472	0.18 <	0.22	0.23	0.45 <	0.55	SO3	0.08
Cl K	1.56	0.8911	1.75	0.18	1.99	1.75	0.18	Cl	0.67
K K	0.50	1.0585	0.47	0.16	0.49	0.57	0.19	K2O	0.16
Ca K	15.62	0.9566	16.33	0.44	16.46	22.85	0.62	CaO	5.53
Ag L	3.00	0.7846	3.83	0.48	1.43	4.11	0.52	Ag2O	0.48
Pt M	6.85	0.8137	8.41	0.96	1.74	9.10	1.04	PtO	0.58
Au M	0.00	0.8046	0.00	0.00	0.00			Au2O	0.00
Total			64.69+/- 2.99	CompSum		49.21+/- 1.74		CatSum	9.60
								An.Sum	24.00

Inferred phases: gold, Ag-Pt alloy, CaCO3, Ca5(PO4)3(F,OH)

Table S374

Spectrum: 4 1-Okt-2013 08:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.35	273635	56086	29.70/43.85	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	22.53	0.3959	56.93	5.32	64.03	15.62	6.23	O	21.70
F K	1.00	0.1409	7.08	2.40	6.71	7.08	2.40	F	2.27
Na K	0.22	0.7026	0.31 <	0.44	0.25	0.42 <	0.59	Na2O	0.08
Al K	0.02	0.8046	0.02 <	0.22	0.01	0.04 <	0.42	Al2O3	0.00
Si K	0.00	0.9112	0.00	0.00	0.00			SiO2	0.00
P K	25.23	1.2790	19.73	0.84	11.46	45.21	1.92	P2O5	3.88
S K	0.17	0.8697	0.19 <	0.32	0.11	0.47 <	0.80	SO3	0.04
Cl K	0.12	0.9006	0.13 <	0.20	0.07	0.13 <	0.20	Cl	0.02
K K	0.00	1.1175	0.00 <	0.20	0.00	0.00 <	0.24	K2O	0.00
Ca K	38.52	0.9998	38.53	0.98	17.30	53.91	1.37	CaO	5.86
Ag L	0.18	0.8170	0.22 <	0.50	0.04	0.24 <	0.54	Ag2O	0.01
Pt M	0.25	0.8139	0.31 <	1.70	0.03	0.34 <	1.84	PtO	0.01
Au M	0.00	0.8287	0.00	0.00	0.00			Au2O	0.00
Total			123.45+/- 6.27		CompSum	100.62+/- 3.24		CatSum	9.90
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S375

Project: Zelensky_VegaII_y3-4

Owner: INCA

Elevation= 35.0 deg. Tilt= 0.0 deg. Azimuth= 0.0 deg.

Sample: Sample 1

Type: Default

Sample is unpolished and uncoated.

Thresholding has been selected :

All quantitative results below 0 sigma have been set to zero.

Site: F4-1

Spectrum: 1 11-Okt-2013 02:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	113525	70.00/97.63	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.53	0.3371	1.58	1.40	2.56
F K	11.43	0.2478	46.14	2.24	63.07
S K	0.07	1.0083	0.07 <	0.12	0.05
Ca K	57.04	1.0770	52.97	0.76	34.32
Sr L	0.00	0.8111	0.00 <	0.32	0.00
Ba L	0.00	0.7139	0.00	0.00	0.00
Total			100.75+/- 2.77		

Inferred phases: CaF2

Table S376

Spectrum: 2 11-Okt-2013 02:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 49.39 391379 76432 70.00/87.31 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	24.33	0.6460	37.65	2.02	78.64	17.56	2.27	O	23.60
F K	0.11	0.1385	0.76 <	1.54	1.34	0.76 <	1.54	F	0.40
S K	10.50	0.9969	10.53	0.36	10.98	26.29	0.90	SO3	3.29
Ca K	10.47	0.9662	10.84	0.38	9.03	15.17	0.53	CaO	2.71
Sr L	0.00	0.8522	0.00	0.00	0.00			SrO	0.00
Ba L	0.00	0.7356	0.00	0.00	0.00			BaO	0.00
Total			59.78+/- 2.59		CompSum	41.46+/- 1.04		CatSum	6.00
								An.Sum	24.00

Inferred phases: CaSO4·2H2O

Table S377

Spectrum: 4 11-Okt-2013 02:56 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 124026 70.00/100.27 6 20.00
Peaks Omited: 2.980, 9.410 keV
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	10.84	0.5519	19.63	2.10	17.66
F K	25.51	0.2962	86.12	2.86	65.25
S K	0.68	0.9723	0.70	0.16	0.32
Ca K	49.10	1.0514	46.70	0.72	16.77
Sr L	0.03	0.7827	0.04 <	0.36	0.01
Ba L	0.00	0.7504	0.00	0.00	0.00
Total			153.19+/- 3.64		

Inferred phases: CaF2

Table S378

Spectrum: 5 11-Okt-2013 02:58 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 113416 70.00/97.84 6 20.00
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.08	0.3492	3.10	1.56	4.75
F K	12.11	0.2497	48.53	2.24	62.63
S K	0.25	1.0048	0.25	0.14	0.19
Ca K	56.90	1.0739	52.99	0.76	32.42
Sr L	0.05	0.8093	0.06 <	0.32	0.02
Ba L	0.00	0.7169	0.00	0.00	0.00
Total			104.91+/- 2.85		

Inferred phases: CaF2

Table S379

Spectrum: 6 11-Okt-2013 03:00 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 113196 70.00/97.67 6 20.00
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	0.57	0.3391	1.69	1.40	2.70
F K	11.67	0.2487	46.92	2.20	63.02
S K	0.09	1.0070	0.09 <	0.14	0.07
Ca K	57.76	1.0769	53.63	0.76	34.15
Sr L	0.04	0.8102	0.05 <	0.32	0.01
Ba L	0.15	0.7148	0.21 <	0.44	0.04
Total			102.60+/- 2.77		

Inferred phases: CaF2

Table S380

Site: F4-2(1)-1
Spectrum: 1 11-Okt-2013 03:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	103683	70.00/94.68	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.15	0.6348	36.46	2.36	37.77	20.36	2.80	O	11.14
F K	11.48	0.2322	49.46	2.76	43.15	49.46	2.76	F	12.72
Na K	4.23	0.6168	6.85	0.58	4.94	9.23	0.78	Na2O	1.46
Al K	0.05	0.6894	0.08 <	0.16	0.05	0.15 <	0.30	Al2O3	0.01
Si K	0.11	0.8057	0.13 <	0.14	0.08	0.28 <	0.30	SiO2	0.02
P K	0.09	1.1731	0.08 <	0.14	0.04	0.18 <	0.32	P2O5	0.01
S K	0.28	0.9556	0.29	0.12	0.15	0.72	0.30	SO3	0.04
Cl K	0.99	0.9692	1.02	0.16	0.48	1.02	0.16	Cl	0.14
K K	0.26	1.1680	0.22	0.12	0.09	0.27	0.14	K2O	0.03
Ca K	32.76	1.0333	31.71	0.60	13.11	44.37	0.84	CaO	3.87
Ti K	0.26	0.7869	0.33	0.18	0.11	0.55	0.30	TiO2	0.03
Mn K	0.02	0.8072	0.03 <	0.20	0.01	0.04 <	0.26	MnO	0.00
Fe K	0.00	0.8280	0.00 <	0.20	0.00	0.00 <	0.26	FeO	0.00
W M	0.06	0.6797	0.09 <	0.46	0.01	0.11 <	0.58	WO3	0.00
Total			126.75+/- 3.79		CompSum	55.91+/- 1.51		CatSum	5.48
								An.Sum	24.00

Inferred phases: unidentified Na-Ca carbonate

Table S381

Spectrum: 3 11-Okt-2013 03:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	72666	70.00/86.76	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: Carbon by difference

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.97	0.6831	43.89	2.38	46.24	-32.88	10.40	O	23.42
F K	0.15	0.1808	0.83 <	1.02	0.74	0.83 <	1.02	F	0.37
Na K	15.96	0.8601	18.55	0.66	13.60	25.00	0.89	Na2O	6.89
Al K	0.12	0.7013	0.16	0.14	0.10	0.30	0.26	Al2O3	0.05
Si K	0.68	0.8046	0.85	0.16	0.51	1.82	0.34	SiO2	0.26
P K	0.22	1.1453	0.19	0.14	0.10	0.44	0.32	P2O5	0.05
S K	0.33	0.9217	0.36	0.12	0.19	0.90	0.30	SO3	0.10
Cl K	0.77	0.9239	0.83	0.14	0.40	0.83	0.14	Cl	0.20
K K	0.28	1.0827	0.26	0.12	0.11	0.31	0.14	K2O	0.06
Ca K	8.69	0.9886	8.79	0.34	3.69	12.30	0.48	CaO	1.87
Ti K	0.05	0.7975	0.07 <	0.14	0.02	0.12 <	0.23	TiO2	0.01
Mn K	0.09	0.7916	0.11 <	0.18	0.04	0.14 <	0.23	MnO	0.02

Fe	K	0.71	0.8066	0.88	0.26	0.27	1.13	0.33	FeO 0.14
W	M	0.00	0.6775	0.00	0.00	0.00			WO3 0.00
C				24.22	2.74	33.99	88.75	10.04	CO2 17.22
Total				100.00+/- 3.87		CompSum	131.21+/-10.12		CatSum 26.65
									An.Sum 24.00

Inferred phases: unidentified Na-Ca carbonate

Table S382

Spectrum: 9 11-Okt-2013 04:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	137703	70.00/105.44	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	4.61	1.4786	3.12	0.80	9.43
F K	0.63	0.7849	0.80 <	1.08	2.03
Na K	0.17	0.3793	0.44 <	0.50	0.92
Al K	0.03	0.5050	0.07 <	0.24	0.12
Si K	0.00	0.6365	0.00	0.00	0.00
P K	0.15	0.9966	0.15 <	0.22	0.23
S K	0.00	0.8646	0.00	0.00	0.00
Cl K	0.00	0.9249	0.00	0.00	0.00
K K	0.13	1.1876	0.11 <	0.16	0.14
Ca K	1.08	1.1548	0.94	0.20	1.13
Ti K	0.05	1.0605	0.05 <	0.18	0.05
Mn K	0.11	0.9664	0.11 <	0.28	0.10
Fe K	97.85	0.9892	98.93	1.46	85.75
W M	0.20	0.5488	0.37 <	0.64	0.10
Total			105.07+/- 2.21		

Inferred phases: native Fe

Table S383

Site: F4-2(1)-2

Spectrum: 1 11-Okt-2013 04:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	135568	70.00/104.57	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	5.77	1.2814	4.50	1.04	13.09
F K	0.00	0.6825	0.00	0.00	0.00
Na K	0.55	0.3932	1.39	0.56	2.81
Al K	0.02	0.5160	0.03 <	0.24	0.06
Si K	0.01	0.6481	0.01 <	0.20	0.01
P K	1.57	1.0133	1.55	0.50	2.33
S K	0.00	0.8648	0.00	0.00	0.00
Cl K	0.35	0.9237	0.38	0.18	0.50
K K	0.14	1.1814	0.12 <	0.16	0.14
Ca K	4.33	1.1426	3.79	0.26	4.40
Cr K	0.04	1.1922	0.03 <	0.20	0.03
Fe K	89.86	0.9768	91.99	1.42	76.60
Ag L	0.00	0.8614	0.00	0.00	0.00
Ir M	0.00	0.6390	0.00	0.00	0.00
Pt M	0.06	0.6640	0.09 <	0.84	0.02

Au M	0.00	0.6916	0.00	0.00	0.00
Total			103.89+/- 2.15		

Inferred phases: native Fe

Table S384

Spectrum: 2 11-Okt-2013 04:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	67411	70.00/85.47	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula	
O K	2.91	0.4081	7.13	1.80	39.87	-1.42	< 3.01	O		17.08
F K	0.50	0.1994	2.52	0.86	11.85	2.52	0.86	F		5.08
Na K	1.43	0.7723	1.85	0.26	7.21	2.49	0.35	Na2O		3.09
Al K	0.08	0.7977	0.09 <	0.10	0.31	0.17 <	0.19	Al2O3		0.13
Si K	0.29	0.9177	0.31	0.12	1.00	0.66	0.26	SiO2		0.43
P K	1.66	1.2734	1.31	0.42	3.77	3.00	0.96	P2O5		1.62
S K	0.41	0.8697	0.47	0.20	1.31	1.17	0.50	SO3		0.56
Cl K	1.54	0.9076	1.70	0.18	4.29	1.70	0.18	Cl		1.84
K K	0.50	1.0739	0.47	0.16	1.07	0.57	0.19	K2O		0.46
Ca K	9.98	0.9519	10.49	0.38	23.41	14.68	0.53	CaO		10.03
Cr K	0.02	0.8283	0.03 <	0.18	0.05	0.04 <	0.26	Cr2O3		0.02
Fe K	0.53	0.8669	0.61	0.24	0.98	0.78	0.31	FeO		0.42
Ag L	2.67	0.7918	3.37	0.48	2.79	3.62	0.52	Ag2O		1.20
Ir M	0.10	0.8010	0.12 <	1.18	0.06	0.13 <	1.33	Ir2O3		0.03
Pt M	3.17	0.8153	3.89	0.78	1.79	4.21	0.84	PtO		0.77
Au M	0.46	0.8089	0.57 <	1.04	0.26	0.59 <	1.08	Au2O		0.11
Total			34.92+/- 2.81	CompSum		32.13+/- 2.41		CatSum		18.86
								An.Sum		24.00

Inferred phases: Ca5(PO4)3F, unidentified Na-Ca carbonate, Ag-Pt alloy

Table S385

Spectrum: 3 11-Okt-2013 04:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	123334	70.00/100.50	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula	
O K	22.43	0.4510	49.73	3.50	59.37	7.65	5.20	O		20.94
F K	1.38	0.1619	8.51	2.02	8.56	8.51	2.02	F		3.02
Na K	0.27	0.7296	0.37	0.32	0.31	0.50	0.43	Na2O		0.11
Al K	0.10	0.8183	0.12 <	0.16	0.09	0.23 <	0.30	Al2O3		0.03
Si K	0.07	0.9238	0.08 <	0.16	0.05	0.17 <	0.34	SiO2		0.02
P K	25.56	1.2893	19.83	0.88	12.23	45.44	2.02	P2O5		4.31
S K	0.00	0.8608	0.00	0.00	0.00			SO3		0.00
Cl K	0.21	0.8950	0.23	0.14	0.12	0.23	0.14	Cl		0.04
K K	0.16	1.1130	0.14	0.14	0.07	0.17	0.17	K2O		0.02
Ca K	39.68	1.0001	39.67	0.68	18.91	55.51	0.95	CaO		6.67
Cr K	0.00	0.7973	0.00	0.00	0.00			Cr2O3		0.00
Fe K	0.26	0.8204	0.31	0.24	0.11	0.40	0.31	FeO		0.04
Ag L	0.00	0.8144	0.00	0.00	0.00			Ag2O		0.00
Ir M	0.69	0.8103	0.86 <	2.46	0.09	0.97 <	2.77	Ir2O3		0.03
Pt M	0.90	0.8213	1.09 <	1.20	0.11	1.18 <	1.30	PtO		0.04
Au M	0.00	0.8284	0.00	0.00	0.00			Au2O		0.00

Total 120.95+/- 5.03 CompSum 104.55+/- 3.85 CatSum 11.28
An.Sum 24.00

Inferred phases: unidentified Na-Ca carbonate

Table S386

Spectrum: 4 11-Okt-2013 04:33 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	124761	70.00/101.09	6	20.00

Peak omited: 17.210 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.95	0.6179	16.11	2.22	52.95	4.89	4.29	O	20.10
F K	0.62	0.2477	2.48	1.20	6.88	2.48	1.20	F	2.61
Na K	2.77	0.8897	3.12	0.40	7.14	4.21	0.54	Na2O	2.71
Al K	0.16	0.8881	0.18	0.16	0.36	0.34	0.30	Al2O3	0.14
Si K	0.37	1.0297	0.36	0.16	0.67	0.77	0.34	SiO2	0.25
P K	2.81	1.3456	2.09	0.68	3.54	4.79	1.56	P2O5	1.34
S K	0.48	0.6682	0.73	0.46	1.19	1.82	1.15	SO3	0.45
Cl K	1.71	0.7512	2.28	0.26	3.38	2.28	0.26	Cl	1.28
K K	0.38	0.9291	0.41	0.18	0.55	0.49	0.22	K2O	0.21
Ca K	8.63	0.9041	9.55	0.40	12.53	13.36	0.56	CaO	4.76
Cr K	0.44	0.8884	0.50	0.26	0.50	0.73	0.38	Cr2O3	0.19
Fe K	0.34	0.9396	0.36	0.30	0.34	0.46	0.39	FeO	0.13
Ag L	0.00	0.6721	0.00	0.00	0.00			Ag2O	0.00
Ir M	0.26	0.8611	0.30 <	1.78	0.08	0.34 <	2.00	Ir2O3	0.03
Pt M	0.00	0.8704	0.00	0.00	0.00			PtO	0.00
Au M	32.65	0.8813	37.05	2.06	9.89	38.55	2.14	Au2O	3.76
Total			75.50+/- 3.88	CompSum		65.87+/- 3.67	CatSum		13.97

Inferred phases: gold, unidentified Na-Ca carbonate

Table S387

Spectrum: 5 11-Okt-2013 04:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	88871	70.00/90.89	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.43	0.4556	47.02	3.44	77.15	34.16	3.79	O	23.63
F K	0.08	0.1290	0.60 <	1.44	0.83	0.60 <	1.44	F	0.25
Na K	0.76	0.6613	1.15	0.34	1.31	1.55	0.46	Na2O	0.40
Al K	0.00	0.7535	0.00	0.00	0.00			Al2O3	0.00
Si K	0.03	0.8612	0.04 <	0.12	0.04	0.09 <	0.26	SiO2	0.01
P K	0.00	1.2327	0.00 <	0.26	0.00	0.00 <	0.60	P2O5	0.00
S K	0.11	0.9911	0.11 <	0.14	0.09	0.27 <	0.35	SO3	0.03
Cl K	0.53	0.9995	0.53	0.14	0.39	0.53	0.14	Cl	0.12
K K	0.22	1.2136	0.18	0.12	0.12	0.22	0.14	K2O	0.04
Ca K	31.43	1.0294	30.53	0.58	20.00	42.72	0.81	CaO	6.12
Cr K	0.00	0.7842	0.00	0.00	0.00			Cr2O3	0.00
Fe K	0.00	0.8048	0.00	0.00	0.00			FeO	0.00
Ag L	0.23	0.8864	0.26 <	0.28	0.06	0.28 <	0.30	Ag2O	0.02
Ir M	0.05	0.7724	0.07 <	0.88	0.01	0.08 <	0.99	Ir2O3	0.00
Pt M	0.00	0.7862	0.00	0.00	0.00			PtO	0.00
Au M	0.00	0.8020	0.00	0.00	0.00			Au2O	0.00
Total			80.49+/- 3.92	CompSum		45.20+/- 1.58	CatSum		6.62
							An.Sum		24.00

Inferred phases: CaCO3

Table S388

Spectrum: 6 11-Okt-2013 04:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	64491	70.00/84.78	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.28	0.4032	21.20	4.40	49.11	0.71	< 2.94	O	20.58
F K	0.14	0.1752	1.54	< 1.68	3.01	0.77	< 0.84	F	1.26
Na K	3.23	0.8125	7.94	0.72	12.81	5.35	0.49	Na2O	5.37
Al K	0.13	0.7613	0.34	0.24	0.46	0.32	0.23	Al2O3	0.19
Si K	0.26	0.8695	0.60	0.24	0.80	0.64	0.26	SiO2	0.34
P K	2.34	1.2316	3.80	0.72	4.55	4.35	0.82	P2O5	1.91
S K	0.44	0.9251	0.94	0.32	1.09	1.17	0.40	SO3	0.46
Cl K	2.31	0.9362	4.94	0.40	5.16	2.47	0.20	Cl	2.16
K K	0.57	1.1008	1.04	0.28	0.99	0.63	0.17	K2O	0.41
Ca K	11.43	0.9887	23.12	0.76	21.38	16.17	0.53	CaO	8.96
Cr K	0.00	0.7999	0.02	< 0.32	0.01	0.01	< 0.23	Cr2O3	0.00
Fe K	0.19	0.8266	0.44	0.40	0.30	0.28	0.26	FeO	0.13
Ag L	0.13	0.8036	0.32	< 0.56	0.11	0.17	< 0.30	Ag2O	0.05
Ir M	0.08	0.7717	0.20	< 2.28	0.04	0.11	< 1.28	Ir2O3	0.02
Pt M	0.41	0.7863	1.04	< 1.24	0.20	0.56	< 0.67	PtO	0.08
Au M	0.00	0.7987	0.00	0.00	0.00			Au2O	0.00
Total			67.52+/- 5.62		CompSum	29.79+/- 1.95		CatSum	17.91
								An.Sum	24.00

Inferred phases: unidentified Na-Ca carbonate

Table S389

Spectrum: 10 11-Okt-2013 05:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	214217	200.00/249.77	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	3.47	0.4152	8.36	1.10	41.42	-1.48	< 1.91	O	17.80
F K	0.50	0.2001	2.48	0.56	10.37	2.48	0.56	F	4.46
Na K	1.40	0.7819	1.78	0.16	6.16	2.40	0.22	Na2O	2.65
Al K	0.11	0.8126	0.14	0.06	0.41	0.26	0.11	Al2O3	0.18
Si K	0.26	0.9340	0.28	0.06	0.78	0.60	0.13	SiO2	0.34
P K	2.02	1.2890	1.56	0.28	4.00	3.57	0.64	P2O5	1.72
S K	0.51	0.8483	0.61	0.14	1.50	1.52	0.35	SO3	0.64
Cl K	1.62	0.8921	1.82	0.12	4.07	1.82	0.12	Cl	1.75
K K	0.48	1.0596	0.46	0.10	0.93	0.55	0.12	K2O	0.40
Ca K	11.10	0.9417	11.79	0.24	23.32	16.50	0.34	CaO	10.02
Cr K	0.09	0.8340	0.11	0.10	0.16	0.16	0.15	Cr2O3	0.07
Fe K	0.44	0.8758	0.50	0.14	0.71	0.64	0.18	FeO	0.31
Ag L	3.56	0.7817	4.55	0.32	3.35	4.89	0.34	Ag2O	1.44
Ir M	0.14	0.8119	0.17	< 0.76	0.07	0.19	< 0.85	Ir2O3	0.03
Pt M	4.49	0.8255	5.43	0.52	2.21	5.88	0.56	PtO	0.95
Au M	1.11	0.8144	1.36	0.68	0.55	1.42	0.71	Au2O	0.24
Total			41.41+/- 1.78		CompSum	38.58+/- 1.57		CatSum	18.97
								An.Sum	24.00

Inferred phases: Ag-Pt alloy, Au, unidentified Na-Ca carbonate, $Ca_5(PO_4)_3(F,OH)$

Table S390

Site: F4-3(1)
Spectrum: 1 11-Okt-2013 05:30 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 125363 70.00/101.20 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.10	0.3069	19.87	2.86	39.44	-14.70	3.29	O	17.58
Na K	0.09	0.8247	0.10 <	0.22	0.14	0.13 <	0.30	Na2O	0.06
Mg K	0.10	0.7715	0.13 <	0.14	0.17	0.22 <	0.23	MgO	0.08
Si K	0.13	0.9921	0.13 <	0.14	0.14	0.28 <	0.30	SiO2	0.06
P K	19.70	1.3642	14.44	0.44	14.80	33.09	1.01	P2O5	6.60
S K	0.09	0.9269	0.10 <	0.14	0.10	0.25 <	0.35	SO3	0.04
Cl K	15.21	0.9451	16.09	0.44	14.41	16.09	0.44	Cl	6.42
Ca K	37.46	0.9718	38.54	0.68	30.54	53.92	0.95	CaO	13.61
Sr L	0.57	0.9366	0.61	0.40	0.22	0.72	0.47	SrO	0.10
Ag L	0.07	0.7622	0.09 <	0.38	0.03	0.10 <	0.41	Ag2O	0.01
Total			90.10+/- 3.07	CompSum		88.71+/- 1.63		CatSum	20.56
								An.Sum	24.00

Inferred phases: Ca_2PO_4Cl

Table S391

Spectrum: 2 11-Okt-2013 05:32 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 139629 70.00/105.40 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.41	0.4089	52.34	3.42	61.26	14.13	3.83	O	20.80
Na K	0.47	0.7792	0.60	0.34	0.49	0.81	0.46	Na2O	0.17
Mg K	0.08	0.7314	0.10 <	0.20	0.08	0.17 <	0.33	MgO	0.03
Si K	0.15	0.9531	0.16	0.16	0.11	0.34	0.34	SiO2	0.04
P K	22.44	1.3173	17.03	0.48	10.30	39.02	1.10	P2O5	3.50
S K	0.07	0.9178	0.08 <	0.16	0.05	0.20 <	0.40	SO3	0.02
Cl K	16.63	0.9327	17.83	0.46	9.42	17.83	0.46	Cl	3.20
Ca K	37.63	0.9691	38.83	0.68	18.14	54.33	0.95	CaO	6.16
Sr L	0.71	0.9010	0.79	0.44	0.17	0.93	0.52	SrO	0.06
Ag L	0.00	0.7656	0.00	0.00	0.00			Ag2O	0.00
Total			127.76+/- 3.61	CompSum		95.80+/- 1.73		CatSum	9.96
								An.Sum	24.00

Inferred phases: Ca_2PO_4Cl

Table S392

Spectrum: 4 11-Okt-2013 05:37 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.39 391379 123281 70.00/100.44 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O K	4.12	0.3304	12.49	2.78	36.02	-15.06	3.41	O	19.66
Na K	1.55	0.7365	2.10	0.38	4.22	2.83	0.51	Na2O	2.30
Mg K	0.21	0.6632	0.31	0.20	0.60	0.51	0.33	MgO	0.33
Si K	0.22	0.9011	0.24	0.16	0.39	0.51	0.34	SiO2	0.21
P K	6.65	1.2958	5.13	0.30	7.64	11.75	0.69	P2O5	4.17
S K	7.29	0.9963	7.31	0.32	10.52	18.25	0.80	SO3	5.74
Cl K	5.85	0.9573	6.11	0.32	7.95	6.11	0.32	Cl	4.34
Ca K	13.45	0.8708	15.44	0.50	17.78	21.60	0.70	CaO	9.70
Sr L	0.27	0.8610	0.31 <	0.42	0.16	0.37 <	0.50	SrO	0.09
Ag L	28.37	0.8246	34.40	1.16	14.72	36.95	1.25	Ag2O	8.03
Total			83.85+/- 3.16	CompSum		92.79+/- 1.97		CatSum	30.58
								An.Sum	24.00

Inferred phases: Ag2S, Ca2PO4Cl

Table S393

Spectrum: 5 11-Okt-2013 05:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	110601	70.00/96.80	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.56	0.3029	8.45	2.40	27.47
Na K	1.08	0.7693	1.40	0.28	3.17
Mg K	0.08	0.6973	0.11 <	0.14	0.23
Si K	0.08	0.9338	0.08 <	0.14	0.15
P K	9.63	1.3286	7.25	0.32	12.17
S K	3.55	0.9772	3.63	0.24	5.90
Cl K	8.39	0.9635	8.70	0.34	12.77
Ca K	19.58	0.9017	21.72	0.54	28.19
Sr L	0.22	0.8890	0.25 <	0.36	0.15
Ag L	16.38	0.8056	20.33	0.94	9.80
Total			71.92+/- 2.73		

Inferred phases: Ag2S, Ca2PO4Cl

Table S394

Site: F4-4

Spectrum: 1 11-Okt-2013 05:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	112972	70.00/97.41	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.03	0.3556	28.19	3.02	48.83	-11.17	3.59	O	20.74
F K	0.85	0.1633	5.20	1.12	7.59	5.20	1.12	F	3.22
Al K	0.02	0.8374	0.03 <	0.60	0.03	0.06 <	1.13	Al2O3	0.01
Si K	0.28	0.9423	0.29	0.14	0.29	0.62	0.30	SiO2	0.12
P K	22.68	1.3119	17.29	0.46	15.47	39.62	1.05	P2O5	6.57
S K	0.59	0.8692	0.67	0.18	0.58	1.67	0.45	SO3	0.25
Cl K	0.09	0.9018	0.10 <	0.14	0.08	0.10 <	0.14	Cl	0.03
Ca K	39.52	1.0102	39.13	0.68	27.05	54.75	0.95	CaO	11.49
Ni K	0.16	0.8457	0.19 <	0.30	0.09	0.24 <	0.38	NiO	0.04
Br L	0.00	0.7394	0.00	0.00	0.00			Br	0.00
Ag L	0.00	0.8267	0.00	0.00	0.00			Ag2O	0.00
Total			91.09+/- 3.40	CompSum		96.96+/- 1.93		CatSum	18.48

									An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S395

Spectrum: 2 11-Okt-2013 05:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	102752	70.00/94.42	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	16.24	0.4555	35.65	2.96	62.15	5.00	3.94	O	22.12
F K	0.38	0.1640	2.33	0.90	3.42	2.33	0.90	F	1.22
Al K	1.07	0.8402	1.27	1.08	1.31	2.40	2.04	Al2O3	0.47
Si K	2.09	0.8545	2.45	0.24	2.43	5.24	0.51	SiO2	0.87
P K	11.67	1.1751	9.93	0.40	8.94	22.75	0.92	P2O5	3.18
S K	2.57	0.8629	2.97	0.24	2.59	7.42	0.60	SO3	0.92
Cl K	0.32	0.8755	0.36	0.16	0.28	0.36	0.16	Cl	0.10
Ca K	21.75	0.9670	22.49	0.54	15.65	31.47	0.76	CaO	5.57
Ni K	0.07	0.8604	0.09 <	0.30	0.04	0.11 <	0.38	NiO	0.01
Br L	3.35	0.7419	4.51	2.14	1.57	4.51	2.14	Br	0.56
Ag L	4.97	0.7993	6.22	0.60	1.61	6.68	0.64	Ag2O	0.57
Total			88.27+/- 4.04		CompSum	76.07+/- 2.60		CatSum	11.59
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH), Ag(Cl,Br)

Table S396

Spectrum: 3 11-Okt-2013 05:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	109643	70.00/96.72	6	20.00

Peak omited: 10.860 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.63	0.4055	31.15	2.92	57.17	-4.65	3.86	O	22.85
F K	0.24	0.1642	1.49	0.86	2.29	1.49	0.86	F	0.92
Al K	1.14	0.8313	1.37	0.96	1.49	2.59	1.81	Al2O3	0.60
Si K	3.36	0.8971	3.75	0.26	3.92	8.02	0.56	SiO2	1.57
P K	12.49	1.2145	10.28	0.40	9.75	23.56	0.92	P2O5	3.90
S K	3.96	0.8865	4.47	0.28	4.09	11.16	0.70	SO3	1.63
Cl K	0.11	0.8864	0.13 <	0.16	0.11	0.13 <	0.16	Cl	0.04
Ca K	22.17	0.9448	23.47	0.56	17.19	32.84	0.78	CaO	6.87
Ni K	0.13	0.8681	0.15 <	0.30	0.07	0.19 <	0.38	NiO	0.03
Br L	0.94	0.7341	1.28 <	1.90	0.47	1.28 <	1.90	Br	0.19
Ag L	10.22	0.8081	12.64	0.76	3.44	13.58	0.82	Ag2O	1.38
Total			90.18+/- 3.89		CompSum	91.93+/- 2.52		CatSum	15.97
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH), Ag(Cl,Br)

