

SUPPLEMENTARY TABLE 1. COMPOSITION OF OI IVINE
IN THE PERCHATKA COMPLEX, KOLA PENINSULA, RUSSIA

#	Sample	SiO ₂	FeO	MnO	MgO	CaO	NiO	Total
1	PRCH-1 OI 1 1	39.24	22.72	0.22	37.54	0.02	0.26	100.00
2	PRCH-1 OI 1 2	39.18	22.82	0.22	37.60	0.02	0.27	100.11
3	PRCH-1 OI 2 1	38.85	24.46	0.26	36.45	0.02	0.25	100.29
4	PRCH-1 OI 2 2	38.79	24.27	0.24	36.35	0.01	0.25	99.91
5	PRCH-1 OI 3 1	39.03	22.92	0.23	37.15	0.02	0.26	99.62
6	PRCH-1 OI 3 2	39.00	23.05	0.21	37.27	0.01	0.26	99.79
7	PRCH-3 OI 1 1	40.18	16.27	0.22	42.00	0.59	0.30	99.57
8	PRCH-3 OI 1 2	40.16	16.67	0.21	42.65	0.01	0.31	100.00
9	PRCH-3 OI 2 1	39.98	16.37	0.23	42.59	0.01	0.30	99.47
10	PRCH-3 OI 2 2	39.97	16.41	0.23	42.34	0.06	0.31	99.30
11	PRCH-3 OI 3 1	40.09	15.95	0.20	43.02	0.01	0.29	99.57
12	PRCH-3 OI 3 2	39.97	16.47	0.23	42.61	0.02	0.33	99.63
13	PRCH-5 OI 1 1	38.99	19.39	0.21	41.16	0.03	0.31	100.08
14	PRCH-5 OI 1 2	39.07	19.18	0.21	41.18	0.05	0.31	100.00
15	PRCH-5 OI 2 1	39.03	19.63	0.20	40.83	0.02	0.34	100.04
16	PRCH-5 OI 2 2	39.03	19.65	0.21	40.90	0.01	0.32	100.13
17	PRCH-5 OI 3 1	39.00	19.34	0.23	41.04	0.01	0.32	99.94
18	PRCH-5 OI 3 2	38.98	19.21	0.22	41.02	0.01	0.32	99.77
19	PRCH-6 OI 1 1	39.78	13.13	0.16	46.21	0.06	0.40	99.74
20	PRCH-6 OI 1 2	39.77	12.99	0.15	46.72	0.06	0.41	100.11
21	PRCH-6 OI 2 1	39.42	12.86	0.16	46.13	0.18	0.37	99.13
22	PRCH-6 OI 2 2	39.82	12.88	0.17	46.39	0.03	0.37	99.65
23	PRCH-6 OI 3 1	39.37	13.04	0.17	46.37	0.04	0.37	99.37
24	PRCH-6 OI 3 2	39.54	12.91	0.14	46.13	0.06	0.40	99.18
25	PRCH-7 OI 1 1	39.78	16.77	0.22	42.87	0.02	0.27	99.93
26	PRCH-7 OI 1 2	39.56	16.75	0.22	42.74	0.01	0.28	99.56
27	PRCH-7 OI 2 1	39.80	16.82	0.20	42.51	0.02	0.30	99.66
28	PRCH-7 OI 2 2	39.54	16.73	0.20	42.95	0.01	0.28	99.71
29	PRCH-7 OI 3 1	39.71	16.71	0.22	42.83	0.02	0.29	99.78
30	PRCH-7 OI 3 2	39.63	16.91	0.21	42.47	0.15	0.28	99.64
31	PRCH 8 OI 1 1	39.08	17.76	0.21	41.64	0.01	0.30	99.00
32	PRCH 8 OI 1 2	39.07	18.07	0.23	41.66	0.00	0.27	99.30
33	PRCH 8 OI 2 1	38.99	17.73	0.22	41.61	0.02	0.27	98.84
34	PRCH 8 OI 2 2	38.73	17.91	0.20	41.86	0.02	0.30	99.02
35	PRCH 8 OI 3 1	39.23	17.97	0.24	41.11	0.01	0.24	98.81
36	PRCH 8 OI 3 2	39.17	18.13	0.21	41.40	0.00	0.29	99.20
37	PRCH 9 OI 1 1	38.10	22.91	0.24	38.03	0.00	0.30	99.58
38	PRCH 9 OI 1 2	38.59	21.78	0.22	38.16	0.04	0.31	99.10
39	PRCH 9 OI 2 1	38.28	22.05	0.21	38.06	0.01	0.29	98.91
40	PRCH 9 OI 3 1	38.26	21.72	0.23	38.46	0.10	0.28	99.06
41	PRCH 9 OI 3 2	38.36	21.98	0.28	38.65	0.02	0.28	99.57
42	PRCH 10 OI 1 1	39.90	12.53	0.13	46.20	0.00	0.34	99.10
43	PRCH 10 OI 1 2	40.01	12.41	0.13	46.06	0.01	0.34	98.97
44	PRCH 10 OI 2 1	40.02	12.86	0.14	46.20	0.00	0.37	99.59

45	PRCH 10 OI 2 2	39.82	12.73	0.15	46.32	0.00	0.36	99.38
46	PRCH 10 OI 3 1	40.42	12.72	0.20	46.09	0.00	0.40	99.83
47	PRCH 10 OI 3 2	40.11	12.82	0.18	46.15	0.02	0.37	99.66
48	PRCH-11 OI 1 1	37.91	21.63	0.28	39.34	0.01	0.27	99.44
49	PRCH-11 OI 1 2	37.98	21.40	0.27	39.31	0.01	0.28	99.25
50	PRCH-11 OI 2 1	38.41	21.79	0.30	39.42	0.01	0.28	100.21
51	PRCH-11 OI 2 2	38.39	21.58	0.26	39.56	0.02	0.27	100.07
52	PRCH-11 OI 3 1	38.19	21.74	0.23	39.40	0.01	0.30	99.88
53	PRCH-11 OI 3 2	38.50	21.57	0.28	39.62	0.02	0.32	100.31
54	PRCH-12 OI 1 1	39.89	13.17	0.15	46.47	0.04	0.35	100.06
