

Prz (citzaf)
Asynchronous Mode.

UNK No. = 172 ./adam?/170909 dated Sat Sep 18 15:08:02 2004
11 Elements WDS only X= 40.164 Y= 19.947 Z= 11.105
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4	PETH Ba T	1	89.098	685.1(10.0)	345.0(5.0)	329.0(5.0)
1	TAP Al T	1	90.481	26352.2(10.0)	152.0(5.0)	79.0(5.0)
3	PETJ K T	1	119.829	76.0(10.0)	41.0(5.0)	30.0(5.0)
5	TAPH Na T	1	129.353	17495.6(10.0)	95.0(5.0)	55.0(5.0)
2	LIF Mn T	1	146.006	35.0(10.0)	15.0(5.0)	8.0(5.0)
1	TAP Si T	1	77.214	90777.5(10.0)	1153.3(5.0)	127.0(5.0)
3	PETJ Ca T	1	107.560	102.0(10.0)	55.0(5.0)	47.0(5.0)
2	LIF Fe T	1	134.430	52.0(10.0)	28.0(5.0)	19.0(5.0)
5	TAPH Mg T	1	107.374	234.0(10.0)	162.0(5.0)	85.0(5.0)
3	PETJ Ti T	1	87.970	125.0(10.0)	97.0(5.0)	71.0(5.0)
1	TAP Sr T	1	74.370	1535.1(30.0)	-0.0(0.0)	691.0(15.0)

Measurement over
Correction starts

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Standard Data

Element	Standard name	Mass(%)
1 Al ₂ O ₃	Al ₂ O ₃	100.0000
2 MnO	MnTiO ₃	47.0300
3 K ₂ O	kspar	14.9400
4 BaO	BaSO ₄	65.6984
5 Na ₂ O	albite	11.9000
6 SiO ₂	wollastonite	51.3500
7 FeO	haematit	89.9812
8 CaO	wollastonite	48.0300
9 MgO	marjalathi	48.0800
10 SrO	ceolleston	56.4103
11 TiO ₂	rutil	99.4000

Standard Intensity of WDS

Element	Curr. (A)	Net (cps)	Bg- (cps)	Bg+ (cps)	S.D. (%)	Date
1 Al	1.498E-08	14365.3	44.4	21.9	0.13	Sep 6 12:19 2004
2 Mn	1.512E-08	1053.1	6.3	3.9	0.57	Sep 17 10:17 2004
3 K	1.499E-08	1621.2	8.9	6.2	0.39	Aug 2 10:30 2004
4 Ba	1.581E-08	10325.4	463.5	410.9	0.16	Dec 15 08:58 2003
5 Na	1.488E-08	1741.4	18.5	15.6	0.38	Sep 16 10:53 2004
6 Si	1.489E-08	7303.6	246.2	31.6	0.19	Sep 16 10:47 2004
7 Fe	1.501E-08	2364.8	10.6	10.6	0.46	Sep 7 11:00 2004
8 Ca	1.489E-08	5007.8	15.2	11.1	0.22	Aug 3 10:07 2004
9 Mg	1.501E-08	9216.9	33.7	27.5	0.17	Aug 2 11:00 2004

10 Sr 1.510E-08 5147.3 0.0 331.9 0.15 Sep 17 10:02 2004
 11 Ti 1.488E-08 8206.7 26.8 28.9 0.20 Sep 16 10:49 2004

Standard Factors

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el
Al	0.7709	0.0000	0.8646	0.9431	1.0185	1.2042
Mn	0.9569	0.0000	0.9753	0.8874	1.0336	1.1179
K	0.9078	0.0000	0.9466	0.8841	1.0493	1.1388
Ba	0.9336	0.0000	1.0240	0.7491	1.1326	1.1510
Na	0.5076	0.0053	0.6058	0.9568	1.0029	1.7110
Si	0.7893	0.0042	0.8661	0.9832	1.0055	1.1630
Fe	0.9875	0.0000	1.0036	0.9077	1.0279	1.0680
Ca	0.9445	0.0002	0.9783	0.9140	1.0426	1.0725
Mg	0.6021	0.0037	0.6901	0.9863	1.0031	1.4591
Sr	0.7886	0.0057	1.0631	0.7746	1.1372	1.0617
Ti	0.9775	0.0000	1.0058	0.8888	1.0359	1.0799

Unknown Specimen No. 172

Group : adam? Sample : 170909
 UNK No. : 172 Comment : ABST
 Stage : X= 40.1639 Y= 19.9469 Z= 11.1050
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:09 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2612.1	30.4	15.8	0.62	148
2 Mn	146.006	1.2	3.0	1.6	63.46 ?	303
3 K	119.829	0.5	8.2	6.0	242.49 ?	109
4 Ba	89.098	0.9	69.0	65.8	425.90 ?	245
5 Na	129.353	1734.6	19.0	11.0	0.77	117
6 Si	77.214	8949.7	230.7	25.4	0.34	351
7 Fe	134.430	0.5	5.6	3.8	199.00 ?	367
8 Ca	107.560	0.0	11.0	9.4	100.00 ?	135
9 Mg	107.374	-1.3	32.4	17.0	100.00 ?	115
10 Sr	74.370	5.1	0.0	46.1	25.60	192
11 Ti	87.970	-4.3	19.4	14.2	100.00 ?	219

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7112	0.0154	0.7977	0.9342	1.0180	1.2983	1.0781
Mn	0.9826	0.0000	1.0014	0.7724	1.0649	1.2141	1.0861
Ba	0.9598	0.0001	1.0527	0.5529	1.2527	1.3712	1.1913
Na	0.5069	0.0054	0.6049	0.9572	1.0027	1.7131	1.0012
Si	0.7335	0.0000	0.8049	0.9524	1.0256	1.2719	1.0937
Fe	0.9866	0.0000	1.0027	0.7839	1.0636	1.1962	1.1201
Sr	0.7643	0.0000	1.0304	0.6470	1.2307	1.2188	1.1479

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	10.29	19.45	10.38	19.60	3.029	1.0781	0.07928	0.18039
Mn	0.0451	0.0583	0.0455	0.0587	0.0065	1.0861	0.000372	0.001141
K	0.0039	0.0047	0.0039	0.0047	0.0008	1.0148	0.000034	0.000306 ?

Ba	0.0062	0.0069	0.0062	0.0069	0.0004	1.1913	0.000045	0.000088 ?
Na	8.67	11.69	8.74	11.78	2.994	1.0012	0.05060	0.98156
Si	31.75	67.93	32.00	68.46	8.973	1.0937	0.24945	1.20834
Fe	0.0165	0.0212	0.0166	0.0213	0.0023	1.1201	0.000138	0.000210 ?
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	0.00000 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00014 ?
Sr	0.0543	0.0642	0.0547	0.0647	0.0049	1.1479	0.000445	0.000991
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.00000	-0.00052 ?
O	48.38	-	48.76	-	24.000	-	-	

Total:	99.22	99.22	100.00	100.00	15.010			

 UNK No. = 173 ./adam?/170909 dated Sat Sep 18 15:10:05 2004
 11 Elements WDS only X= 40.118 Y= 19.919 Z= 11.105
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.509E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	677.1(10.0)	318.0(5.0)	305.0(5.0)
2 LIF	Mn T	1	146.006	23.0(10.0)	18.0(5.0)	10.0(5.0)
5 TAPH	Na T	1	129.353	17475.5(10.0)	100.0(5.0)	73.0(5.0)
1 TAP	Al T	1	90.481	26285.8(10.0)	132.0(5.0)	68.0(5.0)
3 PETJ	K T	1	119.829	70.0(10.0)	32.0(5.0)	24.0(5.0)
2 LIF	Fe T	1	134.430	51.0(10.0)	28.0(5.0)	18.0(5.0)
1 TAP	Si T	1	77.214	90562.3(10.0)	1156.3(5.0)	141.0(5.0)
3 PETJ	Ca T	1	107.560	104.0(10.0)	55.0(5.0)	44.0(5.0)
5 TAPH	Mg T	1	107.374	206.0(10.0)	137.0(5.0)	95.0(5.0)
3 PETJ	Ti T	1	87.970	153.0(10.0)	89.0(5.0)	71.0(5.0)
1 TAP	Sr T	1	74.370	1463.1(30.0)	-0.0(0.0)	752.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 173
 Group : adam? Sample : 170909
 UNK No. : 173 Comment : ABST
 Stage : X= 40.1176 Y= 19.9191 Z= 11.1050
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:11 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2608.6	26.4	13.6	0.62	138
2 Mn	146.006	-0.5	3.6	2.0	100.00 ?	335
3 K	119.829	1.4	6.4	4.8	80.18 ?	97
4 Ba	89.098	5.2	63.6	61.0	69.57 ?	236
5 Na	129.353	1730.3	20.0	14.6	0.77	125
6 Si	77.214	8926.5	231.3	28.2	0.34	353
7 Fe	134.430	0.5	5.6	3.6	196.98 ?	363
8 Ca	107.560	0.5	11.0	8.8	284.96 ?	133
9 Mg	107.374	-2.6	27.4	19.0	100.00 ?	112

10 Sr 74.370 -1.4 0.0 50.1 100.00 ? 200
 11 Ti 87.970 -0.7 17.8 14.2 100.00 ? 214

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7112	0.0154	0.7977	0.9340	1.0181	1.2983	1.0782
K	0.9011	0.0000	0.9397	0.8729	1.0551	1.1555	1.0147
Ba	0.9598	0.0000	1.0527	0.5529	1.2527	1.3715	1.1915
Na	0.5071	0.0054	0.6052	0.9570	1.0028	1.7125	1.0009
Si	0.7334	0.0000	0.8048	0.9523	1.0256	1.2722	1.0939
Fe	0.9866	0.0000	1.0027	0.7838	1.0636	1.1964	1.1203

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	10.29	19.44	10.39	19.64	3.032	1.0782	0.07922	0.18027
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00048 ?
K	0.0110	0.0132	0.0111	0.0133	0.0022	1.0147	0.000095	0.000858
Ba	0.0371	0.0414	0.0375	0.0418	0.0021	1.1915	0.000270	0.000529
Na	8.65	11.66	8.74	11.78	2.993	1.0009	0.05051	0.97977
Si	31.70	67.82	32.02	68.50	8.975	1.0939	0.24897	1.20601
Fe	0.0165	0.0212	0.0166	0.0214	0.0023	1.1203	0.000138	0.000210 ?
Ca	0.0035	0.0049	0.0035	0.0049	0.0007	1.0342	0.000031	0.000098 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00028 ?
Sr	0.00	0.00	0.00	0.00	0.000	0.9419	0.00000	-0.00027 ?
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.00000	-0.00008 ?
O	48.29	-	48.78	-	24.000	-	-	-

 Total: 99.01 99.01 100.00 100.00 15.007

 UNK No. = 174 ./adam?/170909 dated Sat Sep 18 15:12:06 2004
 11 Elements WDS only X= 40.009 Y= 19.911 Z= 11.099
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.509E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	639.0(10.0)	325.0(5.0)	283.0(5.0)
2 LIF	Mn T	1	146.006	29.0(10.0)	19.0(5.0)	9.0(5.0)
1 TAP	Al T	1	90.481	25610.9(10.0)	126.0(5.0)	70.0(5.0)
5 TAPH	Na T	1	129.353	18055.8(10.0)	73.0(5.0)	62.0(5.0)
3 PETJ	K T	1	119.829	94.0(10.0)	39.0(5.0)	28.0(5.0)
2 LIF	Fe T	1	134.430	52.0(10.0)	18.0(5.0)	18.0(5.0)
1 TAP	Si T	1	77.214	92357.9(10.0)	1061.2(5.0)	133.0(5.0)
3 PETJ	Ca T	1	107.560	99.0(10.0)	55.0(5.0)	49.0(5.0)
5 TAPH	Mg T	1	107.374	241.0(10.0)	153.0(5.0)	95.0(5.0)
3 PETJ	Ti T	1	87.970	137.0(10.0)	71.0(5.0)	73.0(5.0)
1 TAP	Sr T	1	74.370	1448.1(30.0)	-0.0(0.0)	709.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 174

Group : adam?
 UNK No. : 174

Sample : 170909
 Comment : ABST

Stage : X= 40.0090 Y= 19.9109 Z= 11.0990
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:13 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2541.5	25.2	14.0	0.63	137
2 Mn	146.006	0.1	3.8	1.8	754.98 ?	335
3 K	119.829	2.7	7.8	5.6	46.99 ?	106
4 Ba	89.098	2.5	65.0	56.6	142.66 ?	234
5 Na	129.353	1792.1	14.6	12.4	0.75	111
6 Si	77.214	9116.4	212.2	26.6	0.34	339
7 Fe	134.430	1.6	3.6	3.6	58.63 ?	321
8 Ca	107.560	-0.5	11.0	9.8	100.00 ?	136
9 Mg	107.374	-0.7	30.6	19.0	100.00 ?	116
10 Sr	74.370	1.0	0.0	47.3	126.85 ?	195
11 Ti	87.970	-0.7	14.2	14.6	100.00 ?	203

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7101	0.0156	0.7964	0.9340	1.0180	1.3002	1.0797
K	0.9012	0.0000	0.9397	0.8728	1.0551	1.1555	1.0147
Ba	0.9598	0.0001	1.0527	0.5529	1.2527	1.3714	1.1914
Na	0.5070	0.0053	0.6051	0.9570	1.0028	1.7129	1.0011
Si	0.7349	0.0000	0.8065	0.9523	1.0256	1.2695	1.0916
Fe	0.9866	0.0000	1.0027	0.7838	1.0636	1.1964	1.1203
Sr	0.7656	0.0000	1.0322	0.6469	1.2308	1.2167	1.1460

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	10.04	18.96	10.01	18.92	2.925	1.0797	0.07719	0.17563
Mn	0.0038	0.0049	0.0038	0.0048	0.0005	1.0862	0.000031	0.000095 ?
K	0.0211	0.0254	0.0211	0.0254	0.0042	1.0147	0.000183	0.001654
Ba	0.0178	0.0199	0.0178	0.0198	0.0010	1.1914	0.000130	0.000254 ?
Na	8.96	12.08	8.94	12.05	3.065	1.0011	0.05232	1.01478
Si	32.27	69.04	32.21	68.89	9.034	1.0916	0.25426	1.23166
Fe	0.0527	0.0678	0.0526	0.0677	0.0074	1.1203	0.000441	0.000673
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.000000	-0.00010 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.000000	-0.00008 ?
Sr	0.0106	0.0125	0.0106	0.0125	0.0010	1.1460	0.000087	0.000194 ?
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.000000	-0.00008 ?
O	48.83	-	48.73	-	24.000	-	-	-

 Total: 100.21 100.21 100.00 100.00 15.038

 UNK No. = 175 ./adam?/170909 dated Sat Sep 18 15:14:08 2004
 11 Elements WDS only X= 39.941 Y= 25.203 Z= 11.072
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	180.0(10.0)	98.0(5.0)	57.0(5.0)
4 PETH	Ba T	1	89.098	754.1(10.0)	387.0(5.0)	354.0(5.0)