Table S397

Spectrum: 4 11-Okt-2013 06:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	102534	70.00/94.39	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	39.06	0.6321	61.82	2.86	73.06	24.30	3.43	O	22.95
F K	0.50	0.1494	3.35	1.12	3.33	3.35	1.12	F	1.05
Al K	0.02	0.8199	0.02 <	0.60	0.01	0.04 <	1.13	Al2O3	0.00
Si K	0.22	0.9205	0.24	0.14	0.16	0.51	0.30	SiO2	0.05
P K	26.09	1.2779	20.41	0.50	12.46	46.77	1.15	P2O5	3.91
S K	1.36	0.8411	1.61	0.20	0.95	4.02	0.50	SO3	0.30
Cl K	0.00	0.8617	0.00	0.00	0.00			Cl	0.00
Ca K	20.68	0.9772	21.16	0.52	9.98	29.61	0.73	CaO	3.14
Ni K	0.00	0.8321	0.00	0.00	0.00			NiO	0.00
Br L	0.01	0.7238	0.02 <	1.22	0.00	0.02 <	1.22	Br	0.00
Ag L	0.12	0.7855	0.15 <	0.30	0.03	0.16 <	0.32	Ag2O	0.01
Total			108.79+/-	3.46	CompSum	81.11+/-	1.89	CatSum	7.41
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH), CaSO4·2H2O

Table S398

Spectrum: 5 11-Okt-2013 06:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	91174	70.00/91.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	39.74	0.6328	62.80	2.66	79.23	29.41	3.19	O	23.94
F K	0.02	0.1372	0.17 <	1.06	0.18	0.17 <	1.06	F	0.05
Al K	0.18	0.8007	0.22 <	0.58	0.17	0.42 <	1.10	Al2O3	0.05
Si K	0.05	0.8989	0.05 <	0.12	0.04	0.11 <	0.26	SiO2	0.01
P K	1.33	1.2730	1.05	0.18	0.68	2.41	0.41	P2O5	0.21
S K	15.99	0.9862	16.21	0.44	10.21	40.48	1.10	SO3	3.08
Cl K	0.02	0.8533	0.03 <	0.12	0.02	0.03 <	0.12	Cl	0.01
Ca K	18.23	0.9679	18.83	0.48	9.48	26.35	0.67	CaO	2.86
Ni K	0.00	0.8243	0.00	0.00	0.00			NiO	0.00
Br L	0.00	0.7071	0.00	0.00	0.00			Br	0.00
Ag L	0.00	0.7772	0.00	0.00	0.00			Ag2O	0.00
Total			99.37+/-	3.00	CompSum	69.75+/-	1.76	CatSum	6.22
								An.Sum	24.00

Inferred phases: CaSO4·2H2O

Table S399

Spectrum: 6 11-Okt-2013 06:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	90993	70.00/91.64	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	29.80	0.5516	54.03	2.64	75.13	18.70	3.16	O	23.85
F K	0.06	0.1409	0.39 <	0.94	0.46	0.39 <	0.94	F	0.15
Al K	0.22	0.8106	0.27 <	0.54	0.22	0.51 <	1.02	Al2O3	0.07
Si K	0.06	0.9080	0.06 <	0.12	0.05	0.13 <	0.26	SiO2	0.02
P K	0.92	1.2859	0.71	0.16	0.51	1.63	0.37	P2O5	0.16
S K	17.12	0.9975	17.16	0.44	11.91	42.85	1.10	SO3	3.78
Cl K	0.02	0.8488	0.03 <	0.12	0.02	0.03 <	0.12	Cl	0.01
Ca K	20.40	0.9684	21.07	0.50	11.70	29.48	0.70	CaO	3.71

Ni K	0.01	0.8272	0.01 <	0.26	0.00	0.01 <	0.33	NiO	0.00
Br L	0.00	0.7158	0.00	0.00	0.00			Br	0.00
Ag L	0.00	0.7763	0.00	0.00	0.00			Ag2O	0.00
Total			93.74+/- 2.95		CompSum	74.61+/- 1.75		CatSum	7.74
								An.Sum	24.00

Inferred phases: CaSO4·2H2O

Table S400

Site: F4-5

Spectrum: 1 11-Okt-2013 06:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	106902	70.00/95.14	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	87.75	1.3144	66.73	1.76	71.64	38.40	2.19	O	22.89
Na K	8.23	0.8868	9.28	0.52	6.93	12.51	0.70	Na2O	2.21
Al K	23.00	0.8154	28.22	0.58	17.96	53.32	1.10	Al2O3	5.74
Cl K	6.14	0.8572	7.17	0.32	3.47	7.17	0.32	Cl	1.11
Total			111.39+/- 1.95		CompSum	65.83+/- 1.30		CatSum	7.95
								An.Sum	24.00

Inferred phases: unidentified Al hydroxide, NaCl

Table S401

Spectrum: 2 11-Okt-2013 06:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	117195	70.00/98.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	95.81	1.2304	77.85	1.96	73.46	45.59	2.35	O	22.58
Na K	3.23	0.8632	3.75	0.40	2.46	5.05	0.54	Na2O	0.76
Al K	30.04	0.8631	34.80	0.62	19.47	65.75	1.17	Al2O3	5.99
Cl K	9.32	0.8617	10.82	0.38	4.61	10.82	0.38	Cl	1.42
Total			127.22+/- 2.13		CompSum	70.81+/- 1.29		CatSum	6.74
								An.Sum	24.00

Inferred phases: unidentified Al hydroxide, NaCl

Table S402

Spectrum: 3 11-Okt-2013 06:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	106257	70.00/95.38	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	71.49	1.1681	61.18	1.78	70.57	32.29	2.15	O	22.39
Na K	3.57	0.8935	4.00	0.38	3.21	5.39	0.51	Na2O	1.02
Al K	26.92	0.8712	30.91	0.58	21.14	58.40	1.10	Al2O3	6.71
Cl K	8.37	0.8574	9.76	0.36	5.08	9.76	0.36	Cl	1.61
Total			105.84+/- 1.94		CompSum	63.80+/- 1.21		CatSum	7.73
								An.Sum	24.00

Inferred phases: unidentified Al hydroxide, NaCl

Table S403

Spectrum: 5 11-Okt-2013 06:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	108081	70.00/95.66	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	77.65	1.2152	63.87	1.78	69.65	33.05	2.20	O	22.61
Na K	6.58	0.9068	7.25	0.46	5.51	9.77	0.62	Na2O	1.79
Al K	26.92	0.8465	31.81	0.60	20.56	60.10	1.13	Al2O3	6.67
Cl K	7.43	0.8537	8.70	0.34	4.28	8.70	0.34	Cl	1.39
Total			111.63+/- 1.96	CompSum		69.88+/- 1.29		CatSum	8.46
								An.Sum	24.00

Inferred phases: unidentified Al hydroxide, NaCl

Table S404

Site: F4-7

Spectrum: 1 - 4 @0.7 11-Okt-2013 07:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	29377	70.00/85.70	6	20.00

Peak omited: 3.120 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	1.10	0.6549	1.68	0.62	42.53	-3.79	1.10	O	23.57
Na K	0.00	1.0987	0.00	0.00	0.00			Na2O	0.00
S K	2.42	0.7501	3.24	0.24	41.03	8.09	0.60	SO3	22.74
Cl K	0.04	0.6385	0.07 <	0.12	0.77	0.07 <	0.12	Cl	0.43
Fe K	0.08	0.9718	0.09 <	0.12	0.62	0.12 <	0.15	FeO	0.34
Ni K	0.07	1.0213	0.07 <	0.16	0.45	0.09 <	0.20	NiO	0.25
Re M	6.22	0.9293	6.69	0.58	14.59	7.26	0.63	ReO	8.09
Total			11.83+/- 0.91	CompSum		15.56+/- 0.91		CatSum	31.42
								An.Sum	24.00

Inferred phases: ReS2

Table S405

Spectrum: 2 - 4 @0.71 11-Okt-2013 07:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	33928	70.00/87.63	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	1.35	0.6587	2.06	0.66	41.75	-4.74	1.20	O	23.33
Na K	0.00	1.1056	0.00	0.00	0.00			Na2O	0.00
S K	2.96	0.7400	4.00	0.26	40.53	9.99	0.65	SO3	22.65
Cl K	0.08	0.6400	0.13	0.12	1.19	0.13	0.12	Cl	0.67
Fe K	0.02	0.9803	0.02 <	0.14	0.09	0.03 <	0.18	FeO	0.05
Ni K	0.10	1.0322	0.10 <	0.16	0.56	0.13 <	0.20	NiO	0.31
Re M	8.50	0.9334	9.10	0.66	15.88	9.88	0.72	ReO	8.88
Total			15.41+/- 1.00	CompSum		20.02+/- 1.00		CatSum	31.89
								An.Sum	24.00

Inferred phases: ReS2

Table S406

Site: F4-8
Spectrum: 1 11-Okt-2013 08:12 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	202815	70.00/126.84	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.35	0.7126	6.11	1.16	37.45	-20.39	2.49	O	23.38
Na K	2.49	1.1970	2.08	0.36	8.88	2.80	0.49	Na2O	5.54
Cl K	0.22	0.6219	0.36	0.28	1.00	0.36	0.28	Cl	0.62
K K	0.00	0.9027	0.00	0.00	0.00			K2O	0.00
W M	95.52	0.9674	98.74	1.70	52.68	124.52	2.14	WO3	32.88
Total			107.28+/- 2.11		CompSum	127.32+/- 2.20		CatSum	38.42
								An.Sum	24.00

Inferred phases: WO3

Table S407

Spectrum: 2 11-Okt-2013 08:15 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.39	391379	180438	70.00/119.20	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.82	0.7572	10.33	1.26	48.62	-12.87	2.46	O	23.72
Na K	6.22	1.1867	5.24	0.42	17.17	7.06	0.57	Na2O	8.38
Cl K	0.17	0.6371	0.27	0.26	0.58	0.27	0.26	Cl	0.28
K K	0.06	0.9103	0.07 <	0.22	0.13	0.08 <	0.27	K2O	0.06
W M	75.89	0.9273	81.83	1.60	33.51	103.19	2.02	WO3	16.35
Total			97.75+/- 2.11		CompSum	110.34+/- 2.11		CatSum	24.79
								An.Sum	24.00

Inferred phases: WO3

Table S408

Site: F4-x
Spectrum: 1 21-Okt-2013 06:42 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.52	274749	70344	70.00/86.23	6	20.00

Peak omited: 5.430 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.36	0.3685	11.82	1.86	55.46	3.79	2.32	O	20.04
F K	0.30	0.1629	1.87	0.94	7.38	1.87	0.94	F	2.67
Na K	0.94	0.7292	1.28	0.24	4.19	1.73	0.32	Na2O	1.51
Al K	0.15	0.7898	0.19	0.12	0.52	0.36	0.23	Al2O3	0.19
Si K	0.29	0.9034	0.32	0.12	0.84	0.68	0.26	SiO2	0.30
P K	1.46	1.2586	1.16	0.22	2.82	2.66	0.50	P2O5	1.02
S K	0.38	0.8918	0.42	0.14	0.99	1.05	0.35	SO3	0.36
Cl K	1.55	0.9209	1.69	0.18	3.57	1.69	0.18	Cl	1.29
K K	0.41	1.0830	0.38	0.14	0.73	0.46	0.17	K2O	0.26
Ca K	10.17	0.9654	10.54	0.38	19.74	14.75	0.53	CaO	7.13
Ti K	0.02	0.7650	0.03 <	0.16	0.05	0.05 <	0.27	TiO2	0.02

Mn K	0.02	0.8203	0.02 <	0.18	0.03	0.03 <	0.23	MnO	0.01
Fe K	0.44	0.8497	0.52	0.24	0.70	0.67	0.31	FeO	0.25
Ag L	1.91	0.7994	2.39	0.42	1.67	2.57	0.45	Ag2O	0.60
Pt M	2.76	0.8033	3.44	0.70	1.32	3.72	0.76	PtO	0.48
Total			36.06+/- 2.34	CompSum		28.72+/- 1.38		CatSum	12.14
								An.Sum	24.00

Inferred phases: Ag-Pt alloy, Ca5(PO4)3(F,OH), unidentified Na-Ca carbonate

Table S409

Spectrum: 2 21-Okt-2013 06:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.52	274749	124078	70.00/100.56	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.87	0.4275	53.51	3.62	62.90	16.19	4.22	O	20.93
F K	1.38	0.1494	9.21	2.08	9.12	9.21	2.08	F	3.03
Na K	0.42	0.7070	0.60	0.34	0.49	0.81	0.46	Na2O	0.16
Al K	0.08	0.8051	0.10 <	0.16	0.07	0.19 <	0.30	Al2O3	0.02
Si K	0.13	0.9141	0.14	0.14	0.10	0.30	0.30	SiO2	0.03
P K	22.40	1.2751	17.57	0.50	10.67	40.26	1.15	P2O5	3.55
S K	0.10	0.8535	0.12 <	0.16	0.07	0.30 <	0.40	SO3	0.02
Cl K	0.18	0.8891	0.21	0.14	0.11	0.21	0.14	Cl	0.04
K K	0.21	1.0949	0.19	0.14	0.09	0.23	0.17	K2O	0.03
Ca K	33.44	0.9927	33.69	0.62	15.80	47.14	0.87	CaO	5.26
Ti K	0.06	0.7660	0.08 <	0.18	0.03	0.13 <	0.30	TiO2	0.01
Mn K	0.10	0.8001	0.13 <	0.22	0.04	0.17 <	0.28	MnO	0.01
Fe K	0.27	0.8238	0.32	0.24	0.11	0.41	0.31	FeO	0.04
Ag L	0.17	0.8045	0.21 <	0.34	0.04	0.23 <	0.37	Ag2O	0.01
Pt M	3.08	0.8126	3.79	1.20	0.37	4.10	1.30	PtO	0.12
Total			119.87+/- 4.47	CompSum		94.26+/- 2.17		CatSum	9.28
								An.Sum	24.00

Inferred phases: platinum, Ca5(PO4)3(F,OH)

Table S410

Spectrum: 3 21-Okt-2013 06:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.52	274749	132377	70.00/102.99	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.33	0.5399	39.51	2.82	68.11	25.94	3.68	O	22.82
F K	0.37	0.1854	2.02	1.20	2.93	2.02	1.20	F	0.98
Na K	7.66	0.7994	9.58	0.56	11.50	12.91	0.75	Na2O	3.85
Al K	0.37	0.7858	0.47	0.20	0.48	0.89	0.38	Al2O3	0.16
Si K	0.35	0.9138	0.38	0.18	0.37	0.81	0.39	SiO2	0.12
P K	1.10	1.2544	0.88	0.40	0.78	2.02	0.92	P2O5	0.26
S K	0.33	0.7851	0.42	0.22	0.36	1.05	0.55	SO3	0.12
Cl K	0.65	0.8479	0.76	0.20	0.59	0.76	0.20	Cl	0.20
K K	0.26	1.0105	0.26	0.22	0.18	0.31	0.27	K2O	0.06
Ca K	9.51	0.9183	10.35	0.42	7.13	14.48	0.59	CaO	2.39
Ti K	0.09	0.8021	0.11 <	0.22	0.06	0.18 <	0.37	TiO2	0.02
Mn K	0.00	0.8636	0.00	0.00	0.00			MnO	0.00

Fe K	0.28	0.8961	0.31	0.30	0.15	0.40	0.39	FeO	0.05
Ag L	10.15	0.7557	13.43	0.82	3.43	14.43	0.88	Ag2O	1.15
Pt M	22.35	0.8056	27.74	1.34	3.92	30.01	1.45	PtO	1.31
Total			106.22+/- 3.59		CompSum	77.50+/- 2.36		CatSum	9.50
								An.Sum	24.00

Inferred phases: Ag-Pt alloy, unidentified Na-Ca carbonate

Table S411

Spectrum: 4 21-Okt-2013 06:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.52	274749	109719	70.00/96.49	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	29.82	0.6928	43.05	2.66	61.58	16.72	3.38	O	21.34
F K	0.78	0.1270	6.17	2.56	7.43	6.17	2.56	F	2.57
Na K	2.50	0.5916	4.22	0.52	4.20	5.69	0.70	Na2O	1.46
Al K	0.06	0.6885	0.08 <	0.18	0.07	0.15 <	0.34	Al2O3	0.02
Si K	0.11	0.8102	0.13 <	0.16	0.11	0.28 <	0.34	SiO2	0.04
P K	9.25	1.1796	7.84	0.36	5.79	17.96	0.82	P2O5	2.01
S K	0.14	0.8891	0.16	0.14	0.11	0.40	0.35	SO3	0.04
Cl K	0.36	0.9210	0.39	0.14	0.25	0.39	0.14	Cl	0.09
K K	0.16	1.1292	0.14	0.12	0.08	0.17	0.14	K2O	0.03
Ca K	17.26	1.0442	16.53	0.44	9.44	23.13	0.62	CaO	3.27
Ti K	0.02	0.8488	0.02 <	0.16	0.01	0.03 <	0.27	TiO2	0.00
Mn K	21.46	0.8415	25.50	0.76	10.62	32.93	0.98	MnO	3.68
Fe K	0.34	0.8622	0.40	0.36	0.16	0.51	0.46	FeO	0.06
Ag L	0.07	0.8325	0.08 <	0.32	0.02	0.09 <	0.34	Ag2O	0.01
Pt M	0.81	0.7582	1.07	0.96	0.13	1.16	1.04	PtO	0.05
Total			105.78+/- 4.01		CompSum	82.50+/- 2.09		CatSum	10.65
								An.Sum	24.00

Inferred phases: MnO, Ca5(PO4)3(F,OH)

Table S412

Spectrum: 6 21-Okt-2013 06:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.52	274749	88940	70.00/90.58	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	35.54	0.7780	45.70	2.46	67.24	32.44	2.87	O	22.76
F K	0.43	0.1573	2.73	1.52	3.39	2.73	1.52	F	1.15
Na K	16.46	0.7900	20.83	0.74	21.33	28.08	1.00	Na2O	7.22
Al K	0.05	0.6323	0.08 <	0.16	0.07	0.15 <	0.30	Al2O3	0.02
Si K	0.07	0.7492	0.09 <	0.14	0.08	0.19 <	0.30	SiO2	0.03
P K	0.69	1.1028	0.62	0.16	0.47	1.42	0.37	P2O5	0.16
S K	0.19	0.8973	0.21	0.12	0.15	0.52	0.30	SO3	0.05
Cl K	0.37	0.9146	0.41	0.12	0.27	0.41	0.12	Cl	0.09
K K	0.17	1.0978	0.15	0.10	0.09	0.18	0.12	K2O	0.03
Ca K	11.61	0.9989	11.63	0.38	6.83	16.27	0.53	CaO	2.31

Ti	K	0.00	0.7957	0.00	0.00	0.00			TiO2	0.00
Mn	K	0.07	0.8024	0.09 <	0.16	0.04	0.12 <	0.21	MnO	0.01
Fe	K	0.01	0.8200	0.02 <	0.18	0.01	0.03 <	0.23	FeO	0.00
Ag	L	0.11	0.8153	0.14 <	0.26	0.03	0.15 <	0.28	Ag2O	0.01
Pt	M	0.06	0.7101	0.08 <	0.52	0.01	0.09 <	0.56	PtO	0.00
Total				82.78+/- 3.09	CompSum	47.20+/- 1.48			CatSum	9.85
									An.Sum	24.00

Inferred phases: unidentified Na-Ca carbonate

Table S413

Site: F4-3new
Spectrum: Spectrum 1 25-Okt-2013 03:13 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	124817	70.00/101.11	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	2.06	0.3846	5.37	1.72	5.66
F	K	23.05	0.2864	80.48	2.32	71.47
Na	K	0.56	0.5632	1.00	0.40	0.73
Al	K	0.07	0.6952	0.10 <	0.18	0.06
Si	K	0.04	0.8165	0.05 <	0.16	0.03
Cl	K	0.07	1.0010	0.07 <	0.12	0.04
Ca	K	55.55	1.0621	52.31	0.74	22.02
Zr	L	0.00	0.7673	0.00	0.00	0.00
Total				139.37+/- 3.02		

Inferred phases: CaF2

Table S414

Site: F4-6
Spectrum: 1 25-Okt-2013 03:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	128619	70.00/102.20	6	20.00

Peaks Omited: 10.320, 14.630 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	12.63	0.3854	32.76	3.10	60.46	12.93	3.68	O	23.76
Na	K	9.35	0.7029	13.30	0.68	17.08	17.93	0.92	Na2O	6.71
Al	K	0.71	0.6881	1.03	0.22	1.13	1.95	0.42	Al2O3	0.44
Si	K	0.10	0.8030	0.13 <	0.16	0.13	0.28 <	0.34	SiO2	0.05
S	K	6.76	0.9867	6.86	0.32	6.31	17.13	0.80	SO3	2.48
Cl	K	0.72	0.9698	0.74	0.20	0.62	0.74	0.20	Cl	0.24
K	K	0.00	1.1537	0.00	0.00	0.00			K2O	0.00
Ca	K	0.03	0.8601	0.03 <	0.20	0.02	0.04 <	0.28	CaO	0.01
Mn	K	0.00	0.8536	0.00	0.00	0.00			MnO	0.00
Fe	K	0.00	0.8886	0.00	0.00	0.00			FeO	0.00
Ag	L	44.60	0.8567	52.05	1.34	14.25	55.91	1.44	Ag2O	5.60
Total				106.90+/- 3.48	CompSum		93.23+/- 1.98		CatSum	15.29
									An.Sum	24.00

Inferred phases: Ag2S

Table S415

Spectrum: 2 25-Okt-2013 03:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	147053	70.00/107.81	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.04	0.3393	26.66	3.18	55.42	2.59	< 3.85	O	23.51
Na K	5.55	0.6805	8.15	0.62	11.79	10.99	0.84	Na2O	5.00
Al K	0.63	0.7099	0.89	0.24	1.10	1.68	0.45	Al2O3	0.47
Si K	0.11	0.8274	0.13 <	0.18	0.15	0.28 <	0.39	SiO2	0.06
S K	10.52	1.0137	10.38	0.38	10.76	25.92	0.95	SO3	4.56
Cl K	1.20	0.9743	1.23	0.24	1.16	1.23	0.24	Cl	0.49
K K	0.00	1.1650	0.00	0.00	0.00			K2O	0.00
Ca K	0.01	0.8420	0.01 <	0.22	0.01	0.01 <	0.31	CaO	0.00
Mn K	0.00	0.8622	0.00	0.00	0.00			MnO	0.00
Fe K	0.24	0.9014	0.26 <	0.30	0.16	0.33 <	0.39	FeO	0.07
Ag L	54.38	0.8617	63.10	1.48	19.46	67.78	1.59	Ag2O	8.25
Total			110.81+/- 3.62		CompSum	106.99+/- 2.17		CatSum	18.42
								An.Sum	24.00

Inferred phases: Ag2S

Table S416

Spectrum: 3 25-Okt-2013 03:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	138276	70.00/104.83	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.87	0.3605	27.39	3.12	55.35	6.11	3.73	O	23.07
Na K	8.26	0.7024	11.76	0.68	16.54	15.85	0.92	Na2O	6.89
Al K	0.63	0.6975	0.91	0.22	1.09	1.72	0.42	Al2O3	0.45
Si K	0.14	0.8141	0.17	0.16	0.19	0.36	0.34	SiO2	0.08
S K	8.06	0.9992	8.07	0.34	8.14	20.15	0.85	SO3	3.39
Cl K	2.38	0.9719	2.45	0.26	2.23	2.45	0.26	Cl	0.93
K K	0.00	1.1515	0.00	0.00	0.00			K2O	0.00
Ca K	0.00	0.8511	0.00	0.00	0.00			CaO	0.00
Mn K	0.00	0.8580	0.00	0.00	0.00			MnO	0.00
Fe K	0.20	0.8950	0.22 <	0.30	0.13	0.28 <	0.39	FeO	0.05
Ag L	46.44	0.8521	54.49	1.38	16.33	58.53	1.48	Ag2O	6.81
Total			105.45+/- 3.53		CompSum	96.90+/- 2.05		CatSum	17.68
								An.Sum	24.00

Inferred phases: Ag2S

Table S417

Spectrum: 4 25-Okt-2013 03:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	125434	70.00/101.15	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.95	0.3375	23.59	2.66	56.97	2.97 <	3.30	O	23.67
Na K	3.69	0.6741	5.47	0.50	9.19	7.37	0.67	Na2O	3.82
Al K	1.28	0.7168	1.79	0.24	2.56	3.38	0.45	Al2O3	1.06
Si K	0.00	0.8242	0.00	0.00	0.00			SiO2	0.00

S	K	8.74	1.0127	8.63	0.34	10.40	21.55	0.85	SO3	4.32
Cl	K	0.71	0.9772	0.72	0.20	0.79	0.72	0.20	Cl	0.33
K	K	0.00	1.1694	0.00	0.00	0.00			K2O	0.00
Ca	K	0.10	0.8416	0.12 <	0.20	0.11	0.17 <	0.28	CaO	0.05
Mn	K	0.00	0.8624	0.00	0.00	0.00			MnO	0.00
Fe	K	0.15	0.9018	0.17 <	0.28	0.11	0.22 <	0.36	FeO	0.05
Ag	L	48.02	0.8655	55.47	1.38	19.87	59.58	1.48	Ag2O	8.26
Total				95.95+/- 3.09		CompSum	92.27+/- 1.95		CatSum	17.55
									An.Sum	24.00

Inferred phases: Ag2S

Table S418

Spectrum: 5 25-Okt-2013 03:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	115863	70.00/97.84	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	60.26	1.0334	58.29	2.12	66.14	21.90	2.62	O	23.20
Na	K	7.04	0.9231	7.63	0.46	6.02	10.28	0.62	Na2O	2.11
Al	K	31.92	0.8531	37.42	0.64	25.17	70.70	1.21	Al2O3	8.83
Si	K	0.04	0.6111	0.06 <	0.16	0.04	0.13 <	0.34	SiO2	0.01
S	K	0.10	0.7979	0.12 <	0.14	0.07	0.30 <	0.35	SO3	0.02
Cl	K	3.71	0.8317	4.46	0.26	2.28	4.46	0.26	Cl	0.80
K	K	0.10	0.9992	0.10 <	0.12	0.05	0.12 <	0.14	K2O	0.02
Ca	K	0.07	0.9510	0.07 <	0.12	0.03	0.10 <	0.17	CaO	0.01
Mn	K	0.25	0.8140	0.31	0.20	0.10	0.40	0.26	MnO	0.04
Fe	K	0.16	0.8301	0.19 <	0.20	0.06	0.24 <	0.26	FeO	0.02
Ag	L	0.14	0.7378	0.18 <	0.32	0.03	0.19 <	0.34	Ag2O	0.01
Total				108.84+/- 2.33		CompSum	82.47+/- 1.54		CatSum	11.07
									An.Sum	24.00

Inferred phases: unidentified aluminum oxide/hydroxide

Table S419

Site: F4-3new(old)

Spectrum: 1 25-Okt-2013 04:26 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	132347	70.00/103.19	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	38.26	0.4721	81.05	3.72	72.55	47.86	4.10	O	22.20
F	K	0.00	0.1345	0.00	0.00	0.00			F	0.00
Na	K	4.16	0.7305	5.70	0.66	3.55	7.68	0.89	Na2O	1.09
Si	K	0.06	0.8928	0.07 <	0.14	0.03	0.15 <	0.30	SiO2	0.01
P	K	17.98	1.2619	14.25	0.44	6.59	32.65	1.01	P2O5	2.02
S	K	0.00	0.9165	0.00	0.00	0.00			SO3	0.00
Cl	K	13.47	0.9285	14.51	0.42	5.86	14.51	0.42	Cl	1.79
Ca	K	30.98	0.9735	31.82	0.62	11.37	44.52	0.87	CaO	3.48
Ni	K	0.03	0.8345	0.03 <	0.28	0.01	0.04 <	0.36	NiO	0.00
Zn	K	0.04	0.7955	0.06 <	0.38	0.01	0.07 <	0.47	ZnO	0.00
Ag	L	0.00	0.7768	0.00	0.00	0.00			Ag2O	0.00
I	L	0.25	0.9637	0.25 <	0.62	0.03	0.25 <	0.62	I	0.01
Total				147.75+/- 3.96		CompSum	85.12+/- 1.73		CatSum	6.60

									An.Sum	24.00

Inferred phases: Ca2PO4Cl

Table S420

Spectrum: 3 25-Okt-2013 04:30 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.45 391516 122722 70.00/100.14 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	15.82	0.4238	37.33	3.12	64.41	17.27	3.79	O	23.38
F K	0.00	0.1528	0.00	0.00	0.00			F	0.00
Na K	8.19	0.6915	11.85	0.84	14.22	15.97	1.13	Na2O	5.16
Si K	0.28	0.8084	0.35	0.16	0.34	0.75	0.34	SiO2	0.12
P K	1.05	1.1913	0.88	0.20	0.79	2.02	0.46	P2O5	0.29
S K	6.63	0.9749	6.80	0.32	5.86	16.98	0.80	SO3	2.13
Cl K	1.12	0.9561	1.17	0.22	0.91	1.17	0.22	Cl	0.33
Ca K	2.31	0.8851	2.61	0.28	1.80	3.65	0.39	CaO	0.65
Ni K	0.02	0.9156	0.02 <	0.34	0.01	0.03 <	0.43	NiO	0.00
Zn K	0.17	0.8853	0.19 <	0.48	0.08	0.24 <	0.60	ZnO	0.03
Ag L	35.66	0.8461	42.14	1.22	10.78	45.27	1.31	Ag2O	3.91
I L	3.26	0.8746	3.73	0.60	0.81	3.73	0.60	I	0.29
Total			107.07+/- 3.60		CompSum	84.90+/- 2.16		CatSum	12.30
								An.Sum	24.00

Inferred phases: Ag2S, AgI, Ca2PO4Cl, Na2CO3

Table S421

Spectrum: 4 25-Okt-2013 04:33 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.45 391516 131344 70.00/102.71 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.30	0.3742	32.87	3.04	62.31	11.50	3.70	O	23.17
F K	0.10	0.1528	0.63 <	1.04	1.01	0.63 <	1.04	F	0.38
Na K	4.84	0.6624	7.31	0.70	9.65	9.85	0.94	Na2O	3.59
Si K	0.22	0.8238	0.27	0.16	0.29	0.58	0.34	SiO2	0.11
P K	0.85	1.2157	0.70	0.18	0.68	1.60	0.41	P2O5	0.25
S K	8.49	0.9970	8.51	0.34	8.05	21.25	0.85	SO3	2.99
Cl K	0.83	0.9688	0.86	0.22	0.73	0.86	0.22	Cl	0.27
Ca K	1.29	0.8630	1.49	0.26	1.13	2.08	0.36	CaO	0.42
Ni K	1.04	0.9334	1.12	0.42	0.58	1.43	0.53	NiO	0.22
Zn K	0.00	0.9052	0.00	0.00	0.00			ZnO	0.00
Ag L	46.00	0.8580	53.62	1.36	15.08	57.60	1.46	Ag2O	5.61
I L	1.79	0.8530	2.10	0.56	0.50	2.10	0.56	I	0.19
Total			109.47+/- 3.67		CompSum	94.39+/- 2.11		CatSum	13.18
								An.Sum	24.00

Inferred phases: Ag2S, AgI, Ca2PO4Cl, Na2CO3

Table S422

Spectrum: 5 25-Okt-2013 04:35 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.45 391516 98159 70.00/93.18 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	14.92	0.5649	26.42	2.12	51.75	3.83	3.24	O	21.83
F K	0.01	0.2227	0.05 <	0.62	0.09	0.05 <	0.62	F	0.04
Na K	7.02	0.6226	11.28	1.20	15.37	15.21	1.62	Na2O	6.48
Si K	0.05	0.6818	0.08 <	0.16	0.09	0.17 <	0.34	SiO2	0.04
P K	5.84	1.0362	5.63	0.34	5.70	12.90	0.78	P2O5	2.40
S K	0.08	0.8277	0.10 <	0.14	0.10	0.25 <	0.35	SO3	0.04
Cl K	4.93	0.8712	5.66	0.28	5.00	5.66	0.28	Cl	2.11
Ca K	12.82	1.0011	12.81	0.40	10.01	17.92	0.56	CaO	4.22
Ni K	0.00	0.9897	0.00	0.00	0.00			NiO	0.00
Zn K	21.10	0.8541	24.70	1.20	11.84	30.74	1.49	ZnO	4.99
Ag L	0.00	0.7710	0.00	0.00	0.00			Ag2O	0.00
I L	0.24	0.9998	0.24 <	0.48	0.06	0.24 <	0.48	I	0.03
Total			86.96+/-	2.90	CompSum	77.19+/-	2.45	CatSum	18.18
								An.Sum	24.00

Inferred phases: Ca2PO4Cl, ZnO (ZnCO3)?