55	PRCH-12 OI 1 2	40.13	13.06	0.16	46.51	0.03	0.34	100.21
56	PRCH-12 OI 2 1	40.11	13.17	0.17	46.33	0.00	0.36	100.14
57	PRCH-12 OI 2 2	39.78	12.99	0.17	46.62	0.02	0.36	99.95
58	PRCH-12 OI 3 1	39.98	13.27	0.16	46.45	0.06	0.33	100.25
59	PRCH-12 OI 3 2	40.02	13.18	0.13	46.35	0.03	0.34	100.05
60	PRCH-13 OI 1 1	39.51	16.14	0.23	42.97	0.03	0.30	99.18
61	PRCH-13 OI 1 2	40.00	16.25	0.21	42.81	0.01	0.28	99.56
62	PRCH-13 OI 12 1	39.76	16.16	0.24	43.19	0.03	0.32	99.70
63	PRCH-13 OI 12 2	39.74	16.30	0.21	43.14	0.02	0.27	99.68
64	PRCH-13 OI 13 1	39.64	16.20	0.23	43.10	0.21	0.30	99.69
65	PRCH-13 OI 13 2	39.69	16.52	0.24	43.39	0.01	0.31	100.16
66	PRCH-14 OI 1 1	40.26	12.24	0.20	46.71	0.03	0.34	99.78
67	PRCH-14 OI 1 2	40.80	12.29	0.19	46.59	0.02	0.36	100.25
68	PRCH-14 OI 2 1	40.21	12.22	0.20	46.70	0.03	0.33	99.68
69	PRCH-14 OI 2 2	40.45	12.23	0.20	46.71	0.02	0.35	99.95
70	PRCH-14 OI 3 1	40.65	11.95	0.20	46.58	0.02	0.35	99.75
71	PRCH-14 OI 3 2	40.42	11.97	0.19	46.28	0.02	0.34	99.22
72	PRCH-15 OI 1 1	40.30	13.86	0.19	44.88	0.01	0.35	99.59
73	PRCH-15 OI 1 2	40.62	14.05	0.21	44.82	0.01	0.36	100.06
74	PRCH-15 OI 2 1	40.86	13.58	0.16	45.67	0.00	0.35	100.63
75	PRCH-15 OI 2 2	40.51	13.55	0.17	45.09	0.28	0.35	99.95
76	PRCH-15 OI 3 1	40.72	13.49	0.17	45.19	0.02	0.34	99.93
77	PRCH-15 OI 3 2	40.37	13.60	0.17	45.45	0.02	0.36	99.97
78	PRCH-16 OI 1 1	39.43	16.48	0.19	42.78	0.02	0.35	99.24
79	PRCH-16 OI 1 2	39.61	16.36	0.22	42.70	0.04	0.34	99.26
80	PRCH-16 OI 2 1	39.52	16.36	0.17	42.83	0.01	0.37	99.26
81	PRCH-16 OI 2 2	39.77	16.45	0.21	42.54	0.01	0.31	99.29
82	PRCH-16 OI 3 1	39.85	16.09	0.20	43.20	0.02	0.33	99.68
83	PRCH-16 OI 3 2	39.18	17.23	0.18	42.54	0.47	0.35	99.96
84	PRCH-17 OI 1 1	39.97	13.23	0.17	45.87	0.02	0.33	99.59
85	PRCH-17 OI 1 2	39.86	13.31	0.17	45.60	0.01	0.36	99.31
86	PRCH-17 OI 2 1	40.02	13.72	0.16	45.54	0.01	0.36	99.82
87	PRCH-17 OI 2 2	40.13	13.79	0.18	45.15	0.42	0.35	100.04
88	PRCH-17 OI 3 1	39.64	13.42	0.17	45.83	0.02	0.38	99.46
89	PRCH-17 OI 3 2	39.98	13.36	0.17	45.70	0.02	0.35	99.57
90	PRCH-18 OI 1 1	39.72	13.74	0.16	44.66	0.51	0.28	99.07
91	PRCH-18 OI 1 2	39.73	13.48	0.15	45.88	0.11	0.30	99.67
92	PRCH-18 OI 2 1	39.37	13.72	0.17	45.75	0.12	0.30	99.43
93	PRCH-18 OI 2 2	39.57	13.52	0.17	46.10	0.05	0.29	99.70
94	PRCH-18 OI 3 1	39.72	13.61	0.16	45.81	0.02	0.29	99.60
95	PRCH-18 OI 3 2	39.63	13.62	0.17	46.26	0.03	0.30	100.01

96	PRCH-19 OI 1 1	39.67	13.67	0.17	45.60	0.08	0.31	99.50
97	PRCH-19 OI 1 2	39.57	13.68	0.16	45.57	0.03	0.32	99.32
98	PRCH-19 OI 2 1	39.78	13.57	0.16	45.70	0.01	0.30	99.52
99	PRCH-19 OI 2 2	39.71	13.35	0.17	45.75	0.01	0.32	99.30
100	PRCH-19 OI 3 1	39.74	13.60	0.16	45.45	0.09	0.31	99.35
101	PRCH-19 OI 3 2	39.71	13.49	0.16	45.47	0.03	0.32	99.17
102	PRCH-20 OI 1 1	39.54	17.41	0.22	42.24	0.01	0.28	99.70
103	PRCH-20 OI 1 2	39.40	17.40	0.20	41.90	0.08	0.29	99.27
104	PRCH-20 OI 2 1	39.24	17.24	0.21	41.86	0.07	0.27	98.89
105	PRCH-20 OI 2 2	39.35	17.31	0.22	42.12	0.06	0.25	99.30
106	PRCH-20 OI 3 1	38.96	17.54	0.29	41.99	0.01	0.28	99.08
107	PRCH-20 OI 3 2	39.36	17.36	0.20	41.84	0.01	0.26	99.03
108	PRCH-21 OI 1 1	38.45	24.52	0.24	36.32	0.02	0.27	99.82
109	PRCH-21 OI 1 2	38.48	24.38	0.28	36.36	0.02	0.28	99.80
110	PRCH-21 OI 2 1	38.55	24.08	0.25	36.55	0.01	0.27	99.72
