

POINT # : 4

Label: BLUFF USNM 135-1
X= 8371. Y=26197. Z= 2622.

30 30 30 30

OL N=10 Fa 24.4 ± 0.2

Px N=5 Fs 20.8 ± 0.5

Wo 1.5 ± 0.3

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
FE	48091.	1134.74	12.10	1.91817	0.14622	0.9	
MG	38511.	7284.37	41.60	3.38826	0.14929	0.4	
CA	38376.	22.90	14.82	0.00641	0.00040	14.7	
SI	27749.	6899.20	64.01	0.92033	0.12833	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.9182	17.583	2.9472	FE0	22.621	0.211
MG :	3.3883	23.693	9.1224	MG0	39.285	0.177
SI :	0.9203	17.882	5.9600	SI02	30.256	0.119
CA :	0.0064	0.045	0.0104	CA0	0.062	0.009
O		41.020	24.0000			

TOTAL : 100.224 100.224
ITERATION : 4

Fa 24.4

POINT # : 5

Label: BLUFF USNM 135-1
X= 8604. Y=26251. Z= 2624.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	7262.27	38.20	3.38014	0.14893	0.4	
FE	48091.	1131.69	11.30	1.91469	0.14595	0.9	
CA	38376.	24.70	15.56	0.00725	0.00046	13.3	
SI	27749.	6939.94	58.80	0.92669	0.12921	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.9147	17.552	2.9353	FE0	22.581	0.211
MG :	3.3801	23.640	9.0813	MG0	39.197	0.176
SI :	0.9267	18.001	5.9858	SI02	38.509	0.119
CA :	0.0073	0.050	0.0117	CA0	0.071	0.009
O		41.113	24.0000			

TOTAL : 100.357 100.357
ITERATION : 0

Fa 24.4

POINT # : 6

Label: BLUFF USNM135-1
X= 8766. Y=25740. Z= 2624.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	7165.50	42.60	3.33140	0.14678	0.5	
FE	48091.	1118.73	11.30	1.89174	0.14421	0.9	
CA	38376.	24.50	16.87	0.00605	0.00038	16.1	
SI	27749.	6807.30	61.00	0.90815	0.12663	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.8917	17.348	2.9489	FE0	22.318	0.209
MG :	3.3314	23.321	9.1061	MG0	38.668	0.174
SI :	0.9081	17.655	5.9675	SI02	37.770	0.118
CA :	0.0061	0.042	0.0100	CA0	0.059	0.009
O		40.448	24.0000			

TOTAL : 98.815 98.815
ITERATION : 0

Fa 24.5

POINT # : 7

Label: BLUFF USNM135-1
X= 9185. Y=25529. Z= 2629.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
FE	48091.	1132.69	11.10	1.91566	0.14603	0.9	
MG	38511.	7189.62	44.20	3.34145	0.14723	0.5	
CA	38376.	24.50	14.32	0.00808	0.00051	11.8	
SI	27749.	6851.21	60.10	0.91405	0.12745	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.9157	17.561	2.9678	FE0	22.592	0.211
MG :	3.3415	23.387	9.0790	MG0	38.777	0.175
SI :	0.9140	17.765	5.9700	SI02	38.005	0.118
CA :	0.0081	0.056	0.0132	CA0	0.079	0.009
O		40.683	24.0000			
TOTAL :		99.453			99.453	
ITERATION : 0						

Fe 24.6

POINT # : 8
 Label: BLUEF USNM135-1
 X= 9049. Y=24975. Z= 2629.
 30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	7195.58	40.00	3.34842	0.14753	0.5	
FE	48091.	1109.79	11.20	1.87762	0.14313	0.9	
CA	38376.	25.90	16.56	0.00742	0.00047	13.3	
SI	27749.	6845.76	58.80	0.91410	0.12746	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.8776	17.222	2.9154	FE0	22.156	0.207
MG :	3.3484	23.433	9.1119	MG0	38.853	0.175
SI :	0.9141	17.766	5.9802	SI02	38.007	0.118
CA :	0.0074	0.052	0.0132	CA0	0.072	0.010
O		40.615	24.0000			
TOTAL :		99.088			99.088	
ITERATION : 0						