2	LIF	Mn	T	1	146.006	115.0(10.0)	15.0(5.0)	15.0(5.0)
3	PETJ	K	T	1	119.829	61.0(10.0)	40.0(5.0)	32.0(5.0)
5	TAPH	Na	T	1	129.353	181.0(10.0)	111.0(5.0)	59.0(5.0)
1	TAP	Si	T	1	77.214	50302.8(10.0)	736.1(5.0)	126.0(5.0)
2	LIF	Fe	T	1	134.430	2722.8(10.0)	27.0(5.0)	20.0(5.0)
3	PETJ	Ca	T	1	107.560	133.0(10.0)	63.0(5.0)	49.0(5.0)
5	TAPH	Mg	T	1	107.374	92401.7(10.0)	161.0(5.0)	149.0(5.0)
3	PETJ	Ti	T	1	87.970	156.0(10.0)	114.0(5.0)	72.0(5.0)
1	TAP	Sr	T	1	74.370	1081.0(30.0)	-0.0(0.0)	489.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 175

Group : adam? Sample : 170909
 UNK No. : 175 Comment : MGST
 Stage : X= 39.9413 Y= 25.2034 Z= 11.0725
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:15 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2.5	19.6	11.4	73.21 ?	122
2 Mn	146.006	8.5	3.0	3.0	14.17	346
3 K	119.829	-1.1	8.0	6.4	100.00 ?	110
4 Ba	89.098	0.8	77.4	70.8	470.81 ?	257
5 Na	129.353	1.1	22.2	11.8	170.40 ?	124
6 Si	77.214	4944.1	147.2	25.2	0.46	288
7 Fe	134.430	267.6	5.4	4.0	1.97	367
8 Ca	107.560	2.1	12.6	9.8	74.54 ?	142
9 Mg	107.374	9209.2	32.2	29.8	0.33	129
10 Sr	74.370	3.4	0.0	32.6	31.92	162
11 Ti	87.970	-3.0	22.8	14.4	100.00 ?	230

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5458	0.0068	0.6121	0.9485	1.0106	1.6927	1.4057
Mn	0.9834	0.0000	1.0023	0.7833	1.0609	1.2006	1.0740
Ba	0.9618	0.0155	1.0549	0.5609	1.2469	1.3347	1.1595
Na	0.4491	0.0088	0.5361	0.9721	0.9956	1.9108	1.1168
Si	0.6669	0.0001	0.7318	0.9669	1.0182	1.3878	1.1933
Fe	0.9873	0.0000	1.0034	0.7948	1.0600	1.1829	1.1076
Ca	0.9306	0.0040	0.9639	0.8999	1.0528	1.0906	1.0169
Mg	0.6014	0.0037	0.6894	0.9867	1.0030	1.4602	1.0008
Sr	0.7015	0.0000	0.9456	0.6569	1.2219	1.3175	1.2409

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0129	0.0243	0.0128	0.0243	0.0042	1.4057	0.000076	0.000173
Mn	0.3162	0.4082	0.3154	0.4072	0.0510	1.0740	0.002633	0.008082
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.000000	-0.00067 ?
Ba	0.0057	0.0064	0.0057	0.0064	0.0004	1.1595	0.000043	0.000084 ?
Na	0.0061	0.0083	0.0061	0.0082	0.0024	1.1168	0.000032	0.000622 ?
Si	19.12	40.90	19.07	40.80	6.037	1.1933	0.13780	0.66752
Fe	8.71	11.21	8.69	11.18	1.384	1.1076	0.07367	0.11248

Ca	0.0145	0.0202	0.0144	0.0202	0.0032	1.0169	0.000133	0.000414
Mg	28.72	47.62	28.65	47.50	10.477	1.0008	0.19674	0.99320
Sr	0.0395	0.0467	0.0394	0.0466	0.0040	1.2409	0.000300	0.000667
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.00000	-0.00036 ?
O	43.30	-	43.19	-	24.000	-	-	-

Total:	100.25	100.25	100.00	100.00	17.962			

 UNK No. = 176 ./adam?/170909 dated Sat Sep 18 15:16:08 2004
 11 Elements WDS only X= 39.810 Y= 25.199 Z= 11.072
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4	PETH Ba T	1	89.098	734.1(10.0)	419.0(5.0)	340.0(5.0)
1	TAP Al T	1	90.481	199.0(10.0)	101.0(5.0)	69.0(5.0)
2	LIF Mn T	1	146.006	102.0(10.0)	15.0(5.0)	16.0(5.0)
3	PETJ K T	1	119.829	77.0(10.0)	42.0(5.0)	30.0(5.0)
5	TAPH Na T	1	129.353	189.0(10.0)	107.0(5.0)	68.0(5.0)
1	TAP Si T	1	77.214	49658.8(10.0)	799.1(5.0)	132.0(5.0)
2	LIF Fe T	1	134.430	2831.9(10.0)	29.0(5.0)	17.0(5.0)
3	PETJ Ca T	1	107.560	122.0(10.0)	56.0(5.0)	54.0(5.0)
5	TAPH Mg T	1	107.374	92200.7(10.0)	185.0(5.0)	128.0(5.0)
3	PETJ Ti T	1	87.970	161.0(10.0)	79.0(5.0)	63.0(5.0)
1	TAP Sr T	1	74.370	1099.0(30.0)	-0.0(0.0)	536.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 176
 Group : adam? Sample : 170909
 UNK No. : 176 Comment : MGST
 Stage : X= 39.8104 Y= 25.1991 Z= 11.0725
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:17 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2.9	20.2	13.8	66.24 ?	127
2 Mn	146.006	7.1	3.0	3.2	16.24	352
3 K	119.829	0.5	8.4	6.0	244.13 ?	110
4 Ba	89.098	-3.6	83.8	68.0	100.00 ?	261
5 Na	129.353	1.4	21.4	13.6	136.33 ?	126
6 Si	77.214	4872.8	159.8	26.4	0.46	299
7 Fe	134.430	278.6	5.8	3.4	1.93	363
8 Ca	107.560	1.2	11.2	10.8	126.93 ?	140
9 Mg	107.374	9188.8	37.0	25.6	0.33	130
10 Sr	74.370	0.9	0.0	35.7	122.79 ?	169
11 Ti	87.970	1.9	15.8	12.6	91.62 ?	201

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5444	0.0067	0.6106	0.9491	1.0104	1.6966	1.4089
Mn	0.9835	0.0000	1.0023	0.7837	1.0608	1.2001	1.0735
Na	0.4469	0.0087	0.5335	0.9727	0.9953	1.9196	1.1219
Si	0.6657	0.0001	0.7305	0.9675	1.0180	1.3898	1.1950
Fe	0.9873	0.0000	1.0034	0.7953	1.0599	1.1823	1.1071
Ca	0.9306	0.0042	0.9640	0.9005	1.0526	1.0899	1.0162
Mg	0.5994	0.0037	0.6871	0.9873	1.0027	1.4647	1.0039
Sr	0.7003	0.0000	0.9441	0.6573	1.2216	1.3192	1.2425
Ti	0.9623	0.0135	0.9901	0.8124	1.0583	1.1590	1.0733

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0149	0.0282	0.0149	0.0281	0.0049	1.4089	0.000088	0.000200
Mn	0.2640	0.3408	0.2636	0.3404	0.0428	1.0735	0.002200	0.006751
K	0.0038	0.0046	0.0038	0.0046	0.0009	0.9977	0.000034	0.000306 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00037 ?
Na	0.0078	0.0106	0.0078	0.0106	0.0030	1.1219	0.000041	0.000792 ?
Si	18.87	40.38	18.85	40.32	5.982	1.1950	0.13582	0.65789
Fe	9.07	11.67	9.05	11.65	1.446	1.1071	0.07669	0.11710
Ca	0.0082	0.0115	0.0082	0.0115	0.0018	1.0162	0.000076	0.000236 ?
Mg	28.75	47.67	28.71	47.60	10.529	1.0039	0.19631	0.99100
Sr	0.0104	0.0123	0.0104	0.0122	0.0011	1.2425	0.000079	0.000175 ?
Ti	0.0147	0.0245	0.0146	0.0244	0.0027	1.0733	0.000127	0.000228 ?
O	43.13	-	43.07	-	24.000	-	-	-

Total: 100.14 100.14 100.00 100.00 18.014

UNK No. = 177 ./adam?/170909 dated Sat Sep 18 15:18:09 2004
11 Elements WDS only X= 39.575 Y= 25.256 Z= 11.066
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
2 LIF	Mn T	1	146.006	101.0(10.0)	14.0(5.0)	14.0(5.0)
3 PETJ	K T	1	119.829	93.0(10.0)	40.0(5.0)	37.0(5.0)
4 PETH	Ba T	1	89.098	749.1(10.0)	416.0(5.0)	358.0(5.0)
1 TAP	Al T	1	90.481	168.0(10.0)	117.0(5.0)	73.0(5.0)
5 TAPH	Na T	1	129.353	155.0(10.0)	113.0(5.0)	77.0(5.0)
2 LIF	Fe T	1	134.430	2723.8(10.0)	29.0(5.0)	22.0(5.0)
3 PETJ	Ca T	1	107.560	120.0(10.0)	61.0(5.0)	65.0(5.0)
1 TAP	Si T	1	77.214	49791.2(10.0)	828.2(5.0)	131.0(5.0)
5 TAPH	Mg T	1	107.374	92602.8(10.0)	166.0(5.0)	139.0(5.0)
3 PETJ	Ti T	1	87.970	164.0(10.0)	86.0(5.0)	75.0(5.0)
1 TAP	Sr T	1	74.370	1094.0(30.0)	-0.0(0.0)	543.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 177

Group : adam? Sample : 170909
UNK No. : 177 Comment : MGST
Stage : X= 39.5755 Y= 25.2555 Z= 11.0660

Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:20 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-2.2	23.4	14.6	100.00 ?	135
2 Mn	146.006	7.3	2.8	2.8	15.56	335
3 K	119.829	1.6	8.0	7.4	81.49 ?	114
4 Ba	89.098	-3.3	83.2	71.6	100.00 ?	264
5 Na	129.353	-3.5	22.6	15.4	100.00 ?	131
6 Si	77.214	4883.2	165.6	26.2	0.46	304
7 Fe	134.430	267.3	5.8	4.4	1.97	382
8 Ca	107.560	-0.6	12.2	13.0	100.00 ?	150
9 Mg	107.374	9229.8	33.2	27.8	0.33	128
10 Sr	74.370	0.3	0.0	36.2	412.94 ?	170
11 Ti	87.970	0.3	17.2	15.0	600.93 ?	214

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9835	0.0000	1.0023	0.7831	1.0610	1.2007	1.0741
K	0.9060	0.0023	0.9448	0.8856	1.0489	1.1368	0.9983
Si	0.6662	0.0001	0.7311	0.9668	1.0183	1.3893	1.1946
Fe	0.9873	0.0000	1.0034	0.7947	1.0601	1.1830	1.1077
Mg	0.6018	0.0037	0.6898	0.9865	1.0031	1.4595	1.0003

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00015 ?
Mn	0.2715	0.3506	0.2722	0.3515	0.0441	1.0741	0.002261	0.006941
K	0.0123	0.0148	0.0123	0.0149	0.0028	0.9983	0.000108	0.000980
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00034 ?
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00198 ?
Si	18.91	40.46	18.96	40.55	6.003	1.1946	0.13611	0.65930
Fe	8.71	11.20	8.73	11.23	1.390	1.1077	0.07358	0.11235
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00012 ?
Mg	28.79	47.73	28.86	47.85	10.558	1.0003	0.19718	0.99542
Sr	0.0031	0.0036	0.0031	0.0037	0.0003	1.2421	0.000023	0.000052 ?
Ti	0.0023	0.0039	0.0023	0.0039	0.0004	1.0743	0.000020	0.000036 ?
O	43.07	-	43.17	-	24.000	-	-	-

 Total: 99.76 99.76 100.00 100.00 17.998

 UNK No. = 178 ./adam?/170909 dated Sat Sep 18 15:20:12 2004
 11 Elements WDS only X= 40.218 Y= 34.999 Z= 11.023
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	700.1(10.0)	352.0(5.0)	292.0(5.0)
3 PETJ	K T	1	119.829	93.0(10.0)	45.0(5.0)	31.0(5.0)
5 TAPH	Na T	1	129.353	132.0(10.0)	86.0(5.0)	68.0(5.0)
1 TAP	Al T	1	90.481	145652.8(10.0)	223.0(5.0)	100.0(5.0)
2 LIF	Mn T	1	146.006	36.0(10.0)	20.0(5.0)	16.0(5.0)

3	PETJ	Ca T	1	107.560	89.0(10.0)	65.0(5.0)	41.0(5.0)
1	TAP	Si T	1	77.214	250.0(10.0)	147.0(5.0)	89.0(5.0)
2	LIF	Fe T	1	134.430	36.0(10.0)	27.0(5.0)	18.0(5.0)
5	TAPH	Mg T	1	107.374	319.0(10.0)	193.0(5.0)	98.0(5.0)
3	PETJ	Ti T	1	87.970	143.0(10.0)	84.0(5.0)	73.0(5.0)
1	TAP	Sr T	1	74.370	480.0(30.0)	-0.0(0.0)	218.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 178

Group : adam? Sample : 170909
UNK No. : 178 Comment : ALST
Stage : X= 40.2179 Y= 34.9988 Z= 11.0230
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:22 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	14533.0	44.6	20.0	0.26	175
2 Mn	146.006	-0.0	4.0	3.2	100.00 ?	379
3 K	119.829	1.7	9.0	6.2	76.47 ?	113
4 Ba	89.098	4.7	70.4	58.4	78.16 ?	241
5 Na	129.353	-2.2	17.2	13.6	100.00 ?	118
6 Si	77.214	1.4	29.4	17.8	157.41 ?	151
7 Fe	134.430	-0.9	5.4	3.6	100.00 ?	359
8 Ca	107.560	-1.7	13.0	8.2	100.00 ?	138
9 Mg	107.374	2.8	38.6	19.6	88.21 ?	125
10 Sr	74.370	1.5	0.0	14.5	49.82 ?	108
11 Ti	87.970	-1.4	16.8	14.6	100.00 ?	211

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7704	0.0000	0.8641	0.9433	1.0184	1.2047	1.0004
K	0.9037	0.0000	0.9424	0.8815	1.0553	1.1406	1.0016
Ba	0.9610	0.0000	1.0540	0.5584	1.2530	1.3561	1.1781
Si	0.5523	0.0000	0.6061	0.9617	1.0259	1.6723	1.4379
Mg	0.6626	0.0243	0.7595	0.9812	1.0107	1.2962	0.8883
Sr	0.5903	0.0000	0.7958	0.6534	1.2311	1.5622	1.4714

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	53.07	100.27	52.87	99.90	15.992	1.0004	0.44078	1.00297
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	-0.00000	-0.00000 ?
K	0.0131	0.0158	0.0131	0.0157	0.0027	1.0016	0.000115	0.001040
Ba	0.0333	0.0372	0.0332	0.0371	0.0020	1.1781	0.000246	0.000481
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00124 ?
Si	0.0065	0.0140	0.0065	0.0139	0.0019	1.4379	0.000039	0.000189 ?
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.00000	-0.00038 ?
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00033 ?
Mg	0.0078	0.0129	0.0077	0.0128	0.0026	0.8883	0.000060	0.000302 ?
Sr	0.0200	0.0237	0.0199	0.0236	0.0019	1.4714	0.000128	0.000285
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.00000	-0.00017 ?
O	47.23	-	47.05	-	24.000	-	-	-