111	PRCH-21 OI 2 2	38.45	24.18	0.26	36.43	0.02	0.30	99.64
112	PRCH-21 OI 3 1	38.20	24.19	0.25	36.39	0.07	0.28	99.39
113	PRCH-21 OI 3 2	38.06	23.92	0.25	36.59	0.02	0.29	99.13
114	PRCH-22 OI 1 1	38.36	23.94	0.26	37.17	0.02	0.26	100.00
115	PRCH-22 OI 1 2	38.43	24.08	0.27	37.18	0.02	0.28	100.26
116	PRCH-22 OI 2 1	38.28	24.86	0.25	36.52	0.03	0.27	100.22
117	PRCH-22 OI 2 2	38.18	24.71	0.27	36.53	0.01	0.28	99.97
118	PRCH-22 OI 3 1	38.16	24.73	0.28	36.84	0.01	0.24	100.27
119	PRCH-22 OI 3 2	38.22	24.60	0.28	36.78	0.02	0.29	100.18
120	PRCH-23 OI 1 1	39.59	16.66	0.19	43.02	0.03	0.36	99.85
121	PRCH-23 OI 1 2	39.95	16.54	0.18	43.01	0.03	0.38	100.10
122	PRCH-23 OI 2 1	39.71	17.05	0.20	42.86	0.03	0.34	100.19
123	PRCH-23 OI 2 2	39.84	16.99	0.22	42.83	0.02	0.35	100.25
124	PRCH-23 OI 3 1	39.88	17.07	0.22	42.86	0.02	0.35	100.40
125	PRCH-23 OI 3 2	39.85	16.96	0.22	42.70	0.16	0.35	100.24
126	PRCH-24 OI 1 1	40.55	13.96	0.18	44.56	0.02	0.33	99.60
127	PRCH-24 OI 1 2	40.29	14.00	0.18	44.53	0.09	0.33	99.41
128	PRCH-24 OI 2 1	40.31	14.09	0.17	44.70	0.00	0.33	99.60
129	PRCH-24 OI 2 2	40.58	14.57	0.19	43.35	0.19	0.34	99.22
130	PRCH-24 OI 3 1	40.57	14.05	0.18	44.57	0.16	0.31	99.84
131	PRCH-24 OI 3 2	40.64	14.10	0.19	44.80	0.01	0.32	100.06
132	PRCH-25 OI 1 1	39.84	18.98	0.21	40.76	0.01	0.25	100.05
133	PRCH-25 OI 1 2	39.76	19.12	0.27	40.24	0.01	0.27	99.66
134	PRCH-25 OI 2 1	39.78	18.86	0.23	40.52	0.02	0.23	99.64
135	PRCH-25 OI 2 2	39.63	18.95	0.25	40.47	0.01	0.24	99.54
136	PRCH-25 OI 3 1	39.66	18.88	0.23	40.34	0.01	0.25	99.37
137	PRCH-25 OI 3 2	39.29	18.86	0.23	40.33	0.24	0.24	99.19
138	PRCH-28 OI 1 1	38.85	22.12	0.23	38.59	0.02	0.27	100.08
139	PRCH-28 OI 1 2	37.96	22.45	0.23	38.10	0.05	0.26	99.05
140	PRCH-28 OI 2 1	38.12	22.17	0.25	38.15	0.05	0.29	99.02
141	PRCH-28 OI 2 2	38.19	23.70	0.22	36.89	0.07	0.26	99.33
142	PRCH-28 OI 3 1	38.53	24.09	0.23	36.95	0.02	0.30	100.12
143	PRCH-28 OI 3 2	38.26	24.34	0.23	36.66	0.02	0.31	99.83
144	PRCH-29 OI 1 1	37.04	31.02	0.28	31.64	0.01	0.30	100.29
145	PRCH-29 OI 1 2	36.91	30.94	0.31	31.56	0.01	0.28	100.00
146	PRCH-29 OI 2 1	36.96	31.41	0.31	30.90	0.00	0.24	99.83

147	PRCH-29 OI 2 2	36.98	31.60	0.33	30.69	0.02	0.27	99.88
148	PRCH-29 OI 3 1	37.04	31.71	0.31	30.55	0.02	0.30	99.93
149	PRCH-29 OI 3 2	36.75	31.60	0.31	30.47	0.01	0.31	99.44
150	PRCH-30 OI 1 1	38.80	21.76	0.21	38.13	0.01	0.27	99.19
151	PRCH-30 OI 1 2	38.74	22.00	0.22	38.23	0.00	0.26	99.45
152	PRCH-30 OI 2 1	39.30	21.35	0.23	38.05	0.01	0.23	99.17
153	PRCH-30 OI 2 2	38.60	21.57	0.23	38.41	0.01	0.24	99.06
154	PRCH-30 OI 3 1	38.79	21.37	0.21	38.34	0.01	0.27	98.98
155	PRCH-30 OI 3 2	39.14	21.18	0.22	38.30	0.02	0.26	99.13
156	PRCH-31 OI 1 1	39.06	20.71	0.22	38.85	0.02	0.25	99.12
157	PRCH-31 OI 1 2	38.97	20.73	0.23	39.22	0.01	0.24	99.40
158	PRCH-31 OI 2 1	39.34	20.63	0.23	39.05	0.05	0.24	99.55
159	PRCH-31 OI 2 2	39.27	20.67	0.24	38.92	0.04	0.25	99.39
160	PRCH-31 OI 3 1	39.07	21.02	0.24	38.76	0.03	0.25	99.38
161	PRCH-31 OI 3 2	38.98	21.17	0.21	38.64	0.02	0.25	99.28
162	PRCH-32 OI 1 1	37.53	24.88	0.28	35.90	0.02	0.28	98.89
163	PRCH-32 OI 1 2	37.51	24.88	0.27	36.00	0.01	0.27	98.94
164	PRCH-32 OI 2 1	37.57	25.14	0.26	35.68	0.02	0.27	98.94
165	PRCH-32 OI 2 2	37.48	24.97	0.27	35.89	0.01	0.29	98.91
