Table 2

Electron Microprobe Analyses of Luna-16 Materials

Anal. No.	Fragment	SiO_2	TiO_2	Al_2O_3	CaO	MgO	FeO	Total
PYROXENES								
Basalts								
3	301,1	48.24	3.51	3.83	14.44	12.98	15.69	98.68
4	301,1	47.29	3.99	4.00	18.09	11.84	14.23	99.49
7	301,1	47.79	3.44	3.65	18.85	11.72	13.12	98.58
32	301,28	49.11	2.75	3.28	13.63	14.81	15.48	99.06
33	301,28	49.90	2.81	3.38	17.25	14.42	13.55	101.31
Feldspathic rocks								
8	301,4	49.02	1.43	4.32	10.28	7.36	27.56	99.98
9	301,4	48.41	0.87	16.44	13.98	6.07	15.11	100.87
11	301,4	49.20	1.19	3.73	11.33	6.16	29.03	100.66
12	301,4	47.28	0.65	2.07	15.18	6.48	20.70	92.36
PLAGIOCLASE								
Basalts								
5	301,1	46.35	0.22	33.15	18.20	0.29	0.56	98.77
6	301,1	46.38	0.17	33.25	18.36	0.25	0.58	99.00
Feldspathic rocks								
13	301,4	45.31	0.17	33.93	18.90	0.30	1.33	99.93
14	301,4	47.00	0.29	29.24	16.96	2.70	4.16	100.34
49	301,73	45.95	0.09	33.95	19.34	0.65	0.34	100.32
50	301,73	46.72	0.03	34.09	19.36	0.65	0.41	101.26
51	301,73	45.19	0.11	34.55	19.27	0.44	0.29	99.85

Table 2 (continued)

Anal. No.	Fragment	SiO_2	TiO_2	Al_2O_3	CaO	MgO	FeO	Total
Light microbreccias								
25	301,21	44.55	0.09	34.82	19.46	0.09	0.25	99.26
26	301,21	47.67	0.21	32.61	18.71	0.26	1.00	100.45
Large single grain fragment								
38	301,34	46.18	0.10	34.19	19.10	0.47	0.31	100.35
39	301,34	45.63	0.10	34.35	19.08	0.35	0.32	99.83
SILICA								
10	301,4	91.50	0.33	1.37	1.27	0.27	2.88	97.63
OLIVINE								
27	301,21	38.44	0.20	0.24	0.41	35.05	27.78	102.12
GLASSES								
Clear, colorless glasses								
28	301,23	43.86	0.29	27.18	14.94	12.20	2.96	101.42
29	301,23	44.02	0.21	27.29	14.57	11.93	2.83	100.85
30	301,23	43.92	0.35	27.20	14.92	11.52	3.00	100.92
Clear plagioclase glass (maskelynite)								
42	301,42	44.87	0.07	34.73	19.11	0.23	0.15	99.15
43	301,42	45.54	0.01	34.85	19.31	0.18	0.18	100.08
44	301,42	45.29	0.08	34.80	19.53	0.11	0.20	100.00
Annealed plagioclase fragment								
47	301,71	45.03	0.12	34.44	19.17	0.18	0.24	99.17