

May Day - Pyroxenes

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
1	mg	3558.548	22.068	1.2294	19.26	31.94
	si	6707.387	33.602	1.0964	26.70	57.12
	ca	30.969	7.133	0.0193	0.22	0.31
	fe	319.871	4.267	0.7093	8.50	10.94

						100.31

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
2	mg	3514.768	23.134	1.2138	19.07	31.62
	si	6750.936	33.936	1.1035	26.84	57.41
	ca	40.837	8.133	0.0265	0.30	0.42
	fe	327.381	4.967	0.7246	8.68	11.17

						100.62

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
3	mg	3427.063	22.334	1.1836	18.71	31.02
	si	6687.361	36.836	1.0926	26.56	56.82
	ca	49.705	7.500	0.0342	0.39	0.54
	fe	341.533	4.767	0.7569	9.06	11.66

						100.04

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
4	mg	3526.295	21.634	1.2183	19.15	31.75
	si	6764.119	36.269	1.1053	26.89	57.51
	ca	46.238	6.900	0.0319	0.36	0.51
	fe	329.617	5.167	0.7292	8.74	11.24

						101.01

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
5	mg	3482.217	21.268	1.2031	19.01	31.53
	si	6739.774	36.569	1.1013	26.80	57.32
	ca	38.036	7.433	0.0248	0.28	0.39
	fe	345.939	4.267	0.7679	9.20	11.83

						101.08

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
6	mg	3454.605	22.101	1.1932	18.88	31.31
	si	6678.427	34.236	1.0916	26.56	56.82
	ca	56.040	8.233	0.0387	0.44	0.61
	fe	347.541	4.767	0.7704	9.23	11.87

						100.61

pyroxene

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
7	mg	3492.628	20.134	1.2072	19.12	31.70
	si	6666.481	36.103	1.0893	26.54	56.78
	ca	47.471	7.133	0.0327	0.37	0.52

fe 52.448 4.533 0.7819 9.36 12.04

101.05

pyroxene

8	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	3433.112	22.434	1.1857	18.84	31.25
	si	6460.443	36.869	1.0553	25.77	55.12
	ca	40.537	7.867	0.0265	0.30	0.42
	fe	356.521	4.300	0.7916	9.47	12.19

98.97

pyroxene

X	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	3396.686	20.401	1.1737	18.69	31.00
	si	6429.938	35.236	1.0506	25.64	54.85
	ca	56.973	7.067	0.0404	0.46	0.64
	fe	360.693	5.000	0.7994	9.57	12.31

98.79

pyroxene

X	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	3452.847	22.968	1.1923	18.78	31.13
	si	6439.479	34.202	1.0523	25.65	54.87
	ca	85.114	7.767	0.0626	0.71	0.99
	fe	322.475	4.600	0.7144	8.56	11.01

98.01

pyroxene

X	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	3278.997	21.668	1.1324	18.30	30.35
	si	6251.292	33.936	1.0214	24.98	53.44
	ca	48.205	7.900	0.0326	0.37	0.52
	fe	402.123	5.400	0.8916	10.65	13.70

98.01

CALIBRATION

Spec.	Element	Position	Peak Counts	Std. Devn.	Background
1	mg	38369	2880	0.42 %	21
3	fe	48140	441	0.51 %	5

CALIBRATION

Spec.	Element	Position	Peak Counts	Std. Devn.	Background
1	si	27627	6006	0.26 %	34
2	ca	38334	1238	0.37 %	10

4ELPX

X	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	4677.689	25.301	1.6276	26.81	44.45
	si	4401.780	31.102	0.7318	19.07	40.79
	ca	10.334	7.867	0.0020	0.02	0.03
	fe	504.509	4.367	1.1483	13.65	17.56

102.84

4ELPX

Wad Det - 230000

9	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
	mg	3437.167	22.768	1.1945	18.80	31.18
	si	6657.856	36.669	1.1087	26.92	57.58
	ca	47.771	7.400	0.0329	0.37	0.52
	fe	324.811	5.300	0.7336	8.79	11.31

4ELPX

102.84

Et	mg	3437.167	B.G.	22.768	1.1945	18.80	Wt% Et	18.80	Wt% Ox	31.18
Et	Peak									
st	mg	6657.856	B.G.	36.669	1.1087	26.92	Wt% Et	26.92	Wt% Ox	57.58
st	ca	47.771	B.G.	7.400	0.0329	0.37	Wt% Et	0.37	Wt% Ox	0.52
st	fe	324.811	B.G.	5.300	0.7336	8.79	Wt% Et	8.79	Wt% Ox	11.31

100.59

Et	mg	3476.032	B.G.	23.335	1.2079	18.97	Wt% Et	18.97	Wt% Ox	31.46
Et	Peak									
st	mg	6742.753	B.G.	35.803	1.1230	27.25	Wt% Et	27.25	Wt% Ox	58.30
st	ca	51.139	B.G.	7.600	0.0354	0.40	Wt% Et	0.40	Wt% Ox	0.56
st	fe	321.006	B.G.	5.267	0.7249	8.69	Wt% Et	8.69	Wt% Ox	11.18