Total: 100.37 100.37 100.00 100.00 16.003

 UNK No. = 179 ./adam?/170909 dated Sat Sep 18 15:22:15 2004
 11 Elements WDS only X= 39.795 Y= 34.919 Z= 11.014
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4	PETH Ba T	1	89.098	686.1(10.0)	360.0(5.0)	331.0(5.0)
1	TAP Al T	1	90.481	144821.9(10.0)	208.0(5.0)	106.0(5.0)
5	TAPH Na T	1	129.353	172.0(10.0)	72.0(5.0)	56.0(5.0)
2	LIF Mn T	1	146.006	36.0(10.0)	15.0(5.0)	12.0(5.0)
3	PETJ K T	1	119.829	82.0(10.0)	39.0(5.0)	28.0(5.0)
1	TAP Si T	1	77.214	234.0(10.0)	138.0(5.0)	99.0(5.0)
2	LIF Fe T	1	134.430	44.0(10.0)	21.0(5.0)	21.0(5.0)
3	PETJ Ca T	1	107.560	88.0(10.0)	67.0(5.0)	42.0(5.0)
5	TAPH Mg T	1	107.374	295.0(10.0)	199.0(5.0)	116.0(5.0)
3	PETJ Ti T	1	87.970	150.0(10.0)	63.0(5.0)	67.0(5.0)
1	TAP Sr T	1	74.370	531.0(30.0)	-0.0(0.0)	236.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 179

Group : adam? Sample : 170909
 UNK No. : 179 Comment : ALST
 Stage : X= 39.7952 Y= 34.9188 Z= 11.0135
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:24 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	14450.8	41.6	21.2	0.26	173
2 Mn	146.006	0.9	3.0	2.4	88.19 ?	329
3 K	119.829	1.5	7.8	5.6	81.38 ?	106
4 Ba	89.098	-0.9	72.0	66.2	100.00 ?	248
5 Na	129.353	4.4	14.4	11.2	39.36 ?	108
6 Si	77.214	-0.3	27.6	19.8	100.00 ?	151
7 Fe	134.430	0.2	4.2	4.2	463.68 ?	347
8 Ca	107.560	-2.1	13.4	8.4	100.00 ?	140
9 Mg	107.374	-2.0	39.8	23.2	100.00 ?	130
10 Sr	74.370	2.0	0.0	15.7	39.07 ?	112
11 Ti	87.970	2.0	12.6	13.4	83.67 ?	192

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7705	0.0000	0.8641	0.9432	1.0184	1.2047	1.0004
Mn	0.9831	0.0000	1.0019	0.7800	1.0651	1.2014	1.0747
K	0.9038	0.0000	0.9424	0.8815	1.0554	1.1406	1.0016
Na	0.5170	0.0110	0.6170	0.9665	1.0031	1.6535	0.9664
Fe	0.9870	0.0000	1.0031	0.7916	1.0638	1.1839	1.1086

Sr	0.5904	0.0000	0.7959	0.6533	1.2312	1.5620	1.4712	
Ti	0.9614	0.0001	0.9892	0.8083	1.0639	1.1755	1.0885	
Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	52.84	99.84	52.84	99.85	15.988	1.0004	0.43858	0.99796
Mn	0.0335	0.0433	0.0335	0.0433	0.0050	1.0747	0.000279	0.000856
K	0.0116	0.0140	0.0116	0.0140	0.0024	1.0016	0.000102	0.000919
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00009 ?
Na	0.0212	0.0286	0.0212	0.0286	0.0075	0.9664	0.000128	0.002490
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.00004 ?
Fe	0.0065	0.0084	0.0065	0.0084	0.0010	1.1086	0.000055	0.000084 ?
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00041 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00022 ?
Sr	0.0268	0.0317	0.0268	0.0317	0.0025	1.4712	0.000172	0.000382
Ti	0.0157	0.0261	0.0157	0.0261	0.0027	1.0885	0.000133	0.000240 ?
O	47.04	-	47.04	-	24.000	-	-	-

Total:	99.99	99.99	100.00	100.00	16.009			

 UNK No. = 180 ./adam?/170909 dated Sat Sep 18 15:24:14 2004
 11 Elements WDS only X= 39.989 Y= 34.934 Z= 11.021
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	707.1(10.0)	333.0(5.0)	305.0(5.0)
1 TAP	Al T	1	90.481	146249.5(10.0)	222.0(5.0)	126.0(5.0)
5 TAPH	Na T	1	129.353	146.0(10.0)	81.0(5.0)	63.0(5.0)
2 LIF	Mn T	1	146.006	14.0(10.0)	19.0(5.0)	15.0(5.0)
3 PETJ	K T	1	119.829	81.0(10.0)	38.0(5.0)	31.0(5.0)
1 TAP	Si T	1	77.214	233.0(10.0)	132.0(5.0)	90.0(5.0)
2 LIF	Fe T	1	134.430	38.0(10.0)	32.0(5.0)	15.0(5.0)
3 PETJ	Ca T	1	107.560	97.0(10.0)	44.0(5.0)	46.0(5.0)
5 TAPH	Mg T	1	107.374	287.0(10.0)	178.0(5.0)	123.0(5.0)
3 PETJ	Ti T	1	87.970	129.0(10.0)	82.0(5.0)	75.0(5.0)
1 TAP	Sr T	1	74.370	483.0(30.0)	-0.0(0.0)	234.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 180
 Group : adam? Sample : 170909
 UNK No. : 180 Comment : ALST
 Stage : X= 39.9886 Y= 34.9338 Z= 11.0210
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:26 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	14590.2	44.4	25.2	0.26	182
2 Mn	146.006	-2.0	3.8	3.0	100.00 ?	369

3	K	119.829	1.2	7.6	6.2	102.06 ?	107
4	Ba	89.098	6.5	66.6	61.0	56.86 ?	239
5	Na	129.353	0.2	16.2	12.6	851.47 ?	114
6	Si	77.214	1.1	26.4	18.0	193.83 ?	146
7	Fe	134.430	-0.9	6.4	3.0	100.00 ?	367
8	Ca	107.560	0.7	8.8	9.2	195.35 ?	127
9	Mg	107.374	-1.4	35.6	24.6	100.00 ?	127
10	Sr	74.370	0.5	0.0	15.6	146.52 ?	112
11	Ti	87.970	-2.8	16.4	15.0	100.00 ?	211

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7704	0.0000	0.8640	0.9433	1.0184	1.2048	1.0005
K	0.9038	0.0000	0.9424	0.8815	1.0553	1.1405	1.0016
Ba	0.9610	0.0000	1.0540	0.5584	1.2530	1.3561	1.1781
Si	0.5523	0.0000	0.6060	0.9617	1.0259	1.6724	1.4380
Sr	0.5902	0.0000	0.7957	0.6534	1.2311	1.5623	1.4715

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	53.27	100.66	52.88	99.91	15.994	1.0005	0.44281	1.00758
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00190 ?
K	0.0093	0.0112	0.0092	0.0111	0.0019	1.0016	0.000081	0.000735 ?
Ba	0.0457	0.0510	0.0453	0.0506	0.0027	1.1781	0.000337	0.000659
Na	0.0010	0.0013	0.0010	0.0013	0.0003	0.9662	0.000006	0.000113 ?
Si	0.0051	0.0110	0.0051	0.0109	0.0015	1.4380	0.000031	0.000149 ?
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.00000	-0.00038 ?
Ca	0.0048	0.0068	0.0048	0.0067	0.0010	1.0215	0.000044	0.000138 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00015 ?
Sr	0.0068	0.0081	0.0068	0.0080	0.0006	1.4715	0.000044	0.000097 ?
Ti	0.00	0.00	0.00	0.00	0.000	0.9260	0.00000	-0.00034 ?
O	47.41	-	47.05	-	24.000	-	-	-

Total:	100.75	100.75	100.00	100.00	16.002			

 UNK No. = 181 ./adam?/170909 dated Sat Sep 18 15:26:15 2004
 11 Elements WDS only X= 45.181 Y= 25.170 Z= 11.116
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt	sec	BG_L cnt	sec	BG_U cnt	sec
2	LIF Mn T	1	146.006	63.0	(10.0)	19.0	(5.0)	11.0	(5.0)
4	PETH Ba T	1	89.098	871.1	(10.0)	462.0	(5.0)	384.0	(5.0)
3	PETJ K T	1	119.829	105.0	(10.0)	55.0	(5.0)	40.0	(5.0)
1	TAP Al T	1	90.481	220.0	(10.0)	142.0	(5.0)	94.0	(5.0)
5	TAPH Na T	1	129.353	164.0	(10.0)	83.0	(5.0)	67.0	(5.0)
2	LIF Fe T	1	134.430	141.0	(10.0)	28.0	(5.0)	24.0	(5.0)
1	TAP Si T	1	77.214	74899.0	(10.0)	1263.4	(5.0)	180.0	(5.0)
3	PETJ Ca T	1	107.560	51060.2	(10.0)	83.0	(5.0)	63.0	(5.0)
5	TAPH Mg T	1	107.374	362.0	(10.0)	163.0	(5.0)	128.0	(5.0)
3	PETJ Ti T	1	87.970	184.0	(10.0)	105.0	(5.0)	78.0	(5.0)
1	TAP Sr T	1	74.370	1512.1	(30.0)	-0.0	(0.0)	772.0	(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 181

Group : adam? Sample : 170909
 UNK No. : 181 Comment : WoST
 Stage : X= 45.1814 Y= 25.1701 Z= 11.1155
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:28 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-1.6	28.4	18.8	100.00 ?	150
2 Mn	146.006	3.3	3.8	2.2	29.22	346
3 K	119.829	1.0	11.0	8.0	141.42 ?	126
4 Ba	89.098	1.4	92.4	76.8	302.40 ?	276
5 Na	129.353	1.4	16.6	13.4	126.57 ?	117
6 Si	77.214	7345.6	252.7	36.0	0.38	372
7 Fe	134.430	8.9	5.6	4.8	15.61	385
8 Ca	107.560	5091.4	16.6	12.6	0.44	162
9 Mg	107.374	7.1	32.6	25.6	35.99 ?	125
10 Sr	74.370	-1.1	0.0	51.5	100.00 ?	203
11 Ti	87.970	0.1	21.0	15.6	1915.74 ?	228

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9620	0.0000	0.9804	0.7949	1.0539	1.2176	1.0891
K	0.9247	0.0711	0.9642	0.9000	1.0380	1.0365	0.9102
Ba	0.9148	0.0004	1.0034	0.5694	1.2368	1.4146	1.2290
Na	0.4180	0.0032	0.4988	0.9892	0.9832	2.0546	1.2008
Si	0.7891	0.0042	0.8659	0.9834	1.0055	1.1631	1.0001
Fe	0.9706	0.0000	0.9864	0.8064	1.0537	1.1930	1.1171
Ca	0.9446	0.0002	0.9784	0.9141	1.0426	1.0723	0.9998
Mg	0.5717	0.0071	0.6553	1.0039	0.9903	1.5241	1.0446

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00011 ?
Mn	0.1244	0.1606	0.1248	0.1612	0.0212	1.0891	0.001022	0.003136
K	0.0070	0.0084	0.0070	0.0085	0.0017	0.9102	0.000068	0.000612 ?
Ba	0.0101	0.0113	0.0102	0.0113	0.0007	1.2290	0.000072	0.000140 ?
Na	0.0084	0.0113	0.0084	0.0113	0.0034	1.2008	0.000041	0.000792 ?
Si	23.80	50.91	23.88	51.09	7.938	1.0001	0.20460	0.99110
Fe	0.2921	0.3758	0.2932	0.3772	0.0490	1.1171	0.002449	0.003739
Ca	34.40	48.13	34.52	48.30	8.040	0.9998	0.32074	1.00189
Mg	0.0231	0.0383	0.0232	0.0384	0.0089	1.0446	0.000152	0.000765
Sr	0.00	0.00	0.00	0.00	0.000	0.9419	0.00000	-0.00021 ?
Ti	0.0008	0.0014	0.0008	0.0014	0.0002	1.1355	0.000007	0.000012 ?
O	40.99	-	41.13	-	24.000	-	-	-

Total:	99.65	99.65	100.00	100.00	16.064			

 UNK No. = 182 ./adam?/170909 dated Sat Sep 18 15:28:17 2004

11 Elements WDS only X= 45.067 Y= 25.169 Z= 11.114
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

 Channel Element Acn Peak Peak cnt sec BG_L cnt sec BG_U cnt sec
 4 PETH Ba T 1 89.098 824.1(10.0) 423.0(5.0) 337.0(5.0)
 2 LIF Mn T 1 146.006 74.0(10.0) 25.0(5.0) 11.0(5.0)
 3 PETJ K T 1 119.829 92.0(10.0) 56.0(5.0) 41.0(5.0)
 5 TAPH Na T 1 129.353 186.0(10.0) 94.0(5.0) 71.0(5.0)
 1 TAP Al T 1 90.481 205.0(10.0) 145.0(5.0) 98.0(5.0)
 2 LIF Fe T 1 134.430 134.0(10.0) 29.0(5.0) 28.0(5.0)
 3 PETJ Ca T 1 107.560 51066.2(10.0) 85.0(5.0) 74.0(5.0)
 1 TAP Si T 1 77.214 75557.8(10.0) 1276.4(5.0) 180.0(5.0)
 5 TAPH Mg T 1 107.374 338.0(10.0) 169.0(5.0) 128.0(5.0)
 3 PETJ Ti T 1 87.970 193.0(10.0) 87.0(5.0) 89.0(5.0)
 1 TAP Sr T 1 74.370 1503.1(30.0) -0.0(0.0) 720.0(15.0)
 Measurement over
 Correction starts

Unknown Specimen No. 182
 Group : adam? Sample : 170909
 UNK No. : 182 Comment : WoST
 Stage : X= 45.0669 Y= 25.1687 Z= 11.1135
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:30 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08
 Element Peak(mm) Net(cps) Bg- Bg+ S.D.(%) D.L.(ppm)
 1 Al 90.481 -3.8 29.0 19.6 100.00 ? 152
 2 Mn 146.006 3.8 5.0 2.2 27.60 379
 3 K 119.829 -0.5 11.2 8.2 100.00 ? 127
 4 Ba 89.098 5.2 84.6 67.4 77.93 ? 262
 5 Na 129.353 2.1 18.8 14.2 89.21 ? 122
 6 Si 77.214 7410.1 255.3 36.0 0.37 374
 7 Fe 134.430 7.7 5.8 5.6 17.95 404
 8 Ca 107.560 5090.7 17.0 14.8 0.44 169
 9 Mg 107.374 4.1 33.8 25.6 61.46 ? 126
 10 Sr 74.370 2.1 0.0 48.0 61.54 ? 196
 11 Ti 87.970 1.7 17.4 17.8 113.00 ? 224

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9620	0.0000	0.9804	0.7949	1.0539	1.2175	1.0891
Ba	0.9150	0.0003	1.0036	0.5694	1.2368	1.4144	1.2288
Na	0.4182	0.0032	0.4991	0.9892	0.9833	2.0535	1.2002
Si	0.7892	0.0042	0.8660	0.9834	1.0055	1.1630	1.0000
Fe	0.9706	0.0000	0.9864	0.8064	1.0537	1.1930	1.1171
Ca	0.9444	0.0002	0.9783	0.9141	1.0426	1.0723	0.9999
Mg	0.5718	0.0071	0.6554	1.0039	0.9904	1.5238	1.0443
Sr	0.8155	0.0064	1.0994	0.6680	1.2068	1.1212	1.0560
Ti	0.9159	0.0003	0.9424	0.8245	1.0495	1.2260	1.1353