166	PRCH-32 OI 3 1	37.53	25.68	0.27	35.95	0.01	0.28	99.72
167	PRCH-32 OI 3 2	37.52	25.56	0.25	35.55	0.00	0.30	99.18
168	PRCH-33 OI 1 1	37.99	21.62	0.22	39.09	0.01	0.29	99.23
169	PRCH-33 OI 1 2	38.12	21.60	0.21	39.43	0.02	0.30	99.68
170	PRCH-33 OI 2 1	38.49	21.22	0.22	39.04	0.02	0.34	99.33
171	PRCH-33 OI 2 2	38.46	21.25	0.22	38.81	0.01	0.34	99.10
172	PRCH-33 OI 3 1	38.45	21.33	0.24	39.06	0.01	0.31	99.39
173	PRCH-33 OI 3 2	38.45	21.41	0.22	39.17	0.01	0.32	99.59
174	PRCH-34 OI 1 1	39.29	17.49	0.22	42.24	0.02	0.34	99.61
175	PRCH-34 OI 1 2	38.95	17.49	0.21	42.52	0.06	0.33	99.56
176	PRCH-34 OI 2 1	39.54	17.59	0.23	42.25	0.08	0.29	99.98
177	PRCH-34 OI 2 2	39.40	17.51	0.23	42.31	0.02	0.27	99.73
178	PRCH-34 OI 3 1	39.64	17.60	0.21	42.18	0.02	0.32	99.96
179	PRCH-34 OI 3 2	39.41	17.69	0.20	42.34	0.02	0.30	99.97
180	PRCH-35 OI 1 2	38.90	16.65	0.22	43.34	0.03	0.31	99.44
181	PRCH-35 OI 2 1	39.80	17.11	0.20	42.65	0.04	0.30	100.10
182	PRCH-35 OI 2 2	39.72	16.95	0.21	42.61	0.06	0.31	99.87
183	PRCH-35 OI 3 1	39.87	17.29	0.23	42.41	0.02	0.31	100.12
184	PRCH-35 OI 3 2	39.70	17.21	0.23	42.63	0.05	0.30	100.11
185	PRCH-36 OI 1 1	39.34	16.48	0.20	43.32	0.01	0.28	99.62
186	PRCH-36 OI 1 2	39.16	16.62	0.20	42.97	0.02	0.31	99.26
187	PRCH-36 OI 2 1	39.12	16.52	0.23	43.07	0.01	0.26	99.21
188	PRCH-36 OI 2 2	38.85	16.59	0.20	43.25	0.01	0.29	99.19
189	PRCH-36 OI 3 1	39.60	16.82	0.24	42.34	0.14	0.26	99.39
190	PRCH-36 OI 3 2	39.32	16.77	0.20	43.00	0.02	0.28	99.57
191	PRCH-37 OI 1 1	40.00	17.16	0.20	42.93	0.02	0.27	100.57
192	PRCH-37 OI 1 2	39.69	17.31	0.21	42.70	0.02	0.25	100.18
193	PRCH-37 OI 2 1	39.85	17.59	0.20	42.62	0.02	0.26	100.54
194	PRCH-37 OI 2 2	39.94	17.56	0.20	41.96	0.02	0.25	99.92
195	PRCH-37 OI 3 1	39.74	17.57	0.22	42.80	0.02	0.24	100.59
196	PRCH-37 OI 3 2	39.78	17.59	0.20	42.61	0.02	0.23	100.43
197	PRCH-38 OI 1 1	39.74	15.05	0.12	43.95	0.04	0.32	99.22

198	PRCH-38 OI 1 2	40.45	14.38	0.19	44.94	0.09	0.32	100.37
199	PRCH-38 OI 2 1	40.52	14.47	0.19	44.65	0.06	0.33	100.22
200	PRCH-38 OI 2 2	40.19	14.85	0.17	44.54	0.11	0.30	100.16
201	PRCH-38 OI 3 1	40.00	15.05	0.17	44.79	0.02	0.31	100.34
202	PRCH-38 OI 3 2	40.05	15.05	0.21	44.52	0.06	0.34	100.24
203	PRCH-39 OI 1 1	40.14	14.07	0.18	45.53	0.01	0.34	100.27
204	PRCH-39 OI 1 2	40.13	14.25	0.18	45.42	0.01	0.36	100.35
205	PRCH-39 OI 2 1	40.23	14.19	0.20	45.42	0.02	0.31	100.37
206	PRCH-39 OI 2 2	40.29	14.13	0.19	45.38	0.03	0.33	100.35
207	PRCH-39 OI 3 1	40.28	14.29	0.19	45.13	0.08	0.36	100.33
208	PRCH-39 OI 3 2	40.05	14.24	0.20	45.48	0.01	0.34	100.32
209	PRCH-40 OI 1 1	38.62	20.20	0.27	40.34	0.04	0.26	99.73
210	PRCH-40 OI 1 2	38.68	20.71	0.23	38.92	0.58	0.23	99.35
211	PRCH-40 OI 2 1	38.66	20.10	0.23	40.41	0.04	0.26	99.71
212	PRCH-40 OI 2 2	38.76	20.14	0.25	40.32	0.02	0.27	99.75
213	PRCH-40 OI 3 1	38.61	20.86	0.26	39.91	0.02	0.28	99.94
214	PRCH-40 OI 3 2	38.67	20.78	0.26	40.02	0.02	0.28	100.03
215	PRCH-41 OI 1 1	39.54	19.25	0.24	39.78	0.01	0.27	99.10
216	PRCH-41 OI 1 2	39.31	19.41	0.23	39.86	0.02	0.27	99.10
217	PRCH-41 OI 2 1	39.71	19.18	0.23	40.48	0.03	0.30	99.93
218	PRCH-41 OI 2 2	39.57	18.98	0.22	40.11	0.09	0.27	99.24
219	PRCH-41 OI 3 1	39.62	18.97	0.24	40.02	0.03	0.28	99.16
220	PRCH-41 OI 3 2	39.57	19.06	0.27	39.98	0.03	0.28	99.18