Fe 24.2

POINT # : 9
 Label: BLUEF USNM 135-1
 X=10927. Y=25788. Z= 2627.
 30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	5659.20	39.60	2.62867	0.11582	0.5	
FE	48091.	681.90	9.70	1.14842	0.08754	1.0	
CA	38376.	94.92	14.21	0.06403	0.00403	2.7	
SI	27749.	10448.06	64.01	1.39804	0.19494	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.1484	10.675	1.6557	FE0	13.733	0.143
MG :	2.6287	17.644	6.2861	MG0	29.254	0.136
SI :	1.3980	25.876	7.9802	SI02	55.355	0.155
CA :	0.0640	0.452	0.0978	CA0	0.633	0.017
O		44.329	24.0000			

Fe 24.2

ITERATION : 4

POINT # : 10

Label: BLUEF USNM 135-1
X=11082. Y=27464. Z= 2618.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	5519.05	35.80	2.56566	0.11304	0.5	
CA	38376.	103.49	13.09	0.07174	0.00452	2.4	
FE	48091.	712.05	8.60	1.20217	0.09164	1.0	
SI	27749.	10349.31	68.81	1.38451	0.19305	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.2022	11.166	1.7465	FE0	14.365	0.148
MG :	2.5657	17.239	6.1940	MG0	28.584	0.133
SI :	1.3845	25.640	7.9745	SI02	54.852	0.154
CA :	0.0717	0.507	0.1104	CA0	0.709	0.017
O		43.957	24.0000			

TOTAL : 98.509 98.509
ITERATION : 0

POINT # : 11

Label: BLUEF USNM135-1
X=11939. Y=29274. Z= 2621.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	7237.78	43.30	3.36562	0.14829	0.5	
FE	48091.	1107.88	11.80	1.87277	0.14276	0.9	
CA	38376.	23.40	15.14	0.00656	0.00041	14.3	
SI	27749.	6823.84	57.30	0.91107	0.12704	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.8728	17.188	2.9114	FE0	22.112	0.207
MG :	3.3656	23.534	9.1570	MG0	39.022	0.176
SI :	0.9111	17.697	5.9604	SI02	37.858	0.118
CA :	0.0066	0.046	0.0108	CA0	0.064	0.009
O		40.591	24.0000			

TOTAL : 99.056 99.056
ITERATION : 4

POINT # : 12

Label: BLUEF USNM135-1
X=11959. Y=29128. Z= 2621.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	5655.52	39.50	2.62682	0.11574	0.5	
CA	38376.	109.49	11.60	0.07766	0.00489	2.3	
FE	48091.	688.05	7.80	1.16210	0.08859	1.0	
SI	27749.	10523.80	72.51	1.40700	0.19619	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.1621	10.797	1.6658	FE0	13.890	0.144
MG :	2.6368	17.627	6.2468	MGO	29.226	0.136
SI :	1.4070	26.028	7.9848	SI02	55.681	0.156
CA :	0.0777	0.548	0.1179	CA0	0.767	0.018
O		44.565	24.0000			

Fs 20.7
30.15

TOTAL : 99.564 99.564
ITERATION : 4

POINT # : 13

Label: BLUFF USNM135-1
X=13636, Y=29126, Z= 2612.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
FE	48091.	1117.76	8.90	1.89504	0.14446	0.9	
MG	38511.	7172.12	40.50	3.33698	0.14703	0.5	
CA	38376.	23.83	13.88	0.00790	0.00050	12.0	
SI	27749.	6834.29	59.10	0.91245	0.12723	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.8950	17.386	2.9468	FE0	22.367	0.209
MG :	3.3370	23.373	9.0999	MGO	38.754	0.175
SI :	0.9124	17.715	5.9702	SI02	37.897	0.118
CA :	0.0079	0.055	0.0130	CA0	0.077	0.009
O		40.566	24.0000			

Fs 21.0

TOTAL : 99.095 99.095
ITERATION : 4

POINT # : 14

Label: BLUFF USNM135-1
X=16163, Y=31721, Z= 2610.

30 30 30 30

ELT.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG %	BEAM
							30.2
MG	38511.	7179.91	42.10	3.33916	0.14712	0.5	
FE	48091.	1114.01	13.00	1.88122	0.14340	0.9	
CA	38376.	26.60	13.98	0.01001	0.00063	9.9	
SI	27749.	6836.34	59.11	0.91253	0.12724	0.3	

ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR
FE :	1.8812	17.263	2.9272	FE0	22.208	0.208
MG :	3.3392	23.387	9.1096	MGO	38.778	0.175
SI :	0.9125	17.716	5.9734	SI02	37.900	0.118
CA :	0.0100	0.070	0.0164	CA0	0.097	0.010
O		40.548	24.0000			

Fa 24.3

TOTAL : 98.984 98.984
ITERATION : 0

POINT # : 15

Label: BLUFF USNM135-1
X=16477, Y=33029, Z= 2599.