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
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Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00026 ?
Mn	0.1433	0.1851	0.1431	0.1848	0.0243	1.0891	0.001177	0.003613
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00031 ?
Ba	0.0379	0.0423	0.0378	0.0422	0.0026	1.2288	0.000268	0.000524
Na	0.0126	0.0170	0.0126	0.0169	0.0051	1.2002	0.000061	0.001188
Si	24.02	51.38	23.98	51.29	7.961	1.0000	0.20654	1.00048
Fe	0.2529	0.3254	0.2525	0.3248	0.0422	1.1171	0.002120	0.003237
Ca	34.41	48.15	34.35	48.07	7.994	0.9999	0.32091	1.00242
Mg	0.0133	0.0221	0.0133	0.0221	0.0051	1.0443	0.000088	0.000442
Sr	0.0206	0.0243	0.0205	0.0243	0.0022	1.0560	0.000183	0.000408
Ti	0.0139	0.0232	0.0139	0.0231	0.0027	1.1353	0.000113	0.000204 ?
O	41.24	-	41.17	-	24.000	-	-	-

Total: 100.17 100.17 100.00 100.00 16.039

UNK No. = 183 ./adam?/170909 dated Sat Sep 18 15:30:20 2004
11 Elements WDS only X= 44.878 Y= 25.190 Z= 11.111
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	790.1(10.0)	433.0(5.0)	366.0(5.0)
2 LIF	Mn T	1	146.006	74.0(10.0)	29.0(5.0)	17.0(5.0)
5 TAPH	Na T	1	129.353	173.0(10.0)	101.0(5.0)	69.0(5.0)
1 TAP	Al T	1	90.481	232.0(10.0)	124.0(5.0)	103.0(5.0)
3 PETJ	K T	1	119.829	106.0(10.0)	54.0(5.0)	45.0(5.0)
2 LIF	Fe T	1	134.430	146.0(10.0)	38.0(5.0)	26.0(5.0)
1 TAP	Si T	1	77.214	75707.3(10.0)	1304.4(5.0)	160.0(5.0)
3 PETJ	Ca T	1	107.560	51319.1(10.0)	83.0(5.0)	65.0(5.0)
5 TAPH	Mg T	1	107.374	368.0(10.0)	160.0(5.0)	125.0(5.0)
3 PETJ	Ti T	1	87.970	200.0(10.0)	92.0(5.0)	92.0(5.0)
1 TAP	Sr T	1	74.370	1496.1(30.0)	-0.0(0.0)	794.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 183
Group : adam? Sample : 170909
UNK No. : 183 Comment : WoST
Stage : X= 44.8784 Y= 25.1897 Z= 11.1110
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:32 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	0.5	24.8	20.6	428.06 ?	147
2 Mn	146.006	2.8	5.8	3.4	39.12 ?	429
3 K	119.829	0.7	10.8	9.0	204.54 ?	129
4 Ba	89.098	-1.9	86.6	73.2	100.00 ?	268
5 Na	129.353	0.3	20.2	13.8	617.34 ?	124
6 Si	77.214	7424.3	260.9	32.0	0.37	375

7 Fe	134.430	8.2	7.6	5.2	17.67	428
8 Ca	107.560	5117.1	16.6	13.0	0.44	163
9 Mg	107.374	8.3	32.0	25.0	30.79	124
10 Sr	74.370	-3.1	0.0	52.9	100.00 ?	206
11 Ti	87.970	1.6	18.4	18.4	122.47 ?	229

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9620	0.0000	0.9804	0.7947	1.0540	1.2177	1.0893
Si	0.7894	0.0042	0.8662	0.9832	1.0056	1.1628	0.9999
Fe	0.9706	0.0000	0.9865	0.8063	1.0537	1.1932	1.1172
Ca	0.9445	0.0001	0.9784	0.9140	1.0427	1.0724	1.0000
Mg	0.5721	0.0071	0.6559	1.0037	0.9904	1.5230	1.0438
Ti	0.9158	0.0003	0.9423	0.8243	1.0496	1.2263	1.1356

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0020	0.0037	0.0019	0.0037	0.0007	1.0863	0.000015	0.000034 ?
Mn	0.1056	0.1363	0.1052	0.1358	0.0179	1.0893	0.000867	0.002661
K	0.0049	0.0059	0.0049	0.0059	0.0012	0.9106	0.000047	0.000428 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00019 ?
Na	0.0018	0.0024	0.0018	0.0024	0.0007	1.1998	0.000009	0.000170 ?
Si	24.04	51.43	23.96	51.25	7.953	0.9999	0.20680	1.00172
Fe	0.2692	0.3463	0.2682	0.3451	0.0448	1.1172	0.002256	0.003445
Ca	34.57	48.37	34.44	48.19	8.014	1.0000	0.32236	1.00694
Mg	0.0270	0.0448	0.0269	0.0446	0.0103	1.0438	0.000177	0.000895
Sr	0.00	0.00	0.00	0.00	0.000	0.9419	0.00000	-0.00060 ?
Ti	0.0131	0.0218	0.0130	0.0217	0.0025	1.1356	0.000107	0.000192 ?
O	41.33	-	41.18	-	24.000	-	-	-

Total: 100.36 100.36 100.00 100.00 16.045

UNK No. = 184 ./adam?/170909 dated Sat Sep 18 15:32:22 2004
11 Elements WDS only X= 45.221 Y= 29.623 Z= 11.086
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	25366.6(10.0)	152.0(5.0)	101.0(5.0)
4 PETH	Ba T	1	89.098	755.1(10.0)	401.0(5.0)	352.0(5.0)
3 PETJ	K T	1	119.829	16425.6(10.0)	34.0(5.0)	37.0(5.0)
2 LIF	Mn T	1	146.006	30.0(10.0)	25.0(5.0)	15.0(5.0)
5 TAPH	Na T	1	129.353	1657.3(10.0)	100.0(5.0)	64.0(5.0)
1 TAP	Si T	1	77.214	90610.2(10.0)	1113.3(5.0)	707.1(5.0)
3 PETJ	Ca T	1	107.560	132.0(10.0)	63.0(5.0)	51.0(5.0)
2 LIF	Fe T	1	134.430	140.0(10.0)	13.0(5.0)	19.0(5.0)
5 TAPH	Mg T	1	107.374	286.0(10.0)	166.0(5.0)	121.0(5.0)
3 PETJ	Ti T	1	87.970	186.0(10.0)	90.0(5.0)	83.0(5.0)
1 TAP	Sr T	1	74.370	1692.1(30.0)	-0.0(0.0)	760.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 184

Group : adam? Sample : 170909
 UNK No. : 184 Comment : KST
 Stage : X= 45.2214 Y= 29.6229 Z= 11.0860
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:34 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2511.4	30.4	20.2	0.64	155
2 Mn	146.006	-1.0	5.0	3.0	100.00 ?	400
3 K	119.829	1635.5	6.8	7.4	0.79	109
4 Ba	89.098	-0.5	80.2	70.4	100.00 ?	260
5 Na	129.353	149.3	20.0	12.8	2.86	122
6 Si	77.214	8879.0	222.7	141.4	0.34	418
7 Fe	134.430	10.8	2.6	3.8	12.14	302
8 Ca	107.560	1.8	12.6	10.2	87.14 ?	143
9 Mg	107.374	-0.1	33.2	24.2	100.00 ?	124
10 Sr	74.370	5.7	0.0	50.7	23.91	201
11 Ti	87.970	1.3	18.0	16.6	145.75 ?	222

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7356	0.0169	0.8251	0.9476	1.0107	1.2445	1.0334
K	0.9076	0.0001	0.9465	0.8849	1.0489	1.1382	0.9995
Na	0.4739	0.0054	0.5656	0.9712	0.9956	1.8189	1.0631
Si	0.7549	0.0018	0.8284	0.9660	1.0183	1.2250	1.0533
Fe	0.9812	0.0000	0.9972	0.7940	1.0601	1.1914	1.1156
Ca	0.9008	0.0001	0.9330	0.8990	1.0529	1.1321	1.0556
Sr	0.7844	0.0027	1.0575	0.6562	1.2220	1.1761	1.1077
Ti	0.9450	0.0004	0.9723	0.8112	1.0585	1.1974	1.1088

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	9.48	17.91	9.52	18.00	2.937	1.0334	0.07617	0.17332
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00095 ?
K	12.59	15.17	12.65	15.24	2.692	0.9995	0.11061	1.00076
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00005 ?
Na	0.7919	1.0675	0.7955	1.0724	0.2879	1.0631	0.004354	0.084448
Si	30.31	64.83	30.45	65.13	9.020	1.0533	0.24731	1.19800
Fe	0.3540	0.4554	0.3556	0.4575	0.0530	1.1156	0.002971	0.004537
Ca	0.0128	0.0180	0.0129	0.0180	0.0027	1.0556	0.000113	0.000354 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00001 ?
Sr	0.0588	0.0695	0.0591	0.0699	0.0056	1.1077	0.000500	0.001113
Ti	0.0104	0.0173	0.0104	0.0174	0.0018	1.1088	0.000087	0.000156 ?
O	45.94	-	46.15	-	24.000	-	-	-

 Total: 99.54 99.54 100.00 100.00 15.000

 UNK No. = 185 ./adam?/170909 dated Sat Sep 18 15:34:23 2004
 11 Elements WDS only X= 45.176 Y= 29.650 Z= 11.086
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4	PETH Ba T	1	89.098	852.1(10.0)	396.0(5.0)	336.0(5.0)
2	LIF Mn T	1	146.006	41.0(10.0)	22.0(5.0)	21.0(5.0)
1	TAP Al T	1	90.481	25148.4(10.0)	160.0(5.0)	102.0(5.0)
3	PETJ K T	1	119.829	16838.1(10.0)	50.0(5.0)	32.0(5.0)
5	TAPH Na T	1	129.353	1628.3(10.0)	81.0(5.0)	67.0(5.0)
2	LIF Fe T	1	134.430	161.0(10.0)	25.0(5.0)	20.0(5.0)
1	TAP Si T	1	77.214	90550.0(10.0)	1069.3(5.0)	720.1(5.0)
3	PETJ Ca T	1	107.560	123.0(10.0)	46.0(5.0)	49.0(5.0)
5	TAPH Mg T	1	107.374	259.0(10.0)	160.0(5.0)	134.0(5.0)
3	PETJ Ti T	1	87.970	188.0(10.0)	60.0(5.0)	74.0(5.0)
1	TAP Sr T	1	74.370	1714.1(30.0)	-0.0(0.0)	797.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 185

Group : adam? Sample : 170909
UNK No. : 185 Comment : KST
Stage : X= 45.1763 Y= 29.6504 Z= 11.0865
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:36 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2488.6	32.0	20.4	0.64	158
2 Mn	146.006	-0.2	4.4	4.2	100.00 ?	414
3 K	119.829	1675.6	10.0	6.4	0.78	117
4 Ba	89.098	11.1	79.2	67.2	36.07 ?	256
5 Na	129.353	148.0	16.2	13.4	2.85	116
6 Si	77.214	8876.1	213.9	144.0	0.34	414
7 Fe	134.430	11.6	5.0	4.0	12.37	359
8 Ca	107.560	2.8	9.2	9.8	52.73 ?	130
9 Mg	107.374	-3.5	32.0	26.8	100.00 ?	126
10 Sr	74.370	4.0	0.0	53.1	34.49 ?	206
11 Ti	87.970	5.4	12.0	14.8	33.23	195

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7345	0.0169	0.8237	0.9483	1.0104	1.2460	1.0347
K	0.9078	0.0002	0.9466	0.8856	1.0486	1.1373	0.9987
Ba	0.9441	0.0005	1.0354	0.5607	1.2468	1.3809	1.1997
Na	0.4727	0.0053	0.5641	0.9719	0.9953	1.8227	1.0653
Si	0.7548	0.0018	0.8283	0.9667	1.0180	1.2247	1.0530
Fe	0.9810	0.0000	0.9970	0.7946	1.0599	1.1910	1.1152
Ca	0.9003	0.0002	0.9325	0.8997	1.0526	1.1321	1.0556
Sr	0.7842	0.0027	1.0573	0.6567	1.2216	1.1757	1.1074
Ti	0.9447	0.0004	0.9720	0.8117	1.0583	1.1972	1.1086

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	9.41	17.77	9.42	17.80	2.914	1.0347	0.07548	0.17175
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00019 ?
K	12.89	15.53	12.91	15.55	2.756	0.9987	0.11332	1.02533

Ba	0.0797	0.0890	0.0798	0.0891	0.0049	1.1997	0.000577	0.001129
Na	0.7866	1.0604	0.7877	1.0619	0.2860	1.0653	0.004316	0.083712
Si	30.28	64.78	30.32	64.87	9.012	1.0530	0.24723	1.19761
Fe	0.3801	0.4890	0.3806	0.4897	0.0569	1.1152	0.003191	0.004873
Ca	0.0200	0.0279	0.0200	0.0280	0.0042	1.0556	0.000176	0.000551
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00038 ?
Sr	0.0410	0.0485	0.0411	0.0486	0.0039	1.1074	0.000349	0.000777
Ti	0.0431	0.0718	0.0431	0.0719	0.0075	1.1086	0.000360	0.000648
O	45.94	-	46.00	-	24.000	-	-	-

Total:	99.86	99.86	100.00	100.00	15.045			

 UNK No. = 186 ./adam?/170909 dated Sat Sep 18 15:36:24 2004
 11 Elements WDS only X= 45.414 Y= 29.600 Z= 11.088
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	859.1(10.0)	422.0(5.0)	342.0(5.0)
2 LIF	Mn T	1	146.006	33.0(10.0)	27.0(5.0)	10.0(5.0)
1 TAP	Al T	1	90.481	25088.0(10.0)	148.0(5.0)	95.0(5.0)
5 TAPH	Na T	1	129.353	1697.3(10.0)	102.0(5.0)	67.0(5.0)
3 PETJ	K T	1	119.829	16367.4(10.0)	43.0(5.0)	42.0(5.0)
2 LIF	Fe T	1	134.430	162.0(10.0)	18.0(5.0)	24.0(5.0)
1 TAP	Si T	1	77.214	90984.6(10.0)	1117.3(5.0)	712.1(5.0)
3 PETJ	Ca T	1	107.560	139.0(10.0)	45.0(5.0)	50.0(5.0)
5 TAPH	Mg T	1	107.374	288.0(10.0)	165.0(5.0)	147.0(5.0)
3 PETJ	Ti T	1	87.970	182.0(10.0)	90.0(5.0)	82.0(5.0)
1 TAP	Sr T	1	74.370	1689.1(30.0)	-0.0(0.0)	752.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 186

Group : adam? Sample : 170909
 UNK No. : 186 Comment : KST
 Stage : X= 45.4142 Y= 29.5998 Z= 11.0875
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:38 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2484.5	29.6	19.0	0.64	152
2 Mn	146.006	-0.4	5.4	2.0	100.00 ?	385
3 K	119.829	1628.2	8.6	8.4	0.79	119
4 Ba	89.098	8.4	84.4	68.4	48.77 ?	262
5 Na	129.353	152.8	20.4	13.4	2.83	124
6 Si	77.214	8915.5	223.5	142.4	0.34	419
7 Fe	134.430	12.0	3.6	4.8	11.90	347
8 Ca	107.560	4.4	9.0	10.0	34.77 ?	130
9 Mg	107.374	-2.4	33.0	29.4	100.00 ?	130