221	PRCH-42 OI 1 1	39.45	19.60	0.23	40.54	0.02	0.26	100.10
222	PRCH-42 OI 1 2	39.31	19.28	0.23	40.38	0.03	0.23	99.47
223	PRCH-42 OI 2 1	39.38	19.11	0.22	40.67	0.02	0.24	99.64
224	PRCH-42 OI 2 2	39.00	19.13	0.22	40.34	0.03	0.27	98.99
225	PRCH-42 OI 3 1	39.60	19.07	0.22	40.64	0.02	0.25	99.80
226	PRCH-42 OI 3 2	39.48	19.28	0.22	40.94	0.02	0.25	100.18
227	PRCH-43 OI 1 1	39.46	19.20	0.25	40.84	0.02	0.26	100.02
228	PRCH-43 OI 1 2	39.18	19.33	0.24	41.33	0.01	0.26	100.34
229	PRCH-43 OI 2 1	39.25	19.42	0.24	41.12	0.02	0.28	100.33
230	PRCH-43 OI 2 2	39.15	19.52	0.24	40.89	0.05	0.26	100.09
231	PRCH-43 OI 3 1	39.26	18.93	0.24	41.02	0.12	0.26	99.84
232	PRCH-43 OI 3 2	39.40	19.12	0.23	41.30	0.03	0.25	100.34
233	PRCH-44 OI 1 1	39.36	20.07	0.25	38.85	0.40	0.28	99.20
234	PRCH-44 OI 1 2	39.25	20.08	0.25	39.89	0.05	0.26	99.78
235	PRCH-44 OI 2 1	39.15	19.87	0.25	40.13	0.05	0.28	99.74
236	PRCH-44 OI 2 2	39.16	19.89	0.23	39.86	0.15	0.27	99.56
237	PRCH-44 OI 3 1	39.49	19.96	0.23	39.92	0.02	0.28	99.89
238	PRCH-44 OI 3 2	39.18	19.94	0.25	39.97	0.03	0.26	99.64
239	PRCH-45 OI 1 2	39.32	19.66	0.24	40.97	0.01	0.27	100.47
240	PRCH-45 OI 2 1	38.95	19.93	0.25	40.48	0.02	0.27	99.91
241	PRCH-45 OI 2 2	39.11	19.68	0.23	40.86	0.02	0.25	100.14
242	PRCH-45 OI 3 1	39.30	19.28	0.23	40.84	0.03	0.28	99.96
243	PRCH-45 OI 3 2	39.51	19.41	0.24	41.07	0.01	0.27	100.51
244	PRCH-46 OI 1 1	38.98	20.87	0.23	39.89	0.02	0.29	100.28
245	PRCH-46 OI 1 2	38.88	20.88	0.21	39.51	0.05	0.28	99.81
246	PRCH-46 OI 2 1	38.72	20.89	0.22	39.59	0.02	0.30	99.74
247	PRCH-46 OI 2 2	38.90	21.18	0.22	39.75	0.04	0.28	100.36
248	PRCH-46 OI 3 1	38.99	20.41	0.21	40.20	0.01	0.29	100.10

249	PRCH-46 OI 3 2	39.06	20.42	0.19	40.03	0.02	0.29	100.01
250	PRCH-47 OI 1 1	39.60	15.70	0.17	44.54	0.08	0.34	100.43
251	PRCH-47 OI 1 2	39.75	15.22	0.19	44.60	0.02	0.33	100.10
252	PRCH-47 OI 2 1	39.92	14.81	0.17	45.08	0.00	0.33	100.31
253	PRCH-47 OI 2 2	39.70	15.49	0.19	44.26	0.01	0.33	99.98
254	PRCH-47 OI 3 2	39.41	15.42	0.17	44.76	0.02	0.36	100.14
255	PRCH-48 OI 1 1	39.77	15.81	0.19	44.00	0.02	0.26	100.06
256	PRCH-48 OI 1 2	39.93	15.79	0.21	43.81	0.02	0.29	100.05
257	PRCH-48 OI 2 1	39.85	15.90	0.20	43.80	0.01	0.25	100.01
258	PRCH-48 OI 2 2	39.62	15.88	0.21	43.83	0.02	0.27	99.83
259	PRCH-48 OI 3 1	39.59	16.11	0.19	43.83	0.01	0.26	99.99
260	PRCH-48 OI 3 2	39.70	16.14	0.20	43.61	0.01	0.27	99.92
261	PRCH-49 OI 1 1	40.52	14.15	0.19	44.67	0.03	0.28	99.85
262	PRCH-49 OI 1 2	40.32	14.13	0.18	44.95	0.03	0.26	99.87
263	PRCH-49 OI 2 1	40.61	14.23	0.18	44.81	0.01	0.25	100.10
264	PRCH-49 OI 3 1	40.29	14.32	0.17	44.91	0.00	0.29	99.98
265	PRCH-50 OI 2 1	40.35	12.90	0.18	46.25	0.01	0.32	100.02
266	PRCH-50 OI 2 2	41.19	12.86	0.15	45.78	0.03	0.34	100.35
267	PRCH-50 OI 1 1	40.12	12.77	0.16	46.27	0.14	0.33	99.79
268	PRCH-50 OI 1 2	40.40	12.85	0.17	46.43	0.11	0.34	100.30
269	PRCH-50 OI 3 1	40.48	13.03	0.16	46.24	0.10	0.31	100.33
270	PRCH-50 OI 3 2	40.27	13.18	0.16	46.26	0.08	0.34	100.29
271	PRCH-51 OI 1 1	40.08	13.36	0.17	46.31	0.03	0.34	100.29
272	PRCH-51 OI 1 2	40.05	13.44	0.16	45.99	0.04	0.33	100.00
273	PRCH-51 OI 2 1	40.10	13.50	0.17	45.85	0.03	0.34	99.98
274	PRCH-51 OI 2 2	40.08	13.61	0.15	45.72	0.21	0.34	100.12