101.50

Et	mg	3418.041	B.G.	20.268	1.1887	18.74	Wt% Et	18.74	Wt% Ox	31.08
Et	Peak									
st	mg	6688.867	B.G.	33.902	1.1143	27.04	Wt% Et	27.04	Wt% Ox	57.84
st	ca	54.073	B.G.	7.433	0.0380	0.43	Wt% Et	0.43	Wt% Ox	0.60
st	fe	330.251	B.G.	5.533	0.7455	8.93	Wt% Et	8.93	Wt% Ox	11.49

101.01

Et	mg	3542.657	B.G.	21.134	1.2320	19.27	Wt% Et	19.27	Wt% Ox	31.95
Et	Peak									
st	mg	6681.816	B.G.	34.202	1.1131	27.07	Wt% Et	27.07	Wt% Ox	57.90
st	ca	33.402	B.G.	7.633	0.0210	0.24	Wt% Et	0.24	Wt% Ox	0.33
st	fe	309.425	B.G.	4.700	0.6996	8.39	Wt% Et	8.39	Wt% Ox	10.79

100.98

Et	mg	3537.012	B.G.	22.468	1.2295	19.27	Wt% Et	19.27	Wt% Ox	31.95
Et	Peak									
st	mg	6775.829	B.G.	35.403	1.1286	27.41	Wt% Et	27.41	Wt% Ox	58.63
st	ca	49.005	B.G.	7.100	0.0341	0.39	Wt% Et	0.39	Wt% Ox	0.54
st	fe	316.367	B.G.	4.733	0.7155	8.58	Wt% Et	8.58	Wt% Ox	11.04

102.16

Et	mg	3452.746	B.G.	21.034	1.2006	18.87	Wt% Et	18.87	Wt% Ox	31.29
Et	Peak									
st	mg	6692.907	B.G.	35.236	1.1148	27.07	Wt% Et	27.07	Wt% Ox	57.90
st	ca	32.035	B.G.	7.600	0.0199	0.23	Wt% Et	0.23	Wt% Ox	0.32
st	fe	321.640	B.G.	4.567	0.7280	8.72	Wt% Et	8.72	Wt% Ox	11.22

100.73

Et	mg	3461.905	B.G.	22.268	1.2033	18.82	Wt% Et	18.82	Wt% Ox	31.20
Et	Peak									
st	mg	6596.973	B.G.	35.703	1.0986	26.68	Wt% Et	26.68	Wt% Ox	57.07
st	ca	55.973	B.G.	7.600	0.0394	0.45	Wt% Et	0.45	Wt% Ox	0.63
st	fe	301.849	B.G.	4.967	0.6816	8.17	Wt% Et	8.17	Wt% Ox	10.52

99.42

Et	mg	3484.144	B.G.	22.368	1.2111	18.96	Wt% Et	18.96	Wt% Ox	31.45
Et	Peak									
st	mg	6615.144	B.G.	33.569	1.1020	26.78	Wt% Et	26.78	Wt% Ox	57.29
st	ca	45.037	B.G.	6.767	0.0312	0.35	Wt% Et	0.35	Wt% Ox	0.50

9

4ELPX

X

4ELPX

10

4ELPX

11

4ELPX

X

4ELPX

12

4ELPX

13

4ELPX

14

4ELPX

15

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3437.876	24.235	1.1942	18.81	31.18
si	6692.291	32.636	1.1151	27.07	57.90
ca	44.271	8.367	0.0292	0.33	0.46
fe	327.882	5.767	0.7396	8.86	11.40

100.95

13

14

X

11

10

X

May Day - Pyroxenes

H452

pyroxene

X

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3558.548		22.068	1.2294	19.26	31.94
si	6707.387		33.602	1.0964	26.70	57.12
ca	30.969		7.133	0.0193	0.22	0.31
fe	319.871		4.267	0.7093	8.50	10.94

						100.31

pyroxene

2

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3514.768		23.134	1.2138	19.07	31.62
si	6750.936		33.936	1.1035	26.84	57.41
ca	40.837		8.133	0.0265	0.30	0.42
fe	327.381		4.967	0.7246	8.68	11.77

						100.62

pyroxene

3

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3427.063		22.334	1.1836	18.71	31.02
si	6687.361		36.836	1.0926	26.56	56.82
ca	49.705		7.500	0.0342	0.39	0.54
fe	341.533		4.767	0.7569	9.06	11.66

						100.04

pyroxene

4

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3526.295		21.634	1.2183	19.15	31.75
si	6764.119		36.269	1.1053	26.89	57.51
ca	46.238		6.900	0.0319	0.36	0.51
fe	329.617		5.167	0.7292	8.74	11.24

						101.01

pyroxene

5

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3482.217		21.268	1.2031	19.01	31.53
si	6739.774		36.569	1.1013	26.80	57.32
ca	38.036		7.433	0.0248	0.28	0.39
fe	345.939		4.267	0.7679	9.20	11.83