Table S423

Site: F4-7
Spectrum: Spectrum 1 25-Okt-2013 05:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	123883	70.00/100.60	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	25.27	0.4829	52.32	2.66	**83.41**	26.30	3.62	O	24.00
Al K	0.02	0.8508	0.03 <	0.16	0.03	0.06 <	0.30	Al2O3	0.01
Si K	0.42	0.9618	0.44	0.16	0.40	0.94	0.34	SiO2	0.12
S K	0.88	1.0626	0.83	0.38	0.66	2.07	0.95	SO3	0.19
Ca K	0.10	0.8980	0.11 <	0.18	0.07	0.15 <	0.25	CaO	0.02
Nb L	49.50	0.8804	56.22	1.54	**15.43**	80.42	2.20	Nb2O5	4.44
Total			109.95+/-	3.11	CompSum	83.65+/-	2.45	CatSum	4.77
								An.Sum	24.00

Inferred phases: Nb2O5

Table S424

Site: F4-11
Spectrum: 1 25-Okt-2013 07:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	138601	70.00/105.18	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	34.96	0.9915	35.25	1.52	65.70	16.58	2.92	O	23.92
Al K	0.14	0.4312	0.32	0.26	0.35	0.60	0.49	Al2O3	0.13
Si K	0.28	0.5507	0.51	0.24	0.54	1.09	0.51	SiO2	0.20
Cl K	0.22	0.8325	0.26	0.18	0.22	0.26	0.18	Cl	0.08
Ca K	1.61	1.0371	1.55	0.22	1.16	2.17	0.31	CaO	0.42
Zn K	63.59	0.9054	70.24	1.90	32.03	87.43	2.36	ZnO	11.66
Total			108.14+/-	2.48	CompSum	91.29+/-	2.49	CatSum	12.41
								An.Sum	24.00

Inferred phases: ZnO

Table S425

Spectrum: 2 25-Okt-2013 07:32 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.45	391516	136807	70.00/104.11	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.05	1.0402	41.40	1.60	70.58	22.43	2.85	O	23.93
Al K	0.40	0.4592	0.87	0.28	0.88	1.64	0.53	Al2O3	0.30
Si K	1.60	0.5767	2.78	0.30	2.70	5.95	0.64	SiO2	0.92
Cl K	0.22	0.8341	0.27	0.16	0.21	0.27	0.16	Cl	0.07
Ca K	1.16	1.0260	1.13	0.20	0.77	1.58	0.28	CaO	0.26
Zn K	52.74	0.8852	59.58	1.76	24.86	74.16	2.19	ZnO	8.43
Total			106.02+/- 2.43	CompSum		83.33+/- 2.36		CatSum	9.90
								An.Sum	24.00

Inferred phases: ZnO

Table S426

Site: F9-12

Spectrum: 1 31-Okt-2013 05:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	109089	70.00/96.28	6	20.00

Peak omited: 3.660 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	5.75	0.4121	13.96	1.78	66.46	-3.43	2.55	O	24.00
Al K	0.33	0.9039	0.36	0.14	1.02	0.68	0.26	Al2O3	0.37
Nb L	36.88	0.9301	39.65	1.26	32.52	56.72	1.80	Nb2O5	11.74
Total			53.97+/- 2.19	CompSum		57.40+/- 1.82		CatSum	12.11
								An.Sum	24.00

Inferred phases: Nb2O5

Table S427

Spectrum: 2 31-Okt-2013 05:16 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	106981	70.00/95.70	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	6.31	0.4234	14.89	1.76	69.54	-1.28 <	2.51	O	24.00
Al K	0.21	0.8974	0.24	0.14	0.66	0.45	0.26	Al2O3	0.23
Nb L	34.30	0.9254	37.07	1.24	29.80	53.03	1.77	Nb2O5	10.28
Total			52.20+/- 2.16	CompSum		53.48+/- 1.79		CatSum	10.51
								An.Sum	24.00

Inferred phases: Nb2O5

Table S428

Site: F9-14

Spectrum: 1 31-Okt-2013 06:17 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	151502	70.00/108.76	6	20.00

Peak omited: 13.290 keV

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	32.31	0.9570	33.76	1.70	43.93	-27.96	2.49	O	23.29
Al K	58.01	0.9384	61.82	0.78	47.70	116.81	1.47	Al2O3	25.29
S K	0.98	0.7464	1.32	0.20	0.85	3.30	0.50	SO3	0.45
Cl K	1.80	0.7923	2.27	0.22	1.34	2.27	0.22	Cl	0.71
Mn K	5.83	0.8455	6.90	0.46	2.61	8.91	0.59	MnO	1.38
Fe K	8.28	0.8643	9.58	0.56	3.57	12.32	0.72	FeO	1.89
Total			115.65+/- 2.03		CompSum	141.34+/- 1.81		CatSum	29.02
								An.Sum	24.00

Inferred phases: AlOOH

Table S429

Spectrum: 2 31-Okt-2013 06:20 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	137974	70.00/104.54	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	59.98	0.9994	60.01	2.02	62.55	11.80	2.50	O	22.56
Al K	49.46	0.9478	52.19	0.70	32.26	98.61	1.32	Al2O3	11.64
S K	0.50	0.7910	0.63	0.16	0.33	1.57	0.40	SO3	0.12
Cl K	6.98	0.8241	8.47	0.34	3.99	8.47	0.34	Cl	1.44
Mn K	1.44	0.8187	1.76	0.28	0.53	2.27	0.36	MnO	0.19
Fe K	0.97	0.8360	1.17	0.28	0.35	1.51	0.36	FeO	0.13
Total			124.23+/- 2.21		CompSum	103.96+/- 1.47		CatSum	12.07
								An.Sum	24.00

Inferred phases: AlOOH

Table S430

Spectrum: 3 31-Okt-2013 06:22 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	117707	70.00/98.61	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	23.21	0.8768	26.50	1.48	46.11	-15.29	2.08	O	21.81
Al K	41.78	0.9671	43.18	0.64	44.55	81.59	1.21	Al2O3	21.07
S K	0.52	0.7638	0.68	0.16	0.59	1.70	0.40	SO3	0.28
Cl K	4.76	0.8057	5.91	0.30	4.64	5.91	0.30	Cl	2.19
Mn K	3.17	0.8376	3.78	0.36	1.92	4.88	0.46	MnO	0.91
Fe K	3.77	0.8567	4.40	0.42	2.19	5.66	0.54	FeO	1.04
Total			84.44+/- 1.74		CompSum	93.83+/- 1.46		CatSum	23.29
								An.Sum	24.00

Inferred phases: AlOOH

Table S431

Spectrum: 4 31-Okt-2013 06:24 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	153773	70.00/109.67	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.17	0.7936	22.90	1.50	35.66	-37.45	2.13	O	22.56
Al K	74.93	1.1363	65.93	0.72	60.87	124.57	1.36	Al2O3	38.51
S K	0.67	0.7039	0.95	0.20	0.74	2.37	0.50	SO3	0.47
Cl K	2.45	0.7550	3.25	0.24	2.28	3.25	0.24	Cl	1.44
Mn K	0.72	0.8313	0.86	0.24	0.39	1.11	0.31	MnO	0.25
Fe K	0.11	0.8508	0.13 <	0.24	0.06	0.17 <	0.31	FeO	0.04
Total			94.02+/- 1.73		CompSum	128.22+/- 1.51		CatSum	39.26
								An.Sum	24.00

Inferred phases: AlOOH

Table S432

Spectrum: 5 31-Okt-2013 06:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	88607	70.00/90.33	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	35.07	0.9274	37.84	1.62	67.18	17.01	1.92	O	21.40
Al K	21.24	0.9237	22.99	0.48	24.20	43.44	0.91	Al2O3	7.71
S K	0.11	0.8424	0.13	0.12	0.11	0.32	0.30	SO3	0.04
Cl K	8.80	0.8626	10.20	0.36	8.17	10.20	0.36	Cl	2.60
Mn K	0.38	0.8132	0.47	0.22	0.24	0.61	0.28	MnO	0.08
Fe K	0.15	0.8308	0.18 <	0.20	0.09	0.23 <	0.26	FeO	0.03
Total			71.81+/- 1.76		CompSum	44.60+/- 1.03		CatSum	7.85
								An.Sum	24.00

Inferred phases: Al(OH)3

Table S433

Spectrum: 6 31-Okt-2013 06:29 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	101219	70.00/94.07	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	55.35	1.0269	53.89	1.82	71.45	28.67	2.15	O	22.05
Al K	25.15	0.9025	27.87	0.54	21.91	52.66	1.02	Al2O3	6.76
S K	0.17	0.8428	0.20	0.14	0.13	0.50	0.35	SO3	0.04
Cl K	9.12	0.8623	10.58	0.36	6.33	10.58	0.36	Cl	1.95
Mn K	0.26	0.8102	0.32	0.20	0.12	0.41	0.26	MnO	0.04
Fe K	0.11	0.8270	0.14 <	0.20	0.05	0.18 <	0.26	FeO	0.02
Total			93.00+/- 1.96		CompSum	53.75+/- 1.14		CatSum	6.85
								An.Sum	24.00

Inferred phases: Al(OH)3

Table S434

Spectrum: 7 31-Okt-2013 06:31 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	105049	70.00/94.89	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	79.22	1.1824	67.01	1.90	76.88	41.63	2.21	O	22.75
Al K	23.39	0.8712	26.85	0.54	18.27	50.73	1.02	Al2O3	5.41
S K	0.82	0.8495	0.97	0.16	0.56	2.42	0.40	SO3	0.17
Cl K	7.06	0.8618	8.19	0.32	4.24	8.19	0.32	Cl	1.25
Mn K	0.13	0.8062	0.16 <	0.18	0.05	0.21 <	0.23	MnO	0.01
Fe K	0.00	0.8219	0.00	0.00	0.00			FeO	0.00
Total			103.18+/-	2.02	CompSum	53.36+/-	1.12	CatSum	5.59
								An.Sum	24.00

Inferred phases: Al(OH)3

Table S435

Site: F9-15
Spectrum: 1 31-Okt-2013 06:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	94148	70.00/92.48	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.32	0.6747	15.30	1.44	51.76	-13.05	2.62	O	23.46
Na K	0.08	1.1590	0.07 <	0.20	0.16	0.09 <	0.27	Na2O	0.07
Mg K	0.50	1.0137	0.49	0.24	1.09	0.81	0.40	MgO	0.49
Al K	0.74	0.4971	1.49	0.54	2.99	2.82	1.02	Al2O3	1.35
Si K	4.04	0.5471	7.38	0.40	14.22	15.79	0.86	SiO2	6.44
P K	0.13	0.7832	0.17 <	0.20	0.29	0.39 <	0.46	P2O5	0.13
S K	2.61	0.7007	3.72	0.28	6.28	9.29	0.70	SO3	2.85
Cl K	0.58	0.7382	0.78	0.18	1.20	0.78	0.18	Cl	0.54
K K	0.03	0.9915	0.03 <	0.12	0.05	0.04 <	0.14	K2O	0.02
Ca K	0.61	0.9737	0.63	0.16	0.85	0.88	0.22	CaO	0.39
Ti K	0.32	0.8687	0.37	0.18	0.42	0.62	0.30	TiO2	0.19
Mn K	0.04	0.9009	0.04 <	0.18	0.04	0.05 <	0.23	MnO	0.02
Fe K	0.84	0.9270	0.91	0.26	0.88	1.17	0.33	FeO	0.40
Cu K	0.00	0.9077	0.00	0.00	0.00			CuO	0.00
Se L	22.71	0.7865	28.88	0.94	19.79	40.58	1.32	SeO2	8.97
Total			60.27+/-	1.96	CompSum	72.53+/-	2.19	CatSum	21.33
								An.Sum	24.00

Inferred phases: Selenium, altered silicate glass

Table S436

Spectrum: 2 31-Okt-2013 06:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	98568	70.00/93.44	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.11	1.5418	33.16	1.42	69.36	15.41	2.31	O	23.92
Na K	0.11	0.4680	0.23 <	0.46	0.34	0.31 <	0.62	Na2O	0.12
Mg K	0.04	0.4731	0.08 <	0.26	0.10	0.13 <	0.43	MgO	0.03
Al K	0.49	0.5990	0.81	0.28	1.01	1.53	0.53	Al2O3	0.35
Si K	2.41	0.7157	3.37	0.26	4.01	7.21	0.56	SiO2	1.38
P K	0.04	1.0325	0.04 <	0.14	0.05	0.09 <	0.32	P2O5	0.02
S K	0.93	0.8712	1.07	0.18	1.12	2.67	0.45	SO3	0.39
Cl K	0.22	0.8986	0.25	0.14	0.23	0.25	0.14	Cl	0.08
K K	0.08	1.1108	0.07 <	0.12	0.06	0.08 <	0.14	K2O	0.02
Ca K	0.20	1.0640	0.19	0.12	0.16	0.27	0.17	CaO	0.06

Ti K	0.13	0.9457	0.14	0.14	0.10	0.23	0.23	TiO2	0.03
Mn K	0.13	0.8787	0.15 <	0.20	0.09	0.19 <	0.26	MnO	0.03
Fe K	34.89	0.8963	38.93	0.96	23.33	50.08	1.24	FeO	8.05
Cu K	0.07	0.8134	0.08 <	0.30	0.04	0.10 <	0.38	CuO	0.01
Se L	0.00	0.4140	0.00	0.00	0.00			SeO2	0.00
Total			78.56+/- 1.90		CompSum	62.91+/- 1.82		CatSum	10.49
								An.Sum	24.00

Inferred phases: Fe2O3

Table S437

Spectrum: 3 31-Okt-2013 06:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	86038	70.00/89.82	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	32.44	1.2195	26.61	1.42	66.00	6.91	2.34	O	23.69
Na K	0.38	0.5470	0.69	0.40	1.20	0.93	0.54	Na2O	0.43
Mg K	0.16	0.5351	0.30	0.22	0.49	0.50	0.36	MgO	0.18
Al K	1.46	0.6554	2.22	0.30	3.27	4.19	0.57	Al2O3	1.17
Si K	4.30	0.7425	5.80	0.30	8.19	12.41	0.64	SiO2	2.94
P K	0.00	1.0041	0.00	0.00	0.00			P2O5	0.00
S K	2.13	0.8485	2.51	0.22	3.11	6.27	0.55	SO3	1.12
Cl K	0.67	0.8575	0.78	0.16	0.87	0.78	0.16	Cl	0.31
K K	0.13	1.0638	0.12	0.12	0.12	0.14	0.14	K2O	0.04
Ca K	0.39	1.0193	0.38	0.12	0.38	0.53	0.17	CaO	0.14
Ti K	0.27	0.8958	0.30	0.14	0.25	0.50	0.23	TiO2	0.09
Mn K	0.05	0.8599	0.05 <	0.20	0.04	0.06 <	0.26	MnO	0.01
Fe K	19.15	0.8786	21.79	0.74	15.48	28.03	0.95	FeO	5.56
Cu K	0.65	0.8115	0.80	0.36	0.50	1.00	0.45	CuO	0.18
Se L	0.10	0.4595	0.21 <	0.60	0.11	0.30 <	0.84	SeO2	0.04
Total			62.58+/- 1.90		CompSum	54.87+/- 1.86		CatSum	11.89
								An.Sum	24.00

Inferred phases: Fe2O3, silicate glass

Table S438

Spectrum: 4 31-Okt-2013 06:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	105663	70.00/95.39	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	50.50	1.0069	50.14	2.04	63.66	9.47	2.84	O	23.95
Na K	7.03	0.7708	9.12	0.60	8.06	12.29	0.81	Na2O	3.03
Mg K	0.64	0.6345	1.00	0.24	0.84	1.66	0.40	MgO	0.32
Al K	4.65	0.7481	6.22	0.40	4.68	11.75	0.76	Al2O3	1.76
Si K	16.71	0.7883	21.21	0.52	15.34	45.37	1.11	SiO2	5.77
P K	0.47	0.9235	0.51	0.18	0.33	1.17	0.41	P2O5	0.12
S K	0.68	0.7854	0.87	0.18	0.55	2.17	0.45	SO3	0.21
Cl K	0.19	0.8218	0.23	0.14	0.13	0.23	0.14	Cl	0.05
K K	1.44	1.0230	1.41	0.18	0.73	1.70	0.22	K2O	0.27
Ca K	1.52	0.9683	1.57	0.20	0.79	2.20	0.28	CaO	0.30
Ti K	1.05	0.8325	1.26	0.22	0.54	2.10	0.37	TiO2	0.20
Mn K	0.03	0.8223	0.04 <	0.20	0.02	0.05 <	0.26	MnO	0.01

Fe K	10.00	0.8399	11.91	0.60	4.33	15.32	0.77	FeO	1.63
Cu K	0.00	0.7995	0.00	0.00	0.00			CuO	0.00
Se L	0.00	0.5286	0.00	0.00	0.00			SeO2	0.00
Total			105.48+/- 2.37		CompSum	95.79+/- 1.98		CatSum	13.62
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S439

Spectrum: 5 31-Okt-2013 07:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	95409	70.00/92.52	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.14	0.9329	43.01	1.92	64.04	6.44	2.64	O	23.95
Na K	5.55	0.8351	6.64	0.48	6.88	8.95	0.65	Na2O	2.57
Mg K	0.45	0.6844	0.66	0.20	0.65	1.09	0.33	MgO	0.24
Al K	4.72	0.7956	5.93	0.38	5.23	11.20	0.72	Al2O3	1.96
Si K	16.69	0.8127	20.54	0.50	17.42	43.94	1.07	SiO2	6.51
P K	0.41	0.9079	0.45	0.18	0.35	1.03	0.41	P2O5	0.13
S K	0.78	0.7731	1.01	0.18	0.75	2.52	0.45	SO3	0.28
Cl K	0.17	0.8080	0.21	0.14	0.14	0.21	0.14	Cl	0.05
K K	1.62	1.0078	1.61	0.18	0.98	1.94	0.22	K2O	0.37
Ca K	1.32	0.9516	1.38	0.20	0.82	1.93	0.28	CaO	0.31
Ti K	0.85	0.8166	1.04	0.20	0.52	1.73	0.33	TiO2	0.19
Mn K	0.08	0.8140	0.09 <	0.18	0.04	0.12 <	0.23	MnO	0.01
Fe K	4.11	0.8318	4.94	0.42	2.11	6.36	0.54	FeO	0.79
Cu K	0.13	0.7972	0.16 <	0.30	0.06	0.20 <	0.38	CuO	0.02
Se L	0.00	0.5659	0.00	0.00	0.00			SeO2	0.00
Total			87.70+/- 2.20		CompSum	81.02+/- 1.81		CatSum	13.39
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S440

Spectrum: 6 31-Okt-2013 07:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	99105	70.00/93.27	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	27.65	0.7275	38.04	2.32	70.57	13.69	3.06	O	23.96
Na K	0.24	0.5443	0.45	0.42	0.58	0.61	0.57	Na2O	0.20
Mg K	0.63	0.5398	1.16	0.28	1.41	1.92	0.46	MgO	0.48
Al K	0.71	0.6558	1.09	0.28	1.19	2.06	0.53	Al2O3	0.40
Si K	2.86	0.7650	3.73	0.26	3.94	7.98	0.56	SiO2	1.34
P K	0.03	1.0805	0.02 <	0.14	0.02	0.05 <	0.32	P2O5	0.01
S K	1.43	0.9002	1.58	0.18	1.47	3.95	0.45	SO3	0.50
Cl K	0.14	0.9154	0.16	0.12	0.13	0.16	0.12	Cl	0.04
K K	0.08	1.1237	0.07 <	0.10	0.05	0.08 <	0.12	K2O	0.02
Ca K	0.54	1.0752	0.50	0.14	0.37	0.70	0.20	CaO	0.13
Ti K	12.62	0.9006	14.01	0.46	8.68	23.37	0.77	TiO2	2.95
Mn K	0.31	0.8400	0.36	0.22	0.20	0.46	0.28	MnO	0.07
Fe K	18.22	0.8618	21.14	0.74	11.24	27.20	0.95	FeO	3.82
Cu K	0.15	0.8135	0.18 <	0.30	0.08	0.23 <	0.38	CuO	0.03

Se L	0.05	0.4576	0.11 <	0.62	0.04	0.15 <	0.87	SeO2	0.01
Total			82.62+/- 2.68	CompSum		68.75+/- 1.99		CatSum	9.94
								An.Sum	24.00

Inferred phases: altered silicate glass, Ti-magnetite

Table S441

Spectrum: 7 31-Okt-2013 07:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	110154	70.00/96.26	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.68	0.8563	51.01	2.24	66.60	10.08	2.90	O	24.00
Na K	1.81	0.7875	2.30	0.38	2.09	3.10	0.51	Na2O	0.75
Mg K	1.35	0.7141	1.89	0.26	1.62	3.13	0.43	MgO	0.58
Al K	5.70	0.8083	7.06	0.40	5.46	13.34	0.76	Al2O3	1.97
Si K	18.96	0.8202	23.12	0.52	17.19	49.46	1.11	SiO2	6.19
P K	0.29	0.9191	0.32	0.18	0.21	0.73	0.41	P2O5	0.08
S K	0.50	0.7823	0.63	0.16	0.41	1.57	0.40	SO3	0.15
Cl K	0.00	0.8197	0.00	0.00	0.00			Cl	0.00
K K	1.96	1.0208	1.92	0.20	1.03	2.31	0.24	K2O	0.37
Ca K	4.17	0.9581	4.35	0.28	2.27	6.09	0.39	CaO	0.82
Ti K	0.97	0.8124	1.19	0.22	0.52	1.98	0.37	TiO2	0.19
Mn K	0.04	0.8116	0.05 <	0.20	0.02	0.06 <	0.26	MnO	0.01
Fe K	5.71	0.8298	6.88	0.48	2.57	8.85	0.62	FeO	0.93
Cu K	0.00	0.7957	0.00	0.00	0.00			CuO	0.00
Se L	0.00	0.5759	0.00	0.00	0.00			SeO2	0.00
Total			100.73+/- 2.48	CompSum		90.64+/- 1.84		CatSum	12.03
								An.Sum	24.00

Inferred phases: silicate glass

Table S442

Spectrum: 8 31-Okt-2013 07:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	111412	70.00/96.61	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.76	0.8270	52.89	2.28	65.71	8.42	2.93	O	23.98
Na K	3.37	0.8819	3.82	0.42	3.30	5.15	0.57	Na2O	1.20
Mg K	0.13	0.7615	0.17 <	0.18	0.14	0.28 <	0.30	MgO	0.05
Al K	11.14	0.8702	12.80	0.46	9.43	24.19	0.87	Al2O3	3.44
Si K	19.29	0.8024	24.04	0.54	17.02	51.43	1.16	SiO2	6.21
P K	0.12	0.8972	0.14 <	0.16	0.09	0.32 <	0.37	P2O5	0.03
S K	0.53	0.7673	0.70	0.16	0.43	1.75	0.40	SO3	0.16
Cl K	0.09	0.8052	0.11 <	0.12	0.06	0.11 <	0.12	Cl	0.02
K K	0.55	1.0068	0.54	0.14	0.28	0.65	0.17	K2O	0.10
Ca K	6.03	0.9490	6.35	0.30	3.15	8.88	0.42	CaO	1.15
Ti K	0.13	0.7962	0.16	0.16	0.07	0.27	0.27	TiO2	0.03
Mn K	0.01	0.8042	0.01 <	0.18	0.00	0.01 <	0.23	MnO	0.00
Fe K	0.69	0.8223	0.84	0.24	0.30	1.08	0.31	FeO	0.11
Cu K	0.09	0.7939	0.11 <	0.30	0.04	0.14 <	0.38	CuO	0.01
Se L	0.00	0.6265	0.00	0.00	0.00			SeO2	0.00
Total			102.67+/- 2.51	CompSum		94.15+/- 1.83		CatSum	12.50

									An.Sum	24.00

Inferred phases: altered silicate glass

Table S443

Spectrum: 9 31-Okt-2013 07:09 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.48 392084 88230 70.00/90.45 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.16	0.7317	26.19	1.72	56.52	-5.66	2.39	O	23.93
Na K	1.35	0.8086	1.67	0.30	2.52	2.25	0.40	Na2O	1.07
Mg K	0.92	0.7262	1.26	0.20	1.79	2.09	0.33	MgO	0.76
Al K	4.58	0.8201	5.58	0.34	7.14	10.54	0.64	Al2O3	3.02
Si K	14.54	0.8164	17.81	0.46	21.90	38.10	0.98	SiO2	9.27
P K	0.20	0.8863	0.22	0.16	0.25	0.50	0.37	P2O5	0.11
S K	0.27	0.7628	0.35	0.14	0.38	0.87	0.35	SO3	0.16
Cl K	0.13	0.8074	0.16	0.12	0.16	0.16	0.12	Cl	0.07
K K	1.79	1.0179	1.76	0.18	1.56	2.12	0.22	K2O	0.66
Ca K	3.12	0.9567	3.26	0.24	2.81	4.56	0.34	CaO	1.19
Ti K	1.00	0.8166	1.22	0.20	0.88	2.04	0.33	TiO2	0.37
Mn K	0.10	0.8195	0.12 <	0.20	0.07	0.15 <	0.26	MnO	0.03
Fe K	5.35	0.8395	6.37	0.46	3.94	8.19	0.59	FeO	1.67
Cu K	0.13	0.8048	0.16 <	0.30	0.09	0.20 <	0.38	CuO	0.04
Se L	0.00	0.5848	0.00	0.00	0.00			SeO2	0.00
Total			66.14+/- 1.99		CompSum	71.63+/- 1.66		CatSum	18.35
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S444

Spectrum: 11 31-Okt-2013 07:13 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.48 392084 111746 70.00/96.77 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	54.09	0.9245	58.50	2.26	69.20	15.80	2.93	O	23.96
Na K	1.83	0.7664	2.39	0.40	1.97	3.22	0.54	Na2O	0.68
Mg K	0.92	0.7000	1.31	0.24	1.02	2.17	0.40	MgO	0.35
Al K	4.64	0.8048	5.76	0.38	4.04	10.88	0.72	Al2O3	1.40
Si K	21.34	0.8357	25.54	0.54	17.21	54.64	1.16	SiO2	5.96
P K	0.44	0.9263	0.48	0.18	0.29	1.10	0.41	P2O5	0.10
S K	0.63	0.7857	0.80	0.18	0.47	2.00	0.45	SO3	0.16
Cl K	0.19	0.8209	0.23	0.14	0.12	0.23	0.14	Cl	0.04
K K	1.97	1.0182	1.94	0.20	0.94	2.34	0.24	K2O	0.33
Ca K	2.70	0.9585	2.82	0.24	1.33	3.95	0.34	CaO	0.46
Ti K	1.35	0.8174	1.66	0.24	0.65	2.77	0.40	TiO2	0.23
Mn K	0.09	0.8120	0.11 <	0.22	0.04	0.14 <	0.28	MnO	0.01
Fe K	6.66	0.8297	8.03	0.50	2.72	10.33	0.64	FeO	0.94
Cu K	0.00	0.7941	0.00	0.00	0.00			CuO	0.00
Se L	0.00	0.5728	0.00	0.00	0.00			SeO2	0.00
Total			109.56+/- 2.51		CompSum	93.54+/- 1.87		CatSum	10.62
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S445

Site: F9-16
Spectrum: 1 31-Okt-2013 08:01 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	171109	70.00/115.72	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.09	0.3819	47.37	3.62	66.31	14.88	4.26	O	23.19
F K	0.30	0.1531	1.97	1.30	2.33	1.97	1.30	F	0.81
Si K	0.30	0.8667	0.35	0.20	0.28	0.75	0.43	SiO2	0.10
P K	5.05	1.2594	4.01	0.30	2.90	9.19	0.69	P2O5	1.01
S K	12.05	1.0023	12.02	0.40	8.39	30.01	1.00	SO3	2.93
Ca K	7.90	0.8615	9.18	0.42	5.13	12.84	0.59	CaO	1.79
Sr L	0.18	0.8293	0.22 <	0.50	0.06	0.26 <	0.59	SrO	0.02
Ag L	60.56	0.8605	70.38	1.54	14.61	75.60	1.65	Ag2O	5.11
Total			145.49+/-	4.23 CompSum		128.65+/-	2.25	CatSum	10.97
								An.Sum	24.00

Inferred phases: Ag2S, Ca5(PO4)3(F,OH)

Table S446

Spectrum: 2 31-Okt-2013 08:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	178161	70.00/117.98	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.66	0.3484	30.61	3.68	59.83	2.49 <	4.32	O	23.75
F K	0.06	0.1557	0.38 <	1.46	0.62	0.38 <	1.46	F	0.25
Si K	0.13	0.8629	0.15 <	0.22	0.17	0.32 <	0.47	SiO2	0.07
P K	2.87	1.2673	2.27	0.26	2.29	5.20	0.60	P2O5	0.91
S K	12.08	1.0250	11.79	0.40	11.49	29.44	1.00	SO3	4.56
Ca K	3.39	0.8376	4.05	0.36	3.16	5.67	0.50	CaO	1.25
Sr L	0.08	0.8278	0.10 <	0.52	0.04	0.12 <	0.61	SrO	0.02
Ag L	67.83	0.8778	77.27	1.60	22.40	83.00	1.72	Ag2O	8.89
Total			126.60+/-	4.35 CompSum		123.75+/-	2.27	CatSum	15.70
								An.Sum	24.00

Inferred phases: Ag2S, Ca5(PO4)3(F,OH)

Table S447

Spectrum: 3 31-Okt-2013 08:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	160481	70.00/112.41	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.61	0.4042	53.47	3.74	71.28	23.35	4.33	O	23.63
F K	0.15	0.1498	0.99 <	1.30	1.11	0.99 <	1.30	F	0.37
Si K	0.23	0.8671	0.27	0.20	0.20	0.58	0.43	SiO2	0.07
P K	6.12	1.2542	4.88	0.32	3.36	11.18	0.73	P2O5	1.11
S K	10.00	0.9894	10.10	0.38	6.72	25.22	0.95	SO3	2.23
Ca K	8.11	0.8704	9.32	0.42	4.96	13.04	0.59	CaO	1.64

Sr L	0.33	0.8289	0.40 <	0.48	0.10	0.47 <	0.57	SrO	0.03
Ag L	53.04	0.8549	62.04	1.46	12.27	66.64	1.57	Ag2O	4.07
Total			141.48+/- 4.30	CompSum		117.13+/- 2.18		CatSum	9.15
								An.Sum	24.00

Inferred phases: Ag2S, Ca5(PO4)3(F,OH)

Table S448

Spectrum: 4 31-Okt-2013 08:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	129207	70.00/102.33	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	40.06	0.4993	80.23	3.60	73.23	36.46	3.99	O	23.33
F K	0.38	0.1386	2.73	1.50	2.10	2.73	1.50	F	0.67
Si K	0.56	0.9092	0.61	0.18	0.32	1.30	0.39	SiO2	0.10
P K	25.56	1.2546	20.38	0.52	9.61	46.70	1.19	P2O5	3.06
S K	0.53	0.8706	0.61	0.18	0.28	1.52	0.45	SO3	0.09
Ca K	38.99	0.9952	39.18	0.66	14.28	54.82	0.92	CaO	4.55
Sr L	0.96	0.8605	1.12	0.48	0.19	1.32	0.57	SrO	0.06
Ag L	0.00	0.8126	0.00	0.00	0.00			Ag2O	0.00
Total			144.85+/- 4.03		CompSum	105.67+/- 1.72		CatSum	7.86
								An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S449

Site: F9-19
Spectrum: Spectrum 1 31-Okt-2013 08:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	118232	70.00/99.35	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	7.56	0.7423	10.18	1.00	71.80	0.16 <	2.56	O	23.88
S K	0.25	0.6148	0.41	0.38	1.44	1.02	0.95	SO3	0.48
Cl K	0.08	0.6670	0.11 <	0.16	0.36	0.11 <	0.16	Cl	0.12
Mo L	0.27	0.5174	0.53 <	1.14	0.62	0.80 <	1.71	MoO3	0.21
Ta M	38.24	0.9249	41.34	1.08	25.78	50.48	1.32	Ta2O5	8.57
Total			52.58+/- 1.91		CompSum	52.30+/- 2.36		CatSum	9.26
								An.Sum	24.00