10 Sr	74.370	6.2	0.0	50.1	22.21	200
11 Ti	87.970	1.0	18.0	16.4	188.15 ?	221

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.7348	0.0170	0.8241	0.9479	1.0106	1.2457	1.0344
K	0.9075	0.0002	0.9464	0.8852	1.0488	1.1380	0.9994
Ba	0.9444	0.0005	1.0358	0.5604	1.2469	1.3808	1.1996
Na	0.4732	0.0053	0.5648	0.9714	0.9955	1.8211	1.0644
Si	0.7550	0.0018	0.8285	0.9663	1.0181	1.2247	1.0530
Fe	0.9812	0.0000	0.9972	0.7942	1.0600	1.1912	1.1154
Ca	0.9009	0.0002	0.9331	0.8993	1.0528	1.1317	1.0552
Sr	0.7845	0.0027	1.0576	0.6564	1.2219	1.1757	1.1074
Ti	0.9450	0.0004	0.9723	0.8114	1.0585	1.1971	1.1085

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	9.39	17.75	9.42	17.79	2.905	1.0344	0.07540	0.17158
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00038 ?
K	12.54	15.11	12.57	15.14	2.676	0.9994	0.11019	0.99700
Ba	0.0599	0.0668	0.0600	0.0670	0.0036	1.1996	0.000434	0.000848
Na	0.8120	1.0945	0.8139	1.0971	0.2947	1.0644	0.004459	0.086485
Si	30.44	65.11	30.51	65.26	9.040	1.0530	0.24850	1.20372
Fe	0.3935	0.5063	0.3944	0.5074	0.0588	1.1154	0.003303	0.005044
Ca	0.0314	0.0439	0.0314	0.0440	0.0065	1.0552	0.000277	0.000866
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00026 ?
Sr	0.0633	0.0748	0.0634	0.0750	0.0060	1.1074	0.000538	0.001198
Ti	0.0080	0.0133	0.0080	0.0133	0.0014	1.1085	0.000067	0.000120 ?
O	46.03	-	46.14	-	24.000	-	-	-

Total:	99.77	99.77	100.00	100.00	14.992			
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UNK No. = 187 ./adam?/170909 dated Sat Sep 18 15:38:25 2004

11 Elements WDS only X= 45.617 Y= 35.677 Z= 11.059

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.509E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	5299.1(10.0)	627.1(5.0)	498.1(5.0)
1 TAP	Al T	1	90.481	330.0(10.0)	121.0(5.0)	112.0(5.0)
2 LIF	Mn T	1	146.006	36.0(10.0)	20.0(5.0)	18.0(5.0)
5 TAPH	Na T	1	129.353	154.0(10.0)	85.0(5.0)	74.0(5.0)
3 PETJ	K T	1	119.829	99.0(10.0)	55.0(5.0)	43.0(5.0)
1 TAP	Si T	1	77.214	438.0(10.0)	213.0(5.0)	157.0(5.0)
2 LIF	Fe T	1	134.430	216.0(10.0)	34.0(5.0)	30.0(5.0)
3 PETJ	Ca T	1	107.560	144.0(10.0)	79.0(5.0)	56.0(5.0)
5 TAPH	Mg T	1	107.374	270.0(10.0)	166.0(5.0)	142.0(5.0)
3 PETJ	Ti T	1	87.970	83246.4(10.0)	136.0(5.0)	141.0(5.0)
1 TAP	Sr T	1	74.370	878.0(30.0)	-0.0(0.0)	416.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 187

Group : adam? Sample : 170909
 UNK No. : 187 Comment : TIST
 Stage : X= 45.6169 Y= 35.6774 Z= 11.0595
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:40 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	9.7	24.2	22.4	24.46	149
2 Mn	146.006	-0.2	4.0	3.6	100.00 ?	390
3 K	119.829	0.1	11.0	8.6	1403.57 ?	128
4 Ba	89.098	415.6	125.4	99.6	1.94	319
5 Na	129.353	-0.5	17.0	14.8	100.00 ?	120
6 Si	77.214	6.8	42.6	31.4	41.80 ?	189
7 Fe	134.430	15.2	6.8	6.0	11.01	428
8 Ca	107.560	0.9	15.8	11.2	185.59 ?	156
9 Mg	107.374	-3.8	33.2	28.4	100.00 ?	129
10 Sr	74.370	1.5	0.0	27.7	64.39 ?	149
11 Ti	87.970	8296.9	27.2	28.2	0.35	281

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5728	0.0015	0.6425	1.0532	0.9745	1.5142	1.2574
Ba	0.9757	0.0004	1.0701	0.6200	1.2176	1.2374	1.0750
Si	0.6881	0.0032	0.7551	1.0732	0.9821	1.2526	1.0770
Fe	0.9466	0.0000	0.9620	0.8773	1.0415	1.1376	1.0652
Sr	0.7211	0.0050	0.9721	0.7289	1.1789	1.1912	1.1219
Ti	0.9759	0.0003	1.0041	0.8978	1.0325	1.0740	0.9945

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0446	0.0842	0.0434	0.0821	0.0158	1.2574	0.000294	0.000670
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00019 ?
K	0.0006	0.0008	0.0006	0.0007	0.0002	0.8301	0.000007	0.000061 ?
Ba	2.67	2.98	2.60	2.90	0.186	1.0750	0.02156	0.04217
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00028 ?
Si	0.0238	0.0508	0.0232	0.0495	0.0081	1.0770	0.000190	0.000919
Fe	0.4764	0.6129	0.4641	0.5970	0.0816	1.0652	0.004188	0.006394
Ca	0.0049	0.0069	0.0048	0.0067	0.0012	0.8124	0.000057	0.000177 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00041 ?
Sr	0.0159	0.0189	0.0155	0.0184	0.0017	1.1219	0.000134	0.000298
Ti	59.29	98.90	57.76	96.34	11.845	0.9945	0.55345	0.99693
O	40.13	-	39.09	-	24.000	-	-	-

 Total: 102.65 102.65 100.00 100.00 12.139

UNK No. = 188 ./adam?/170909 dated Sat Sep 18 15:40:25 2004

11 Elements WDS only X= 45.528 Y= 35.686 Z= 11.059

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.509E-08 (A)

Channel Element Acn Peak Peak cnt sec BG_L cnt sec BG_U cnt sec

1	TAP	Al	T	1	90.481	401.0(10.0)	136.0(5.0)	84.0(5.0)
2	LIF	Mn	T	1	146.006	53.0(10.0)	23.0(5.0)	23.0(5.0)
4	PETH	Ba	T	1	89.098	5224.0(10.0)	651.1(5.0)	472.0(5.0)
5	TAPH	Na	T	1	129.353	180.0(10.0)	108.0(5.0)	82.0(5.0)
3	PETJ	K	T	1	119.829	99.0(10.0)	68.0(5.0)	41.0(5.0)
2	LIF	Fe	T	1	134.430	213.0(10.0)	44.0(5.0)	31.0(5.0)
1	TAP	Si	T	1	77.214	414.0(10.0)	235.0(5.0)	190.0(5.0)
3	PETJ	Ca	T	1	107.560	132.0(10.0)	87.0(5.0)	68.0(5.0)
5	TAPH	Mg	T	1	107.374	260.0(10.0)	179.0(5.0)	110.0(5.0)
3	PETJ	Ti	T	1	87.970	83306.5(10.0)	142.0(5.0)	143.0(5.0)
1	TAP	Sr	T	1	74.370	855.0(30.0)	-0.0(0.0)	418.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 188

Group : adam? Sample : 170909
UNK No. : 188 Comment : TIST
Stage : X= 45.5277 Y= 35.6862 Z= 11.0595
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:42 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	18.1	27.2	16.8	13.77	145
2 Mn	146.006	0.7	4.6	4.6	142.14 ?	429
3 K	119.829	-1.0	13.6	8.2	100.00 ?	135
4 Ba	89.098	407.5	130.2	94.4	1.97	320
5 Na	129.353	-1.0	21.6	16.4	100.00 ?	131
6 Si	77.214	-1.1	47.0	38.0	100.00 ?	202
7 Fe	134.430	13.8	8.8	6.2	12.30	464
8 Ca	107.560	-2.3	17.4	13.6	100.00 ?	167
9 Mg	107.374	-2.9	35.8	22.0	100.00 ?	125
10 Sr	74.370	0.6	0.0	27.9	153.98 ?	149
11 Ti	87.970	8302.1	28.4	28.6	0.35	285

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5732	0.0015	0.6428	1.0530	0.9746	1.5135	1.2569
Mn	0.9322	0.0000	0.9500	0.8647	1.0405	1.1699	1.0465
Ba	0.9757	0.0004	1.0702	0.6199	1.2177	1.2375	1.0751
Fe	0.9467	0.0000	0.9621	0.8771	1.0415	1.1378	1.0654
Sr	0.7212	0.0050	0.9722	0.7288	1.1790	1.1912	1.1219
Ti	0.9760	0.0003	1.0042	0.8976	1.0326	1.0741	0.9946

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0832	0.1572	0.0811	0.1532	0.0295	1.2569	0.000550	0.001251
Mn	0.0254	0.0328	0.0247	0.0319	0.0044	1.0465	0.000217	0.000666 ?
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00061 ?
Ba	2.62	2.92	2.55	2.85	0.182	1.0751	0.02114	0.04135
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00057 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.00015 ?
Fe	0.4326	0.5565	0.4214	0.5421	0.0741	1.0654	0.003802	0.005805
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00045 ?

Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00031 ?
Sr	0.0066	0.0078	0.0064	0.0076	0.0007	1.1219	0.000055	0.000123 ?
Ti	59.33	98.97	57.80	96.42	11.847	0.9946	0.55380	0.99755
O	40.15	-	39.11	-	24.000	-	-	

Total:	102.65	102.65	100.00	100.00	12.138			

 UNK No. = 189 ./adam?/170909 dated Sat Sep 18 15:42:26 2004
 11 Elements WDS only X= 45.504 Y= 35.743 Z= 11.060
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	5106.9(10.0)	702.1(5.0)	474.0(5.0)
1 TAP	Al T	1	90.481	382.0(10.0)	106.0(5.0)	99.0(5.0)
2 LIF	Mn T	1	146.006	54.0(10.0)	36.0(5.0)	23.0(5.0)
3 PETJ	K T	1	119.829	97.0(10.0)	67.0(5.0)	45.0(5.0)
5 TAPH	Na T	1	129.353	163.0(10.0)	99.0(5.0)	58.0(5.0)
1 TAP	Si T	1	77.214	397.0(10.0)	199.0(5.0)	190.0(5.0)
2 LIF	Fe T	1	134.430	203.0(10.0)	30.0(5.0)	33.0(5.0)
3 PETJ	Ca T	1	107.560	124.0(10.0)	79.0(5.0)	71.0(5.0)
5 TAPH	Mg T	1	107.374	283.0(10.0)	166.0(5.0)	122.0(5.0)
3 PETJ	Ti T	1	87.970	83082.4(10.0)	146.0(5.0)	122.0(5.0)
1 TAP	Sr T	1	74.370	848.0(30.0)	-0.0(0.0)	390.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 189

Group : adam? Sample : 170909
 UNK No. : 189 Comment : TIST
 Stage : X= 45.5043 Y= 35.7426 Z= 11.0600
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:44 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D. (%)	D.L. (ppm)
1 Al	90.481	17.7	21.2	19.8	13.69	140
2 Mn	146.006	-0.5	7.2	4.6	100.00 ?	485
3 K	119.829	-1.5	13.4	9.0	100.00 ?	137
4 Ba	89.098	389.8	140.4	94.8	2.05	327
5 Na	129.353	0.6	19.8	11.6	298.14 ?	119
6 Si	77.214	0.8	39.8	38.0	350.45 ?	193
7 Fe	134.430	14.0	6.0	6.6	11.65	424
8 Ca	107.560	-2.6	15.8	14.2	100.00 ?	164
9 Mg	107.374	-0.5	33.2	24.4	100.00 ?	124
10 Sr	74.370	2.3	0.0	26.0	42.82 ?	144
11 Ti	87.970	8281.4	29.2	24.4	0.35	276

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
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Al	0.5737	0.0015	0.6434	1.0525	0.9748	1.5125	1.2560
Ba	0.9758	0.0004	1.0702	0.6196	1.2178	1.2378	1.0754
Fe	0.9468	0.0000	0.9622	0.8768	1.0416	1.1380	1.0656
Sr	0.7216	0.0050	0.9729	0.7285	1.1792	1.1907	1.1215
Ti	0.9760	0.0003	1.0042	0.8973	1.0327	1.0743	0.9948

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0812	0.1535	0.0795	0.1502	0.0289	1.2560	0.000537	0.001222
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00047 ?
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00092 ?
Ba	2.50	2.79	2.45	2.73	0.175	1.0754	0.02019	0.03950
Na	0.0048	0.0065	0.0047	0.0063	0.0020	1.6080	0.000017	0.000339 ?
Si	0.0028	0.0060	0.0027	0.0058	0.0010	1.0765	0.000022	0.000108 ?
Fe	0.4383	0.5639	0.4289	0.5517	0.0753	1.0656	0.003852	0.005881
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00051 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00005 ?
Sr	0.0235	0.0278	0.0230	0.0272	0.0026	1.1215	0.000198	0.000440
Ti	59.14	98.66	57.87	96.53	11.851	0.9948	0.55168	0.99375
O	40.01	-	39.15	-	24.000	-	-	-

Total: 102.20 102.20 100.00 100.00 12.135

UNK No. = 190 ./adam?/170909 dated Sat Sep 18 15:44:28 2004
11 Elements WDS only X= 50.701 Y= 30.414 Z= 11.129
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	1291.2(10.0)	709.1(5.0)	630.1(5.0)
3 PETJ	K T	1	119.829	135.0(10.0)	93.0(5.0)	51.0(5.0)
2 LIF	Mn T	1	146.006	65.0(10.0)	37.0(5.0)	23.0(5.0)
1 TAP	Al T	1	90.481	240.0(10.0)	149.0(5.0)	92.0(5.0)
5 TAPH	Na T	1	129.353	157.0(10.0)	106.0(5.0)	56.0(5.0)
2 LIF	Fe T	1	134.430	23997.2(10.0)	50.0(5.0)	50.0(5.0)
3 PETJ	Ca T	1	107.560	174.0(10.0)	88.0(5.0)	151.0(5.0)
1 TAP	Si T	1	77.214	479.0(10.0)	253.0(5.0)	193.0(5.0)
5 TAPH	Mg T	1	107.374	368.0(10.0)	186.0(5.0)	116.0(5.0)
3 PETJ	Ti T	1	87.970	309.0(10.0)	156.0(5.0)	128.0(5.0)
1 TAP	Sr T	1	74.370	946.0(30.0)	-0.0(0.0)	434.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 190

Group : adam? Sample : 170909
UNK No. : 190 Comment : FEST
Stage : X= 50.7008 Y= 30.4137 Z= 11.1285
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:46 2004
WDS only No. of accumulation : 1