						101.08

pyroxene

6

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3454.605		22.101	1.1932	18.88	31.31
si	6678.427		34.236	1.0916	26.56	56.82
ca	56.040		8.233	0.0387	0.44	0.61
fe	347.541		4.767	0.7704	9.23	11.87

						100.61

pyroxene

7

	E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3492.628		20.134	1.2072	19.12	31.70
si	6666.481		36.103	1.0893	26.54	56.78
ca	47.471		7.133	0.0327	0.37	0.52

fe 352.448 4.533 0.7819 9.36 12.04

101.05

pyroxene

18
15

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	3433.112	22.434	1.1857	18.84	31.25
si	6460.443	36.869	1.0553	25.77	55.12
ca	40.537	7.867	0.0265	0.30	0.42
fe	356.521	4.300	0.7916	9.47	12.19

98.97

pyroxene

X

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	3396.686	20.401	1.1737	18.69	31.00
si	6429.938	35.236	1.0506	25.64	54.85
ca	56.973	7.067	0.0404	0.46	0.64
fe	360.693	5.000	0.7994	9.57	12.31

98.79

pyroxene

X

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	3452.847	22.968	1.1923	18.78	31.13
si	6439.479	34.202	1.0523	25.65	54.87
ca	85.114	7.767	0.0626	0.71	0.99
fe	322.475	4.600	0.7144	8.56	11.01

98.01

pyroxene

X

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	3278.997	21.668	1.1324	18.30	30.35
si	6251.292	33.936	1.0214	24.98	53.44
ca	48.205	7.900	0.0326	0.37	0.52
fe	402.123	5.400	0.8916	10.65	13.70

98.01

CALIBRATION

Spec.	Element	Position	Peak Counts	Std. Devn.	Background
1	mg	38369	2880	0.42 %	21
3	fe	48140	441	0.51 %	5

CALIBRATION

Spec.	Element	Position	Peak Counts	Std. Devn.	Background
1	si	27627	6006	0.26 %	34
2	ca	38334	1238	0.37 %	10

4ELPX

X

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	4677.689	25.301	1.6276	26.81	44.45
si	4401.780	31.102	0.7318	19.07	40.79
ca	10.334	7.867	0.0020	0.02	0.03
fe	504.509	4.367	1.1483	13.65	17.56

102.84

4ELPX

Work Done - Pyroxene

EI	Peak	B.G.	Ix/Istd	Wt% EI	Wt% Ox
mg	3437.167	22.768	1.1945	18.80	31.18
si	6657.956	36.669	1.1087	26.92	57.58
ca	47.771	7.400	0.0329	0.37	0.52
fe	324.811	5.300	0.7336	8.79	11.31

9

May Day - Pyroxene

4ELPX

Wort Don - GRAUOMERZ

102.84

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3437.167	22.768	1.1945	18.80	31.18
si	6657.856	36.669	1.1087	26.92	57.58
ca	47.771	7.400	0.0329	0.37	0.52
fe	324.811	5.300	0.7336	8.79	11.31
					100.59

9

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3476.032	23.395	1.2079	18.97	31.46
si	6742.753	35.803	1.1230	27.25	58.30
ca	51.139	7.600	0.0354	0.40	0.56
fe	321.006	5.267	0.7249	8.69	11.18
					101.50

X

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3418.041	20.268	1.1887	18.74	31.08
si	6688.867	33.902	1.1143	27.04	57.84
ca	54.073	7.433	0.0380	0.43	0.60
fe	330.251	5.533	0.7455	8.93	11.49
					101.01

10

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3542.657	21.134	1.2320	19.27	31.95
si	6681.816	34.202	1.1131	27.07	57.90
ca	33.402	7.633	0.0210	0.24	0.33
fe	309.425	4.700	0.6996	8.39	10.79
					100.98

11

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3537.012	22.468	1.2295	19.27	31.95
si	6775.829	35.403	1.1286	27.41	58.63
ca	49.005	7.100	0.0341	0.39	0.54
fe	316.367	4.733	0.7155	8.58	11.04
					102.16

X

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3452.746	21.034	1.2006	18.87	31.29
si	6692.907	35.236	1.1148	27.07	57.90
ca	32.035	7.600	0.0199	0.23	0.32
fe	321.640	4.567	0.7280	8.72	11.22
					100.73

12

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3461.905	22.268	1.2033	18.82	31.20
si	6596.973	35.703	1.0986	26.68	57.07
ca	55.973	7.600	0.0394	0.45	0.63
fe	301.849	4.967	0.6816	8.17	10.52
					99.42

13

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3484.144	22.368	1.2111	18.96	31.45
si	6615.144	33.569	1.1020	26.78	57.29
ca	45.037	6.757	0.0312	0.35	0.50

14

4ELPX

E1	Peak	B.G.	Ix/Istd	Wt% E1	Wt% Ox
mg	3437.876	24.235	1.1942	18.81	31.18
si	6692.291	32.636	1.1151	27.07	57.90
ca	44.271	8.367	0.0292	0.33	0.46
fe	327.882	5.767	0.7396	8.86	11.40

100.95

15

13

15
2

X

11
2

10

X

Work Done - fractions

d