Inferred phases: Ta2O5

Table S450

Spectrum: Spectrum 2 31-Okt-2013 08:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	142917	70.00/106.74	6	20.00

Peaks Omited: 1.040, 3.710 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	14.99	0.7627	19.66	1.40	77.32	5.47	3.14	O	23.80
S K	0.00	0.6307	0.00	0.00	0.00			SO3	0.00
Cl K	0.25	0.6784	0.36	0.20	0.64	0.36	0.20	Cl	0.20

Mo L	1.14	0.5307	2.14	1.52	1.40	3.21	2.28	MoO3	0.43
Ta M	53.77	0.9061	59.34	1.34	20.63	72.46	1.64	Ta2O5	6.35
Total			81.51+/- 2.47		CompSum	75.67+/- 2.81		CatSum	6.78
								An.Sum	24.00

Inferred phases: Ta2O5

Table S451

Site: F9-20
Spectrum: 1 31-Okt-2013 09:08 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.48 392084 141764 70.00/105.93 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	17.23	0.4041	42.66	2.80	78.20	25.65	3.53	O	23.61
Mg K	0.90	0.5767	1.55	0.30	1.87	2.57	0.50	MgO	0.56
Al K	1.85	0.6842	2.70	0.30	2.94	5.10	0.57	Al2O3	0.89
S K	0.94	0.9521	0.99	0.22	0.91	2.47	0.55	SO3	0.27
Cl K	1.52	0.9846	1.55	0.20	1.28	1.55	0.20	Cl	0.39
Co K	0.77	0.8893	0.86	0.38	0.43	1.09	0.48	CoO	0.13
In L	53.14	0.9655	55.04	1.24	14.06	66.54	1.50	In2O3	4.25
W M	0.86	0.6626	1.29	0.62	0.21	1.63	0.78	WO3	0.06
Au M	0.56	0.7664	0.73 <	0.78	0.11	0.76 <	0.81	Au2O	0.03
Total			107.36+/- 3.28		CompSum	80.17+/- 2.15		CatSum	6.20
								An.Sum	24.00

Inferred phases: In2O3

Table S452

Spectrum: 2 31-Okt-2013 09:10 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.48 392084 131649 70.00/102.98 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	12.39	0.3725	33.27	2.56	76.87	19.16	3.26	O	23.51
Mg K	0.91	0.5658	1.62	0.30	2.46	2.69	0.50	MgO	0.75
Al K	0.13	0.6718	0.20	0.20	0.27	0.38	0.38	Al2O3	0.08
S K	0.70	0.9663	0.72	0.20	0.83	1.80	0.50	SO3	0.25
Cl K	1.53	1.0021	1.52	0.20	1.59	1.52	0.20	Cl	0.49
Co K	0.30	0.9015	0.33	0.32	0.21	0.42	0.41	CoO	0.06
In L	53.17	0.9819	54.14	1.22	17.43	65.46	1.47	In2O3	5.33
W M	0.95	0.6706	1.42	0.58	0.28	1.79	0.73	WO3	0.09
Au M	0.28	0.7743	0.36 <	0.70	0.07	0.37 <	0.73	Au2O	0.02
Total			93.58+/- 3.03		CompSum	72.90+/- 2.01		CatSum	6.59

Inferred phases: In2O3

Table S453

Spectrum: 3 31-Okt-2013 09:12 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.48 392084 102726 70.00/94.53 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	11.62	0.4220	27.54	2.18	76.61	11.87	2.86	O	23.88
Mg K	0.26	0.5983	0.44	0.20	0.81	0.73	0.33	MgO	0.25
Al K	0.96	0.7130	1.34	0.20	2.22	2.53	0.38	Al2O3	0.69
S K	4.44	0.9370	4.74	0.30	6.58	11.84	0.75	SO3	2.05
Cl K	0.29	0.9272	0.32	0.14	0.40	0.32	0.14	Cl	0.12
Co K	0.45	0.8865	0.50	0.32	0.38	0.64	0.41	CoO	0.12
In L	29.39	0.9304	31.59	0.98	12.24	38.19	1.18	In2O3	3.81
W M	0.67	0.6850	0.98	0.48	0.24	1.24	0.61	WO3	0.07
Au M	1.86	0.7818	2.37	0.78	0.54	2.47	0.81	Au2O	0.17
Total			69.82+/-	2.62	CompSum	57.63+/-	1.85	CatSum	7.17
								An.Sum	24.00

Inferred phases: In2O3, gold

Table S454

Spectrum: 4 31-Okt-2013 09:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.48	392084	96935	70.00/92.53	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	14.83	0.5538	26.78	1.86	85.72	19.91	2.27	O	23.75
Mg K	0.41	0.5966	0.69	0.22	1.45	1.14	0.36	MgO	0.40
Al K	0.70	0.7045	0.99	0.20	1.88	1.87	0.38	Al2O3	0.52
S K	0.97	0.9300	1.04	0.18	1.66	2.60	0.45	SO3	0.46
Cl K	0.59	0.9409	0.63	0.14	0.91	0.63	0.14	Cl	0.25
Co K	0.88	0.8576	1.02	0.28	0.89	1.30	0.36	CoO	0.25
In L	14.63	0.9229	15.85	0.72	7.07	19.16	0.87	In2O3	1.96
W M	1.00	0.6739	1.49	0.46	0.42	1.88	0.58	WO3	0.12
Au M	0.00	0.7521	0.00	0.00	0.00			Au2O	0.00
Total			48.50+/-	2.10	CompSum	27.95+/-	1.30	CatSum	3.70
								An.Sum	24.00

Inferred phases: In2O3

Table S455

Site: F2-1
Spectrum: 1 8-Nov-2013 03:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	118112	70.00/98.70	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	51.43	0.8632	59.58	2.58	62.16	14.06	3.26	O	21.57
F K	1.55	0.1939	7.98	2.22	7.01	7.98	2.22	F	2.43
Na K	3.68	0.7629	4.83	0.52	3.50	**6.51**	0.70	Na2O	1.21
Mg K	1.48	0.6785	2.18	0.28	1.50	3.62	0.46	MgO	0.52
Al K	5.47	0.7791	7.02	0.34	4.34	13.26	0.64	Al2O3	1.51
Si K	17.32	0.8150	21.25	0.50	12.63	45.46	1.07	SiO2	4.38
P K	0.29	0.9744	0.30	0.18	0.16	0.69	0.41	P2O5	0.06
S K	3.34	0.8192	4.08	0.26	2.12	10.19	0.65	SO3	0.74
K K	6.11	1.0270	5.94	0.28	2.54	**7.16**	0.34	K2O	0.88
Ca K	3.45	0.9495	3.63	0.26	1.51	5.08	0.36	CaO	0.52
Ti K	0.92	0.8116	1.14	0.24	0.40	1.90	0.40	TiO2	0.14
Cr K	0.02	0.8345	0.02 <	0.18	0.01	0.03 <	0.26	Cr2O3	0.00

Mn	K	0.05	0.8128	0.06 <	0.22	0.02	0.08 <	0.28	MnO	0.01
Fe	K	5.62	0.8311	6.76	0.48	2.02	8.70	0.62	FeO	0.70
Cu	K	0.22	0.7978	0.27 <	0.32	0.07	0.34 <	0.40	CuO	0.02
Ba	L	0.00	0.7770	0.00	0.00	0.00			BaO	0.00
Total				125.04+/- 3.61		CompSum	103.00+/- 1.99		CatSum	10.69
									An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S456

Spectrum: 2 8-Nov-2013 03:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	115232	70.00/97.63	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	52.06	0.8964	58.07	2.48	62.01	12.60	3.23	O	21.65
F K	1.47	0.1960	7.49	2.12	6.73	7.49	2.12	F	2.35
Na K	4.13	0.7707	5.36	0.50	3.98	7.23	0.67	Na2O	1.39
Mg K	1.33	0.6778	1.96	0.26	1.37	3.25	0.43	MgO	0.48
Al K	5.78	0.7795	7.41	0.36	4.69	14.00	0.68	Al2O3	1.64
Si K	17.65	0.8100	21.79	0.52	13.25	46.62	1.11	SiO2	4.63
P K	0.32	0.9609	0.33	0.18	0.18	0.76	0.41	P2O5	0.06
S K	2.93	0.8100	3.62	0.26	1.93	9.04	0.65	SO3	0.67
K K	3.84	1.0240	3.75	0.24	1.64	4.52	0.29	K2O	0.57
Ca K	3.77	0.9554	3.94	0.26	1.68	5.51	0.36	CaO	0.59
Ti K	0.84	0.8138	1.03	0.24	0.37	1.72	0.40	TiO2	0.13
Cr K	0.03	0.8356	0.03 <	0.18	0.01	0.04 <	0.26	Cr2O3	0.00
Mn K	0.24	0.8132	0.30	0.20	0.09	0.39	0.26	MnO	0.03
Fe K	5.45	0.8312	6.56	0.46	2.01	8.44	0.59	FeO	0.70
Cu K	0.07	0.7977	0.08 <	0.32	0.02	0.10 <	0.40	CuO	0.01
Ba L	0.17	0.7791	0.22 <	0.52	0.03	0.25 <	0.58	BaO	0.01
Total			121.95+/- 3.51		CompSum	101.85+/- 2.07		CatSum	10.91
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S457

Spectrum: 3 8-Nov-2013 03:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	111633	70.00/96.95	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.61	0.8804	51.80	2.42	58.69	9.40	3.11	O	20.43
F K	2.22	0.2067	10.74	2.20	10.24	10.74	2.20	F	3.57
Na K	3.75	0.7483	5.01	0.52	3.95	6.75	0.70	Na2O	1.38
Mg K	1.11	0.6634	1.68	0.26	1.25	2.79	0.43	MgO	0.44
Al K	4.61	0.7696	5.99	0.32	4.02	11.32	0.60	Al2O3	1.40
Si K	15.72	0.8133	19.33	0.48	12.48	41.35	1.03	SiO2	4.35
P K	0.35	0.9778	0.36	0.18	0.21	0.82	0.41	P2O5	0.07
S K	3.63	0.8214	4.42	0.28	2.50	11.04	0.70	SO3	0.87
K K	5.34	1.0274	5.20	0.26	2.41	6.26	0.31	K2O	0.84
Ca K	2.97	0.9523	3.12	0.24	1.41	4.37	0.34	CaO	0.49

Ti K	0.72	0.8155	0.88	0.24	0.33	1.47	0.40	TiO2	0.11
Cr K	0.00	0.8403	0.00 <	0.18	0.00	0.00 <	0.26	Cr2O3	0.00
Mn K	0.03	0.8162	0.04 <	0.20	0.01	0.05 <	0.26	MnO	0.00
Fe K	6.16	0.8346	7.38	0.48	2.40	9.49	0.62	FeO	0.84
Cu K	0.29	0.7999	0.36	0.32	0.10	0.45	0.40	CuO	0.03
Ba L	0.00	0.7809	0.00	0.00	0.00			BaO	0.00
Total			116.30+/- 3.47		CompSum	96.17+/- 1.95		CatSum	10.82
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S458

Spectrum: 4 8-Nov-2013 03:44 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	106570	70.00/95.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.40	0.8459	51.30	2.44	63.91	14.68	3.15	O	22.23
F K	0.94	0.1941	4.85	2.36	5.09	4.85	2.36	F	1.77
Na K	1.84	0.7054	2.61	0.44	2.27	3.52	0.59	Na2O	0.79
Mg K	2.42	0.6497	3.72	0.32	3.05	6.17	0.53	MgO	1.06
Al K	3.72	0.7344	5.07	0.30	3.74	9.58	0.57	Al2O3	1.30
Si K	11.75	0.7918	14.84	0.44	10.53	31.75	0.94	SiO2	3.66
P K	0.27	0.9927	0.27	0.16	0.18	0.62	0.37	P2O5	0.06
S K	2.33	0.8331	2.80	0.24	1.74	6.99	0.60	SO3	0.61
K K	3.07	1.0498	2.92	0.22	1.49	3.52	0.27	K2O	0.52
Ca K	7.01	0.9749	7.19	0.32	3.57	10.06	0.45	CaO	1.24
Ti K	0.64	0.8191	0.79	0.24	0.33	1.32	0.40	TiO2	0.11
Cr K	0.02	0.8480	0.02 <	0.16	0.01	0.03 <	0.23	Cr2O3	0.00
Mn K	0.23	0.8181	0.29	0.22	0.10	0.37	0.28	MnO	0.03
Fe K	8.77	0.8371	10.48	0.56	3.74	13.48	0.72	FeO	1.30
Cu K	0.47	0.8000	0.58	0.36	0.18	0.73	0.45	CuO	0.06
Ba L	0.44	0.7846	0.56	0.52	0.08	0.63	0.58	BaO	0.03
Total			108.28+/- 3.63		CompSum	88.76+/- 1.99		CatSum	10.79
								An.Sum	24.00

Inferred phases: silicate glass

Table S459

Spectrum: 5 8-Nov-2013 03:46 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	106452	70.00/95.32	6	20.00

Peak omited: 13.940 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.38	0.8475	53.55	2.46	63.82	14.98	3.08	O	21.80
F K	1.20	0.1879	6.40	2.24	6.43	6.40	2.24	F	2.20
Na K	2.93	0.7462	3.93	0.46	3.26	5.30	0.62	Na2O	1.11
Mg K	1.43	0.6696	2.14	0.26	1.68	3.55	0.43	MgO	0.57
Al K	4.20	0.7687	5.47	0.32	3.87	10.34	0.60	Al2O3	1.32
Si K	13.15	0.8141	16.15	0.44	10.96	34.55	0.94	SiO2	3.74
P K	0.38	0.9977	0.38	0.16	0.23	0.87	0.37	P2O5	0.08
S K	3.70	0.8334	4.44	0.28	2.64	11.09	0.70	SO3	0.90
K K	4.67	1.0327	4.52	0.26	2.20	5.44	0.31	K2O	0.75

Ca K	4.47	0.9552	4.68	0.28	2.23	6.55	0.39	CaO	0.76
Ti K	0.83	0.8106	1.03	0.24	0.41	1.72	0.40	TiO2	0.14
Cr K	0.00	0.8341	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.11	0.8120	0.14 <	0.20	0.05	0.18 <	0.26	MnO	0.02
Fe K	5.22	0.8305	6.29	0.46	2.15	8.09	0.59	FeO	0.73
Cu K	0.21	0.7970	0.26 <	0.34	0.08	0.33 <	0.43	CuO	0.03
Ba L	0.00	0.7761	0.00	0.00	0.00			BaO	0.00
Total			109.37+/- 3.51		CompSum	88.00+/- 1.86		CatSum	10.17
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S460

Spectrum: 6 8-Nov-2013 03:48 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	107542	70.00/96.19	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	42.81	0.8486	50.45	2.40	60.02	11.40	3.05	O	20.72
F K	1.89	0.1997	9.48	2.14	9.49	9.48	2.14	F	3.28
Na K	2.30	0.7425	3.10	0.44	2.57	4.18	0.59	Na2O	0.89
Mg K	1.25	0.6761	1.85	0.26	1.45	3.07	0.43	MgO	0.50
Al K	4.99	0.7782	6.41	0.32	4.52	12.11	0.60	Al2O3	1.56
Si K	15.50	0.8131	19.06	0.48	12.92	40.78	1.03	SiO2	4.46
P K	0.33	0.9714	0.34	0.16	0.21	0.78	0.37	P2O5	0.07
S K	1.86	0.8179	2.27	0.22	1.35	5.67	0.55	SO3	0.47
K K	5.72	1.0353	5.52	0.28	2.69	6.65	0.34	K2O	0.93
Ca K	3.83	0.9544	4.01	0.28	1.91	5.61	0.39	CaO	0.66
Ti K	0.81	0.8136	0.99	0.24	0.39	1.65	0.40	TiO2	0.13
Cr K	0.09	0.8381	0.10 <	0.18	0.04	0.15 <	0.26	Cr2O3	0.01
Mn K	0.07	0.8146	0.08 <	0.20	0.03	0.10 <	0.26	MnO	0.01
Fe K	5.86	0.8329	7.04	0.48	2.40	9.06	0.62	FeO	0.83
Cu K	0.08	0.7992	0.10 <	0.34	0.03	0.13 <	0.43	CuO	0.01
Ba L	0.00	0.7790	0.00	0.00	0.00			BaO	0.00
Total			110.79+/- 3.41		CompSum	89.92+/- 1.88		CatSum	10.53
								An.Sum	24.00

Inferred phases: silicate glass (microsphere)

Table S461

Spectrum: 7 8-Nov-2013 03:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	97744	70.00/93.33	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.17	0.6272	35.32	2.38	57.33	2.15 <	3.01	O	21.48
F K	0.95	0.1926	4.93	1.74	6.74	4.93	1.74	F	2.52
Na K	1.12	0.7229	1.55	0.34	1.75	2.09	0.46	Na2O	0.66
Mg K	1.36	0.6705	2.04	0.24	2.17	3.38	0.40	MgO	0.81
Al K	3.62	0.7663	4.73	0.28	4.55	8.94	0.53	Al2O3	1.70
Si K	10.74	0.8108	13.25	0.40	12.25	28.35	0.86	SiO2	4.59
P K	0.16	0.9961	0.16	0.16	0.13	0.37	0.37	P2O5	0.05
S K	2.00	0.8375	2.39	0.22	1.94	5.97	0.55	SO3	0.73
K K	1.08	1.0660	1.01	0.16	0.67	1.22	0.19	K2O	0.25

Ca K	12.92	0.9861	13.10	0.40	8.49	18.33	0.56	CaO	3.18
Ti K	0.72	0.8005	0.90	0.24	0.49	1.50	0.40	TiO2	0.18
Cr K	0.06	0.8323	0.07 <	0.18	0.03	0.10 <	0.26	Cr2O3	0.01
Mn K	0.22	0.8132	0.26	0.22	0.13	0.34	0.28	MnO	0.05
Fe K	5.45	0.8344	6.53	0.48	3.04	8.40	0.62	FeO	1.14
Cu K	0.50	0.8036	0.63	0.36	0.26	0.79	0.45	CuO	0.10
Ba L	0.17	0.7665	0.22 <	0.54	0.04	0.25 <	0.60	BaO	0.01
Total			87.08+/- 3.19	CompSum		80.01+/- 1.85		CatSum	13.46
								An.Sum	24.00

Inferred phases: silicate glass

Table S462

Spectrum: 8 8-Nov-2013 03:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	101216	70.00/94.34	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.87	0.6247	31.79	2.28	54.54	-7.65	2.95	O	22.56
F K	0.49	0.2023	2.41	1.34	3.49	2.41	1.34	F	1.44
Na K	2.36	0.7814	3.03	0.40	3.61	4.08	0.54	Na2O	1.49
Mg K	0.93	0.6949	1.34	0.22	1.51	2.22	0.36	MgO	0.62
Al K	3.77	0.7976	4.72	0.28	4.80	8.92	0.53	Al2O3	1.99
Si K	12.11	0.8334	14.54	0.42	14.21	31.11	0.90	SiO2	5.88
P K	0.26	0.9951	0.26	0.16	0.23	0.60	0.37	P2O5	0.10
S K	5.55	0.8341	6.65	0.32	5.69	16.60	0.80	SO3	2.35
K K	4.50	1.0278	4.38	0.26	3.07	5.28	0.31	K2O	1.27
Ca K	6.52	0.9483	6.87	0.32	4.71	9.61	0.45	CaO	1.95
Ti K	0.92	0.8024	1.15	0.24	0.66	1.92	0.40	TiO2	0.27
Cr K	0.07	0.8344	0.09 <	0.18	0.05	0.13 <	0.26	Cr2O3	0.02
Mn K	0.18	0.8152	0.22	0.22	0.11	0.28	0.28	MnO	0.05
Fe K	5.38	0.8365	6.44	0.48	3.16	8.28	0.62	FeO	1.31
Cu K	0.30	0.8061	0.38	0.36	0.16	0.48	0.45	CuO	0.07
Ba L	0.00	0.7683	0.00	0.00	0.00			BaO	0.00
Total			84.25+/- 2.87	CompSum		89.51+/- 1.86		CatSum	17.36
								An.Sum	24.00

Inferred phases: silicate glass

Table S463

Spectrum: 9 8-Nov-2013 03:54 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	121783	70.00/100.03	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	60.77	0.9141	66.48	2.62	65.44	18.02	3.35	O	22.47
F K	1.01	0.1882	5.38	2.26	4.46	5.38	2.26	F	1.53
Na K	2.95	0.7651	3.85	0.48	2.64	5.19	0.65	Na2O	0.91
Mg K	1.66	0.6896	2.41	0.28	1.56	4.00	0.46	MgO	0.54
Al K	6.45	0.7867	8.19	0.36	4.78	15.47	0.68	Al2O3	1.64
Si K	20.53	0.8126	25.27	0.54	14.17	54.06	1.16	SiO2	4.87
P K	0.43	0.9480	0.45	0.18	0.23	1.03	0.41	P2O5	0.08
S K	1.73	0.8008	2.16	0.22	1.06	5.39	0.55	SO3	0.36
K K	2.60	1.0252	2.54	0.22	1.02	3.06	0.27	K2O	0.35

Ca K	4.90	0.9608	5.10	0.28	2.00	7.14	0.39	CaO	0.69
Ti K	1.03	0.8138	1.26	0.26	0.41	2.10	0.43	TiO2	0.14
Cr K	0.00	0.8352	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.08	0.8117	0.10 <	0.22	0.03	0.13 <	0.28	MnO	0.01
Fe K	6.24	0.8294	7.52	0.50	2.12	9.67	0.64	FeO	0.73
Cu K	0.05	0.7956	0.07 <	0.32	0.02	0.09 <	0.40	CuO	0.01
Ba L	0.27	0.7792	0.35 <	0.56	0.04	0.39 <	0.63	BaO	0.01
Total			131.14+/- 3.70	CompSum	107.73+/- 2.09			CatSum	10.33
								An.Sum	24.00

Inferred phases: silicate glass

Table S464

Spectrum: 10 8-Nov-2013 03:56 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	105131	70.00/95.39	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	35.72	1.0061	35.50	1.90	57.48	4.23	2.96	O	22.55
F K	0.72	0.2660	2.72	1.62	3.70	2.72	1.62	F	1.45
Na K	1.31	0.5245	2.50	0.52	2.82	3.37	0.70	Na2O	1.11
Mg K	1.10	0.5065	2.17	0.32	2.31	3.60	0.53	MgO	0.91
Al K	2.32	0.6179	3.76	0.30	3.61	7.10	0.57	Al2O3	1.42
Si K	4.16	0.7120	5.85	0.32	5.40	12.51	0.68	SiO2	2.12
P K	0.15	1.0135	0.15 <	0.16	0.13	0.34 <	0.37	P2O5	0.05
S K	1.50	0.8581	1.75	0.20	1.41	4.37	0.50	SO3	0.55
K K	1.14	1.1044	1.03	0.16	0.68	1.24	0.19	K2O	0.27
Ca K	0.99	1.0526	0.94	0.18	0.61	1.32	0.25	CaO	0.24
Ti K	5.56	0.9143	6.08	0.38	3.29	10.14	0.63	TiO2	1.29
Cr K	0.20	0.9612	0.21	0.18	0.11	0.31	0.26	Cr2O3	0.04
Mn K	0.16	0.8675	0.19 <	0.24	0.09	0.25 <	0.31	MnO	0.04
Fe K	33.64	0.8881	37.88	0.94	17.57	48.73	1.21	FeO	6.89
Cu K	1.58	0.8212	1.92	0.46	0.78	2.40	0.58	CuO	0.31
Ba L	0.10	0.8779	0.12 <	0.76	0.02	0.13 <	0.85	BaO	0.01
Total			102.76+/- 2.97	CompSum	95.82+/- 2.26			CatSum	15.23
								An.Sum	24.00

Inferred phases: silicate glass, Fe2TiO4

Table S465

Spectrum: 11 8-Nov-2013 03:58 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	92497	70.00/91.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	26.17	0.7985	32.77	2.04	54.79	-0.59 <	2.71	O	20.16
F K	1.59	0.2145	7.41	1.70	10.43	7.41	1.70	F	3.84
Na K	2.21	0.7570	2.91	0.38	3.39	3.92	0.51	Na2O	1.25
Mg K	0.95	0.6784	1.41	0.22	1.55	2.34	0.36	MgO	0.57
Al K	3.77	0.7802	4.83	0.28	4.79	9.13	0.53	Al2O3	1.76
Si K	11.86	0.8144	14.56	0.42	13.87	31.15	0.90	SiO2	5.10
P K	0.15	0.9682	0.16	0.16	0.14	0.37	0.37	P2O5	0.05
S K	3.20	0.8167	3.92	0.26	3.27	9.79	0.65	SO3	1.20
K K	2.76	1.0258	2.69	0.22	1.84	3.24	0.27	K2O	0.68

Ca K	3.41	0.9574	3.56	0.24	2.37	4.98	0.34	CaO	0.87
Ti K	0.85	0.8156	1.04	0.24	0.58	1.73	0.40	TiO2	0.21
Cr K	0.07	0.8416	0.09 <	0.16	0.04	0.13 <	0.23	Cr2O3	0.01
Mn K	0.13	0.8174	0.15 <	0.20	0.08	0.19 <	0.26	MnO	0.03
Fe K	4.99	0.8363	5.97	0.46	2.86	7.68	0.59	FeO	1.05
Cu K	0.00	0.8027	0.00	0.00	0.00			CuO	0.00
Ba L	0.01	0.7809	0.01 <	0.50	0.00	0.01 <	0.56	BaO	0.00
Total			81.48+/- 2.88		CompSum	74.66+/- 1.78		CatSum	12.80
								An.Sum	24.00

Inferred phases: silicate glass

Table S466

Spectrum: 12 8-Nov-2013 04:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	110362	70.00/96.82	6	20.00

Peak omited: 15.760 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	37.67	0.8767	42.96	2.26	56.65	3.60	3.13	O	20.01
F K	2.33	0.2289	10.16	1.90	11.29	10.16	1.90	F	3.99
Na K	4.33	0.7377	5.87	0.52	5.38	7.91	0.70	Na2O	1.90
Mg K	0.59	0.6245	0.95	0.24	0.82	1.58	0.40	MgO	0.29
Al K	3.78	0.7257	5.22	0.32	4.08	9.86	0.60	Al2O3	1.44
Si K	8.28	0.7841	10.56	0.38	7.94	22.59	0.81	SiO2	2.80
P K	0.16	1.0320	0.15 <	0.18	0.11	0.34 <	0.41	P2O5	0.04
S K	8.54	0.8592	9.94	0.38	6.54	24.82	0.95	SO3	2.31
K K	3.59	1.0376	3.46	0.24	1.87	4.17	0.29	K2O	0.66
Ca K	4.01	0.9725	4.12	0.28	2.17	5.76	0.39	CaO	0.77
Ti K	0.48	0.8259	0.58	0.36	0.26	0.97	0.60	TiO2	0.09
Cr K	0.03	0.8359	0.03 <	0.20	0.01	0.04 <	0.29	Cr2O3	0.00
Mn K	0.00	0.8185	0.00	0.00	0.00			MnO	0.00
Fe K	3.13	0.8382	3.74	0.38	1.41	4.81	0.49	FeO	0.50
Cu K	0.22	0.8164	0.26 <	0.36	0.09	0.33 <	0.45	CuO	0.03
Ba L	7.15	0.7908	9.04	0.82	1.39	10.09	0.92	BaO	0.49
Total			107.04+/- 3.27		CompSum	93.28+/- 2.17		CatSum	11.33
								An.Sum	24.00

Inferred phases: silicate glass, BaSO4

Table S467

Site: F2-3

Spectrum: 1 8-Nov-2013 04:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	136327	70.00/104.50	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.36	0.7812	3.02	0.88	9.05
F K	3.13	0.5017	6.23	0.80	15.73
Al K	0.08	0.4948	0.17 <	0.22	0.30
Si K	0.09	0.6222	0.15 <	0.18	0.26
S K	15.11	0.8421	17.95	0.50	26.82
Cl K	1.79	0.7729	2.32	0.26	3.13
K K	1.10	1.0241	1.07	0.18	1.31
Fe K	0.17	1.0823	0.16 <	0.22	0.13

Cu K	53.40	0.9307	57.37	1.50	43.27
Total			88.43+/- 2.04		

Inferred phases: Cu1.8S

Table S468

Spectrum: 3 8-Nov-2013 04:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	158261	70.00/111.01	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	4.62	0.7884	5.87	1.12	14.71
F K	4.56	0.4692	9.71	1.02	20.50
Al K	0.10	0.5134	0.20 <	0.26	0.30
Si K	0.05	0.6410	0.08 <	0.20	0.11
S K	16.74	0.8553	19.57	0.52	24.49
Cl K	2.31	0.7770	2.97	0.28	3.36
K K	1.28	1.0192	1.25	0.20	1.28
Fe K	0.15	1.0580	0.14 <	0.24	0.10
Cu K	51.01	0.9169	55.63	1.50	35.13
Total			95.42+/- 2.26		

Inferred phases: Cu1.8S

Table S469

Site: F2-4

Spectrum: 1 8-Nov-2013 05:03 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	88465	70.00/90.71	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	21.11	0.5980	35.32	2.28	72.81	12.05	2.64	O	24.00
Mg K	0.21	0.6141	0.34	0.16	0.47	0.56	0.27	MgO	0.15
S K	9.95	0.9781	10.17	0.34	10.46	25.39	0.85	SO3	3.45
K K	0.38	1.0790	0.35	0.12	0.30	0.42	0.14	K2O	0.10
Ca K	12.92	0.9927	13.02	0.40	10.71	18.22	0.56	CaO	3.53
Ti K	0.00	0.7940	0.00	0.00	0.00			TiO2	0.00
Mn K	0.78	0.8091	0.97	0.24	0.58	1.25	0.31	MnO	0.19
Fe K	6.27	0.8307	7.55	0.48	4.46	9.71	0.62	FeO	1.47
Cu K	0.33	0.7968	0.41	0.34	0.21	0.51	0.43	CuO	0.07
Total			68.12+/- 2.43	CompSum		56.08+/- 1.34		CatSum	8.96
								An.Sum	24.00

Inferred phases: $CaSO_4 \cdot 2H_2O$

Table S470

Spectrum: 2 8-Nov-2013 05:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	107777	70.00/96.36	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	43.33	1.5139	28.63	1.30	56.79	6.50	2.34	O	24.00
Mg K	3.51	0.4474	7.86	0.48	10.26	13.03	0.80	MgO	4.34

S	K	0.28	0.8578	0.33	0.16	0.33	0.82	0.40	SO3	0.14
K	K	0.05	1.1288	0.05 <	0.14	0.04	0.06 <	0.17	K2O	0.02
Ca	K	0.51	1.0851	0.47	0.16	0.37	0.66	0.22	CaO	0.16
Ti	K	0.06	0.9688	0.06 <	0.16	0.04	0.10 <	0.27	TiO2	0.02
Mn	K	5.35	0.9094	5.88	0.44	3.40	7.59	0.57	MnO	1.44
Fe	K	40.39	0.9319	43.34	1.02	24.63	55.76	1.31	FeO	10.41
Cu	K	6.95	0.8358	8.31	0.72	4.15	10.40	0.90	CuO	1.75
Total				94.93+/- 1.94		CompSum	88.43+/- 1.95		CatSum	18.27
									An.Sum	24.00

Inferred phases: (Mg,Fe,Cu,Mn)2FeO4

Table S471

Spectrum: 3 8-Nov-2013 05:07 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	126171	70.00/101.24	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	81.87	1.7204	47.58	1.58	70.51	27.57	2.43	O	24.00
Mg	K	1.38	0.4542	3.04	0.40	2.97	5.04	0.66	MgO	1.01
S	K	0.08	0.8841	0.09 <	0.16	0.07	0.22 <	0.40	SO3	0.02
K	K	0.00	1.1342	0.00	0.00	0.00			K2O	0.00
Ca	K	0.55	1.0856	0.51	0.16	0.30	0.71	0.22	CaO	0.10
Ti	K	0.05	0.9671	0.05 <	0.16	0.03	0.08 <	0.27	TiO2	0.01
Mn	K	2.67	0.8875	3.00	0.36	1.30	3.87	0.46	MnO	0.44
Fe	K	51.99	0.9053	57.44	1.14	24.38	73.90	1.47	FeO	8.30
Cu	K	0.99	0.8163	1.21	0.46	0.45	1.51	0.58	CuO	0.15
Total				112.93+/- 2.09		CompSum	85.35+/- 1.85		CatSum	10.04
									An.Sum	24.00