Curr. (A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-0.1	29.8	18.4	100.00 ?	152
2 Mn	146.006	0.5	7.4	4.6	223.61 ?	490
3 K	119.829	-0.9	18.6	10.2	100.00 ?	155
4 Ba	89.098	-5.9	141.8	126.0	100.00 ?	346
5 Na	129.353	-0.5	21.2	11.2	100.00 ?	121
6 Si	77.214	3.3	50.6	38.6	92.15 ?	207
7 Fe	134.430	2389.7	10.0	10.0	0.65	535
8 Ca	107.560	-6.5	17.6	30.2	100.00 ?	207
9 Mg	107.374	6.6	37.2	23.2	39.22 ?	127
10 Sr	74.370	2.6	0.0	28.9	39.43 ?	152
11 Ti	87.970	2.5	31.2	25.6	97.41 ?	284

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9827	0.0000	1.0015	0.9171	1.0183	1.0691	0.9564
Si	0.5695	0.0007	0.6249	1.1435	0.9459	1.4783	1.2711
Fe	0.9866	0.0000	1.0027	0.9298	1.0212	1.0503	0.9834
Mg	0.3055	0.0000	0.3502	1.1690	0.9318	2.6210	1.7964
Sr	0.6033	0.0000	0.8133	0.7766	1.1356	1.3942	1.3132
Ti	0.9611	0.1095	0.9889	0.9532	1.0051	0.9513	0.8809

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00001 ?
Mn	0.0165	0.0214	0.0183	0.0236	0.0057	0.9564	0.000155	0.000475 ?
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00055 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00060 ?
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00028 ?
Si	0.0136	0.0291	0.0150	0.0322	0.0092	1.2711	0.000092	0.000446 ?
Fe	70.19	90.29	77.58	99.81	23.927	0.9834	0.65789	1.00452
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00128 ?
Mg	0.0370	0.0613	0.0409	0.0678	0.0290	1.7964	0.000141	0.000712
Sr	0.0316	0.0374	0.0350	0.0414	0.0069	1.3132	0.000227	0.000505
Ti	0.0158	0.0264	0.0175	0.0292	0.0063	0.8809	0.000167	0.000300 ?
O	20.17	-	22.29	-	24.000	-	-	-

Total: 90.47 90.47 100.00 100.00 23.984

UNK No. = 191 ./adam?/170909 dated Sat Sep 18 15:46:29 2004
11 Elements WDS only X= 50.608 Y= 30.475 Z= 11.127
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	1288.2(10.0)	694.1(5.0)	595.1(5.0)
2 LIF	Mn T	1	146.006	71.0(10.0)	34.0(5.0)	29.0(5.0)
1 TAP	Al T	1	90.481	249.0(10.0)	155.0(5.0)	108.0(5.0)
5 TAPH	Na T	1	129.353	180.0(10.0)	88.0(5.0)	84.0(5.0)
3 PETJ	K T	1	119.829	139.0(10.0)	87.0(5.0)	63.0(5.0)
2 LIF	Fe T	1	134.430	23720.7(10.0)	57.0(5.0)	59.0(5.0)
1 TAP	Si T	1	77.214	454.0(10.0)	254.0(5.0)	219.0(5.0)
3 PETJ	Ca T	1	107.560	191.0(10.0)	94.0(5.0)	183.0(5.0)
5 TAPH	Mg T	1	107.374	310.0(10.0)	183.0(5.0)	133.0(5.0)

3 PETJ Ti T 1 87.970 323.0(10.0) 158.0(5.0) 146.0(5.0)
 1 TAP Sr T 1 74.370 891.0(30.0) -0.0(0.0) 456.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 191

Group : adam? Sample : 170909
 UNK No. : 191 Comment : FEST
 Stage : X= 50.6085 Y= 30.4754 Z= 11.1265
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:48 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-1.4	31.0	21.6	100.00 ?	158
2 Mn	146.006	0.8	6.8	5.8	144.70 ?	502
3 K	119.829	-1.1	17.4	12.6	100.00 ?	158
4 Ba	89.098	-1.5	138.8	119.0	100.00 ?	340
5 Na	129.353	0.8	17.6	16.8	234.52 ?	125
6 Si	77.214	-1.9	50.8	43.8	100.00 ?	213
7 Fe	134.430	2360.5	11.4	11.8	0.65	576
8 Ca	107.560	-8.6	18.8	36.6	100.00 ?	223
9 Mg	107.374	-0.6	36.6	26.6	100.00 ?	130
10 Sr	74.370	-0.7	0.0	30.4	100.00 ?	156
11 Ti	87.970	1.9	31.6	29.2	131.79 ?	294

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9827	0.0000	1.0015	0.9172	1.0183	1.0690	0.9563
Na	0.1850	0.0000	0.2208	1.1528	0.9263	4.2415	2.4789
Fe	0.9866	0.0000	1.0027	0.9300	1.0212	1.0502	0.9833
Ti	0.9612	0.1098	0.9889	0.9533	1.0051	0.9510	0.8806

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00010 ?
Mn	0.0265	0.0342	0.0296	0.0383	0.0093	0.9563	0.000248	0.000761 ?
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00067 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00015 ?
Na	0.0099	0.0134	0.0111	0.0149	0.0083	2.4789	0.000023	0.000453 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.00026 ?
Fe	69.44	89.34	77.67	99.92	23.977	0.9833	0.64984	0.99223
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00169 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00006 ?
Sr	0.00	0.00	0.00	0.00	0.000	0.9419	0.00000	-0.00014 ?
Ti	0.0120	0.0201	0.0135	0.0225	0.0048	0.8806	0.000127	0.000228 ?
O	19.91	-	22.27	-	24.000	-	-	-

Total:	89.41	89.41	100.00	100.00	23.999			

 UNK No. = 192 ./adam?/170909 dated Sat Sep 18 15:48:31 2004

11 Elements WDS only X= 50.553 Y= 30.466 Z= 11.124
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	226.0(10.0)	120.0(5.0)	80.0(5.0)
4 PETH	Ba T	1	89.098	1416.2(10.0)	753.1(5.0)	661.1(5.0)
2 LIF	Mn T	1	146.006	65.0(10.0)	38.0(5.0)	28.0(5.0)
3 PETJ	K T	1	119.829	115.0(10.0)	99.0(5.0)	70.0(5.0)
5 TAPH	Na T	1	129.353	162.0(10.0)	110.0(5.0)	80.0(5.0)
2 LIF	Fe T	1	134.430	23735.8(10.0)	47.0(5.0)	50.0(5.0)
1 TAP	Si T	1	77.214	444.0(10.0)	239.0(5.0)	167.0(5.0)
3 PETJ	Ca T	1	107.560	189.0(10.0)	94.0(5.0)	152.0(5.0)
5 TAPH	Mg T	1	107.374	330.0(10.0)	166.0(5.0)	129.0(5.0)
3 PETJ	Ti T	1	87.970	290.0(10.0)	160.0(5.0)	123.0(5.0)
1 TAP	Sr T	1	74.370	891.0(30.0)	-0.0(0.0)	473.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 192

Group : adam? Sample : 170909
 UNK No. : 192 Comment : FEST
 Stage : X= 50.5525 Y= 30.4659 Z= 11.1245
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:50 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	2.6	24.0	16.0	79.37 ?	138
2 Mn	146.006	-0.1	7.6	5.6	100.00 ?	514
3 K	119.829	-5.4	19.8	14.0	100.00 ?	168
4 Ba	89.098	-1.1	150.6	132.2	100.00 ?	356
5 Na	129.353	-2.8	22.0	16.0	100.00 ?	131
6 Si	77.214	3.8	47.8	33.4	76.72 ?	198
7 Fe	134.430	2363.9	9.4	10.0	0.65	527
8 Ca	107.560	-5.7	18.8	30.4	100.00 ?	210
9 Mg	107.374	3.5	33.2	25.8	71.43 ?	126
10 Sr	74.370	-1.8	0.0	31.5	100.00 ?	159
11 Ti	87.970	0.7	32.0	24.6	341.97 ?	284

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.4411	0.0004	0.4947	1.1226	0.9385	1.9180	1.5927
Si	0.5694	0.0007	0.6248	1.1434	0.9459	1.4786	1.2714
Fe	0.9866	0.0000	1.0027	0.9298	1.0212	1.0503	0.9834
Mg	0.3055	0.0000	0.3502	1.1690	0.9318	2.6217	1.7968

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0152	0.0287	0.0169	0.0320	0.0108	1.5927	0.000079	0.000180
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.000000	-0.00010 ?
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.000000	-0.00331 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.000000	-0.00011 ?
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.000000	-0.00159 ?

Si	0.0157	0.0335	0.0175	0.0374	0.0107	1.2714	0.000106	0.000513 ?
Fe	69.54	89.46	77.64	99.89	23.943	0.9834	0.65077	0.99366
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00112 ?
Mg	0.0196	0.0326	0.0219	0.0363	0.0155	1.7968	0.000075	0.000378
Sr	0.00	0.00	0.00	0.00	0.000	0.9419	0.00000	-0.00036 ?
Ti	0.0044	0.0074	0.0050	0.0083	0.0018	0.8808	0.000047	0.000084 ?
O	19.97	-	22.30	-	24.000	-	-	

Total: 89.56 89.56 100.00 100.00 23.982

UNK No. = 193 ./adam?/170909 dated Sat Sep 18 15:50:33 2004

11 Elements WDS only X= 50.221 Y= 35.133 Z= 11.096

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.509E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
5 TAPH	Na T	1	129.353	179.0(10.0)	109.0(5.0)	72.0(5.0)
2 LIF	Mn T	1	146.006	10329.7(10.0)	28.0(5.0)	26.0(5.0)
4 PETH	Ba T	1	89.098	3637.5(10.0)	702.1(5.0)	551.1(5.0)
1 TAP	Al T	1	90.481	309.0(10.0)	127.0(5.0)	90.0(5.0)
3 PETJ	K T	1	119.829	112.0(10.0)	62.0(5.0)	55.0(5.0)
2 LIF	Fe T	1	134.430	112.0(10.0)	32.0(5.0)	32.0(5.0)
1 TAP	Si T	1	77.214	430.0(10.0)	239.0(5.0)	188.0(5.0)
3 PETJ	Ca T	1	107.560	172.0(10.0)	96.0(5.0)	91.0(5.0)
5 TAPH	Mg T	1	107.374	325.0(10.0)	159.0(5.0)	139.0(5.0)
3 PETJ	Ti T	1	87.970	47556.5(10.0)	142.0(5.0)	135.0(5.0)
1 TAP	Sr T	1	74.370	923.0(30.0)	-0.0(0.0)	436.0(15.0)

Measurement over

Correction starts

Unknown Specimen No. 193

Group : adam? Sample : 170909

UNK No. : 193 Comment : MNST

Stage : X= 50.2205 Y= 35.1329 Z= 11.0960

Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000

Dated on Sep 18 15:52 2004

WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	9.2	25.4	18.0	24.93	144
2 Mn	146.006	1027.6	5.6	5.2	0.99	465
3 K	119.829	-0.5	12.4	11.0	100.00 ?	140
4 Ba	89.098	236.3	140.4	110.2	2.98	337
5 Na	129.353	-0.2	21.8	14.4	100.00 ?	128
6 Si	77.214	0.3	47.8	37.6	977.48 ?	203
7 Fe	134.430	4.8	6.4	6.4	27.64	428
8 Ca	107.560	-1.5	19.2	18.2	100.00 ?	183
9 Mg	107.374	2.7	31.8	27.8	92.45 ?	127
10 Sr	74.370	1.7	0.0	29.1	59.57 ?	153
11 Ti	87.970	4727.9	28.4	27.0	0.46	281

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5207	0.0009	0.5839	1.0874	0.9610	1.6372	1.3596
Mn	0.9551	0.0000	0.9733	0.8912	1.0324	1.1167	0.9989
Ba	0.9705	0.0431	1.0645	0.6391	1.2061	1.1685	1.0151
Fe	0.9648	0.0000	0.9806	0.9038	1.0341	1.0912	1.0218
Mg	0.3812	0.0004	0.4370	1.1319	0.9540	2.1183	1.4518
Sr	0.6767	0.0024	0.9122	0.7524	1.1627	1.2501	1.1774
Ti	0.9708	0.0419	0.9989	0.9255	1.0224	1.0155	0.9404

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0458	0.0865	0.0452	0.0854	0.0203	1.3596	0.000280	0.000636
Mn	35.55	45.90	35.12	45.34	7.763	0.9989	0.31855	0.97770
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.000000	-0.00031 ?
Ba	1.43	1.60	1.41	1.58	0.125	1.0151	0.01226	0.02397
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.000000	-0.00011 ?
Si	0.0011	0.0024	0.0011	0.0024	0.0005	1.1340	0.000008	0.000041 ?
Fe	0.1443	0.1856	0.1425	0.1834	0.0310	1.0218	0.001322	0.002019
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.000000	-0.00030 ?
Mg	0.0122	0.0202	0.0121	0.0200	0.0060	1.4518	0.000058	0.000291 ?
Sr	0.0186	0.0220	0.0184	0.0217	0.0025	1.1774	0.000149	0.000331
Ti	32.02	53.42	31.63	52.77	8.021	0.9404	0.31538	0.56809
O	32.01	-	31.62	-	24.000	-	-	-

Total: 101.23 101.23 100.00 100.00 15.969

UNK No. = 194 ./adam?/170909 dated Sat Sep 18 15:52:35 2004
11 Elements WDS only X= 50.299 Y= 35.089 Z= 11.096
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	333.0(10.0)	151.0(5.0)	105.0(5.0)
3 PETJ	K T	1	119.829	126.0(10.0)	96.0(5.0)	63.0(5.0)
4 PETH	Ba T	1	89.098	3544.4(10.0)	718.1(5.0)	524.1(5.0)
2 LIF	Mn T	1	146.006	10389.9(10.0)	32.0(5.0)	19.0(5.0)
5 TAPH	Na T	1	129.353	163.0(10.0)	93.0(5.0)	85.0(5.0)
1 TAP	Si T	1	77.214	403.0(10.0)	232.0(5.0)	188.0(5.0)
3 PETJ	Ca T	1	107.560	162.0(10.0)	90.0(5.0)	67.0(5.0)
2 LIF	Fe T	1	134.430	109.0(10.0)	34.0(5.0)	34.0(5.0)
5 TAPH	Mg T	1	107.374	329.0(10.0)	169.0(5.0)	142.0(5.0)
3 PETJ	Ti T	1	87.970	47115.9(10.0)	168.0(5.0)	141.0(5.0)
1 TAP	Sr T	1	74.370	909.0(30.0)	-0.0(0.0)	452.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 194

Group : adam? Sample : 170909
UNK No. : 194 Comment : MNST
Stage : X= 50.2994 Y= 35.0885 Z= 11.0960

Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 15:54 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	7.7	30.2	21.0	31.52	156
2 Mn	146.006	1033.9	6.4	3.8	0.99	452
3 K	119.829	-3.3	19.2	12.6	100.00 ?	163
4 Ba	89.098	227.4	143.6	104.8	3.07	336
5 Na	129.353	-1.5	18.6	17.0	100.00 ?	127
6 Si	77.214	-1.7	46.4	37.6	100.00 ?	201
7 Fe	134.430	4.1	6.8	6.8	32.45	441
8 Ca	107.560	0.5	18.0	13.4	357.21 ?	168
9 Mg	107.374	1.8	33.8	28.4	140.55 ?	129
10 Sr	74.370	0.2	0.0	30.1	601.80 ?	155
11 Ti	87.970	4680.7	33.6	28.2	0.47	297