ELI.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	BEAM
							30.2
FE	48091.	1124.69	11.80	1.90126	0.14493	0.9	
MG	38511.	7191.09	39.90	3.34497	0.14738	0.5	
CA	38376.	23.97	14.33	0.00765	0.00048	12.5	
SI	27749.	6850.04	56.80	0.91456	0.12752	0.3	
ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR	
FE :	1.9013	17.442	2.9493	FE0	22.438	0.210	
MG :	3.3450	23.425	9.0991	MG0	38.841	0.175	
SI :	0.9146	17.754	5.9695	SI02	37.981	0.118	
CA :	0.0076	0.053	0.0125	CA0	0.074	0.009	
O		40.660	24.0000				
TOTAL :		99.334			99.334		
ITERATION :	0						

Fa_{24.5}

POINT # : 16

Label: BLUFF USNM135-1
X=18144. Y=34011. Z= 2599.

30 30 30 30

ELI.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	BEAM
							30.2
MG	38511.	5538.89	32.00	2.57573	0.11349	0.5	
CA	38376.	131.73	12.30	0.09475	0.00597	2.1	
FE	48091.	668.83	8.70	1.12771	0.08596	1.0	
SI	27749.	10363.79	67.51	1.38610	0.19327	0.3	
ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR	
FE :	1.1277	10.490	1.6441	FE0	13.495	0.141	
MG :	2.5757	17.320	6.2356	MG0	28.718	0.134	
SI :	1.3861	25.629	7.9871	SI02	54.827	0.154	
CA :	0.0947	0.669	0.1462	CA0	0.937	0.019	
O		43.869	24.0000				
TOTAL :		97.976			97.976		
ITERATION :	4						

Fs_{20.5}

Wo_{1.8}

POINT # : 17

Label: BLUFF USNM135-1
X=18217. Y=34357. Z= 2593.

30 30 30 30

ELI.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	BEAM
							30.2
MG	38511.	5495.07	37.00	2.55342	0.11250	0.5	
CA	38376.	129.03	14.20	0.09111	0.00574	2.1	
FE	48091.	667.12	8.90	1.12468	0.08573	1.0	
SI	27749.	10271.74	71.41	1.37347	0.19151	0.3	
ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR	
FE :	1.1247	10.462	1.6534	FE0	13.459	0.141	
MG :	2.5534	17.176	6.2356	MG0	28.480	0.133	
SI :	1.3735	25.409	7.9846	SI02	54.357	0.153	
CA :	0.0911	0.644	0.1418	CA0	0.901	0.019	
O		43.505	24.0000				
TOTAL :		97.196			97.196		
ITERATION :	0						

Fs_{20.6}

Wo_{1.8}

POINT # : 18

Label: BLUFF UUSNM135-1
X=16726. Y=34365. Z= 2601.

30 30 30 30

ELI.	PEAK POS.	PEAK (C/S)	BACKGR. (C/S)	I.X./I.STD.	K.RATIO	SIG Z	BEAM
							30.2
MG	38511.	7194.79	42.40	3.34551	0.14740	0.5	
FE	48091.	1117.59	13.00	1.88707	0.14385	0.9	
CA	38376.	24.93	14.81	0.00803	0.00051	12.0	
SI	27749.	6827.92	55.80	0.91171	0.12713	0.3	
ELEMENT	I.X./I.STD.	WT. % CONCEN.	NORMALIZED ATOM. CON.	COMPOUND	WT. % CONCEN.	1 SIGMA ERROR	
FE :	1.8871	17.316	2.9350	FE0	22.276	0.209	
MG :	3.3455	23.421	9.1189	MG0	38.833	0.175	
SI :	0.9117	17.703	5.9665	SI02	37.872	0.118	
CA :	0.0080	0.056	0.0132	CA0	0.078	0.009	
O		40.564	24.0000				
TOTAL :		99.059			99.059		
ITERATION :	4						

Fa_{24.3}