Inferred phases: (Mg,Fe,Cu,Mn)2FeO4

Table S472

Spectrum: 4 8-Nov-2013 05:09 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	76693	70.00/88.06	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	2.56	1.3150	1.95	0.36	10.28
Mg	K	0.05	0.3878	0.13	0.10	0.45
S	K	0.38	0.8719	0.44	0.10	1.15
K	K	0.09	1.1894	0.08 <	0.10	0.17
Ca	K	0.80	1.1559	0.69	0.14	1.46
Ti	K	0.45	1.0580	0.42	0.16	0.74
Mn	K	2.55	0.9653	2.64	0.32	4.06
Fe	K	52.90	0.9886	53.51	1.06	80.99
Cu	K	0.44	0.8582	0.52	0.36	0.69
Total				60.37+/- 1.25		

Inferred phases: native iron

Table S473

Spectrum: 5 8-Nov-2013 05:11 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)

.0 49.44 391667 106212 70.00/95.86 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	41.06	1.4507	28.31	1.28	56.48	5.79	2.30	O	24.00
Mg K	2.99	0.4457	6.72	0.44	8.82	11.14	0.73	MgO	3.75
S K	0.64	0.8634	0.74	0.18	0.74	1.85	0.45	SO3	0.31
K K	0.13	1.1319	0.11 <	0.14	0.09	0.13 <	0.17	K2O	0.04
Ca K	1.28	1.0864	1.18	0.18	0.94	1.65	0.25	CaO	0.40
Ti K	0.00	0.9669	0.00	0.00	0.00			TiO2	0.00
Mn K	5.23	0.9088	5.75	0.44	3.34	7.42	0.57	MnO	1.42
Fe K	41.96	0.9313	45.06	1.02	25.76	57.97	1.31	FeO	10.95
Cu K	6.36	0.8355	7.61	0.70	3.82	9.53	0.88	CuO	1.62
Total			95.48+/- 1.91		CompSum	89.69+/- 1.91		CatSum	18.49
								An.Sum	24.00

Inferred phases: (Mg,Fe,Cu,Mn)2FeO4

Table S474

Spectrum: 6 8-Nov-2013 05:13 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.44 391667 114430 70.00/98.21 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	61.51	1.5421	39.89	1.50	64.78	17.80	2.43	O	24.00
Mg K	4.21	0.4705	8.96	0.52	9.57	14.86	0.86	MgO	3.55
S K	0.36	0.8652	0.41	0.16	0.33	1.02	0.40	SO3	0.12
K K	0.08	1.1197	0.07 <	0.14	0.05	0.08 <	0.17	K2O	0.02
Ca K	1.19	1.0707	1.12	0.18	0.72	1.57	0.25	CaO	0.27
Ti K	0.00	0.9458	0.00	0.00	0.00			TiO2	0.00
Mn K	5.01	0.8900	5.63	0.44	2.66	7.27	0.57	MnO	0.99
Fe K	37.45	0.9108	41.12	0.98	19.13	52.90	1.26	FeO	7.09
Cu K	5.54	0.8242	6.72	0.70	2.75	8.41	0.88	CuO	1.02
Total			103.93+/- 2.06		CompSum	86.12+/- 1.92		CatSum	13.04
								An.Sum	24.00

Inferred phases: (Mg,Fe,Cu,Mn)2FeO4

Table S475

Site: F2-5
Spectrum: 1 8-Nov-2013 05:32 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.44 391667 87824 70.00/90.70 6 20.00
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.36	0.5231	2.60	0.94	13.01
F K	0.24	0.3322	0.71	0.46	3.00
Na K	0.48	0.4930	0.98	0.58	3.43
Mg K	0.06	0.4419	0.14 <	0.18	0.45
Al K	1.02	0.5597	1.82	0.24	5.41
Si K	3.49	0.6645	5.26	0.30	14.99
P K	0.12	0.9421	0.13 <	0.16	0.34
S K	2.85	0.8207	3.47	0.26	8.66
Cl K	3.07	0.8405	3.66	0.24	8.26

K	K	0.40	1.0579	0.38	0.22	0.78
Ca	K	1.39	1.0285	1.35	0.28	2.71
Cr	K	0.00	0.9203	0.00	0.00	0.00
Mn	K	0.17	0.9369	0.18 <	0.20	0.27
Fe	K	0.66	0.9927	0.66	0.24	0.95
Ni	K	10.27	0.9753	10.53	0.64	14.36
Cu	K	9.09	0.9241	9.84	0.76	12.40
Zn	K	3.41	0.9085	3.75	0.64	4.59
Sn	L	7.51	0.7935	9.47	0.84	6.39
Total				54.94+/- 2.02		

Inferred phases: silicate glass, unidentified sulfates of Fe, Ni, Cu, Zn

Table S476

Spectrum: 3 8-Nov-2013 05:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	109934	70.00/96.47	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	8.08	0.5340	15.14	1.80	40.75	-16.66	3.19	O	20.50
F	K	0.21	0.2555	0.84 <	0.92	1.90	0.84 <	0.92	F	0.96
Na	K	1.14	0.5943	1.92	0.78	3.59	2.59	1.05	Na2O	1.81
Mg	K	0.14	0.5168	0.27	0.22	0.47	0.45	0.36	MgO	0.24
Al	K	2.43	0.6371	3.82	0.30	6.09	7.22	0.57	Al2O3	3.06
Si	K	6.76	0.7190	9.40	0.38	14.42	20.11	0.81	SiO2	7.26
P	K	0.12	0.9654	0.12 <	0.18	0.17	0.27 <	0.41	P2O5	0.09
S	K	3.94	0.8307	4.74	0.28	6.36	11.84	0.70	SO3	3.20
Cl	K	3.50	0.8412	4.16	0.26	5.05	4.16	0.26	Cl	2.54
K	K	0.36	1.0467	0.34	0.26	0.38	0.41	0.31	K2O	0.19
Ca	K	1.83	1.0108	1.81	0.32	1.95	2.53	0.45	CaO	0.98
Cr	K	0.03	0.8804	0.03 <	0.18	0.02	0.04 <	0.26	Cr2O3	0.01
Mn	K	0.05	0.8870	0.05 <	0.20	0.04	0.06 <	0.26	MnO	0.02
Fe	K	1.40	0.9286	1.51	0.30	1.17	1.94	0.39	FeO	0.59
Ni	K	2.07	0.9358	2.21	0.40	1.62	2.81	0.51	NiO	0.82
Cu	K	11.30	0.8859	12.76	0.82	8.65	15.97	1.03	CuO	4.35
Zn	K	3.43	0.8870	3.87	0.64	2.55	4.82	0.80	ZnO	1.28
Sn	L	10.39	0.7822	13.28	0.98	4.82	16.86	1.24	SnO2	2.43
Total				76.27+/- 2.77		CompSum	87.93+/- 2.64		CatSum	26.31
									An.Sum	24.00

Inferred phases: silicate glass, unidentified sulfates of Fe, Ni, Cu, Zn

Table S477

Spectrum: 4 8-Nov-2013 05:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	93534	70.00/92.22	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	2.01	0.5931	3.38	1.02	15.32
F	K	0.58	0.3680	1.59	0.58	6.06
Na	K	0.34	0.4738	0.72	0.70	2.28
Mg	K	0.05	0.4076	0.13 <	0.20	0.38
Al	K	0.13	0.5236	0.26	0.16	0.69
Si	K	0.52	0.6498	0.80	0.18	2.07

P	K	0.19	1.0014	0.19	0.14	0.45
S	K	7.91	0.8592	9.21	0.36	20.81
Cl	K	3.72	0.8149	4.57	0.28	9.34
K	K	0.35	1.0347	0.33	0.20	0.62
Ca	K	0.62	1.0132	0.61	0.24	1.11
Cr	K	0.07	0.9418	0.07 <	0.18	0.10
Mn	K	0.00	0.9600	0.00	0.00	0.00
Fe	K	0.38	1.0198	0.37	0.24	0.48
Ni	K	0.42	0.9887	0.43	0.30	0.53
Cu	K	26.14	0.9317	28.06	1.10	32.01
Zn	K	3.37	0.9353	3.60	0.66	3.99
Sn	L	4.79	0.7790	6.15	0.74	3.75
Total				60.48+/- 2.16		

Inferred phases: unidentified sulfates of Fe, Ni, Cu, Zn

Table S478

Spectrum: 5 8-Nov-2013 05:40 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	100068	70.00/93.72	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	9.24	0.6307	14.65	1.70	42.44	7.24	2.75	O	13.38
F	K	0.89	0.2618	3.40	1.10	8.28	3.40	1.10	F	2.61
Na	K	3.35	0.6800	4.93	1.02	9.93	6.65	1.37	Na2O	3.13
Mg	K	0.25	0.5075	0.50	0.26	0.94	0.83	0.43	MgO	0.30
Al	K	0.11	0.6278	0.17 <	0.18	0.29	0.32 <	0.34	Al2O3	0.09
Si	K	0.19	0.7507	0.25	0.16	0.41	0.53	0.34	SiO2	0.13
P	K	0.12	1.1210	0.11 <	0.14	0.16	0.25 <	0.32	P2O5	0.05
S	K	0.71	0.9369	0.76	0.16	1.09	1.90	0.40	SO3	0.34
Cl	K	18.15	0.9332	19.45	0.46	25.42	19.45	0.46	Cl	8.01
K	K	0.88	0.9521	0.92	0.20	1.10	1.11	0.24	K2O	0.35
Ca	K	0.15	0.9258	0.17	0.16	0.19	0.24	0.22	CaO	0.06
Cr	K	0.00	0.8701	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.07	0.8730	0.08 <	0.18	0.07	0.10 <	0.23	MnO	0.02
Fe	K	0.02	0.9092	0.03 <	0.20	0.02	0.04 <	0.26	FeO	0.01
Ni	K	0.46	0.9653	0.47	0.26	0.37	0.60	0.33	NiO	0.12
Cu	K	0.82	0.8563	0.96	0.36	0.70	1.20	0.45	CuO	0.22
Zn	K	10.22	0.8562	11.93	0.86	8.46	14.85	1.07	ZnO	2.67
Sn	L	0.20	0.7164	0.27 <	0.52	0.11	0.34 <	0.66	SnO2	0.03
Total				59.05+/- 2.62	CompSum		28.96+/- 2.17		CatSum	7.51
									An.Sum	24.00

Inferred phases: NaZnCl3

Table S479

Spectrum: 8 8-Nov-2013 05:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	82361	70.00/89.32	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%
O	K	3.81	0.5701	6.69	1.24	28.47
F	K	0.76	0.3043	2.51	0.74	9.00
Na	K	1.88	0.6566	2.86	0.80	8.48

Mg K	0.13	0.4923	0.27	0.20	0.75
Al K	0.24	0.6144	0.39	0.16	0.98
Si K	0.94	0.7345	1.27	0.18	3.09
P K	0.18	1.0791	0.17	0.14	0.38
S K	0.65	0.9116	0.72	0.16	1.52
Cl K	14.62	0.9178	15.92	0.42	30.59
K K	0.92	0.9473	0.97	0.20	1.69
Ca K	0.21	0.9246	0.23	0.16	0.38
Cr K	0.02	0.8850	0.02 <	0.16	0.03
Mn K	0.00	0.8899	0.00	0.00	0.00
Fe K	0.36	0.9302	0.39	0.20	0.48
Ni K	0.32	0.9942	0.32	0.24	0.37
Cu K	0.91	0.8749	1.04	0.36	1.12
Zn K	10.53	0.8760	12.02	0.86	12.52
Sn L	0.21	0.7147	0.29 <	0.52	0.17
Total			46.08+/- 2.09		

Inferred phases: NaZnCl3

Table S480

Spectrum: 9 8-Nov-2013 05:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	110815	70.00/96.83	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	3.27	0.5184	6.31	1.38	23.58
F K	0.43	0.3008	1.44	0.72	4.54
Na K	0.27	0.4650	0.58 <	0.80	1.51
Mg K	0.17	0.4293	0.40	0.24	0.97
Al K	0.90	0.5435	1.66	0.26	3.68
Si K	2.47	0.6563	3.77	0.28	8.02
P K	0.08	0.9734	0.08 <	0.18	0.15
S K	3.79	0.8444	4.49	0.28	8.37
Cl K	3.07	0.8634	3.55	0.26	5.98
K K	0.13	1.0868	0.12 <	0.26	0.19
Ca K	1.15	1.0557	1.09	0.34	1.63
Cr K	0.00	0.9205	0.00	0.00	0.00
Mn K	0.15	0.9384	0.15 <	0.22	0.17
Fe K	0.85	0.9951	0.86	0.28	0.92
Ni K	16.71	0.9785	17.08	0.80	17.38
Cu K	10.40	0.9311	11.17	0.82	10.50
Zn K	3.70	0.9118	4.06	0.70	3.71
Sn L	14.06	0.8143	17.27	1.04	8.69
Total			74.09+/- 2.58		

Inferred phases: silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn

Table S481

Spectrum: 10 8-Nov-2013 05:50 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	83231	70.00/89.12	6	20.00

Counted by INCA

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%

O	K	3.12	0.5374	5.81	1.18	22.47
F	K	0.95	0.3089	3.08	0.68	10.03
Na	K	0.79	0.6125	1.28	0.48	3.45
Mg	K	0.05	0.5299	0.10 <	0.16	0.25
Al	K	2.76	0.6526	4.23	0.28	9.71
Si	K	7.23	0.7103	10.19	0.38	22.44
P	K	0.09	0.9006	0.10 <	0.14	0.20
S	K	1.94	0.7860	2.47	0.22	4.77
Cl	K	1.58	0.8167	1.93	0.20	3.37
K	K	0.37	1.0404	0.35	0.20	0.56
Ca	K	2.44	1.0037	2.43	0.30	3.76
Cr	K	0.03	0.8853	0.04 <	0.16	0.04
Mn	K	0.09	0.8920	0.10 <	0.18	0.11
Fe	K	0.92	0.9343	0.98	0.26	1.09
Ni	K	1.84	0.9374	1.96	0.36	2.07
Cu	K	8.39	0.8858	9.47	0.72	9.22
Zn	K	2.58	0.8858	2.91	0.56	2.76
Sn	L	5.55	0.7766	7.15	0.78	3.73
Total				54.59+/- 2.07		

Inferred phases: silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn

Table S482

Spectrum: 11 8-Nov-2013 05:52 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	120001	70.00/99.68	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	15.71	0.6848	22.94	1.92	44.79	-12.60	3.15	O	19.23
F	K	0.48	0.2648	1.80	1.10	2.95	1.80	1.10	F	1.27
Na	K	3.09	0.7272	4.24	0.88	5.77	5.72	1.19	Na2O	2.48
Mg	K	0.09	0.5850	0.16 <	0.24	0.21	0.27 <	0.40	MgO	0.09
Al	K	4.07	0.7091	5.73	0.34	6.64	10.83	0.64	Al2O3	2.85
Si	K	11.25	0.7565	14.88	0.46	16.55	31.83	0.98	SiO2	7.11
P	K	0.10	0.9345	0.10 <	0.18	0.10	0.23 <	0.41	P2O5	0.04
S	K	3.42	0.8024	4.27	0.28	4.16	10.66	0.70	SO3	1.79
Cl	K	7.51	0.8118	9.25	0.38	8.15	9.25	0.38	Cl	3.50
K	K	0.84	0.9763	0.86	0.22	0.69	1.04	0.27	K2O	0.30
Ca	K	1.97	0.9422	2.09	0.24	1.63	2.92	0.34	CaO	0.70
Cr	K	0.00	0.8638	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.00	0.8640	0.00	0.00	0.00			MnO	0.00
Fe	K	0.62	0.8990	0.69	0.24	0.39	0.89	0.31	FeO	0.17
Ni	K	0.20	0.9131	0.22 <	0.28	0.12	0.28 <	0.36	NiO	0.05
Cu	K	7.45	0.8425	8.84	0.70	4.35	11.07	0.88	CuO	1.87
Zn	K	5.87	0.8425	6.97	0.74	3.33	8.68	0.92	ZnO	1.43
Sn	L	0.51	0.7303	0.69	0.60	0.18	0.88	0.76	SnO2	0.08
Total				83.74+/- 2.82		CompSum	85.28+/- 2.49		CatSum	18.95
									An.Sum	24.00

Inferred phases: silicate glass, unidentified sulfates and chlorides of Fe, Ni, Cu, Zn

Table S483

Site: F2-6

Spectrum: Spectrum 1 8-Nov-2013 06:05 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	149389	70.00/108.39	6	20.00

Peak omited: 7.500 keV
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	8.13	0.6360	12.79	1.36	27.41
Al K	0.44	0.7453	0.60	0.20	0.76
Si K	0.66	0.8615	0.77	0.18	0.93
S K	45.38	0.9905	45.81	0.70	48.98
Ca K	0.22	0.9357	0.24	0.16	0.20
Fe K	31.29	0.8845	35.37	0.94	21.71
Total			95.58+/- 1.82		

Inferred phases: FeS2

Table S484

Spectrum: Spectrum 2 8-Nov-2013 06:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.44	391667	144729	70.00/107.02	6	20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	3.42	0.6134	5.57	1.08	13.93
Al K	0.06	0.7292	0.08 <	0.16	0.13
Si K	0.21	0.8546	0.24	0.14	0.34
S K	45.81	0.9958	46.00	0.70	57.40
Ca K	0.26	0.9400	0.28	0.16	0.28
Fe K	34.91	0.8959	38.96	0.98	27.92
Total			91.14+/- 1.64		

Inferred phases: FeS2

Table S485

Site: F2-7
Spectrum: 1 8-Nov-2013 07:00 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	124509	70.00/100.55	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	60.74	0.9543	63.64	2.48	61.63	16.75	3.15	O	21.01
F K	2.12	0.1994	10.62	2.16	8.66	10.62	2.16	F	2.95
Na K	3.07	0.7616	4.03	0.46	2.72	5.43	0.62	Na2O	0.93
Mg K	2.22	0.6866	3.23	0.30	2.06	5.36	0.50	MgO	0.70
Al K	7.21	0.7774	9.27	0.38	5.32	17.52	0.72	Al2O3	1.81
Si K	20.45	0.7979	25.63	0.54	14.14	54.83	1.16	SiO2	4.82
P K	0.39	0.9349	0.41	0.18	0.21	0.94	0.41	P2O5	0.07
S K	0.03	0.7931	0.03 <	0.14	0.02	0.07 <	0.35	SO3	0.01
Cl K	0.20	0.8321	0.24	0.14	0.10	0.24	0.14	Cl	0.03
K K	2.28	1.0278	2.22	0.20	0.88	2.67	0.24	K2O	0.30
Ca K	4.39	0.9644	4.55	0.26	1.76	6.37	0.36	CaO	0.60
Ti K	1.09	0.8172	1.33	0.22	0.43	2.22	0.37	TiO2	0.15
V K	0.05	0.8138	0.07 <	0.18	0.02	0.12 <	0.32	V2O5	0.01
Cr K	0.00	0.8377	0.00	0.00	0.00			Cr2O3	0.00

Mn	K	0.11	0.8138	0.13 <	0.20	0.04	0.17 <	0.26	MnO	0.01
Fe	K	5.99	0.8313	7.21	0.48	2.00	9.28	0.62	FeO	0.68
Cu	K	0.07	0.7968	0.09 <	0.30	0.02	0.11 <	0.38	CuO	0.01
Total				132.71+/- 3.49		CompSum	105.09+/- 1.95		CatSum	10.10
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S486

Spectrum: 2 8-Nov-2013 07:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	108265	70.00/96.05	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	31.23	0.8245	37.87	2.06	51.41	-3.76	2.74	O	19.53
F	K	2.25	0.2294	9.83	1.54	11.23	9.83	1.54	F	4.27
Na	K	3.08	0.7907	3.90	0.42	3.68	5.26	0.57	Na2O	1.40
Mg	K	1.39	0.6985	1.99	0.24	1.78	3.30	0.40	MgO	0.68
Al	K	6.39	0.7946	8.05	0.34	6.48	15.21	0.64	Al2O3	2.46
Si	K	18.53	0.8019	23.11	0.52	17.87	49.44	1.11	SiO2	6.79
P	K	0.25	0.9074	0.27	0.18	0.19	0.62	0.41	P2O5	0.07
S	K	0.10	0.7771	0.14	0.14	0.09	0.35	0.35	SO3	0.03
Cl	K	0.74	0.8206	0.90	0.16	0.55	0.90	0.16	Cl	0.21
K	K	2.20	1.0212	2.16	0.20	1.20	2.60	0.24	K2O	0.46
Ca	K	3.96	0.9601	4.12	0.26	2.23	5.76	0.36	CaO	0.85
Ti	K	0.92	0.8179	1.12	0.20	0.51	1.87	0.33	TiO2	0.19
V	K	0.06	0.8172	0.07 <	0.18	0.03	0.12 <	0.32	V2O5	0.01
Cr	K	0.00	0.8433	0.00	0.00	0.00			Cr2O3	0.00
Mn	K	0.19	0.8192	0.23	0.20	0.09	0.30	0.26	MnO	0.03
Fe	K	5.71	0.8380	6.82	0.46	2.65	8.77	0.59	FeO	1.01
Cu	K	0.00	0.8042	0.00	0.00	0.00			CuO	0.00
Total				100.57+/- 2.78		CompSum	93.61+/- 1.80		CatSum	13.98
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S487

Spectrum: 3 8-Nov-2013 07:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	120833	70.00/99.49	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	47.73	0.8839	53.99	2.34	59.26	8.47	3.03	O	21.02
F	K	1.83	0.2050	8.91	1.88	8.23	8.91	1.88	F	2.92
Na	K	2.69	0.7652	3.51	0.44	2.68	4.73	0.59	Na2O	0.95
Mg	K	1.77	0.6909	2.56	0.28	1.85	4.25	0.46	MgO	0.66
Al	K	6.67	0.7855	8.49	0.36	5.52	16.04	0.68	Al2O3	1.96
Si	K	20.01	0.8041	24.88	0.54	15.56	53.23	1.16	SiO2	5.52
P	K	0.53	0.9287	0.57	0.18	0.32	1.31	0.41	P2O5	0.11
S	K	0.11	0.7887	0.15	0.14	0.08	0.37	0.35	SO3	0.03
Cl	K	0.28	0.8290	0.34	0.14	0.17	0.34	0.14	Cl	0.06
K	K	2.42	1.0280	2.36	0.20	1.06	2.84	0.24	K2O	0.38
Ca	K	4.85	0.9640	5.03	0.28	2.20	7.04	0.39	CaO	0.78
Ti	K	1.08	0.8172	1.32	0.22	0.48	2.20	0.37	TiO2	0.17

V	K	0.00	0.8152	0.00	0.00	0.00			V2O5	0.00
Cr	K	0.13	0.8403	0.16 <	0.18	0.05	0.23 <	0.26	Cr2O3	0.02
Mn	K	0.18	0.8158	0.22	0.20	0.07	0.28	0.26	MnO	0.02
Fe	K	6.47	0.8337	7.76	0.48	2.44	9.98	0.62	FeO	0.87
Cu	K	0.06	0.7993	0.07 <	0.32	0.02	0.09 <	0.40	CuO	0.01
Total				120.30+/- 3.22		CompSum	102.60+/- 1.92		CatSum	11.47
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S488

Spectrum: 4 8-Nov-2013 07:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	94536	70.00/92.06	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	20.64	0.5453	37.85	2.64	69.86	17.63	2.98	O	22.13
F	K	0.50	0.1474	3.41	1.60	5.30	3.41	1.60	F	1.68
Na	K	0.47	0.7013	0.67	0.32	0.85	0.90	0.43	Na2O	0.27
Mg	K	0.33	0.6663	0.49	0.18	0.60	0.81	0.30	MgO	0.19
Al	K	0.40	0.7824	0.51	0.14	0.56	0.96	0.26	Al2O3	0.18
Si	K	1.53	0.8789	1.74	0.18	1.83	3.72	0.39	SiO2	0.58
P	K	8.87	1.2090	7.33	0.32	6.99	16.80	0.73	P2O5	2.21
S	K	0.38	0.8795	0.43	0.14	0.40	1.07	0.35	SO3	0.13
Cl	K	0.64	0.9008	0.71	0.14	0.59	0.71	0.14	Cl	0.19
K	K	0.28	1.0990	0.26	0.10	0.19	0.31	0.12	K2O	0.06
Ca	K	16.44	0.9935	16.55	0.44	12.19	23.16	0.62	CaO	3.86
Ti	K	0.04	0.7721	0.05 <	0.14	0.03	0.08 <	0.23	TiO2	0.01
V	K	0.17	0.7745	0.22	0.16	0.13	0.39	0.29	V2O5	0.04
Cr	K	0.00	0.8022	0.00 <	0.16	0.00	0.00 <	0.23	Cr2O3	0.00
Mn	K	0.04	0.7944	0.05 <	0.18	0.03	0.06 <	0.23	MnO	0.01
Fe	K	0.67	0.8156	0.82	0.24	0.44	1.05	0.31	FeO	0.14
Cu	K	0.00	0.7939	0.00	0.00	0.00			CuO	0.00
Total				71.09+/- 3.20		CompSum	49.34+/- 1.37		CatSum	7.68
									An.Sum	24.00

Inferred phases: Ca5(PO4)3(F,OH)

Table S489

Spectrum: 5 8-Nov-2013 07:08 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	109256	70.00/96.29	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	44.55	0.9271	48.06	2.18	70.46	18.07	2.73	O	23.71
F	K	0.07	0.1797	0.38 <	1.84	0.46	0.38 <	1.84	F	0.15
Na	K	1.44	0.7297	1.97	0.38	2.01	2.66	0.51	Na2O	0.68
Mg	K	0.67	0.6721	1.00	0.22	0.97	1.66	0.36	MgO	0.33
Al	K	2.63	0.7810	3.37	0.26	2.93	6.37	0.49	Al2O3	0.99
Si	K	14.98	0.8347	17.95	0.44	14.99	38.40	0.94	SiO2	5.04
P	K	0.48	0.9571	0.50	0.18	0.38	1.15	0.41	P2O5	0.13
S	K	0.08	0.8063	0.10 <	0.12	0.08	0.25 <	0.30	SO3	0.03
Cl	K	0.51	0.8426	0.60	0.14	0.40	0.60	0.14	Cl	0.13
K	K	4.06	1.0308	3.94	0.24	2.36	4.75	0.29	K2O	0.79

Ca K	2.02	0.9547	2.12	0.22	1.24	2.97	0.31	CaO	0.42
Ti K	0.43	0.8182	0.53	0.16	0.26	0.88	0.27	TiO2	0.09
V K	0.07	0.8172	0.08 <	0.16	0.04	0.14 <	0.29	V2O5	0.01
Cr K	0.02	0.8456	0.03 <	0.14	0.01	0.04 <	0.20	Cr2O3	0.00
Mn K	0.05	0.8142	0.06 <	0.18	0.03	0.08 <	0.23	MnO	0.01
Fe K	6.56	0.8320	7.88	0.48	3.31	10.14	0.62	FeO	1.11
Cu K	0.14	0.7945	0.18 <	0.28	0.07	0.23 <	0.35	CuO	0.02
Total			88.75+/- 3.03	CompSum		69.70+/- 1.65		CatSum	9.65
								An.Sum	24.00

Inferred phases: silicate glass

Table S490

Spectrum: 6 8-Nov-2013 07:10 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	74623	70.00/86.91	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.18	0.9142	18.78	1.44	69.13	8.07	1.83	O	22.47
F K	0.22	0.1779	1.25	1.24	3.88	1.25	1.24	F	1.26
Na K	0.73	0.7251	1.01	0.28	2.58	1.36	0.38	Na2O	0.84
Mg K	0.25	0.6601	0.38	0.16	0.93	0.63	0.27	MgO	0.30
Al K	1.18	0.7700	1.53	0.18	3.35	2.89	0.34	Al2O3	1.09
Si K	4.56	0.8204	5.56	0.26	11.66	11.89	0.56	SiO2	3.79
P K	0.28	0.9887	0.28	0.14	0.53	0.64	0.32	P2O5	0.17
S K	0.20	0.8250	0.25	0.12	0.45	0.62	0.30	SO3	0.15
Cl K	0.43	0.8529	0.50	0.12	0.84	0.50	0.12	Cl	0.27
K K	1.42	1.0340	1.37	0.16	2.07	1.65	0.19	K2O	0.67
Ca K	1.01	0.9579	1.06	0.16	1.55	1.48	0.22	CaO	0.50
Ti K	0.26	0.8152	0.32	0.14	0.39	0.53	0.23	TiO2	0.13
V K	0.07	0.8127	0.08 <	0.12	0.10	0.14 <	0.21	V2O5	0.03
Cr K	0.00	0.8378	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.03	0.8133	0.04 <	0.14	0.04	0.05 <	0.18	MnO	0.01
Fe K	1.75	0.8318	2.10	0.28	2.22	2.70	0.36	FeO	0.72
Cu K	0.26	0.7956	0.32	0.26	0.30	0.40	0.33	CuO	0.10
Total			34.84+/- 2.03	CompSum		25.01+/- 1.13		CatSum	8.50
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S491

Spectrum: 7 8-Nov-2013 07:12 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	122925	70.00/100.34	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	62.46	0.9283	67.27	2.50	68.31	20.63	3.15	O	23.47
F K	0.31	0.1805	1.74 <	1.94	1.49	1.74 <	1.94	F	0.51
Na K	2.44	0.7796	3.12	0.44	2.21	4.21	0.59	Na2O	0.76
Mg K	1.78	0.7059	2.52	0.28	1.69	4.18	0.46	MgO	0.58
Al K	7.40	0.7988	9.27	0.38	5.58	17.52	0.72	Al2O3	1.92
Si K	21.10	0.8088	26.09	0.54	15.09	55.81	1.16	SiO2	5.18
P K	0.37	0.9294	0.39	0.18	0.21	0.89	0.41	P2O5	0.07
S K	0.10	0.7886	0.12 <	0.14	0.06	0.30 <	0.35	SO3	0.02

Cl	K	0.09	0.8273	0.11 <	0.12	0.05	0.11 <	0.12	Cl	0.02
K	K	2.18	1.0234	2.13	0.20	0.88	2.57	0.24	K2O	0.30
Ca	K	4.50	0.9601	4.69	0.26	1.90	6.56	0.36	CaO	0.65
Ti	K	1.06	0.8129	1.31	0.22	0.44	2.19	0.37	TiO2	0.15
V	K	0.01	0.8098	0.01 <	0.18	0.00	0.02 <	0.32	V2O5	0.00
Cr	K	0.02	0.8337	0.02 <	0.18	0.01	0.03 <	0.26	Cr2O3	0.00
Mn	K	0.15	0.8102	0.18 <	0.20	0.05	0.23 <	0.26	MnO	0.02
Fe	K	5.75	0.8276	6.95	0.48	2.02	8.94	0.62	FeO	0.69
Cu	K	0.00	0.7936	0.00	0.00	0.00			CuO	0.00
Total				125.93+/- 3.36		CompSum	103.44+/- 1.91		CatSum	10.36
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S492