275	PRCH-51 OI 3 1	40.11	13.43	0.16	46.09	0.09	0.36	100.24
276	PRCH-51 OI 3 2	40.07	13.26	0.15	45.96	0.14	0.30	99.89
277	PRCH-52 OI 1 1	40.95	12.39	0.15	45.39	0.16	0.35	99.40
278	PRCH-52 OI 1 2	40.64	12.44	0.15	46.68	0.03	0.37	100.32
279	PRCH-52 OI 2 1	40.57	12.52	0.17	45.96	0.02	0.36	99.60
280	PRCH-52 OI 2 2	40.99	12.48	0.15	45.58	0.08	0.35	99.64
281	PRCH-52 OI 3 1	40.38	12.55	0.15	46.42	0.02	0.35	99.87
282	PRCH-52 OI 3 2	41.18	12.38	0.14	46.08	0.03	0.34	100.15
283	PRCH-53 OI 1 1	40.68	12.70	0.18	46.26	0.02	0.34	100.18
284	PRCH-53 OI 1 2	40.56	12.80	0.18	46.41	0.05	0.32	100.32
285	PRCH-53 OI 2 1	40.59	12.52	0.19	46.32	0.03	0.34	99.99
286	PRCH-53 OI 2 2	40.69	12.62	0.18	46.40	0.02	0.35	100.26
287	PRCH-53 OI 3 1	40.41	12.55	0.17	46.11	0.03	0.33	99.60
288	PRCH-53 OI 3 2	40.70	12.62	0.18	46.44	0.02	0.33	100.29
289	PRCH-54 OI 1 1	39.98	14.12	0.17	44.87	0.02	0.32	99.48
290	PRCH-54 OI 2 1	40.14	14.23	0.18	44.92	0.02	0.32	99.81
291	PRCH-54 OI 2 2	40.18	14.29	0.19	44.83	0.02	0.30	99.81
292	PRCH-54 OI 3 1	40.32	14.33	0.17	44.90	0.03	0.32	100.08
293	PRCH-54 OI 3 2	40.19	14.42	0.18	44.70	0.03	0.32	99.85
294	PRCH-55 OI 1 1	40.51	14.48	0.17	44.36	0.01	0.34	99.88
295	PRCH-55 OI 1 2	40.53	14.48	0.17	44.39	0.03	0.34	99.95
296	PRCH-55 OI 2 1	40.23	14.42	0.17	44.33	0.03	0.33	99.52
297	PRCH-55 OI 2 2	40.43	14.69	0.18	44.77	0.06	0.33	100.46
298	PRCH-55 OI 3 1	40.38	14.49	0.19	44.33	0.02	0.32	99.73
299	PRCH-55 OI 3 2	40.49	14.52	0.19	44.40	0.01	0.30	99.91

300	PRCH-56 OI 1 1	39.71	16.62	0.20	43.03	0.03	0.30	99.88
301	PRCH-56 OI 1 2	40.03	16.65	0.21	42.99	0.03	0.30	100.20
302	PRCH-56 OI 2 1	39.62	16.88	0.23	42.75	0.02	0.26	99.75
303	PRCH-56 OI 2 2	39.89	16.69	0.22	43.20	0.01	0.30	100.32
304	PRCH-56 OI 3 1	40.09	16.44	0.23	43.02	0.10	0.28	100.15
305	PRCH-56 OI 3 2	39.97	16.35	0.20	42.95	0.08	0.30	99.86
306	PRCH-57 OI 1 1	39.11	18.97	0.23	41.42	0.02	0.35	100.09
307	PRCH-57 OI 1 2	39.26	18.88	0.23	41.28	0.01	0.34	100.00
308	PRCH-57 OI 2 1	39.06	18.90	0.23	40.95	0.03	0.34	99.52
309	PRCH-57 OI 2 2	39.07	18.87	0.23	41.42	0.01	0.34	99.94
310	PRCH-57 OI 3 1	39.30	18.74	0.22	41.07	0.03	0.33	99.68
311	PRCH-57 OI 3 2	39.13	18.73	0.23	41.20	0.03	0.35	99.68
312	PRCH-58 OI 1 1	40.33	14.56	0.18	44.39	0.02	0.31	99.79
313	PRCH-58 OI 1 2	40.43	14.72	0.17	44.80	0.03	0.29	100.45
314	PRCH-58 OI 2 1	40.15	14.52	0.18	44.65	0.08	0.33	99.90
315	PRCH-58 OI 2 2	40.33	14.55	0.18	44.52	0.04	0.32	99.94
316	PRCH-58 OI 3 1	40.45	14.54	0.19	44.65	0.05	0.31	100.19
317	PRCH-58 OI 3 2	40.24	14.54	0.18	44.67	0.04	0.30	99.95
318	PRCH-59 OI 1 1	40.15	13.86	0.18	45.43	0.03	0.33	99.99
319	PRCH-59 OI 1 2	40.26	13.83	0.19	45.15	0.01	0.35	99.79
320	PRCH-59 OI 2 1	40.19	13.68	0.17	45.28	0.07	0.34	99.73
321	PRCH-59 OI 2 2	40.21	13.76	0.20	45.17	0.34	0.34	100.02
322	PRCH-59 OI 3 1	40.16	13.79	0.19	44.91	0.27	0.33	99.65
323	PRCH-59 OI 3 2	40.26	13.97	0.19	45.37	0.05	0.36	100.20
324	PRCH-60 OI 1 1	40.28	14.28	0.17	44.73	0.03	0.31	99.81
325	PRCH-60 OI 1 2	40.33	14.51	0.17	44.84	0.03	0.32	100.19
326	PRCH-60 OI 2 1	40.47	14.56	0.19	44.83	0.04	0.34	100.42
327	PRCH-60 OI 2 2	40.24	14.39	0.18	44.81	0.02	0.33	99.99
328	PRCH-60 OI 3 1	40.47	14.50	0.16	43.78	0.56	0.32	99.80
329	PRCH-60 OI 3 2	40.13	14.60	0.15	44.70	0.04	0.33	99.96