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5203	0.0009	0.5836	1.0875	0.9610	1.6381	1.3603
Mn	0.9553	0.0000	0.9736	0.8913	1.0323	1.1163	0.9986
Ba	0.9705	0.0437	1.0644	0.6392	1.2061	1.1677	1.0145
Fe	0.9650	0.0000	0.9808	0.9039	1.0341	1.0909	1.0214
Mg	0.3808	0.0004	0.4365	1.1321	0.9540	2.1203	1.4532
Ti	0.9708	0.0424	0.9989	0.9256	1.0224	1.0148	0.9398

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0383	0.0724	0.0380	0.0718	0.0171	1.3603	0.000234	0.000532
Mn	35.74	46.15	35.47	45.80	7.856	0.9986	0.32029	0.98306
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00202 ?
Ba	1.38	1.54	1.37	1.53	0.121	1.0145	0.01179	0.02306
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00085 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.00023 ?
Fe	0.1231	0.1584	0.1222	0.1572	0.0266	1.0214	0.001128	0.001723
Ca	0.0029	0.0040	0.0028	0.0040	0.0009	0.8485	0.000031	0.000098 ?
Mg	0.0081	0.0135	0.0081	0.0134	0.0040	1.4532	0.000038	0.000194 ?
Sr	0.0018	0.0021	0.0018	0.0021	0.0002	1.1778	0.000014	0.000032 ?
Ti	31.66	52.82	31.43	52.42	7.983	0.9398	0.31202	0.56204
O	31.80	-	31.56	-	24.000	-	-	-

 Total: 100.75 100.75 100.00 100.00 16.009

UNK No. = 195 ./adam?/170909 dated Sat Sep 18 15:54:34 2004

11 Elements WDS only X= 50.372 Y= 35.097 Z= 11.097

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.511E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	3626.4(10.0)	700.1(5.0)	601.1(5.0)
3 PETJ	K T	1	119.829	111.0(10.0)	69.0(5.0)	53.0(5.0)
5 TAPH	Na T	1	129.353	167.0(10.0)	98.0(5.0)	91.0(5.0)
2 LIF	Mn T	1	146.006	10524.2(10.0)	32.0(5.0)	17.0(5.0)

1 TAP	Al T	1	90.481	335.0(10.0)	121.0(5.0)	105.0(5.0)
3 PETJ	Ca T	1	107.560	172.0(10.0)	90.0(5.0)	70.0(5.0)
2 LIF	Fe T	1	134.430	91.0(10.0)	39.0(5.0)	33.0(5.0)
1 TAP	Si T	1	77.214	437.0(10.0)	239.0(5.0)	173.0(5.0)
5 TAPH	Mg T	1	107.374	307.0(10.0)	158.0(5.0)	127.0(5.0)
3 PETJ	Ti T	1	87.970	47279.6(10.0)	151.0(5.0)	153.0(5.0)
1 TAP	Sr T	1	74.370	903.0(30.0)	-0.0(0.0)	435.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 195

Group : adam? Sample : 170909
UNK No. : 195 Comment : MNST
Stage : X= 50.3721 Y= 35.0975 Z= 11.0965
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 15:56 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.511E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	10.9	24.2	21.0	21.73	147
2 Mn	146.006	1047.5	6.4	3.4	0.98	442
3 K	119.829	-1.1	13.8	10.6	100.00 ?	143
4 Ba	89.098	231.1	140.0	120.2	3.05	341
5 Na	129.353	-2.2	19.6	18.2	100.00 ?	131
6 Si	77.214	2.5	47.8	34.6	116.55 ?	199
7 Fe	134.430	1.9	7.8	6.6	67.20 ?	454
8 Ca	107.560	1.2	18.0	14.0	151.84 ?	169
9 Mg	107.374	2.2	31.6	25.4	110.60 ?	124
10 Sr	74.370	1.1	0.0	29.0	91.06 ?	152
11 Ti	87.970	4697.6	30.2	30.6	0.46	294

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.5202	0.0009	0.5834	1.0877	0.9609	1.6384	1.3605
Mn	0.9554	0.0000	0.9737	0.8914	1.0323	1.1161	0.9984
Ba	0.9704	0.0439	1.0644	0.6392	1.2060	1.1675	1.0143
Si	0.6423	0.0019	0.7049	1.1081	0.9685	1.3195	1.1346
Fe	0.9651	0.0000	0.9808	0.9040	1.0340	1.0907	1.0213
Ca	0.9464	0.0780	0.9802	1.0274	1.0120	0.9102	0.8487
Mg	0.3807	0.0004	0.4364	1.1322	0.9539	2.1207	1.4534
Sr	0.6762	0.0023	0.9117	0.7526	1.1626	1.2507	1.1780
Ti	0.9708	0.0426	0.9988	0.9258	1.0223	1.0146	0.9396

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.0541	0.1023	0.0534	0.1008	0.0241	1.3605	0.000330	0.000752
Mn	36.17	46.70	35.65	46.03	7.901	0.9984	0.32430	0.99536
K	0.00	0.00	0.00	0.00	0.000	0.8782	0.00000	-0.00067 ?
Ba	1.40	1.56	1.38	1.54	0.122	1.0143	0.01197	0.02342
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00124 ?
Si	0.0092	0.0196	0.0090	0.0194	0.0039	1.1346	0.000070	0.000337 ?
Fe	0.0570	0.0733	0.0562	0.0723	0.0123	1.0213	0.000523	0.000798
Ca	0.0069	0.0096	0.0068	0.0095	0.0021	0.8487	0.000076	0.000236 ?
Mg	0.0100	0.0165	0.0098	0.0163	0.0049	1.4534	0.000047	0.000237 ?

Sr	0.0120	0.0142	0.0119	0.0140	0.0016	1.1780	0.000096	0.000214 ?
Ti	31.75	52.96	31.29	52.20	7.956	0.9396	0.31294	0.56369
O	31.99	-	31.53	-	24.000	-	-	-

Total: 101.45 101.45 100.00 100.00 16.028

UNK No. = 196 ./adam?/170909 dated Sat Sep 18 15:56:38 2004

11 Elements WDS only X= 29.878 Y= 34.907 Z= 10.945

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	763.1(10.0)	203.0(5.0)	144.0(5.0)
3 PETJ	K T	1	119.829	178.0(10.0)	97.0(5.0)	72.0(5.0)
4 PETH	Ba T	1	89.098	98949.4(10.0)	1103.3(5.0)	882.2(5.0)
5 TAPH	Na T	1	129.353	428.0(10.0)	177.0(5.0)	129.0(5.0)
2 LIF	Mn T	1	146.006	97.0(10.0)	49.0(5.0)	38.0(5.0)
1 TAP	Si T	1	77.214	641.0(10.0)	413.0(5.0)	240.0(5.0)
3 PETJ	Ca T	1	107.560	247.0(10.0)	145.0(5.0)	105.0(5.0)
2 LIF	Fe T	1	134.430	109.0(10.0)	64.0(5.0)	49.0(5.0)
5 TAPH	Mg T	1	107.374	395.0(10.0)	224.0(5.0)	149.0(5.0)
3 PETJ	Ti T	1	87.970	2312.6(10.0)	245.0(5.0)	265.0(5.0)
1 TAP	Sr T	1	74.370	2253.2(30.0)	-0.0(0.0)	632.0(15.0)

Measurement over

Correction starts

Unknown Specimen No. 196

Group : adam? Sample : 170909

UNK No. : 196 Comment : BAST

Stage : X= 29.8775 Y= 34.9065 Z= 10.9450

Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000

Dated on Sep 18 15:58 2004

WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	41.6	40.6	28.8	8.01	182
2 Mn	146.006	1.0	9.8	7.6	135.65 ?	590
3 K	119.829	0.9	19.4	14.4	206.98 ?	168
4 Ba	89.098	9693.2	220.7	176.4	0.33	423
5 Na	129.353	12.2	35.4	25.8	22.21	167
6 Si	77.214	-1.2	82.6	48.0	100.00 ?	251
7 Fe	134.430	-0.4	12.8	9.8	100.00 ?	569
8 Ca	107.560	-0.3	29.0	21.0	100.00 ?	211
9 Mg	107.374	2.2	44.8	29.8	125.94 ?	142
10 Sr	74.370	33.0	0.0	42.1	4.80	184
11 Ti	87.970	180.3	49.0	53.0	2.95	381

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.3068	0.0010	0.3441	1.5501	0.7964	2.3515	1.9527

Mn	0.8596	0.0000	0.8761	1.2470	0.9199	0.9950	0.8901
K	0.8340	0.0378	0.8697	1.4286	0.8531	0.9091	0.7983
Ba	0.9245	0.0000	1.0140	0.8975	1.0521	1.0443	0.9073
Na	0.1907	0.0003	0.2275	1.5955	0.7926	3.4742	2.0305
Mg	0.2301	0.0005	0.2637	1.6161	0.7930	2.9573	2.0268
Sr	0.4532	0.0027	0.6109	1.0704	0.9635	1.5829	1.4909
Ti	0.9253	0.0000	0.9520	1.3009	0.8876	0.9096	0.8423

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.2972	0.5615	0.4464	0.8434	0.5451	1.9527	0.001263	0.002873
Mn	0.0308	0.0398	0.0463	0.0598	0.0278	0.8901	0.000310	0.000951 ?
K	0.0055	0.0067	0.0083	0.0100	0.0070	0.7983	0.000061	0.000551 ?
Ba	56.80	63.42	85.31	95.25	20.475	0.9073	0.50248	0.98292
Na	0.1237	0.1668	0.1858	0.2505	0.2663	2.0305	0.000356	0.006904
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.000000	-0.00016 ?
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.000000	-0.00017 ?
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.000000	-0.00006 ?
Mg	0.0139	0.0230	0.0209	0.0346	0.0283	2.0268	0.000047	0.000237 ?
Sr	0.4559	0.5391	0.6847	0.8098	0.2575	1.4909	0.002878	0.006405
Ti	1.09	1.82	1.64	2.74	1.129	0.8423	0.01202	0.02165
O	7.76	-	11.65	-	24.000	-	-	-

Total:	66.58	66.58	100.00	100.00	22.735			

 UNK No. = 197 ./adam?/170909 dated Sat Sep 18 15:58:39 2004
 11 Elements WDS only X= 29.871 Y= 34.891 Z= 10.944
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
2 LIF	Mn T	1	146.006	77.0(10.0)	50.0(5.0)	22.0(5.0)
4 PETH	Ba T	1	89.098	98475.3(10.0)	1004.2(5.0)	848.2(5.0)
3 PETJ	K T	1	119.829	189.0(10.0)	92.0(5.0)	85.0(5.0)
1 TAP	Al T	1	90.481	735.1(10.0)	211.0(5.0)	137.0(5.0)
5 TAPH	Na T	1	129.353	397.0(10.0)	130.0(5.0)	112.0(5.0)
2 LIF	Fe T	1	134.430	125.0(10.0)	76.0(5.0)	59.0(5.0)
3 PETJ	Ca T	1	107.560	274.0(10.0)	148.0(5.0)	104.0(5.0)
1 TAP	Si T	1	77.214	692.1(10.0)	353.0(5.0)	243.0(5.0)
5 TAPH	Mg T	1	107.374	403.0(10.0)	249.0(5.0)	198.0(5.0)
3 PETJ	Ti T	1	87.970	2334.6(10.0)	208.0(5.0)	234.0(5.0)
1 TAP	Sr T	1	74.370	2197.2(30.0)	-0.0(0.0)	646.0(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 197

Group : adam? Sample : 170909
 UNK No. : 197 Comment : BAST
 Stage : X= 29.8710 Y= 34.8911 Z= 10.9445
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 16:00 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	38.7	42.2	27.4	8.50	182
2 Mn	146.006	0.5	10.0	4.4	244.13 ?	537
3 K	119.829	1.2	18.4	17.0	159.43 ?	172
4 Ba	89.098	9660.1	200.8	169.6	0.33	408
5 Na	129.353	15.5	26.0	22.4	16.31	148
6 Si	77.214	9.6	70.6	48.6	37.38 ?	239
7 Fe	134.430	-1.0	15.2	11.8	100.00 ?	622
8 Ca	107.560	2.2	29.6	20.8	104.23 ?	212
9 Mg	107.374	-4.4	49.8	39.6	100.00 ?	155
10 Sr	74.370	30.2	0.0	43.1	5.18	186
11 Ti	87.970	189.3	41.6	46.8	2.78	355

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.3073	0.0010	0.3446	1.5480	0.7970	2.3497	1.9512
Mn	0.8599	0.0000	0.8763	1.2454	0.9204	0.9956	0.8906
K	0.8344	0.0379	0.8701	1.4266	0.8537	0.9092	0.7984
Ba	0.9247	0.0000	1.0142	0.8963	1.0528	1.0449	0.9078
Na	0.1909	0.0003	0.2279	1.5933	0.7932	3.4718	2.0291
Si	0.4229	0.0018	0.4641	1.5746	0.8030	1.7011	1.4627
Ca	0.8734	0.0620	0.9047	1.4462	0.8654	0.8316	0.7754
Sr	0.4538	0.0027	0.6117	1.0689	0.9643	1.5817	1.4898
Ti	0.9254	0.0000	0.9522	1.2992	0.8882	0.9101	0.8428

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.2762	0.5220	0.4153	0.7847	0.5037	1.9512	0.001175	0.002673
Mn	0.0154	0.0199	0.0232	0.0299	0.0138	0.8906	0.000155	0.000475 ?
K	0.0074	0.0089	0.0111	0.0134	0.0093	0.7984	0.000081	0.000735 ?
Ba	56.64	63.24	85.14	95.06	20.293	0.9078	0.50076	0.97955
Na	0.1571	0.2118	0.2361	0.3183	0.3361	2.0291	0.000452	0.008772
Si	0.0455	0.0974	0.0684	0.1464	0.0797	1.4627	0.000268	0.001296
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.00000	-0.00042 ?
Ca	0.0115	0.0161	0.0173	0.0242	0.0141	0.7754	0.000139	0.000433 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00047 ?
Sr	0.4168	0.4929	0.6266	0.7410	0.2340	1.4898	0.002633	0.005861
Ti	1.15	1.91	1.72	2.88	1.178	0.8428	0.01262	0.02272
O	7.81	-	11.73	-	24.000	-	-	-

Total: 66.52 66.52 100.00 100.00 22.663

UNK No. = 198 ./adam?/170909 dated Sat Sep 18 16:00:41 2004

11 Elements WDS only X= 29.793 Y= 34.949 Z= 10.944

Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000

Probe Current = 1.509E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	98038.0(10.0)	1015.2(5.0)	865.2(5.0)
1 TAP	Al T	1	90.481	715.1(10.0)	170.0(5.0)	142.0(5.0)
2 LIF	Mn T	1	146.006	82.0(10.0)	46.0(5.0)	35.0(5.0)
5 TAPH	Na T	1	129.353	418.0(10.0)	152.0(5.0)	131.0(5.0)

3	PETJ	K	T	1	119.829	191.0(10.0)	103.0(5.0)	81.0(5.0)
1	TAP	Si	T	1	77.214	620.0(10.0)	354.0(5.0)	276.0(5.0)
2	LIF	Fe	T	1	134.430	118.0(10.0)	78.0(5.0)	54.0(5.0)
3	PETJ	Ca	T	1	107.560	225.0(10.0)	153.0(5.0)	104.0(5.0)
5	TAPH	Mg	T	1	107.374	387.0(10.0)	265.0(5.0)	167.0(5.0)
3	PETJ	Ti	T	1	87.970	2358.6(10.0)	256.0(5.0)	229.0(5.0)
1	TAP	Sr	T	1	74.370	2195.2(30.0)	-0.0(0.0)	623.0(15.0)