Spectrum: 8 8-Nov-2013 07:14 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	102885	70.00/94.72	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	24.63	1.0247	24.02	1.52	49.06	-3.32	2.56	O	22.02
F	K	0.79	0.3229	2.45	1.10	4.21	2.45	1.10	F	1.89
Na	K	1.09	0.4776	2.28	0.50	3.24	3.07	0.67	Na2O	1.45
Mg	K	0.80	0.4634	1.73	0.28	2.33	2.87	0.46	MgO	1.05
Al	K	1.66	0.5770	2.88	0.28	3.48	5.44	0.53	Al2O3	1.56
Si	K	2.91	0.6815	4.27	0.28	4.96	9.13	0.60	SiO2	2.23
P	K	0.09	0.9962	0.09 <	0.16	0.09	0.21 <	0.37	P2O5	0.04
S	K	0.00	0.8524	0.00	0.00	0.00			SO3	0.00
Cl	K	0.20	0.8995	0.22	0.14	0.21	0.22	0.14	Cl	0.09
K	K	0.53	1.1267	0.47	0.14	0.39	0.57	0.17	K2O	0.18
Ca	K	0.50	1.0814	0.46	0.16	0.38	0.64	0.22	CaO	0.17
Ti	K	5.31	0.9482	5.60	0.32	3.82	9.34	0.53	TiO2	1.71
V	K	0.42	0.9679	0.43	0.22	0.28	0.77	0.39	V2O5	0.13
Cr	K	0.07	1.0091	0.07 <	0.18	0.04	0.10 <	0.26	Cr2O3	0.02
Mn	K	0.34	0.8925	0.38	0.24	0.22	0.49	0.31	MnO	0.10
Fe	K	39.10	0.9155	42.71	0.98	24.99	54.95	1.26	FeO	11.21
Cu	K	3.73	0.8350	4.47	0.58	2.30	5.60	0.73	CuO	1.03
Total				92.52+/- 2.37		CompSum	93.18+/- 2.06		CatSum	20.88
									An.Sum	24.00

Inferred phases: Fe2O3, altered silicate glass

Table S493

Site: F10-11

Spectrum: Spectrum 1 8-Nov-2013 08:18 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.26	391642	117067	70.00/98.77	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	38.65	1.4109	27.39	1.20	69.50	9.84	2.08	O	24.00
Na	K	2.82	0.6176	4.56	0.52	8.06	6.15	0.70	Na2O	2.78
S	K	6.21	0.8704	7.13	0.32	9.03	17.80	0.80	SO3	3.12
Co	K	0.06	0.8828	0.07 <	0.28	0.05	0.09 <	0.36	CoO	0.02
Ba	L	40.73	0.9008	45.22	1.14	13.37	50.49	1.27	BaO	4.62

Total 84.37+/- 1.79 CompSum 74.53+/- 1.70 CatSum 10.54
An.Sum 24.00

Inferred phases: BaSO4

Table S494

Spectrum: Spectrum 2 8-Nov-2013 08:21 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.26 391642 109577 70.00/96.42 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	32.03	1.3838	23.15	1.12	65.48	6.34	1.95	O	24.00
Na K	3.86	0.6329	6.09	0.52	11.99	8.21	0.70	Na2O	4.39
S K	5.85	0.8687	6.74	0.32	9.51	16.83	0.80	SO3	3.49
Co K	0.00	0.8824	0.00	0.00	0.00			CoO	0.00
Ba L	35.47	0.8981	39.49	1.06	13.01	44.09	1.18	BaO	4.77
Total			75.47+/- 1.66	CompSum		69.13+/- 1.59		CatSum	12.65
								An.Sum	24.00

Inferred phases: BaSO4

Table S495

Site: F2-1

Spectrum: 1 15-апр-2014 04:37 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.55 391318 98226 70.00/93.36 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	38.62	1.1953	32.31	1.70	56.95	6.04	2.70	O	22.69
F K	0.61	0.2974	2.04	1.74	3.03	2.04	1.74	F	1.21
Na K	0.62	0.4801	1.30	0.48	1.60	1.75	0.65	Na2O	0.64
Mg K	0.65	0.4790	1.36	0.34	1.58	2.26	0.56	MgO	0.63
Al K	1.65	0.5968	2.77	0.32	2.89	5.23	0.60	Al2O3	1.15
Si K	3.89	0.7012	5.55	0.34	5.57	11.87	0.73	SiO2	2.22
P K	0.11	1.0056	0.11 <	0.18	0.10	0.25 <	0.41	P2O5	0.04
S K	0.05	0.8558	0.06 <	0.14	0.06	0.15 <	0.35	SO3	0.02
Cl K	0.28	0.8988	0.31	0.16	0.25	0.31	0.16	Cl	0.10
K K	0.61	1.1186	0.55	0.16	0.40	0.66	0.19	K2O	0.16
Ca K	2.95	1.0662	2.77	0.24	1.95	3.88	0.34	CaO	0.78
Ti K	0.41	0.9356	0.44	0.20	0.26	0.73	0.33	TiO2	0.10
Mn K	1.30	0.8828	1.47	0.30	0.76	1.90	0.39	MnO	0.30
Fe K	43.96	0.9019	48.74	1.12	24.61	62.70	1.44	FeO	9.81
Total			99.79+/- 2.83	CompSum		91.39+/- 2.10		CatSum	15.85
								An.Sum	24.00

Inferred phases: Fe2O3, altered silicate glass

Table S496

Spectrum: 2 15-апр-2014 04:39 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.55 391318 95305 70.00/92.47 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O	K	29.01	0.5713	50.78	2.92	65.23	13.98	3.42	O	21.64
F	K	1.02	0.1587	6.40	1.90	6.92	6.40	1.90	F	2.30
Na	K	0.41	0.7167	0.57	0.32	0.51	0.77	0.43	Na2O	0.17
Mg	K	1.42	0.6828	2.08	0.28	1.76	3.45	0.46	MgO	0.58
Al	K	2.49	0.7811	3.19	0.28	2.43	6.03	0.53	Al2O3	0.81
Si	K	6.58	0.8482	7.76	0.34	5.68	16.60	0.73	SiO2	1.88
P	K	0.05	1.1171	0.05 <	0.16	0.03	0.11 <	0.37	P2O5	0.01
S	K	9.16	0.9102	10.06	0.38	6.45	25.12	0.95	SO3	2.14
Cl	K	0.27	0.8548	0.32	0.16	0.18	0.32	0.16	Cl	0.06
K	K	0.43	1.0595	0.41	0.16	0.21	0.49	0.19	K2O	0.07
Ca	K	17.89	0.9759	18.33	0.50	9.40	25.65	0.70	CaO	3.12
Ti	K	0.26	0.7802	0.33	0.18	0.14	0.55	0.30	TiO2	0.05
Mn	K	0.24	0.7985	0.30	0.20	0.11	0.39	0.26	MnO	0.04
Fe	K	2.07	0.8190	2.52	0.36	0.93	3.24	0.46	FeO	0.31
Total				103.11+/- 3.63		CompSum	82.40+/- 1.77		CatSum	9.17
									An.Sum	24.00

Inferred phases: $CaSO_4 \cdot 2H_2O$, altered silicate glass

Table S497

Spectrum: 3 15-апр-2014 04:41 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	103806	70.00/94.57	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	48.34	0.8508	56.81	2.56	58.83	15.20	3.20	O	19.83
F	K	2.75	0.1981	13.90	2.22	12.12	13.90	2.22	F	4.09
Na	K	2.77	0.7435	3.72	0.46	2.68	5.01	0.62	Na2O	0.90
Mg	K	1.99	0.6758	2.94	0.32	2.00	4.88	0.53	MgO	0.67
Al	K	5.99	0.7698	7.78	0.40	4.78	14.70	0.76	Al2O3	1.61
Si	K	17.52	0.8012	21.87	0.54	12.90	46.79	1.16	SiO2	4.35
P	K	0.43	0.9564	0.45	0.18	0.24	1.03	0.41	P2O5	0.08
S	K	0.17	0.8077	0.21	0.14	0.11	0.52	0.35	SO3	0.04
Cl	K	0.45	0.8438	0.54	0.16	0.25	0.54	0.16	Cl	0.08
K	K	3.13	1.0369	3.02	0.24	1.28	3.64	0.29	K2O	0.43
Ca	K	6.04	0.9656	6.26	0.32	2.59	8.76	0.45	CaO	0.87
Ti	K	0.95	0.8129	1.16	0.22	0.40	1.93	0.37	TiO2	0.13
Mn	K	0.08	0.8130	0.10 <	0.20	0.03	0.13 <	0.26	MnO	0.01
Fe	K	5.01	0.8308	6.03	0.46	1.79	7.76	0.59	FeO	0.60
Total				124.78+/- 3.58		CompSum	95.15+/- 1.92		CatSum	9.71
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S498

Spectrum: 4 15-апр-2014 04:43 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	100077	70.00/93.86	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	46.70	0.8438	55.34	2.52	62.65	16.68	3.14	O	21.28
F	K	1.55	0.1886	8.24	2.04	7.86	8.24	2.04	F	2.67
Na	K	2.04	0.7442	2.74	0.42	2.16	3.69	0.57	Na2O	0.73

Mg K	1.80	0.6828	2.64	0.30	1.97	4.38	0.50	MgO	0.67
Al K	5.94	0.7765	7.65	0.38	5.14	14.45	0.72	Al2O3	1.75
Si K	16.08	0.8018	20.05	0.52	12.93	42.89	1.11	SiO2	4.39
P K	0.35	0.9577	0.36	0.18	0.21	0.82	0.41	P2O5	0.07
S K	0.23	0.8089	0.28	0.14	0.16	0.70	0.35	SO3	0.05
Cl K	0.23	0.8445	0.27	0.14	0.14	0.27	0.14	Cl	0.05
K K	4.73	1.0366	4.56	0.28	2.11	5.49	0.34	K2O	0.72
Ca K	4.35	0.9590	4.54	0.30	2.05	6.35	0.42	CaO	0.70
Ti K	0.89	0.8134	1.10	0.22	0.41	1.83	0.37	TiO2	0.14
Mn K	0.13	0.8127	0.17 <	0.20	0.05	0.22 <	0.26	MnO	0.02
Fe K	5.52	0.8307	6.65	0.48	2.16	8.56	0.62	FeO	0.73
Total			114.58+/- 3.43	CompSum	89.40+/- 1.87			CatSum	9.97
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S499

Spectrum: 5 15-апр-2014 04:45 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	91339	70.00/91.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.00	0.5882	32.29	2.28	54.75	-5.14	2.91	O	22.67
F K	0.42	0.1976	2.11	1.24	3.01	2.11	1.24	F	1.25
Na K	1.02	0.7696	1.33	0.32	1.56	1.79	0.43	Na2O	0.65
Mg K	1.42	0.7115	1.99	0.26	2.22	3.30	0.43	MgO	0.92
Al K	5.08	0.8035	6.32	0.34	6.36	11.94	0.64	Al2O3	2.63
Si K	15.62	0.8175	19.10	0.50	18.45	40.86	1.07	SiO2	7.64
P K	0.32	0.9309	0.35	0.18	0.30	0.80	0.41	P2O5	0.12
S K	0.08	0.7938	0.10 <	0.14	0.09	0.25 <	0.35	SO3	0.04
Cl K	0.22	0.8374	0.27	0.14	0.21	0.27	0.14	Cl	0.09
K K	2.21	1.0485	2.11	0.22	1.46	2.54	0.27	K2O	0.60
Ca K	10.30	0.9719	10.60	0.40	7.18	14.83	0.56	CaO	2.97
Ti K	0.99	0.8026	1.23	0.22	0.70	2.05	0.37	TiO2	0.29
Mn K	0.12	0.8144	0.14 <	0.22	0.07	0.18 <	0.28	MnO	0.03
Fe K	6.27	0.8356	7.50	0.52	3.65	9.65	0.67	FeO	1.51
Total			85.45+/- 2.81	CompSum	88.20+/- 1.81			CatSum	17.40
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S500

Spectrum: 6 15-апр-2014 04:47 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	73172	70.00/86.75	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.41	0.5221	18.04	1.94	50.00	-5.87	2.44	O	21.41
F K	0.46	0.2015	2.27	1.02	5.31	2.27	1.02	F	2.27
Na K	0.36	0.7347	0.49	0.22	0.94	0.66	0.30	Na2O	0.40
Mg K	0.60	0.6930	0.86	0.18	1.57	1.43	0.30	MgO	0.67
Al K	2.52	0.7981	3.16	0.26	5.19	5.97	0.49	Al2O3	2.22
Si K	9.99	0.8330	11.99	0.40	18.93	25.65	0.86	SiO2	8.10
P K	0.22	0.9524	0.23	0.14	0.33	0.53	0.32	P2O5	0.14

S	K	0.10	0.8100	0.13	0.12	0.17	0.32	0.30	SO3	0.07
Cl	K	0.51	0.8520	0.60	0.14	0.75	0.60	0.14	Cl	0.32
K	K	0.73	1.0648	0.69	0.16	0.78	0.83	0.19	K2O	0.33
Ca	K	9.40	0.9866	9.53	0.38	10.55	13.33	0.53	CaO	4.52
Ti	K	0.67	0.7992	0.84	0.20	0.78	1.40	0.33	TiO2	0.33
Mn	K	0.13	0.8159	0.16 <	0.20	0.13	0.21 <	0.26	MnO	0.06
Fe	K	4.84	0.8383	5.77	0.46	4.58	7.42	0.59	FeO	1.96
Total				54.74+/- 2.37		CompSum	57.76+/- 1.48		CatSum	18.82
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S501

Spectrum: 7 15-апр-2014 04:49 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	100777	70.00/94.00	6	20.00

Peak omited: 9.810 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	41.63	0.8320	50.03	2.36	58.06	4.58	3.08	O	21.24
F	K	1.57	0.2049	7.64	1.74	7.47	7.64	1.74	F	2.73
Na	K	3.20	0.7793	4.11	0.44	3.32	5.54	0.59	Na2O	1.21
Mg	K	1.91	0.6945	2.75	0.30	2.10	4.56	0.50	MgO	0.77
Al	K	6.61	0.7859	8.41	0.40	5.79	15.89	0.76	Al2O3	2.12
Si	K	20.11	0.8015	25.09	0.58	16.59	53.68	1.24	SiO2	6.07
P	K	0.41	0.9158	0.44	0.20	0.27	1.01	0.46	P2O5	0.10
S	K	0.10	0.7809	0.13 <	0.14	0.07	0.32 <	0.35	SO3	0.03
Cl	K	0.11	0.8229	0.14	0.14	0.07	0.14	0.14	Cl	0.03
K	K	2.44	1.0244	2.38	0.24	1.13	2.87	0.29	K2O	0.41
Ca	K	4.31	0.9614	4.48	0.30	2.08	6.27	0.42	CaO	0.76
Ti	K	1.12	0.8168	1.38	0.22	0.53	2.30	0.37	TiO2	0.19
Mn	K	0.12	0.8159	0.15 <	0.22	0.05	0.19 <	0.28	MnO	0.02
Fe	K	6.23	0.8341	7.47	0.50	2.48	9.61	0.64	FeO	0.91
Total				114.59+/- 3.15		CompSum	102.24+/- 1.98		CatSum	12.59
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S502

Spectrum: 8 15-апр-2014 04:51 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	99439	70.00/93.13	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	50.61	0.8796	57.54	2.44	71.09	22.52	3.01	O	23.97
F	K	0.01	0.1682	0.05 <	1.68	0.05	0.05 <	1.68	F	0.02
Na	K	2.46	0.7673	3.21	0.42	2.76	4.33	0.57	Na2O	0.93
Mg	K	1.32	0.6908	1.91	0.28	1.55	3.17	0.46	MgO	0.52
Al	K	4.95	0.7880	6.28	0.34	4.60	11.87	0.64	Al2O3	1.55
Si	K	15.57	0.8145	19.11	0.50	13.45	40.88	1.07	SiO2	4.54
P	K	0.31	0.9549	0.33	0.18	0.21	0.76	0.41	P2O5	0.07
S	K	0.34	0.8054	0.42	0.14	0.26	1.05	0.35	SO3	0.09
Cl	K	0.05	0.8389	0.06 <	0.12	0.03	0.06 <	0.12	Cl	0.01
K	K	4.59	1.0287	4.46	0.28	2.26	5.37	0.34	K2O	0.76

Ca K	2.72	0.9510	2.86	0.24	1.41	4.00	0.34	CaO	0.48
Ti K	0.72	0.8102	0.89	0.20	0.37	1.48	0.33	TiO2	0.12
Mn K	0.15	0.8084	0.18	0.18	0.07	0.23	0.23	MnO	0.02
Fe K	4.42	0.8259	5.35	0.44	1.89	6.88	0.57	FeO	0.64
Total			102.64+/- 3.14		CompSum	80.02+/- 1.76		CatSum	9.72
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S503

Spectrum: 9 15-апр-2014 04:53 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	104460	70.00/95.12	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	23.10	0.4300	53.71	3.46	71.02	10.31	3.83	O	23.98
F K	0.00	0.1359	0.00	0.00	0.00			F	0.00
Na K	0.02	0.7230	0.02 <	0.28	0.02	0.03 <	0.38	Na2O	0.01
Mg K	0.00	0.6944	0.00	0.00	0.00			MgO	0.00
Al K	0.11	0.8174	0.14 <	0.16	0.11	0.26 <	0.30	Al2O3	0.04
Si K	0.22	0.9180	0.24	0.14	0.18	0.51	0.30	SiO2	0.06
P K	0.00	1.2985	0.00	0.00	0.00			P2O5	0.00
S K	21.70	1.0134	21.42	0.50	14.13	53.48	1.25	SO3	4.77
Cl K	0.07	0.8446	0.09 <	0.14	0.05	0.09 <	0.14	Cl	0.02
K K	0.25	1.0598	0.24	0.16	0.13	0.29	0.19	K2O	0.04
Ca K	26.29	0.9676	27.17	0.60	14.34	38.02	0.84	CaO	4.84
Ti K	0.05	0.7529	0.06 <	0.18	0.03	0.10 <	0.30	TiO2	0.01
Mn K	0.00	0.7856	0.00	0.00	0.00			MnO	0.00
Fe K	0.00	0.8085	0.00	0.00	0.00			FeO	0.00
Total			103.08+/- 3.58		CompSum	92.69+/- 1.65		CatSum	9.77

Inferred phases: altered silicate glass

Table S504

Spectrum: 10 15-апр-2014 04:55 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	91769	70.00/91.65	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	38.22	0.8152	46.87	2.28	65.84	9.49	2.93	O	23.89
F K	0.03	0.1822	0.17 <	1.38	0.20	0.17 <	1.38	F	0.07
Na K	2.22	0.7961	2.79	0.40	2.73	3.76	0.54	Na2O	0.99
Mg K	1.31	0.7130	1.84	0.26	1.70	3.05	0.43	MgO	0.62
Al K	5.63	0.8067	6.97	0.36	5.81	13.17	0.68	Al2O3	2.11
Si K	17.12	0.8145	21.02	0.54	16.82	44.97	1.16	SiO2	6.10
P K	0.35	0.9194	0.39	0.20	0.28	0.89	0.46	P2O5	0.10
S K	0.15	0.7822	0.20	0.14	0.14	0.50	0.35	SO3	0.05
Cl K	0.12	0.8224	0.15	0.14	0.09	0.15	0.14	Cl	0.03
K K	3.08	1.0204	3.02	0.26	1.74	3.64	0.31	K2O	0.63
Ca K	3.22	0.9518	3.38	0.26	1.89	4.73	0.36	CaO	0.69
Ti K	0.75	0.8108	0.92	0.22	0.43	1.53	0.37	TiO2	0.16
Mn K	0.09	0.8114	0.12 <	0.20	0.05	0.15 <	0.26	MnO	0.02
Fe K	4.71	0.8295	5.68	0.46	2.28	7.31	0.59	FeO	0.83
Total			93.50+/- 2.88		CompSum	83.71+/- 1.84		CatSum	12.29

									An.Sum	24.00

Inferred phases: silicate glass

Table S505

Spectrum: 11 15-апр-2014 04:57 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	56622	70.00/82.58	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	13.51	0.9332	14.46	1.30	67.26	5.82	1.70	O	22.01
F K	0.26	0.1791	1.45	1.12	5.67	1.45	1.12	F	1.86
Na K	0.74	0.7328	1.01	0.28	3.28	1.36	0.38	Na2O	1.07
Mg K	0.46	0.6594	0.70	0.18	2.15	1.16	0.30	MgO	0.70
Al K	1.04	0.7524	1.39	0.20	3.83	2.63	0.38	Al2O3	1.25
Si K	3.05	0.8002	3.80	0.26	10.07	8.13	0.56	SiO2	3.30
P K	0.29	0.9940	0.29	0.14	0.70	0.66	0.32	P2O5	0.23
S K	0.39	0.8256	0.48	0.14	1.11	1.20	0.35	SO3	0.36
Cl K	0.16	0.8458	0.19	0.10	0.40	0.19	0.10	Cl	0.13
K K	0.85	1.0321	0.83	0.16	1.57	1.00	0.19	K2O	0.51
Ca K	0.57	0.9619	0.59	0.14	1.09	0.83	0.20	CaO	0.36
Ti K	0.36	0.8188	0.44	0.14	0.69	0.73	0.23	TiO2	0.23
Mn K	0.03	0.8122	0.04 <	0.16	0.05	0.05 <	0.21	MnO	0.02
Fe K	1.33	0.8295	1.60	0.28	2.13	2.06	0.36	FeO	0.70
Total			27.27+/-	1.84	CompSum	19.81+/-	1.10	CatSum	8.73
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S506

Spectrum: 12 15-апр-2014 04:59 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	91791	70.00/91.24	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	33.40	0.5938	56.25	3.06	72.71	23.89	3.47	O	22.61
F K	0.58	0.1432	4.08	1.86	4.44	4.08	1.86	F	1.38
Na K	0.67	0.7009	0.96	0.34	0.86	1.29	0.46	Na2O	0.27
Mg K	0.63	0.6662	0.95	0.24	0.81	1.58	0.40	MgO	0.25
Al K	1.07	0.7782	1.38	0.22	1.06	2.61	0.42	Al2O3	0.33
Si K	2.48	0.8654	2.87	0.24	2.11	6.14	0.51	SiO2	0.66
P K	0.08	1.1954	0.07 <	0.14	0.05	0.16 <	0.32	P2O5	0.02
S K	12.40	0.9538	13.00	0.40	8.38	32.46	1.00	SO3	2.61
Cl K	0.06	0.8568	0.07 <	0.14	0.04	0.07 <	0.14	Cl	0.01
K K	0.39	1.0580	0.37	0.16	0.19	0.45	0.19	K2O	0.06
Ca K	16.64	0.9719	17.12	0.48	8.83	23.95	0.67	CaO	2.75
Ti K	0.11	0.7756	0.15 <	0.16	0.06	0.25 <	0.27	TiO2	0.02
Mn K	0.12	0.7930	0.15 <	0.18	0.05	0.19 <	0.23	MnO	0.02
Fe K	0.86	0.8129	1.06	0.28	0.39	1.36	0.36	FeO	0.12
Total			98.47+/-	3.70	CompSum	70.44+/-	1.63	CatSum	7.09
								An.Sum	24.00

Inferred phases: $CaSO_4 \cdot 2H_2O$, altered silicate glass

Table S507

Spectrum: 14 15-апр-2014 05:02 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	86128	70.00/89.88	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	30.70	0.8712	35.23	2.04	56.89	5.55	2.65	O	19.80
F K	1.84	0.2071	8.86	1.66	12.05	8.86	1.66	F	4.19
Na K	2.00	0.7536	2.65	0.40	2.98	3.57	0.54	Na2O	1.04
Mg K	1.45	0.6797	2.14	0.28	2.27	3.55	0.46	MgO	0.79
Al K	4.42	0.7699	5.74	0.34	5.50	10.85	0.64	Al2O3	1.91
Si K	11.32	0.7930	14.28	0.46	13.14	30.55	0.98	SiO2	4.57
P K	0.55	0.9493	0.58	0.18	0.48	1.33	0.41	P2O5	0.17
S K	0.93	0.8002	1.16	0.18	0.94	2.90	0.45	SO3	0.33
Cl K	0.03	0.8293	0.03 <	0.12	0.02	0.03 <	0.12	Cl	0.01
K K	1.50	1.0289	1.46	0.18	0.96	1.76	0.22	K2O	0.33
Ca K	3.24	0.9649	3.36	0.26	2.17	4.70	0.36	CaO	0.76
Ti K	0.58	0.8169	0.72	0.18	0.39	1.20	0.30	TiO2	0.14
Mn K	0.18	0.8157	0.22	0.18	0.11	0.28	0.23	MnO	0.04
Fe K	3.79	0.8336	4.54	0.42	2.10	5.84	0.54	FeO	0.73
Total			80.99+/- 2.81	CompSum	66.53+/- 1.70			CatSum	10.80
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S508

Spectrum: 15 15-апр-2014 05:04 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	91398	70.00/91.24	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	38.70	0.8934	43.31	2.16	59.30	9.08	2.79	O	20.56
F K	1.70	0.2017	8.41	1.76	9.70	8.41	1.76	F	3.36
Na K	2.43	0.7607	3.20	0.42	3.05	4.31	0.57	Na2O	1.06
Mg K	1.62	0.6836	2.36	0.28	2.13	3.91	0.46	MgO	0.74
Al K	5.22	0.7749	6.74	0.36	5.47	12.73	0.68	Al2O3	1.90
Si K	14.76	0.7957	18.55	0.50	14.47	39.68	1.07	SiO2	5.02
P K	0.31	0.9320	0.33	0.18	0.24	0.76	0.41	P2O5	0.08
S K	0.03	0.7915	0.04 <	0.14	0.02	0.10 <	0.35	SO3	0.01
Cl K	0.29	0.8312	0.35	0.14	0.22	0.35	0.14	Cl	0.08
K K	1.82	1.0271	1.77	0.20	0.99	2.13	0.24	K2O	0.34
Ca K	3.04	0.9639	3.15	0.26	1.72	4.41	0.36	CaO	0.60
Ti K	0.89	0.8182	1.09	0.20	0.50	1.82	0.33	TiO2	0.17
Mn K	0.12	0.8151	0.14 <	0.20	0.06	0.18 <	0.26	MnO	0.02
Fe K	4.54	0.8328	5.45	0.44	2.14	7.01	0.57	FeO	0.74
Total			94.90+/- 2.97	CompSum	77.05+/- 1.77			CatSum	10.68
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S509

Spectrum: 16 15-апр-2014 05:06 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.55	391318	85552	70.00/89.76	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	39.16	0.8387	46.69	2.28	71.09	18.46	2.80	O	23.52
F K	0.17	0.1651	1.04 <	1.62	1.33	1.04 <	1.62	F	0.44
Na K	1.39	0.7467	1.86	0.36	1.97	2.51	0.49	Na2O	0.65
Mg K	1.02	0.6861	1.49	0.24	1.49	2.47	0.40	MgO	0.49
Al K	3.18	0.7852	4.05	0.30	3.66	7.65	0.57	Al2O3	1.21
Si K	12.89	0.8257	15.62	0.46	13.54	33.42	0.98	SiO2	4.48
P K	0.32	0.9626	0.34	0.18	0.27	0.78	0.41	P2O5	0.09
S K	0.27	0.8098	0.34	0.14	0.26	0.85	0.35	SO3	0.09
Cl K	0.16	0.8423	0.19	0.12	0.13	0.19	0.12	Cl	0.04
K K	0.80	1.0364	0.78	0.16	0.48	0.94	0.19	K2O	0.16
Ca K	5.41	0.9690	5.59	0.30	3.40	7.82	0.42	CaO	1.12
Ti K	0.72	0.8074	0.89	0.20	0.45	1.48	0.33	TiO2	0.15
Mn K	0.18	0.8066	0.23	0.18	0.10	0.30	0.23	MnO	0.03
Fe K	3.45	0.8243	4.19	0.40	1.83	5.39	0.51	FeO	0.61
Total			83.28+/- 2.95		CompSum	63.61+/- 1.62		CatSum	9.08

Inferred phases: altered silicate glass

Table S510

Site: F3a-1
Spectrum: 1 6-Jun-2014 03:21 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	133268	70.00/103.19	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	86.78	0.8952	96.93	3.00	75.79	44.52	3.61	O	24.00
Na K	2.20	0.7521	2.92	0.44	1.59	3.94	0.59	Na2O	0.50
Mg K	1.47	0.6940	2.12	0.30	1.09	3.52	0.50	MgO	0.35
Al K	5.53	0.7966	6.95	0.36	3.22	13.13	0.68	Al2O3	1.02
Si K	21.51	0.8384	25.66	0.56	11.43	54.89	1.20	SiO2	3.62
P K	0.25	0.9954	0.26	0.20	0.10	0.60	0.46	P2O5	0.03
S K	4.75	0.8299	5.72	0.30	2.23	14.28	0.75	SO3	0.71
K K	2.30	1.0242	2.24	0.22	0.72	2.70	0.27	K2O	0.23
Ca K	7.60	0.9567	7.94	0.34	2.48	11.11	0.48	CaO	0.79
Ti K	0.77	0.8018	0.97	0.22	0.25	1.62	0.37	TiO2	0.08
Cr K	0.00	0.8196	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.07	0.8016	0.09 <	0.20	0.02	0.12 <	0.26	MnO	0.01
Fe K	3.94	0.8187	4.82	0.42	1.08	6.20	0.54	FeO	0.34
Total			156.61+/- 3.21		CompSum	112.10+/- 2.01		CatSum	7.67
								An.Sum	24.00

Inferred phases: silicate glass

Table S511

Spectrum: 2 6-Jun-2014 03:23 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	122230	70.00/99.53	6	20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	73.56	0.9468	77.68	2.64	71.37	29.83	3.31	O	24.00
Na K	4.04	0.7770	5.20	0.48	3.32	7.01	0.65	Na2O	1.12

Mg K	1.79	0.6895	2.59	0.30	1.57	4.29	0.50	MgO	0.53
Al K	6.93	0.7859	8.82	0.40	4.81	16.67	0.76	Al2O3	1.62
Si K	21.47	0.8083	26.57	0.58	13.90	56.84	1.24	SiO2	4.67
P K	0.39	0.9401	0.41	0.20	0.19	0.94	0.46	P2O5	0.06
S K	0.40	0.7950	0.50	0.16	0.23	1.25	0.40	SO3	0.08
K K	2.57	1.0227	2.52	0.24	0.95	3.04	0.29	K2O	0.32
Ca K	3.79	0.9584	3.96	0.26	1.45	5.54	0.36	CaO	0.49
Ti K	1.02	0.8128	1.25	0.22	0.38	2.09	0.37	TiO2	0.13
Cr K	0.08	0.8316	0.10 <	0.16	0.03	0.15 <	0.23	Cr2O3	0.01
Mn K	0.17	0.8084	0.21	0.20	0.06	0.27	0.26	MnO	0.02
Fe K	5.47	0.8253	6.63	0.46	1.75	8.53	0.59	FeO	0.59
Total			136.44+/- 2.88	CompSum	106.61+/- 1.99			CatSum	9.63
								An.Sum	24.00

Inferred phases: silicate glass

Table S512

Spectrum: 3 6-Jun-2014 03:25 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	119052	70.00/98.77	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	65.56	0.9089	72.12	2.60	70.60	25.18	3.25	O	24.00
Na K	2.91	0.7759	3.75	0.44	2.56	5.05	0.59	Na2O	0.87
Mg K	1.78	0.6993	2.55	0.30	1.64	4.23	0.50	MgO	0.56
Al K	6.79	0.7939	8.55	0.38	4.96	16.15	0.72	Al2O3	1.69
Si K	21.55	0.8129	26.52	0.58	14.79	56.73	1.24	SiO2	5.03
P K	0.51	0.9344	0.54	0.18	0.27	1.24	0.41	P2O5	0.09
S K	0.18	0.7908	0.23	0.14	0.11	0.57	0.35	SO3	0.04
K K	2.60	1.0226	2.55	0.22	1.02	3.07	0.27	K2O	0.35
Ca K	4.04	0.9579	4.22	0.28	1.65	5.90	0.39	CaO	0.56
Ti K	1.07	0.8122	1.32	0.22	0.43	2.20	0.37	TiO2	0.15
Cr K	0.00	0.8324	0.00 <	0.16	0.00	0.00 <	0.23	Cr2O3	0.00
Mn K	0.03	0.8088	0.04 <	0.20	0.01	0.05 <	0.26	MnO	0.00
Fe K	5.76	0.8261	6.97	0.48	1.95	8.97	0.62	FeO	0.66
Total			129.36+/- 2.84	CompSum	104.18+/- 1.95			CatSum	9.99
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S513