330	PRCH-61 OI 1 1	39.35	16.79	0.22	42.79	0.01	0.36	99.53
331	PRCH-61 OI 1 2	39.50	16.77	0.24	42.77	0.02	0.34	99.64
332	PRCH-61 OI 2 1	39.48	17.04	0.25	42.89	0.02	0.36	100.04
333	PRCH-61 OI 2 2	39.26	17.20	0.23	42.88	0.02	0.35	99.95
334	PRCH-61 OI 3 1	39.26	16.67	0.22	42.75	0.01	0.36	99.26
335	PRCH-61 OI 3 2	39.48	17.03	0.22	42.86	0.02	0.33	99.95
336	PRCH-62 OI 1 1	39.18	13.98	0.16	45.33	0.09	0.28	99.03
337	PRCH-62 OI 1 2	39.21	13.73	0.17	45.72	0.08	0.28	99.19
338	PRCH-62 OI 2 1	39.18	13.99	0.17	45.80	0.03	0.29	99.46
339	PRCH-62 OI 2 2	38.99	13.88	0.17	45.99	0.02	0.27	99.32
340	PRCH-62 OI 3 1	39.48	14.13	0.16	45.14	0.24	0.29	99.45
341	PRCH-62 OI 3 2	39.57	14.28	0.17	45.30	0.05	0.29	99.65
342	PRCH-63 OI 1 1	39.59	13.81	0.17	46.33	0.02	0.30	100.22
343	PRCH-63 OI 1 2	39.69	13.62	0.19	45.96	0.02	0.31	99.79
344	PRCH-63 OI 2 1	39.40	13.74	0.16	45.79	0.03	0.32	99.43
345	PRCH-63 OI 2 2	39.15	13.84	0.16	45.49	0.34	0.33	99.30
346	PRCH-63 OI 3 1	39.91	13.56	0.17	46.25	0.02	0.30	100.20
347	PRCH-63 OI 3 2	39.92	13.58	0.18	46.27	0.03	0.32	100.29
348	PRCH-64 OI 1 1	40.10	13.11	0.18	46.43	0.04	0.35	100.21
349	PRCH-64 OI 1 2	40.17	13.16	0.15	45.98	0.04	0.34	99.83
350	PRCH-64 OI 2 1	39.85	12.98	0.16	45.88	0.02	0.39	99.28

351	PRCH-64 OI 2 2	39.98	12.76	0.18	45.98	0.03	0.25	99.17
352	PRCH-64 OI 3 1	40.14	12.79	0.15	46.92	0.02	0.36	100.38
353	PRCH-64 OI 3 2	40.18	12.78	0.16	46.70	0.04	0.37	100.24

#	Si	Fe	Mn	Mg	Ca	Ni	Σ	Fo	Fa	Tep
1	1.02	0.49	0.005	1.46	0.000	0.005	1.96	74.2	25.2	0.2
2	1.02	0.50	0.005	1.46	0.001	0.006	1.96	74.2	25.3	0.2
3	1.02	0.53	0.006	1.42	0.000	0.005	1.97	72.2	27.2	0.3
4	1.02	0.53	0.005	1.42	0.000	0.005	1.96	72.4	27.1	0.3
5	1.02	0.50	0.005	1.45	0.000	0.006	1.96	73.9	25.6	0.3
6	1.02	0.50	0.005	1.45	0.000	0.006	1.96	73.9	25.6	0.2
7	1.02	0.35	0.005	1.59	0.016	0.006	1.96	81.0	17.6	0.2
8	1.01	0.35	0.004	1.61	0.000	0.006	1.97	81.6	17.9	0.2
9	1.01	0.35	0.005	1.61	0.000	0.006	1.97	81.8	17.6	0.2
10	1.02	0.35	0.005	1.61	0.002	0.006	1.97	81.6	17.7	0.2
11	1.01	0.34	0.004	1.62	0.000	0.006	1.97	82.3	17.1	0.2
12	1.01	0.35	0.005	1.61	0.000	0.007	1.97	81.7	17.7	0.3
13	1.00	0.42	0.005	1.57	0.001	0.006	2.00	78.6	20.8	0.2
14	1.00	0.41	0.005	1.57	0.001	0.006	2.00	78.8	20.6	0.2
15	1.00	0.42	0.004	1.56	0.000	0.007	2.00	78.3	21.1	0.2
16	1.00	0.42	0.005	1.56	0.000	0.007	2.00	78.3	21.1	0.2
17	1.00	0.42	0.005	1.57	0.000	0.007	2.00	78.6	20.8	0.2
18	1.00	0.41	0.005	1.57	0.000	0.007	2.00	78.7	20.7	0.2
19	0.99	0.27	0.003	1.72	0.002	0.008	2.01	85.7	13.7	0.2
20	0.99	0.27	0.003	1.73	0.002	0.008	2.02	85.9	13.4	0.2
21	0.99	0.27	0.003	1.73	0.005	0.008	2.02	85.8	13.4	0.2
22	1.00	0.27	0.004	1.73	0.001	0.007	2.01	86.0	13.4	0.2
23	0.99	0.27	0.004	1.74	0.001	0.008	2.02	85.9	13.5	0.2
24	0.99	0.27	0.003	1.73	0.002	0.008	2.01	85.9	13.5	0.2
25	1.01	0.36	0.005	1.62	0.001	0.005	1.98	81.6	17.9	0.2
26	1.01	0.36	0.005	1.62	0.000	0.006	1.99	81.5	17.9	0.2
27	1.01	0.36	0.004	1.61	0.000	0.006	1.98	81.4	18.1	0.2
28	1.00	0.36	0.004	1.63	0.000	0.006	1.99	81.6	17.8	0.2
29	1.01	0.35	0.005	1.62	0.001	0.006	1.99	81.6	17.9	0.2
30	1.01	0.36	0.005	1.61	0.004	0.006	1.98	81.2	18.1	0.2
31	1.01	0.38	0.005	1.60	0.000	0.006	1.99	80.2	19.2	0.2
32	1.00	0.39	0.005	1.60	0.000	0.006	1.99	80.0	19.5	0.2
33	1.00	0.38	0.005	1.60	0.000	0.006	1.99	80.3	19.2	0.2