Measurement over
Correction starts

Unknown Specimen No. 198

Group : adam? Sample : 170909
UNK No. : 198 Comment : BAST
Stage : X= 29.7932 Y= 34.9488 Z= 10.9445
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 16:02 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.509E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	40.3	34.0	28.4	7.95	173
2 Mn	146.006	0.1	9.2	7.0	1276.72 ?	570
3 K	119.829	0.7	20.6	16.2	276.64 ?	176
4 Ba	89.098	9613.6	203.0	173.0	0.33	411
5 Na	129.353	13.5	30.4	26.2	19.61	160
6 Si	77.214	-1.0	70.8	55.2	100.00 ?	246
7 Fe	134.430	-1.4	15.6	10.8	100.00 ?	615
8 Ca	107.560	-3.2	30.6	20.8	100.00 ?	215
9 Mg	107.374	-4.5	53.0	33.4	100.00 ?	153
10 Sr	74.370	31.6	0.0	41.5	4.94	182
11 Ti	87.970	187.4	51.2	45.8	2.85	372

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Al	0.3069	0.0010	0.3442	1.5498	0.7965	2.3512	1.9525
Ba	0.9246	0.0000	1.0141	0.8974	1.0522	1.0444	0.9073
Na	0.1907	0.0003	0.2276	1.5953	0.7927	3.4740	2.0304
Sr	0.4533	0.0027	0.6111	1.0702	0.9636	1.5826	1.4906
Ti	0.9254	0.0000	0.9521	1.3007	0.8877	0.9096	0.8423

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.2880	0.5442	0.4354	0.8227	0.5310	1.9525	0.001224	0.002785
Mn	0.0031	0.0040	0.0047	0.0060	0.0028	0.8902	0.000031	0.000095 ?
K	0.0043	0.0052	0.0065	0.0078	0.0055	0.7982	0.000047	0.000429 ?
Ba	56.42	63.00	85.30	95.24	20.442	0.9073	0.49868	0.97549
Na	0.1370	0.1847	0.2071	0.2792	0.2964	2.0304	0.000394	0.007645
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.00014 ?
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.00000	-0.00059 ?
Ca	0.00	0.00	0.00	0.00	0.000	0.9324	0.00000	-0.00063 ?
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00049 ?
Sr	0.4377	0.5176	0.6617	0.7825	0.2485	1.4906	0.002763	0.006151
Ti	1.14	1.90	1.72	2.86	1.180	0.8423	0.01250	0.02251
O	7.72	-	11.67	-	24.000	-	-	-

Total: 66.15 66.15 100.00 100.00 22.706

 UNK No. = 199 ./adam?/170909 dated Sat Sep 18 16:02:43 2004
 11 Elements WDS only X= 60.486 Y= 39.806 Z= 11.148
 Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
 Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	1457.2(10.0)	693.1(5.0)	557.1(5.0)
1 TAP	Al T	1	90.481	324.0(10.0)	352.0(5.0)	145.0(5.0)
2 LIF	Mn T	1	146.006	64.0(10.0)	36.0(5.0)	33.0(5.0)
5 TAPH	Na T	1	129.353	246.0(10.0)	161.0(5.0)	130.0(5.0)
3 PETJ	K T	1	119.829	121.0(10.0)	59.0(5.0)	56.0(5.0)
1 TAP	Si T	1	77.214	621.0(10.0)	1328.4(5.0)	380.0(5.0)
2 LIF	Fe T	1	134.430	84.0(10.0)	40.0(5.0)	48.0(5.0)
3 PETJ	Ca T	1	107.560	518.0(10.0)	94.0(5.0)	73.0(5.0)
5 TAPH	Mg T	1	107.374	412.0(10.0)	274.0(5.0)	191.0(5.0)
3 PETJ	Ti T	1	87.970	312.0(10.0)	178.0(5.0)	127.0(5.0)
1 TAP	Sr T	1	74.370	164852.5(30.0)	-0.0(0.0)	5016.8(15.0)

Measurement over
 Correction starts

Unknown Specimen No. 199

Group : adam? Sample : 170909
 UNK No. : 199 Comment : ST
 Stage : X= 60.4865 Y= 39.8063 Z= 11.1480
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 16:04 2004
 WDS only No. of accumulation : 1

Curr. (A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-17.3	70.4	29.0	100.00 ?	218
2 Mn	146.006	-0.5	7.2	6.6	100.00 ?	525
3 K	119.829	0.6	11.8	11.2	256.04 ?	139
4 Ba	89.098	18.8	138.6	111.4	28.06	336
5 Na	129.353	-4.5	32.2	26.0	100.00 ?	162
6 Si	77.214	-108.7	265.7	76.0	100.00 ?	405
7 Fe	134.430	-0.4	8.0	9.6	100.00 ?	502
8 Ca	107.560	35.1	18.8	14.6	7.46	173
9 Mg	107.374	-5.3	54.8	38.2	100.00 ?	158
10 Sr	74.370	5160.6	0.0	334.5	0.26	517
11 Ti	87.970	0.7	35.6	25.4	354.86 ?	295

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Ba	0.8764	0.0000	0.9612	0.7693	1.1219	1.2054	1.0472
Ca	0.7947	0.0001	0.8231	1.2393	0.9307	1.0532	0.9820
Sr	0.7528	0.0000	1.0149	0.9127	1.0507	1.0274	0.9677

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
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Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00120 ?
Mn	0.00	0.00	0.00	0.00	0.000	0.8945	0.00000	-0.00047 ?
K	0.0047	0.0057	0.0081	0.0097	0.0051	1.0187	0.000041	0.000367 ?
Ba	0.1172	0.1309	0.2008	0.2243	0.0362	1.0472	0.000972	0.001902
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00255 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.01468 ?
Fe	0.00	0.00	0.00	0.00	0.000	0.9364	0.00000	-0.00017 ?
Ca	0.2331	0.3261	0.3993	0.5587	0.2467	0.9820	0.002213	0.006912
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00057 ?
Sr	48.95	57.89	83.88	99.19	23.706	0.9677	0.45044	1.00259
Ti	0.0049	0.0081	0.0084	0.0140	0.0043	0.9698	0.000047	0.000084 ?
O	9.05	-	15.51	-	24.000	-	-	

Total: 58.36 58.36 100.00 100.00 23.998

UNK No. = 200 ./adam?/170909 dated Sat Sep 18 16:04:44 2004
11 Elements WDS only X= 60.591 Y= 39.759 Z= 11.153
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
1 TAP	Al T	1	90.481	333.0(10.0)	353.0(5.0)	131.0(5.0)
2 LIF	Mn T	1	146.006	61.0(10.0)	32.0(5.0)	27.0(5.0)
4 PETH	Ba T	1	89.098	1350.2(10.0)	696.1(5.0)	587.1(5.0)
3 PETJ	K T	1	119.829	128.0(10.0)	57.0(5.0)	53.0(5.0)
5 TAPH	Na T	1	129.353	244.0(10.0)	150.0(5.0)	109.0(5.0)
1 TAP	Si T	1	77.214	608.0(10.0)	1421.4(5.0)	372.0(5.0)
2 LIF	Fe T	1	134.430	107.0(10.0)	43.0(5.0)	37.0(5.0)
3 PETJ	Ca T	1	107.560	334.0(10.0)	105.0(5.0)	67.0(5.0)
5 TAPH	Mg T	1	107.374	446.0(10.0)	251.0(5.0)	213.0(5.0)
3 PETJ	Ti T	1	87.970	306.0(10.0)	154.0(5.0)	130.0(5.0)
1 TAP	Sr T	1	74.370	166165.3(30.0)	-0.0(0.0)	4844.7(15.0)

Measurement over
Correction starts

Unknown Specimen No. 200

Group : adam? Sample : 170909
UNK No. : 200 Comment : ST
Stage : X= 60.5912 Y= 39.7592 Z= 11.1530
Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
Dated on Sep 18 16:06 2004
WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-15.1	70.6	26.2	100.00 ?	215
2 Mn	146.006	0.2	6.4	5.4	547.72 ?	486
3 K	119.829	1.8	11.4	10.6	85.71 ?	136
4 Ba	89.098	5.1	139.2	117.4	100.83 ?	340
5 Na	129.353	-1.5	30.0	21.8	100.00 ?	153
6 Si	77.214	-118.5	284.3	74.4	100.00 ?	415

7 Fe	134.430	2.7	8.6	7.4	50.65 ?	478
8 Ca	107.560	16.2	21.0	13.4	13.88	175
9 Mg	107.374	-1.8	50.2	42.6	100.00 ?	158
10 Sr	74.370	5215.9	0.0	323.0	0.26	509
11 Ti	87.970	2.2	30.8	26.0	110.41 ?	284

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9433	0.0000	0.9613	1.0707	0.9715	1.0001	0.8946
K	0.7339	0.0002	0.7653	1.2220	0.9212	1.1606	1.0192
Ba	0.8765	0.0001	0.9613	0.7695	1.1219	1.2049	1.0468
Fe	0.9558	0.0000	0.9714	1.0849	0.9780	0.9703	0.9085
Ca	0.7943	0.0001	0.8228	1.2396	0.9307	1.0535	0.9823
Sr	0.7531	0.0000	1.0153	0.9129	1.0506	1.0268	0.9671
Ti	0.8778	0.0001	0.9031	1.1150	0.9485	1.0469	0.9695

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00104 ?
Mn	0.0062	0.0080	0.0105	0.0136	0.0048	0.8946	0.000062	0.000190 ?
K	0.0141	0.0170	0.0241	0.0290	0.0152	1.0192	0.000122	0.001102
Ba	0.0322	0.0359	0.0547	0.0611	0.0099	1.0468	0.000267	0.000522 ?
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00085 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.01600 ?
Fe	0.0721	0.0928	0.1227	0.1579	0.0545	0.9085	0.000743	0.001135
Ca	0.1076	0.1505	0.1831	0.2562	0.1132	0.9823	0.001021	0.003190
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00019 ?
Sr	49.41	58.43	84.08	99.44	23.783	0.9671	0.45526	1.01333
Ti	0.0153	0.0256	0.0261	0.0436	0.0135	0.9695	0.000147	0.000264 ?
O	9.10	-	15.49	-	24.000	-	-	-

Total: 58.76 58.76 100.00 100.00 23.994

UNK No. = 201 ./adam?/170909 dated Sat Sep 18 16:06:44 2004
11 Elements WDS only X= 60.627 Y= 39.637 Z= 11.150
Acc. Voltage = 15.0 (kV) Probe Dia. = 5 Scan On Mag= 300000
Probe Current = 1.510E-08 (A)

Channel	Element	Acm	Peak	Peak cnt sec	BG_L cnt sec	BG_U cnt sec
4 PETH	Ba T	1	89.098	1351.2(10.0)	747.1(5.0)	600.1(5.0)
2 LIF	Mn T	1	146.006	75.0(10.0)	33.0(5.0)	23.0(5.0)
1 TAP	Al T	1	90.481	346.0(10.0)	353.0(5.0)	142.0(5.0)
5 TAPH	Na T	1	129.353	256.0(10.0)	141.0(5.0)	131.0(5.0)
3 PETJ	K T	1	119.829	150.0(10.0)	56.0(5.0)	77.0(5.0)
2 LIF	Fe T	1	134.430	102.0(10.0)	39.0(5.0)	48.0(5.0)
1 TAP	Si T	1	77.214	600.0(10.0)	1297.4(5.0)	362.0(5.0)
3 PETJ	Ca T	1	107.560	390.0(10.0)	116.0(5.0)	59.0(5.0)
5 TAPH	Mg T	1	107.374	429.0(10.0)	254.0(5.0)	183.0(5.0)
3 PETJ	Ti T	1	87.970	291.0(10.0)	151.0(5.0)	133.0(5.0)
1 TAP	Sr T	1	74.370	165543.8(30.0)	-0.0(0.0)	4945.8(15.0)

Measurement over
Correction starts

Unknown Specimen No. 201

Group : adam? Sample : 170909
 UNK No. : 201 Comment : ST
 Stage : X= 60.6274 Y= 39.6368 Z= 11.1505
 Acc. Voltage : 15.0 (kV) Probe Dia. : 5 Scan : On Mag : 300000
 Dated on Sep 18 16:08 2004
 WDS only No. of accumulation : 1

Curr.(A) : 1.510E-08

Element	Peak(mm)	Net(cps)	Bg-	Bg+	S.D.(%)	D.L.(ppm)
1 Al	90.481	-14.9	70.6	28.4	100.00 ?	217
2 Mn	146.006	1.9	6.6	4.6	60.24 ?	473
3 K	119.829	1.7	11.2	15.4	98.96 ?	149
4 Ba	89.098	-1.7	149.4	120.0	100.00 ?	348
5 Na	129.353	-1.6	28.2	26.2	100.00 ?	157
6 Si	77.214	-105.9	259.5	72.4	100.00 ?	399
7 Fe	134.430	1.5	7.8	9.6	91.65 ?	499
8 Ca	107.560	21.5	23.2	11.8	11.06	177
9 Mg	107.374	-0.8	50.8	36.6	100.00 ?	153
10 Sr	74.370	5188.4	0.0	329.7	0.26	514
11 Ti	87.970	0.7	30.2	26.6	342.57 ?	284

Element	f(chi)	If/Ip	abs-el	1/s-el	r-el	c/k-el	c/k-std
Mn	0.9434	0.0000	0.9614	1.0703	0.9716	1.0002	0.8947
K	0.7340	0.0002	0.7654	1.2216	0.9213	1.1606	1.0192
Fe	0.9559	0.0000	0.9715	1.0845	0.9781	0.9704	0.9087
Ca	0.7944	0.0000	0.8229	1.2392	0.9308	1.0536	0.9823
Sr	0.7534	0.0000	1.0157	0.9126	1.0508	1.0267	0.9670

Element	El. mass%	Ox mass%	Norm El%	Norm ox%	At prop	c/k-std	k-value	k-(std)
Al	0.00	0.00	0.00	0.00	0.000	0.8304	0.00000	-0.00103 ?
Mn	0.0589	0.0760	0.1007	0.1301	0.0454	0.8947	0.000589	0.001807
K	0.0134	0.0161	0.0228	0.0275	0.0145	1.0192	0.000115	0.001041 ?
Ba	0.00	0.00	0.00	0.00	0.000	0.8688	0.00000	-0.00017 ?
Na	0.00	0.00	0.00	0.00	0.000	0.5844	0.00000	-0.00090 ?
Si	0.00	0.00	0.00	0.00	0.000	0.8598	0.00000	-0.01430 ?
Fe	0.0400	0.0515	0.0685	0.0881	0.0304	0.9087	0.000413	0.000630 ?
Ca	0.1428	0.1998	0.2443	0.3418	0.1510	0.9823	0.001355	0.004234
Mg	0.00	0.00	0.00	0.00	0.000	0.6854	0.00000	-0.00009 ?
Sr	49.14	58.11	84.05	99.40	23.757	0.9670	0.45286	1.00799
Ti	0.0049	0.0081	0.0084	0.0139	0.0043	0.9697	0.000047	0.000084 ?
O	9.06	-	15.50	-	24.000	-	-	-

 Total: 58.46 58.46 100.00 100.00 24.003

UNK Measurement over