Spectrum: 4 6-Jun-2014 03:28 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	117954	70.00/98.87	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.35	0.4628	61.25	3.42	71.65	13.53	3.86	O	24.00
Na K	0.14	0.7268	0.19 <	0.30	0.16	0.26 <	0.40	Na2O	0.05
Mg K	0.18	0.6956	0.26	0.20	0.20	0.43	0.33	MgO	0.07
Al K	0.63	0.8153	0.77	0.18	0.53	1.45	0.34	Al2O3	0.18
Si K	2.09	0.9079	2.31	0.22	1.54	4.94	0.47	SiO2	0.52
P K	0.00	1.2581	0.00	0.00	0.00			P2O5	0.00
S K	21.89	0.9901	22.10	0.50	12.90	55.18	1.25	SO3	4.32
K K	0.47	1.0533	0.45	0.16	0.22	0.54	0.19	K2O	0.07

Ca K	26.04	0.9651	26.98	0.58	12.60	37.75	0.81	CaO	4.22
Ti K	0.07	0.7587	0.09 <	0.18	0.03	0.15 <	0.30	TiO2	0.01
Cr K	0.03	0.7920	0.04 <	0.18	0.01	0.06 <	0.26	Cr2O3	0.00
Mn K	0.05	0.7877	0.06 <	0.20	0.02	0.08 <	0.26	MnO	0.01
Fe K	0.34	0.8098	0.42	0.26	0.14	0.54	0.33	FeO	0.05
Total			114.93+/- 3.56		CompSum	101.39+/- 1.79		CatSum	9.50
								An.Sum	24.00

Inferred phases: CaSO4, silicate glass

Table S514

Spectrum: 5 6-Jun-2014 03:30 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	121278	70.00/99.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	31.12	0.4707	66.11	3.50	72.35	16.59	3.94	O	24.00
Na K	0.14	0.7230	0.19 <	0.30	0.15	0.26 <	0.40	Na2O	0.05
Mg K	0.26	0.6926	0.37	0.20	0.27	0.61	0.33	MgO	0.09
Al K	0.53	0.8115	0.65	0.18	0.42	1.23	0.34	Al2O3	0.14
Si K	2.23	0.9062	2.46	0.22	1.53	5.26	0.47	SiO2	0.51
P K	0.04	1.2557	0.03 <	0.16	0.02	0.07 <	0.37	P2O5	0.01
S K	22.55	0.9885	22.82	0.50	12.46	56.98	1.25	SO3	4.13
K K	0.60	1.0547	0.56	0.16	0.25	0.67	0.19	K2O	0.08
Ca K	27.18	0.9657	28.14	0.58	12.29	39.37	0.81	CaO	4.08
Ti K	0.11	0.7598	0.15 <	0.18	0.05	0.25 <	0.30	TiO2	0.02
Cr K	0.00	0.7925	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.06	0.7878	0.07 <	0.22	0.02	0.09 <	0.28	MnO	0.01
Fe K	0.47	0.8098	0.58	0.26	0.18	0.75	0.33	FeO	0.06
Total			122.14+/- 3.64		CompSum	105.54+/- 1.81		CatSum	9.17
								An.Sum	24.00

Inferred phases: CaSO4

Table S515

Spectrum: 7 6-Jun-2014 03:34 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	114200	70.00/97.70	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula	
O K	56.69	1.4084	40.25	1.66	66.23	17.19	2.62	O	24.00
Na K	0.16	0.4437	0.36 <	0.44	0.41	0.49 <	0.59	Na2O	0.15
Mg K	0.25	0.4516	0.56	0.30	0.61	0.93	0.50	MgO	0.22
Al K	0.43	0.5741	0.75	0.24	0.74	1.42	0.45	Al2O3	0.27
Si K	0.65	0.6966	0.93	0.22	0.87	1.99	0.47	SiO2	0.32
P K	0.07	1.0508	0.07 <	0.18	0.06	0.16 <	0.41	P2O5	0.02
S K	1.56	0.8860	1.76	0.22	1.45	4.39	0.55	SO3	0.53
K K	0.13	1.1320	0.12 <	0.16	0.08	0.14 <	0.19	K2O	0.03
Ca K	1.79	1.0830	1.65	0.20	1.08	2.31	0.28	CaO	0.39
Ti K	0.35	0.9595	0.36	0.18	0.20	0.60	0.30	TiO2	0.07
Cr K	0.00	1.0756	0.00	0.00	0.00			Cr2O3	0.00
Mn K	0.38	0.8891	0.43	0.26	0.20	0.56	0.34	MnO	0.07
Fe K	54.04	0.9074	59.56	1.18	28.08	76.62	1.52	FeO	10.18
Total			106.80+/- 2.19		CompSum	89.61+/- 2.03		CatSum	12.24

									An.Sum	24.00

Inferred phases: Fe_2O_3

Table S516

Spectrum: 8 6-Jun-2014 03:36 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	75400	70.00/86.98	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	22.92	0.7107	32.27	1.98	84.08	20.85	2.24	O	24.00
Na K	0.33	0.6716	0.49	0.26	0.89	0.66	0.35	Na_2O	0.25
Mg K	0.00	0.6421	0.00	0.00	0.00			MgO	0.00
Al K	0.08	0.7660	0.10 <	0.12	0.16	0.19 <	0.23	Al_2O_3	0.05
Si K	0.15	0.8671	0.17	0.12	0.25	0.36	0.26	SiO_2	0.07
P K	0.04	1.2305	0.04 <	0.12	0.05	0.09 <	0.27	P_2O_5	0.01
S K	5.21	0.9719	5.37	0.26	6.98	13.41	0.65	SO_3	1.99
K K	0.32	1.0642	0.30	0.12	0.32	0.36	0.14	K_2O	0.09
Ca K	6.46	0.9730	6.64	0.30	6.91	9.29	0.42	CaO	1.97
Ti K	0.05	0.7793	0.06 <	0.14	0.05	0.10 <	0.23	TiO_2	0.01
Cr K	0.06	0.7993	0.07 <	0.14	0.06	0.10 <	0.20	Cr_2O_3	0.02
Mn K	0.00	0.7891	0.00	0.00	0.00			MnO	0.00
Fe K	0.27	0.8070	0.33	0.18	0.25	0.42	0.23	FeO	0.07
Total			45.84+/- 2.07		CompSum	24.99+/- 1.04		CatSum	4.54
								An.Sum	24.00

Inferred phases: $CaSO_4 \cdot 2H_2O$

Table S517

Spectrum: 9 6-Jun-2014 03:38 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	95520	70.00/92.14	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.38	0.9375	48.42	2.14	74.86	23.92	2.60	O	24.00
Na K	1.37	0.7372	1.85	0.34	1.99	2.49	0.46	Na_2O	0.64
Mg K	0.83	0.6781	1.22	0.24	1.25	2.02	0.40	MgO	0.40
Al K	3.39	0.7806	4.34	0.28	3.98	8.20	0.53	Al_2O_3	1.28
Si K	10.72	0.8164	13.13	0.40	11.56	28.09	0.86	SiO_2	3.71
P K	0.16	0.9789	0.16	0.14	0.13	0.37	0.32	P_2O_5	0.04
S K	0.46	0.8212	0.56	0.14	0.43	1.40	0.35	SO_3	0.14
K K	3.71	1.0341	3.59	0.24	2.27	4.32	0.29	K_2O	0.73
Ca K	1.97	0.9532	2.07	0.20	1.28	2.90	0.28	CaO	0.41
Ti K	0.42	0.8109	0.52	0.16	0.27	0.87	0.27	TiO_2	0.09
Cr K	0.03	0.8314	0.03 <	0.14	0.02	0.04 <	0.20	Cr_2O_3	0.01
Mn K	0.04	0.8070	0.05 <	0.16	0.02	0.06 <	0.21	MnO	0.01
Fe K	3.61	0.8239	4.38	0.38	1.94	5.63	0.49	FeO	0.62
Total			80.34+/- 2.31		CompSum	56.40+/- 1.47		CatSum	8.06
								An.Sum	24.00

Inferred phases: silicate glass

Table S518

Spectrum: 11 6-Jun-2014 03:41 PM

Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.62 391715 100112 70.00/93.82 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	14.81	0.4513	32.80	2.60	59.93	-7.59	3.12	O	24.00
Na K	0.40	0.7626	0.53	0.26	0.67	0.71	0.35	Na2O	0.27
Mg K	0.54	0.7174	0.75	0.20	0.90	1.24	0.33	MgO	0.36
Al K	1.69	0.8273	2.04	0.22	2.21	3.85	0.42	Al2O3	0.89
Si K	7.19	0.8946	8.03	0.32	8.36	17.18	0.68	SiO2	3.35
P K	0.23	1.1357	0.20	0.16	0.19	0.46	0.37	P2O5	0.08
S K	12.42	0.9197	13.50	0.40	12.31	33.71	1.00	SO3	4.93
K K	2.05	1.0371	1.98	0.22	1.48	2.39	0.27	K2O	0.59
Ca K	15.16	0.9553	15.87	0.46	11.57	22.21	0.64	CaO	4.63
Ti K	0.50	0.7712	0.65	0.20	0.39	1.08	0.33	TiO2	0.16
Cr K	0.07	0.8085	0.09 <	0.18	0.05	0.13 <	0.26	Cr2O3	0.02
Mn K	0.15	0.7994	0.18 <	0.20	0.10	0.23 <	0.26	MnO	0.04
Fe K	2.90	0.8225	3.53	0.38	1.85	4.54	0.49	FeO	0.74
Total			80.15+/-	2.78	CompSum	87.74+/-	1.73	CatSum	16.05
								An.Sum	24.00

Inferred phases: CaSO4

Table S519

Site: F3a-4
Spectrum: 1 6-Jun-2014 06:24 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.62 391715 82215 70.00/88.83 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	18.98	0.8949	21.21	1.50	34.07	0.35 <	2.07	O	11.04
F K	8.71	0.2948	29.55	1.76	39.97	29.55	1.76	F	12.96
Na K	7.44	0.6854	10.85	0.66	12.13	14.63	0.89	Na2O	3.93
Si K	0.11	0.7890	0.14	0.12	0.13	0.30	0.26	SiO2	0.04
S K	9.29	0.9372	9.92	0.34	7.95	24.77	0.85	SO3	2.58
K K	7.69	1.0427	7.38	0.32	4.85	8.89	0.39	K2O	1.57
Fe K	0.62	0.8461	0.74	0.24	0.34	0.95	0.31	FeO	0.11
Cu K	1.13	0.8120	1.39	0.38	0.56	1.74	0.48	CuO	0.18
Total			81.18+/-	2.49	CompSum	51.28+/-	1.43	CatSum	8.41
								An.Sum	24.00

Inferred phases: (Na,K,Cu,Fe)2SO4

Table S520

Spectrum: 2 6-Jun-2014 06:25 PM
Energy Resn. Area TOT.AR. L./R.time(s) P.time U(kV)
.0 49.62 391715 83840 70.00/89.37 6 20.00
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	31.75	1.3034	24.36	1.30	31.97
F K	13.89	0.3495	39.75	1.86	43.93
Na K	12.92	0.6974	18.53	0.82	16.92
Si K	0.07	0.7485	0.09 <	0.12	0.07
S K	8.08	0.9061	8.92	0.34	5.84

K	K	1.73	1.0392	1.66	0.18	0.89
Fe	K	0.41	0.8450	0.49	0.20	0.18
Cu	K	0.50	0.8088	0.61	0.32	0.20
Total				94.42+/- 2.48		

Inferred phases: (Na,K,Cu,Fe)2SO4

Table S521

Spectrum: 3 6-Jun-2014 06:27 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	84390	70.00/89.45	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	26.76	1.0147	26.39	1.50	38.48	1.22 <	2.19	O	13.07
F	K	7.53	0.2874	26.21	1.74	32.18	26.21	1.74	F	10.93
Na	K	12.06	0.7225	16.69	0.78	16.94	22.50	1.05	Na2O	5.75
Si	K	0.12	0.7648	0.16	0.12	0.13	0.34	0.26	SiO2	0.04
S	K	10.70	0.9177	11.66	0.38	8.48	29.11	0.95	SO3	2.88
K	K	4.41	1.0284	4.29	0.26	2.56	5.17	0.31	K2O	0.87
Fe	K	0.54	0.8508	0.63	0.20	0.26	0.81	0.26	FeO	0.09
Cu	K	2.15	0.8113	2.65	0.44	0.97	3.32	0.55	CuO	0.33
Total				88.67+/- 2.52	CompSum		61.25+/- 1.59		CatSum	9.97
									An.Sum	24.00

Inferred phases: (Na,K,Cu,Fe)2SO4

Table S522

Site: F6-1

Spectrum: 1 6-Jun-2014 07:35 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	80642	70.00/88.90	6	20.00

Peaks Omited: 6.180, 13.400 keV

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	7.56	0.4648	16.27	1.56	72.05	4.53	2.24	O	24.00
Na	K	0.74	0.8713	0.85	0.20	2.61	1.15	0.27	Na2O	0.87
Zr	L	28.66	0.8882	32.26	1.12	25.05	43.58	1.51	ZrO2	8.34
Hf	M	0.58	0.7984	0.72	0.38	0.29	0.85	0.45	HfO2	0.10
Total				50.10+/- 1.97	CompSum		45.57+/- 1.60		CatSum	9.31
									An.Sum	24.00

Inferred phases: (Zr,Hf)O(OH)2

Table S523

Spectrum: 2 6-Jun-2014 07:37 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	117282	70.00/98.62	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	39.52	0.6197	63.77	2.66	87.01	45.16	3.40	O	24.00
Na	K	0.33	0.7827	0.42	0.34	0.40	0.57	0.46	Na2O	0.11
Zr	L	44.38	0.8494	52.25	1.46	12.50	70.58	1.97	ZrO2	3.45
Hf	M	0.55	0.7554	0.73	0.54	0.09	0.86	0.64	HfO2	0.02

Total	117.17+/- 3.10	CompSum	72.01+/- 2.12	CatSum	3.58		
				An.Sum	24.00		

Inferred phases: (Zr,Hf)O(OH)2

Table S524

Spectrum: 3 6-Jun-2014 07:39 PM

Energy	Resn.	Area	TOT.AR.	L./R.time(s)	P.time	U(kV)
.0	49.62	391715	81523	70.00/88.93	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	13.42	0.5371	25.00	1.76	80.72	14.01	2.36	O	24.00
Na K	0.75	0.8252	0.91	0.24	2.05	1.23	0.32	Na2O	0.61
Zr L	26.26	0.8675	30.26	1.10	17.13	40.87	1.49	ZrO2	5.09
Hf M	0.27	0.7712	0.35 <	0.36	0.10	0.41 <	0.42	HfO2	0.03
Total			56.52+/- 2.12	CompSum		42.51+/- 1.58	CatSum		5.73
							An.Sum		24.00

Inferred phases: (Zr,Hf)O(OH)2

Table S525

Sample: Fcr-aer

Spectrum: 1 13-Jun-2014 04:54 PM

L./R.time(s)	P.time	U(kV)
50.00/77.65	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	12.71	0.6694	18.99	2.28	51.23	-3.89 <	4.13	O	18.29
F K	1.87	0.2657	7.04	1.68	15.98	7.04	1.68	F	5.70
Na K	0.56	0.8231	0.69	0.38	1.29	0.93	0.51	Na2O	0.46
Mg K	0.23	0.7351	0.32	0.28	0.56	0.53	0.46	MgO	0.20
Al K	0.55	0.8564	0.64	0.24	1.03	1.21	0.45	Al2O3	0.37
Si K	1.31	0.9901	1.33	0.26	2.04	2.85	0.56	SiO2	0.73
P K	0.00	1.4783	0.00	0.00	0.00			P2O5	0.00
S K	10.82	1.0642	10.17	0.66	13.69	25.39	1.65	SO3	4.89
Cl K	0.01	0.6543	0.02 <	0.38	0.02	0.02 <	0.38	Cl	0.01
K K	0.71	0.8811	0.80	0.28	0.88	0.96	0.34	K2O	0.31
Ca K	0.60	0.8719	0.69	0.28	0.74	0.97	0.39	CaO	0.26
Ti K	0.08	0.8199	0.09 <	0.30	0.09	0.15 <	0.50	TiO2	0.03
Mn K	0.00	0.9190	0.00	0.00	0.00			MnO	0.00
Fe K	0.55	0.9633	0.57	0.40	0.44	0.73	0.51	FeO	0.16
Pb M	56.07	0.9716	57.70	2.52	12.02	62.16	2.71	PbO	4.29
Total			99.04+/- 3.96	CompSum		95.88+/- 3.44	CatSum		11.70
							An.Sum		24.00

Inferred phases: altered silicate glass, PbSO4

Table S526

Spectrum: 2 13-Jun-2014 04:56 PM

L./R.time(s)	P.time	U(kV)
50.00/70.55	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O	K	62.19	0.9260	67.16	2.94	64.16	17.06	3.94	O	22.18
F	K	1.25	0.1918	6.51	2.86	5.24	6.51	2.86	F	1.81
Na	K	3.14	0.7755	4.04	0.54	2.69	5.45	0.73	Na2O	0.93
Mg	K	2.19	0.6971	3.14	0.38	1.98	5.21	0.63	MgO	0.68
Al	K	7.16	0.7877	9.09	0.48	5.15	17.18	0.91	Al2O3	1.78
Si	K	21.76	0.8080	26.93	0.70	14.65	57.61	1.50	SiO2	5.06
P	K	0.50	0.9373	0.54	0.24	0.27	1.24	0.55	P2O5	0.09
S	K	0.91	0.7934	1.15	0.24	0.55	2.87	0.60	SO3	0.19
Cl	K	0.05	0.8254	0.06 <	0.16	0.02	0.06 <	0.16	Cl	0.01
K	K	2.74	1.0227	2.67	0.28	1.05	3.22	0.34	K2O	0.36
Ca	K	4.42	0.9590	4.61	0.34	1.76	6.45	0.48	CaO	0.61
Ti	K	1.08	0.8142	1.32	0.26	0.42	2.20	0.43	TiO2	0.15
Mn	K	0.10	0.8123	0.12 <	0.24	0.03	0.15 <	0.31	MnO	0.01
Fe	K	6.14	0.8299	7.40	0.60	2.03	9.52	0.77	FeO	0.70
Pb	M	0.15	0.7290	0.21 <	0.92	0.02	0.23 <	0.99	PbO	0.01
Total				134.96+/- 4.43		CompSum	111.32+/- 2.62		CatSum	10.58
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S527

Spectrum: 3 13-Jun-2014 04:57 PM

L./R.time(s)	P.time	U(kV)
50.00/68.00	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	36.31	0.6881	52.78	3.16	58.24	12.27	4.10	O	18.79
F	K	3.19	0.1844	17.28	3.06	16.06	17.28	3.06	F	5.18
Na	K	2.33	0.7187	3.24	0.52	2.49	4.37	0.70	Na2O	0.80
Mg	K	0.93	0.6600	1.41	0.30	1.02	2.34	0.50	MgO	0.33
Al	K	3.27	0.7697	4.25	0.34	2.78	8.03	0.64	Al2O3	0.90
Si	K	4.59	0.8344	5.50	0.34	3.46	11.77	0.73	SiO2	1.12
P	K	0.04	1.1414	0.03 <	0.18	0.02	0.07 <	0.41	P2O5	0.01
S	K	13.28	0.9231	14.39	0.50	7.92	35.93	1.25	SO3	2.56
Cl	K	0.13	0.8414	0.16	0.16	0.08	0.16	0.16	Cl	0.03
K	K	2.34	1.0418	2.25	0.26	1.01	2.71	0.31	K2O	0.33
Ca	K	13.58	0.9626	14.11	0.52	6.21	19.74	0.73	CaO	2.00
Ti	K	0.20	0.7894	0.25	0.20	0.09	0.42	0.33	TiO2	0.03
Mn	K	0.00	0.8041	0.00	0.00	0.00			MnO	0.00
Fe	K	1.52	0.8238	1.84	0.38	0.58	2.37	0.49	FeO	0.19
Pb	M	0.42	0.8383	0.50 <	1.46	0.04	0.54 <	1.57	PbO	0.01
Total				117.98+/- 4.79		CompSum	88.28+/- 2.62		CatSum	8.27
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S528

Spectrum: 4 13-Jun-2014 04:59 PM

L./R.time(s)	P.time	U(kV)
50.00/69.61	6	20.00

Counted by INCA/Oxygen by stoichiometry

INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	57.32	0.9037	63.42	2.90	64.17	18.74	3.71	O	21.87
F	K	1.40	0.1904	7.33	2.86	6.25	7.33	2.86	F	2.13

Na	K	3.36	0.7569	4.43	0.58	3.12	5.97	0.78	Na2O	1.06
Mg	K	1.71	0.6788	2.51	0.36	1.67	4.16	0.60	MgO	0.57
Al	K	6.12	0.7762	7.88	0.44	4.73	14.89	0.83	Al2O3	1.61
Si	K	16.95	0.8065	21.02	0.62	12.11	44.97	1.33	SiO2	4.13
P	K	0.31	0.9717	0.32	0.22	0.17	0.73	0.50	P2O5	0.06
S	K	2.59	0.8172	3.16	0.30	1.60	7.89	0.75	SO3	0.55
Cl	K	0.00	0.8350	0.00	0.00	0.00			Cl	0.00
K	K	5.15	1.0291	5.00	0.34	2.07	6.02	0.41	K2O	0.71
Ca	K	3.94	0.9541	4.13	0.32	1.67	5.78	0.45	CaO	0.57
Ti	K	0.71	0.8126	0.88	0.24	0.30	1.47	0.40	TiO2	0.10
Mn	K	0.00	0.8121	0.00	0.00	0.00			MnO	0.00
Fe	K	6.17	0.8299	7.43	0.58	2.15	9.56	0.75	FeO	0.73
Pb	M	0.00	0.7492	0.00	0.00	0.00			PbO	0.00
Total				127.52+/- 4.29		CompSum	101.44+/- 2.31		CatSum	10.08
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S529

Spectrum: 5 13-Jun-2014 05:00 PM

L./R.time(s) P.time U(kV)
50.00/66.48 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	32.41	0.7569	42.82	2.64	58.90	5.74	3.57	O	21.39
F	K	1.23	0.2017	6.12	2.38	7.09	6.12	2.38	F	2.58
Na	K	1.50	0.7269	2.07	0.46	1.98	2.79	0.62	Na2O	0.72
Mg	K	2.29	0.6721	3.41	0.36	3.09	5.65	0.60	MgO	1.12
Al	K	4.01	0.7558	5.31	0.38	4.33	10.03	0.72	Al2O3	1.57
Si	K	12.75	0.8036	15.86	0.54	12.43	33.93	1.16	SiO2	4.51
P	K	0.19	0.9834	0.19 <	0.20	0.14	0.44 <	0.46	P2O5	0.05
S	K	2.04	0.8274	2.47	0.26	1.69	6.17	0.65	SO3	0.61
Cl	K	0.12	0.8412	0.15	0.14	0.09	0.15	0.14	Cl	0.03
K	K	2.30	1.0452	2.20	0.26	1.24	2.65	0.31	K2O	0.45
Ca	K	8.21	0.9732	8.44	0.42	4.63	11.81	0.59	CaO	1.68
Ti	K	0.93	0.8137	1.15	0.26	0.53	1.92	0.43	TiO2	0.19
Mn	K	0.24	0.8177	0.29	0.26	0.12	0.37	0.34	MnO	0.04
Fe	K	7.77	0.8374	9.27	0.64	3.66	11.93	0.82	FeO	1.33
Pb	M	0.55	0.7580	0.72 <	1.00	0.08	0.78 <	1.08	PbO	0.03
Total				100.47+/- 3.91		CompSum	88.46+/- 2.41		CatSum	12.32
									An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S530

Spectrum: 6 13-Jun-2014 05:01 PM

L./R.time(s) P.time U(kV)
50.00/67.05 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	37.30	0.7642	48.81	2.76	61.49	10.49	3.70	O	21.62
F	K	1.16	0.1902	6.08	2.30	6.45	6.08	2.30	F	2.27
Na	K	2.70	0.7596	3.56	0.50	3.12	4.80	0.67	Na2O	1.10
Mg	K	1.60	0.6821	2.35	0.34	1.95	3.90	0.56	MgO	0.69

Al	K	5.20	0.7768	6.69	0.42	5.00	12.64	0.79	Al2O3	1.76
Si	K	12.69	0.8081	15.70	0.54	11.27	33.59	1.16	SiO2	3.96
P	K	0.11	0.9949	0.11 <	0.18	0.07	0.25 <	0.41	P2O5	0.02
S	K	2.92	0.8336	3.51	0.30	2.20	8.76	0.75	SO3	0.77
Cl	K	0.49	0.8376	0.59	0.18	0.33	0.59	0.18	Cl	0.12
K	K	1.99	1.0361	1.92	0.24	0.99	2.31	0.29	K2O	0.35
Ca	K	8.72	0.9654	9.03	0.42	4.54	12.63	0.59	CaO	1.60
Ti	K	0.63	0.8046	0.78	0.24	0.33	1.30	0.40	TiO2	0.12
Mn	K	0.18	0.8118	0.22 <	0.24	0.08	0.28 <	0.31	MnO	0.03
Fe	K	4.81	0.8310	5.78	0.54	2.09	7.44	0.69	FeO	0.73
Pb	M	0.63	0.7630	0.82 <	1.12	0.08	0.88 <	1.21	PbO	0.03
Total				105.97+/- 3.97		CompSum	88.79+/- 2.47		CatSum	11.15
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S531

Spectrum: 7 13-Jun-2014 05:03 PM

L./R.time(s) P.time U(kV)
50.00/69.56 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	43.88	0.8039	54.55	2.80	61.30	5.43	3.81	O	22.75
F	K	0.69	0.1965	3.51	2.22	3.32	3.51	2.22	F	1.23
Na	K	3.12	0.7978	3.91	0.50	3.06	5.27	0.67	Na2O	1.14
Mg	K	1.95	0.7097	2.75	0.36	2.04	4.56	0.60	MgO	0.76
Al	K	6.53	0.7996	8.17	0.44	5.44	15.44	0.83	Al2O3	2.02
Si	K	20.75	0.8166	25.42	0.66	16.27	54.38	1.41	SiO2	6.04
P	K	0.55	0.9332	0.59	0.24	0.34	1.35	0.55	P2O5	0.13
S	K	1.59	0.7909	2.02	0.26	1.13	5.04	0.65	SO3	0.42
Cl	K	0.10	0.8197	0.12 <	0.16	0.06	0.12 <	0.16	Cl	0.02
K	K	3.82	1.0213	3.74	0.32	1.72	4.51	0.39	K2O	0.64
Ca	K	5.12	0.9530	5.37	0.36	2.41	7.51	0.50	CaO	0.89
Ti	K	1.10	0.8101	1.35	0.26	0.51	2.25	0.43	TiO2	0.19
Mn	K	0.04	0.8129	0.05 <	0.24	0.02	0.06 <	0.31	MnO	0.01
Fe	K	6.10	0.8317	7.34	0.58	2.36	9.44	0.75	FeO	0.88
Pb	M	0.10	0.7267	0.14 <	1.02	0.01	0.15 <	1.10	PbO	0.00
Total				119.04+/- 3.96		CompSum	109.97+/- 2.58		CatSum	13.10
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S532

Spectrum: 8 13-Jun-2014 05:04 PM

L./R.time(s) P.time U(kV)
50.00/61.57 6 20.00

Peak omited: 7.520 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	8.31	0.6227	13.34	1.70	41.69	-10.26	2.60	O	18.70
F	K	1.11	0.2472	4.49	1.24	11.81	4.49	1.24	F	5.30
Na	K	1.02	0.7568	1.35	0.30	2.93	1.82	0.40	Na2O	1.31
Mg	K	0.41	0.6879	0.60	0.20	1.23	0.99	0.33	MgO	0.55
Al	K	2.18	0.7976	2.73	0.26	5.05	5.16	0.49	Al2O3	2.27

Si K	8.81	0.8367	10.53	0.42	18.73	22.53	0.90	SiO2	8.40
P K	0.15	0.9630	0.15 <	0.16	0.24	0.34 <	0.37	P2O5	0.11
S K	2.12	0.8153	2.60	0.26	4.05	6.49	0.65	SO3	1.82
Cl K	0.00	0.8143	0.00	0.00	0.00			Cl	0.00
K K	3.40	1.0291	3.31	0.30	4.23	3.99	0.36	K2O	1.90
Ca K	2.82	0.9484	2.97	0.28	3.70	4.16	0.39	CaO	1.66
Ti K	0.80	0.8153	0.99	0.24	1.03	1.65	0.40	TiO2	0.46
Mn K	0.09	0.8269	0.11 <	0.22	0.10	0.14 <	0.28	MnO	0.04
Fe K	4.80	0.8491	5.65	0.52	5.06	7.27	0.67	FeO	2.27
Pb M	0.46	0.7481	0.61 <	0.94	0.15	0.66 <	1.01	PbO	0.07
Total			49.42+/- 2.51	CompSum		55.20+/- 1.97		CatSum	20.86
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S533

Spectrum: 9 13-Jun-2014 05:06 PM

L./R.time(s) P.time U(kV)
50.00/65.32 6 20.00

Peak omited: 5.410 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.62	0.9992	19.62	1.60	48.95	-5.83	2.74	O	23.38
F K	0.20	0.3288	0.61 <	1.30	1.29	0.61 <	1.30	F	0.62
Na K	0.74	0.4835	1.54	0.50	2.67	2.08	0.67	Na2O	1.28
Mg K	0.55	0.4768	1.14	0.32	1.88	1.89	0.53	MgO	0.90
Al K	1.14	0.5939	1.93	0.32	2.85	3.65	0.60	Al2O3	1.36
Si K	1.65	0.7027	2.34	0.28	3.33	5.01	0.60	SiO2	1.59
P K	0.44	1.0372	0.43	0.20	0.55	0.99	0.46	P2O5	0.26
S K	2.88	0.8748	3.29	0.28	4.09	8.21	0.70	SO3	1.95
Cl K	0.00	0.8873	0.00	0.00	0.00			Cl	0.00
K K	1.75	1.1174	1.56	0.24	1.60	1.88	0.29	K2O	0.76
Ca K	1.70	1.0621	1.60	0.24	1.59	2.24	0.34	CaO	0.76
Ti K	2.32	0.9358	2.48	0.30	2.06	4.14	0.50	TiO2	0.98
Mn K	0.28	0.8878	0.31	0.28	0.23	0.40	0.36	MnO	0.11
Fe K	36.78	0.9090	40.47	1.16	28.92	52.06	1.49	FeO	13.82
Pb M	0.00	0.8020	0.00	0.00	0.00			PbO	0.00
Total			77.32+/- 2.56	CompSum		82.54+/- 2.23		CatSum	23.78
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S534

Spectrum: 10 13-Jun-2014 05:07 PM

L./R.time(s) P.time U(kV)
50.00/67.92 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	36.00	0.7712	46.65	2.70	60.57	4.18	3.66	O	22.54
F K	0.70	0.1972	3.57	2.12	3.90	3.57	2.12	F	1.45
Na K	2.15	0.7836	2.74	0.46	2.47	3.69	0.62	Na2O	0.92
Mg K	1.51	0.7076	2.14	0.32	1.82	3.55	0.53	MgO	0.68
Al K	5.62	0.8018	7.01	0.42	5.39	13.25	0.79	Al2O3	2.01
Si K	17.40	0.8219	21.17	0.60	15.66	45.29	1.28	SiO2	5.83

P	K	0.48	0.9514	0.50	0.22	0.34	1.15	0.50	P2O5	0.13
S	K	1.80	0.8033	2.24	0.28	1.45	5.59	0.70	SO3	0.54
Cl	K	0.04	0.8238	0.05 <	0.16	0.03	0.05 <	0.16	Cl	0.01
K	K	5.55	1.0243	5.42	0.36	2.88	6.53	0.43	K2O	1.07
Ca	K	3.89	0.9469	4.11	0.34	2.13	5.75	0.48	CaO	0.79
Ti	K	1.06	0.8103	1.30	0.26	0.57	2.17	0.43	TiO2	0.21
Mn	K	0.24	0.8149	0.29	0.24	0.11	0.37	0.31	MnO	0.04
Fe	K	5.84	0.8343	6.99	0.58	2.60	8.99	0.75	FeO	0.97
Pb	M	0.49	0.7373	0.67 <	1.00	0.07	0.72 <	1.08	PbO	0.03
Total				104.87+/- 3.81	CompSum		97.05+/- 2.47		CatSum	13.21
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S535

Spectrum: 11 13-Jun-2014 05:08 PM

L./R.time(s) P.time U(kV)
50.00/69.16 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	56.74	0.9174	61.85	2.84	61.09	16.19	3.87	O	20.68
F	K	2.33	0.1986	11.75	2.82	9.77	11.75	2.82	F	3.31
Na	K	3.94	0.7624	5.16	0.58	3.55	6.96	0.78	Na2O	1.20
Mg	K	1.62	0.6773	2.40	0.36	1.56	3.98	0.60	MgO	0.53
Al	K	5.62	0.7767	7.23	0.44	4.23	13.66	0.83	Al2O3	1.43
Si	K	17.87	0.8138	21.96	0.62	12.36	46.98	1.33	SiO2	4.18
P	K	0.22	0.9750	0.22	0.22	0.11	0.50	0.50	P2O5	0.04
S	K	3.12	0.8192	3.81	0.32	1.88	9.51	0.80	SO3	0.64
Cl	K	0.10	0.8291	0.12 <	0.16	0.05	0.12 <	0.16	Cl	0.02
K	K	4.77	1.0233	4.66	0.34	1.88	5.61	0.41	K2O	0.64
Ca	K	3.34	0.9521	3.51	0.32	1.38	4.91	0.45	CaO	0.47
Ti	K	0.84	0.8126	1.04	0.24	0.34	1.73	0.40	TiO2	0.12
Mn	K	0.07	0.8132	0.08 <	0.24	0.02	0.10 <	0.31	MnO	0.01
Fe	K	4.99	0.8310	6.01	0.54	1.70	7.73	0.69	FeO	0.58
Pb	M	0.55	0.7511	0.73 <	1.12	0.06	0.79 <	1.21	PbO	0.02
Total				130.53+/- 4.37	CompSum		102.47+/- 2.62		CatSum	9.84
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S536

Spectrum: 12 13-Jun-2014 05:10 PM

L./R.time(s) P.time U(kV)
50.00/66.38 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	34.68	0.8233	42.13	2.48	57.96	3.59	3.45	O	21.12
F	K	1.40	0.2077	6.73	2.18	7.80	6.73	2.18	F	2.84
Na	K	2.81	0.7709	3.65	0.48	3.50	4.92	0.65	Na2O	1.28
Mg	K	1.30	0.6860	1.90	0.32	1.72	3.15	0.53	MgO	0.63
Al	K	4.92	0.7839	6.28	0.40	5.12	11.87	0.76	Al2O3	1.87
Si	K	15.14	0.8110	18.67	0.58	14.63	39.94	1.24	SiO2	5.33
P	K	0.22	0.9523	0.23	0.22	0.17	0.53	0.50	P2O5	0.06
S	K	2.09	0.8056	2.59	0.28	1.78	6.47	0.70	SO3	0.65

Cl	K	0.15	0.8240	0.18	0.16	0.11	0.18	0.16	Cl	0.04
K	K	3.25	1.0249	3.17	0.28	1.78	3.82	0.34	K2O	0.65
Ca	K	3.81	0.9563	3.98	0.32	2.19	5.57	0.45	CaO	0.80
Ti	K	0.97	0.8145	1.19	0.26	0.55	1.98	0.43	TiO2	0.20
Mn	K	0.00	0.8161	0.00	0.00	0.00			MnO	0.00
Fe	K	5.63	0.8349	6.74	0.56	2.66	8.67	0.72	FeO	0.97
Pb	M	0.23	0.7395	0.30 <	1.02	0.03	0.32 <	1.10	PbO	0.01
Total				97.75+/- 3.67	CompSum		87.24+/- 2.40		CatSum	12.44
									An.Sum	24.00

Inferred phases: altered silicate glass

Table S537

Spectrum: 13 13-Jun-2014 05:11 PM

L./R.time(s) P.time U(kV)
50.00/65.26 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	25.23	0.7763	32.48	2.32	54.21	-1.79 <	3.11	O	20.82
F	K	1.29	0.2214	5.82	1.90	8.19	5.82	1.90	F	3.14
Na	K	1.96	0.7452	2.63	0.44	3.05	3.55	0.59	Na2O	1.17
Mg	K	1.08	0.6747	1.60	0.30	1.76	2.65	0.50	MgO	0.68
Al	K	4.29	0.7753	5.53	0.38	5.47	10.45	0.72	Al2O3	2.10
Si	K	12.77	0.8049	15.87	0.54	15.09	33.95	1.16	SiO2	5.79
P	K	0.27	0.9529	0.28	0.20	0.24	0.64	0.46	P2O5	0.09
S	K	1.89	0.8075	2.35	0.26	1.95	5.87	0.65	SO3	0.75
Cl	K	0.11	0.8294	0.14	0.14	0.10	0.14	0.14	Cl	0.04
K	K	4.23	1.0333	4.09	0.32	2.80	4.93	0.39	K2O	1.08
Ca	K	3.39	0.9572	3.54	0.30	2.36	4.95	0.42	CaO	0.91
Ti	K	0.77	0.8199	0.94	0.24	0.52	1.57	0.40	TiO2	0.20
Mn	K	0.05	0.8217	0.06 <	0.22	0.03	0.08 <	0.28	MnO	0.01
Fe	K	7.41	0.8412	8.81	0.62	4.21	11.33	0.80	FeO	1.62
Pb	M	0.00	0.7412	0.00	0.00	0.00			PbO	0.00
Total				84.13+/- 3.24	CompSum		79.97+/- 2.07		CatSum	14.39
									An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S538

Spectrum: 14 13-Jun-2014 05:12 PM

L./R.time(s) P.time U(kV)
50.00/70.45 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt		A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O	K	56.18	0.8707	64.52	2.98	61.51	16.54	3.95	O	21.18
F	K	1.97	0.1955	10.10	2.92	8.11	10.10	2.92	F	2.79
Na	K	3.79	0.7682	4.94	0.56	3.27	6.66	0.75	Na2O	1.13
Mg	K	1.57	0.6853	2.29	0.36	1.43	3.80	0.60	MgO	0.49
Al	K	6.65	0.7858	8.46	0.46	4.79	15.98	0.87	Al2O3	1.65
Si	K	19.95	0.8135	24.52	0.66	13.32	52.46	1.41	SiO2	4.59
P	K	0.44	0.9628	0.46	0.22	0.22	1.05	0.50	P2O5	0.08
S	K	1.61	0.8111	1.98	0.26	0.94	4.94	0.65	SO3	0.32
Cl	K	0.13	0.8351	0.15 <	0.16	0.07	0.15 <	0.16	Cl	0.02
K	K	6.50	1.0285	6.32	0.38	2.47	7.61	0.46	K2O	0.85

Ca K	4.10	0.9505	4.31	0.34	1.64	6.03	0.48	CaO	0.56
Ti K	0.92	0.8108	1.14	0.26	0.36	1.90	0.43	TiO2	0.12
Mn K	0.09	0.8125	0.11 <	0.24	0.03	0.14 <	0.31	MnO	0.01
Fe K	5.48	0.8307	6.60	0.54	1.80	8.49	0.69	FeO	0.62
Pb M	0.34	0.7439	0.46 <	1.00	0.03	0.50 <	1.08	PbO	0.01
Total			136.34+/- 4.51		CompSum	109.57+/- 2.59		CatSum	10.43
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S539

Spectrum: 15 13-Jun-2014 05:14 PM

L./R.time(s) P.time U(kV)
50.00/64.86 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	19.98	0.7072	28.24	2.24	52.45	-7.28	3.19	O	21.54
F K	0.83	0.2204	3.77	1.62	5.90	3.77	1.62	F	2.42
Na K	1.41	0.7796	1.80	0.36	2.33	2.43	0.49	Na2O	0.96
Mg K	1.13	0.7085	1.59	0.26	1.95	2.64	0.43	MgO	0.80
Al K	4.88	0.8033	6.07	0.38	6.68	11.47	0.72	Al2O3	2.74
Si K	13.93	0.8122	17.15	0.54	18.15	36.69	1.16	SiO2	7.46
P K	0.42	0.9274	0.46	0.20	0.44	1.05	0.46	P2O5	0.18
S K	1.53	0.7887	1.94	0.26	1.80	4.84	0.65	SO3	0.74
Cl K	0.08	0.8158	0.10 <	0.16	0.08	0.10 <	0.16	Cl	0.03
K K	2.59	1.0265	2.53	0.26	1.92	3.05	0.31	K2O	0.79
Ca K	4.56	0.9590	4.76	0.34	3.53	6.66	0.48	CaO	1.45
Ti K	1.03	0.8148	1.27	0.26	0.79	2.12	0.43	TiO2	0.32
Mn K	0.12	0.8200	0.14 <	0.24	0.08	0.18 <	0.31	MnO	0.03
Fe K	6.16	0.8402	7.33	0.58	3.90	9.43	0.75	FeO	1.60
Pb M	0.07	0.7251	0.09 <	0.96	0.01	0.10 <	1.03	PbO	0.00
Total			77.24+/- 3.16		CompSum	80.65+/- 2.27		CatSum	17.08
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S540

Spectrum: 16 13-Jun-2014 05:15 PM

L./R.time(s) P.time U(kV)
50.00/69.49 6 20.00

Peak omited: 8.030 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	59.13	0.9378	63.05	2.86	61.59	18.94	3.89	O	20.65
F K	2.40	0.1984	12.12	3.06	9.97	12.12	3.06	F	3.34
Na K	4.45	0.7464	5.96	0.62	4.05	8.03	0.84	Na2O	1.36
Mg K	1.33	0.6602	2.02	0.36	1.30	3.35	0.60	MgO	0.44
Al K	5.66	0.7649	7.40	0.44	4.29	13.98	0.83	Al2O3	1.44
Si K	15.35	0.8046	19.07	0.60	10.61	40.80	1.28	SiO2	3.56
P K	0.42	0.9920	0.42	0.22	0.21	0.96	0.50	P2O5	0.07
S K	3.75	0.8294	4.52	0.32	2.20	11.29	0.80	SO3	0.74
Cl K	0.01	0.8356	0.02 <	0.16	0.01	0.02 <	0.16	Cl	0.00
K K	5.49	1.0287	5.34	0.34	2.13	6.43	0.41	K2O	0.71
Ca K	3.17	0.9540	3.32	0.30	1.29	4.65	0.42	CaO	0.43

Ti K	0.68	0.8149	0.83	0.24	0.27	1.38	0.40	TiO2	0.09
Mn K	0.06	0.8141	0.07 <	0.24	0.02	0.09 <	0.31	MnO	0.01
Fe K	6.01	0.8318	7.22	0.58	2.02	9.29	0.75	FeO	0.68
Pb M	0.31	0.7599	0.41 <	1.14	0.03	0.44 <	1.23	PbO	0.01
Total			131.76+/- 4.55		CompSum	100.69+/- 2.64		CatSum	9.53
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S541

Spectrum: 17 13-Jun-2014 05:16 PM

L./R.time(s) P.time U(kV)
50.00/67.58 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	52.91	0.9622	54.98	2.72	65.67	20.76	3.78	O	22.10
F K	1.13	0.2026	5.56	3.46	5.60	5.56	3.46	F	1.88
Na K	2.81	0.6231	4.52	0.64	3.75	6.09	0.86	Na2O	1.26
Mg K	1.20	0.5771	2.09	0.38	1.64	3.47	0.63	MgO	0.55
Al K	2.71	0.6873	3.94	0.38	2.79	7.44	0.72	Al2O3	0.94
Si K	7.06	0.7695	9.18	0.44	6.25	19.64	0.94	SiO2	2.10
P K	0.08	1.0401	0.07 <	0.20	0.05	0.16 <	0.46	P2O5	0.02
S K	3.52	0.8671	4.06	0.32	2.42	10.14	0.80	SO3	0.81
Cl K	0.08	0.8682	0.09 <	0.16	0.05	0.09 <	0.16	Cl	0.02
K K	2.70	1.0671	2.53	0.26	1.24	3.05	0.31	K2O	0.42
Ca K	2.01	1.0026	2.00	0.26	0.96	2.80	0.36	CaO	0.32
Ti K	4.63	0.8572	5.40	0.40	2.16	9.01	0.67	TiO2	0.73
Mn K	0.27	0.8318	0.32	0.26	0.11	0.41	0.34	MnO	0.04
Fe K	18.08	0.8505	21.25	0.88	7.27	27.34	1.13	FeO	2.45
Pb M	0.41	0.7930	0.52 <	1.12	0.05	0.56 <	1.21	PbO	0.02
Total			116.52+/- 4.78		CompSum	90.10+/- 2.63		CatSum	9.65
								An.Sum	24.00

Inferred phases: altered silicate glass (microsphere)

Table S542

Spectrum: 18 13-Jun-2014 05:18 PM

L./R.time(s) P.time U(kV)
50.00/63.55 6 20.00

Peak omited: 8.049 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	28.54	0.9572	29.81	2.02	59.52	6.09	3.07	O	21.51
F K	0.95	0.2359	4.02	2.34	6.76	4.02	2.34	F	2.44
Na K	1.39	0.5881	2.37	0.50	3.29	3.19	0.67	Na2O	1.19
Mg K	0.94	0.5559	1.70	0.32	2.23	2.82	0.53	MgO	0.81
Al K	1.60	0.6638	2.42	0.30	2.86	4.57	0.57	Al2O3	1.03
Si K	2.80	0.7539	3.71	0.30	4.22	7.94	0.64	SiO2	1.52
P K	0.10	1.0621	0.10 <	0.16	0.10	0.23 <	0.37	P2O5	0.04
S K	4.32	0.8831	4.90	0.32	4.88	12.24	0.80	SO3	1.76
Cl K	0.13	0.8640	0.15	0.14	0.14	0.15	0.14	Cl	0.05
K K	2.63	1.0703	2.46	0.26	2.01	2.96	0.31	K2O	0.73
Ca K	2.18	1.0014	2.17	0.26	1.73	3.04	0.36	CaO	0.63
Ti K	1.09	0.8651	1.26	0.24	0.84	2.10	0.40	TiO2	0.30

Mn K	0.24	0.8446	0.28	0.24	0.16	0.36	0.31	MnO	0.06
Fe K	16.95	0.8638	19.62	0.86	11.22	25.24	1.11	FeO	4.05
Pb M	0.15	0.8070	0.19 <	1.10	0.03	0.20 <	1.18	PbO	0.01
Total			75.15+/- 3.53		CompSum	64.90+/- 2.31		CatSum	12.13
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S543

Spectrum: 19 13-Jun-2014 05:19 PM

L./R.time(s) P.time U(kV)
50.00/66.64 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	30.13	0.9731	30.97	2.00	55.99	1.63 <	3.31	O	22.53
F K	0.66	0.2740	2.39	1.80	3.64	2.39	1.80	F	1.46
Na K	1.03	0.5169	1.99	0.54	2.50	2.68	0.73	Na2O	1.01
Mg K	0.86	0.5050	1.70	0.38	2.03	2.82	0.63	MgO	0.82
Al K	1.58	0.6194	2.56	0.34	2.74	4.84	0.64	Al2O3	1.10
Si K	3.18	0.7222	4.41	0.34	4.54	9.43	0.73	SiO2	1.83
P K	0.07	1.0379	0.07 <	0.20	0.06	0.16 <	0.46	P2O5	0.02
S K	2.79	0.8745	3.19	0.30	2.88	7.97	0.75	SO3	1.16
Cl K	0.01	0.8851	0.02 <	0.16	0.01	0.02 <	0.16	Cl	0.00
K K	1.13	1.1056	1.02	0.22	0.76	1.23	0.27	K2O	0.31
Ca K	2.74	1.0511	2.61	0.26	1.88	3.65	0.36	CaO	0.76
Ti K	3.85	0.9111	4.23	0.38	2.55	7.06	0.63	TiO2	1.03
Mn K	0.33	0.8689	0.38	0.30	0.20	0.49	0.39	MnO	0.08
Fe K	34.60	0.8894	38.90	1.16	20.15	50.04	1.49	FeO	8.11
Pb M	0.34	0.8011	0.43 <	1.08	0.06	0.46 <	1.16	PbO	0.02
Total			94.86+/- 3.31		CompSum	90.83+/- 2.64		CatSum	16.24
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S544

Spectrum: 20 13-Jun-2014 05:20 PM

L./R.time(s) P.time U(kV)
50.00/56.29 6 20.00

Peak omited: 8.080 keV
Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	1.17	0.7400	1.58	0.66	21.45
F K	1.54	0.3581	4.30	0.78	49.10
Na K	0.15	0.6064	0.25	0.16	2.35
Mg K	0.03	0.5788	0.05 <	0.08	0.44
Al K	0.15	0.7052	0.22	0.10	1.74
Si K	0.38	0.8056	0.47	0.12	3.61
P K	0.00	1.1320	0.00	0.00	0.00
S K	0.91	0.9269	0.98	0.16	6.63
Cl K	0.00	0.8648	0.00	0.00	0.00
K K	1.13	1.0672	1.06	0.18	5.90
Ca K	0.47	0.9632	0.48	0.16	2.63
Ti K	0.06	0.8325	0.07 <	0.16	0.31
Mn K	0.00	0.8419	0.00	0.00	0.00

Fe K	1.24	0.8635	1.43	0.32	5.58
Pb M	0.22	0.8437	0.26 <	0.58	0.27
Total			11.14+/- 1.28		

Inferred phases: altered silicate glass, Fe2O3

Table S545

Spectrum: 21 13-Jun-2014 05:22 PM

L./R.time(s) P.time U(kV)
50.00/60.62 6 20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.37	0.7010	3.38	0.82	19.18
F K	0.50	0.3949	1.28	0.46	6.10
Na K	0.33	0.5252	0.63	0.26	2.49
Mg K	0.20	0.5145	0.39	0.18	1.46
Al K	0.99	0.6372	1.55	0.24	5.21
Si K	2.65	0.7331	3.61	0.28	11.66
P K	0.11	1.0146	0.11 <	0.12	0.31
S K	2.56	0.8629	2.96	0.26	8.38
Cl K	0.00	0.8535	0.00	0.00	0.00
K K	2.85	1.0948	2.60	0.26	6.03
Ca K	1.73	1.0214	1.69	0.24	3.82
Ti K	1.00	0.9042	1.11	0.22	2.10
Mn K	0.18	0.8898	0.20 <	0.24	0.33
Fe K	18.45	0.9149	20.16	0.84	32.74
Pb M	0.34	0.7918	0.43 <	0.90	0.19
Total			40.10+/- 1.72		

Inferred phases: altered silicate glass, Fe2O3

Table S546

Spectrum: 22 13-Jun-2014 05:23 PM

L./R.time(s) P.time U(kV)
50.00/61.91 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	17.06	0.8673	19.67	1.78	53.71	2.70	2.58	O	18.41
F K	1.57	0.2216	7.09	1.84	16.30	7.09	1.84	F	5.59
Na K	1.78	0.7309	2.43	0.42	4.63	3.28	0.57	Na2O	1.59
Mg K	0.52	0.6449	0.80	0.24	1.44	1.33	0.40	MgO	0.49
Al K	1.60	0.7509	2.13	0.26	3.45	4.02	0.49	Al2O3	1.18
Si K	4.77	0.8094	5.90	0.34	9.18	12.62	0.73	SiO2	3.15
P K	0.21	1.0266	0.21	0.16	0.29	0.48	0.37	P2O5	0.10
S K	2.57	0.8510	3.02	0.28	4.11	7.54	0.70	SO3	1.41
Cl K	0.00	0.8303	0.00	0.00	0.00			Cl	0.00
K K	1.99	1.0291	1.93	0.22	2.16	2.32	0.27	K2O	0.74
Ca K	1.83	0.9552	1.92	0.24	2.09	2.69	0.34	CaO	0.72
Ti K	0.13	0.8147	0.16 <	0.20	0.15	0.27 <	0.33	TiO2	0.05
Mn K	0.00	0.8186	0.00	0.00	0.00			MnO	0.00
Fe K	2.58	0.8372	3.08	0.40	2.41	3.96	0.51	FeO	0.83
Pb M	0.34	0.7786	0.44 <	0.96	0.09	0.47 <	1.03	PbO	0.03
Total			48.77+/- 2.88		CompSum	38.99+/- 1.87		CatSum	10.28

										An.Sum	24.00

Inferred phases: altered silicate glass

Table S547

Spectrum: 23 13-Jun-2014 05:24 PM

L./R.time(s) P.time U(kV)
50.00/58.98 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	4.05	0.5572	7.28	1.38	41.00	-5.30	2.10	O	19.08
F K	0.53	0.2393	2.23	0.90	10.58	2.23	0.90	F	4.92
Na K	0.31	0.6686	0.46	0.20	1.80	0.62	0.27	Na2O	0.84
Mg K	0.15	0.6336	0.23	0.14	0.87	0.38	0.23	MgO	0.40
Al K	0.85	0.7538	1.12	0.18	3.75	2.12	0.34	Al2O3	1.74
Si K	3.37	0.8259	4.08	0.28	13.07	8.73	0.60	SiO2	6.08
P K	0.07	1.0405	0.06 <	0.12	0.19	0.14 <	0.27	P2O5	0.09
S K	1.61	0.8704	1.85	0.22	5.19	4.62	0.55	SO3	2.41
Cl K	0.00	0.8543	0.00	0.00	0.00			Cl	0.00
K K	3.40	1.0675	3.19	0.26	7.34	3.84	0.31	K2O	3.42
Ca K	2.42	0.9588	2.52	0.26	5.67	3.53	0.36	CaO	2.64
Ti K	0.61	0.8213	0.74	0.20	1.40	1.23	0.33	TiO2	0.65
Mn K	0.14	0.8344	0.17 <	0.22	0.27	0.22 <	0.28	MnO	0.13
Fe K	4.64	0.8583	5.40	0.50	8.71	6.95	0.64	FeO	4.05
Pb M	0.29	0.7946	0.37 <	0.78	0.16	0.40 <	0.84	PbO	0.07
Total			29.72+/- 2.01		CompSum	32.77+/- 1.59		CatSum	22.53
								An.Sum	24.00

Inferred phases: altered silicate glass, Fe2O3

Table S548

Spectrum: 24 13-Jun-2014 05:25 PM

L./R.time(s) P.time U(kV)
50.00/62.01 6 20.00

Counted by INCA
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%
O K	2.70	1.3067	2.06	0.52	11.03
F K	0.81	0.6430	1.27	0.36	5.71
Na K	0.25	0.3957	0.63	0.28	2.34
Mg K	0.10	0.4007	0.25	0.20	0.88
Al K	0.24	0.5196	0.46	0.18	1.44
Si K	0.48	0.6469	0.75	0.18	2.27
P K	0.01	0.9995	0.01 <	0.12	0.02
S K	0.64	0.8656	0.74	0.16	1.97
Cl K	0.08	0.9110	0.09 <	0.12	0.22
K K	0.39	1.1680	0.34	0.16	0.73
Ca K	0.31	1.1321	0.27	0.16	0.58
Ti K	0.13	1.0371	0.12 <	0.16	0.22
Mn K	1.22	0.9543	1.28	0.32	2.00
Fe K	44.96	0.9769	46.02	1.18	70.51
Pb M	0.16	0.7970	0.20 <	0.64	0.08
Total			54.48+/- 1.62		

Inferred phases: altered silicate glass, Fe2O3

Table S549

Spectrum: 25 13-Jun-2014 05:27 PM

L./R.time(s) P.time U(kV)
50.00/69.38 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	45.05	0.7969	56.50	2.88	63.40	10.00	3.83	O	22.93
F K	0.59	0.1894	3.10	2.48	2.93	3.10	2.48	F	1.06
Na K	2.46	0.7898	3.12	0.48	2.43	4.21	0.65	Na2O	0.88
Mg K	1.51	0.7119	2.12	0.32	1.57	3.52	0.53	MgO	0.57
Al K	6.21	0.8079	7.69	0.44	5.11	14.53	0.83	Al2O3	1.85
Si K	20.65	0.8264	24.99	0.66	15.97	53.46	1.41	SiO2	5.77
P K	0.40	0.9426	0.42	0.22	0.24	0.96	0.50	P2O5	0.09
S K	1.28	0.7980	1.60	0.24	0.90	4.00	0.60	SO3	0.33
Cl K	0.07	0.8270	0.08 <	0.16	0.04	0.08 <	0.16	Cl	0.01
K K	6.07	1.0243	5.93	0.38	2.72	7.14	0.46	K2O	0.98
Ca K	4.32	0.9460	4.56	0.36	2.04	6.38	0.50	CaO	0.74
Ti K	0.95	0.8074	1.18	0.26	0.44	1.97	0.43	TiO2	0.16
Mn K	0.03	0.8113	0.04 <	0.26	0.01	0.05 <	0.34	MnO	0.00
Fe K	5.56	0.8301	6.70	0.56	2.15	8.62	0.72	FeO	0.78
Pb M	0.18	0.7325	0.24 <	0.96	0.02	0.26 <	1.03	PbO	0.01
Total			118.27+/-	4.15	CompSum	105.09+/-	2.52	CatSum	12.15
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S550

Spectrum: 26 13-Jun-2014 05:28 PM

L./R.time(s) P.time U(kV)
50.00/64.92 6 20.00

Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	20.17	0.7365	27.36	2.20	49.40	-7.67	3.11	O	19.83
F K	1.57	0.2313	6.80	1.74	10.34	6.80	1.74	F	4.15
Na K	1.82	0.7858	2.31	0.38	2.91	3.11	0.51	Na2O	1.17
Mg K	1.08	0.7057	1.53	0.28	1.81	2.54	0.46	MgO	0.73
Al K	4.45	0.8025	5.55	0.38	5.94	10.49	0.72	Al2O3	2.38
Si K	15.24	0.8198	18.59	0.56	19.12	39.77	1.20	SiO2	7.67
P K	0.26	0.9207	0.28	0.20	0.26	0.64	0.46	P2O5	0.10
S K	0.97	0.7852	1.24	0.22	1.12	3.10	0.55	SO3	0.45
Cl K	0.05	0.8128	0.07 <	0.14	0.05	0.07 <	0.14	Cl	0.02
K K	2.51	1.0224	2.46	0.26	1.82	2.96	0.31	K2O	0.73
Ca K	4.12	0.9568	4.30	0.32	3.10	6.02	0.45	CaO	1.24
Ti K	0.92	0.8151	1.12	0.26	0.68	1.87	0.43	TiO2	0.27
Mn K	0.22	0.8213	0.26	0.24	0.14	0.34	0.31	MnO	0.06
Fe K	5.23	0.8414	6.21	0.54	3.21	7.99	0.69	FeO	1.29
Pb M	0.53	0.7223	0.74 <	0.84	0.10	0.80 <	0.90	PbO	0.04
Total			78.82+/-	3.15	CompSum	79.62+/-	2.20	CatSum	16.14
								An.Sum	24.00

Inferred phases: altered silicate glass

Table S551

Site: F6x
Spectrum: Spectrum 1 13-Jun-2014 06:00 PM
L./R.time(s) P.time U(kV)
22.67/32.82 6 20.00
Peak omited: 15.760 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.61	0.8178	12.98	1.94	58.19	-5.33 <	6.73	O	24.00
Fe K	17.36	1.0725	16.19	1.16	20.80	20.83	1.49	FeO	8.58
W L	44.09	0.8535	51.65	4.60	20.16	65.13	5.80	WO3	8.31
Re M	1.69	0.7642	2.21	2.18	0.85	2.40	2.37	ReO	0.35
Total			83.03+/- 5.57	CompSum		88.36+/- 6.44		CatSum	17.24
								An.Sum	24.00

Inferred phases: Fe(W,Re)O4

Table S552

Spectrum: Spectrum 2 13-Jun-2014 06:43 PM
L./R.time(s) P.time U(kV)
100.00/143.42 6 20.00
Peaks Omited: 1.040, 18.320 keV
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	9.85	0.8095	12.17	0.90	56.50	-6.38	3.17	O	24.00
Fe K	17.34	1.0775	16.09	0.54	21.40	20.70	0.69	FeO	9.09
W L	45.27	0.8584	52.73	2.18	21.30	66.50	2.75	WO3	9.05
Re M	1.56	0.7655	2.03	1.00	0.81	2.20	1.09	ReO	0.34
Total			83.03+/- 2.62	CompSum		89.40+/- 3.04		CatSum	18.48

Inferred phases: Fe(W,Re)O4

Table S553

Spectrum: Spectrum 3 13-Jun-2014 06:45 PM
L./R.time(s) P.time U(kV)
100.00/143.10 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%		Formula
O K	10.82	0.8150	13.28	0.88	58.02	-5.76	3.16	O	24.00
Fe K	17.74	1.0741	16.51	0.54	20.66	21.24	0.69	FeO	8.55
W L	46.32	0.8551	54.16	2.18	20.59	68.30	2.75	WO3	8.52
Re M	1.48	0.7647	1.94	1.00	0.73	2.11	1.09	ReO	0.30
Total			85.89+/- 2.61	CompSum		91.65+/- 3.04		CatSum	17.37

Inferred phases: Fe(W,Re)O4

Table S554

An.Sum 24.00
Spectrum: Spectrum 4 13-Jun-2014 06:48 PM
L./R.time(s) P.time U(kV)
100.00/143.32 6 20.00
Counted by INCA/Oxygen by stoichiometry
INCA Proc.Option: All elements analyzed

Elmt	A.C.%	IntC.	Wt%	2σ wt%	At%	Comp%	dComp%	Formula

O	K	10.31	0.8146	12.66	0.90	57.44	-5.78	3.15	O	24.00
Fe	K	17.45	1.0745	16.24	0.54	21.12	20.89	0.69	FeO	8.82
W	L	44.56	0.8554	52.09	2.16	20.57	65.69	2.72	WO3	8.59
Re	M	1.69	0.7647	2.22	1.00	0.86	2.41	1.09	ReO	0.36
Total				83.21+/-	2.60	CompSum	88.99+/-	3.01	CatSum	17.78
									An.Sum	24.00

Inferred phases: Fe(W,Re)O4

Table S555

Sample: Ni-Fe-O
Type: Default
ID:
Processing option : All elements analysed
All results in weight%

Spectrum	O	Na	Mg	Al	Si	S	Cl	K	Ti	Fe	Ni	Ag	Total
	wt. %												
1	28.5	0.61	0	0.02	0.26	0	0.2	0.08	1.6	13.2	57	0.03	101.5
2	14.3	0.89	0.19	0.24	0.63	0.12	0.1	0	0.1	3.4	73.9	0.19	94.05
3	18.3	0.54	0.12	0.02	0.15	0	0.17	0	0.12	3.13	76.1	0	98.58
4	39.5	0.32	0.17	0.31	0.23	0.11	0.04	0	4.78	40.4	26.6	0	112.4
5	41.6	0.86	0	0.33	0.09	0	0.17	0.03	4.6	38.8	24.9	0	111.4
6	21.2	0.71	0	0.32	0.12	0.04	0.22	0.03	0.15	2.43	73.9	0	99.12
7	36.7	0.85	0	0.09	0.55	0.17	0.23	0.12	4.01	38.5	23.1	0.01	104.3
8	26.7	0.59	0	0.41	0.65	0.11	0	0	4.19	37.5	23.2	0	93.35
9	45.1	6.95	0.13	18.4	0.74	0.14	5.37	0.13	0.1	1.61	0.74	0	79.39
10	19.4	0.06	0	0	0.16	0.06	0.08	0.11	0.04	2.55	71.9	0.19	94.52
11	19.9	3.07	1.3	3.51	11.9	0.02	1.46	0.72	1.46	12.1	31.1	0.11	86.63
12	49.8	4.09	0.29	1.19	2.95	6.15	0.13	0	0.11	1.04	16.6	35.3	117.6
13	35.4	1.45	0.1	0.23	1.05	0.04	0.1	0.04	0.09	1.96	69.9	0	110.4
14	48.2	1.8	0	0.35	1.03	0	0	0.12	4.06	36.6	23.8	0.23	116.3
15	52	3.94	0.61	4.85	12.6	0.44	0.72	0.53	0.28	2.44	43	0.27	121.7
16	52.3	6.65	0.69	3.51	10.4	0.26	1.53	0.88	2.81	19.8	19.6	0	118.3
17	49.9	2.8	0.26	0.98	0.92	0	0.25	0.08	3.89	34.1	21.8	0.12	115.1

Inferred phases: Ni(Fe,Ti)2O4, NiO, Ag2S