34	1.00	0.39	0.004	1.61	0.000	0.006	2.00	80.2	19.3	0.2
35	1.01	0.39	0.005	1.58	0.000	0.005	1.98	79.9	19.6	0.3
36	1.01	0.39	0.005	1.59	0.000	0.006	1.99	79.9	19.6	0.2
37	1.00	0.50	0.005	1.49	0.000	0.006	2.00	74.3	25.1	0.3
38	1.01	0.48	0.005	1.49	0.001	0.006	1.98	75.3	24.1	0.3
39	1.01	0.48	0.005	1.49	0.000	0.006	1.99	75.0	24.4	0.2
40	1.00	0.48	0.005	1.50	0.003	0.006	1.99	75.4	23.9	0.3
41	1.00	0.48	0.006	1.50	0.001	0.006	2.00	75.3	24.0	0.3
42	1.00	0.26	0.003	1.73	0.000	0.007	2.00	86.4	13.1	0.1
43	1.00	0.26	0.003	1.72	0.000	0.007	1.99	86.4	13.1	0.1

44	1.00	0.27	0.003	1.72	0.000	0.007	2.00	86.0	13.4	0.1
45	1.00	0.27	0.003	1.73	0.000	0.007	2.01	86.2	13.3	0.2
46	1.01	0.26	0.004	1.71	0.000	0.008	1.99	86.1	13.3	0.2
47	1.00	0.27	0.004	1.72	0.000	0.007	2.00	86.0	13.4	0.2
48	0.99	0.47	0.006	1.53	0.000	0.006	2.02	76.0	23.4	0.3
49	0.99	0.47	0.006	1.53	0.000	0.006	2.01	76.1	23.3	0.3
50	1.00	0.47	0.007	1.52	0.000	0.006	2.01	75.8	23.5	0.3
51	1.00	0.47	0.006	1.53	0.000	0.006	2.01	76.1	23.3	0.3
52	0.99	0.47	0.005	1.53	0.000	0.006	2.01	75.9	23.5	0.3
53	1.00	0.47	0.006	1.53	0.001	0.007	2.01	76.1	23.2	0.3
54	0.99	0.27	0.003	1.73	0.001	0.007	2.01	85.8	13.6	0.2
55	1.00	0.27	0.003	1.72	0.001	0.007	2.01	85.9	13.5	0.2
56	1.00	0.27	0.003	1.72	0.000	0.007	2.00	85.8	13.7	0.2
57	0.99	0.27	0.004	1.73	0.001	0.007	2.02	86.0	13.4	0.2
58	0.99	0.28	0.003	1.72	0.002	0.007	2.01	85.7	13.7	0.2
59	1.00	0.27	0.003	1.72	0.001	0.007	2.01	85.8	13.7	0.1
60	1.01	0.34	0.005	1.63	0.001	0.006	1.99	82.1	17.3	0.2
61	1.01	0.34	0.005	1.62	0.000	0.006	1.97	82.0	17.5	0.2
62	1.01	0.34	0.005	1.63	0.001	0.007	1.99	82.1	17.2	0.3
63	1.01	0.35	0.004	1.63	0.001	0.005	1.99	82.1	17.4	0.2
64	1.01	0.34	0.005	1.63	0.006	0.006	1.99	81.9	17.3	0.2
65	1.00	0.35	0.005	1.63	0.000	0.006	1.99	81.9	17.5	0.3
66	1.00	0.25	0.004	1.73	0.001	0.007	2.00	86.7	12.7	0.2
67	1.01	0.25	0.004	1.72	0.001	0.007	1.98	86.6	12.8	0.2
68	1.00	0.25	0.004	1.73	0.001	0.007	2.00	86.7	12.7	0.2
69	1.00	0.25	0.004	1.73	0.000	0.007	1.99	86.7	12.7	0.2
70	1.01	0.25	0.004	1.72	0.001	0.007	1.98	86.9	12.5	0.2
71	1.01	0.25	0.004	1.72	0.001	0.007	1.98	86.8	12.6	0.2
72	1.01	0.29	0.004	1.68	0.000	0.007	1.98	84.7	14.7	0.2
73	1.01	0.29	0.004	1.67	0.000	0.007	1.97	84.5	14.9	0.2
74	1.01	0.28	0.003	1.69	0.000	0.007	1.98	85.2	14.2	0.2
75	1.01	0.28	0.004	1.68	0.007	0.007	1.98	84.8	14.3	0.2
76	1.01	0.28	0.004	1.68	0.001	0.007	1.97	85.2	14.3	0.2
77	1.01	0.28	0.004	1.69	0.001	0.007	1.99	85.1	14.3	0.2
78	1.01	0.35	0.004	1.63	0.000	0.007	1.99	81.8	17.7	0.2
79	1.01	0.35	0.005	1.62	0.001	0.007	1.98	81.8	17.6	0.2
80	1.01	0.35	0.004	1.63	0.000	0.008	1.99	81.9	17.5	0.2
81	1.01	0.35	0.004	1.61	0.000	0.006	1.98	81.7	17.7	0.2
82	1.01	0.34	0.004	1.63	0.001	0.007	1.98	82.2	17.2	0.2
83	1.00	0.37	0.004	1.61	0.013	0.007	2.01	80.5	18.3	0.2
84	1.00	0.28	0.004	1.71	0.000	0.007	2.00	85.6	13.9	0.2
85	1.00	0.28	0.004	1.71	0.000	0.007	2.00	85.4	14.0	0.2
86	1.00	0.29	0.003	1.70	0.000	0.007	2.00	85.1	14.4	0.2
87	1.00	0.29	0.004	1.68	0.011	0.007	1.99	84.4	14.5	0.2
88	1.00	0.28	0.004	1.72	0.001	0.008	2.01	85.4	14.0	0.2
89	1.00	0.28	0.004	1.71	0.001	0.007	2.00	85.4	14.0	0.2
90	1.00	0.29	0.003	1.68	0.014	0.006	1.99	84.3	14.6	0.2
91	1.00	0.28	0.003	1.71	0.003	0.006	2.01	85.3	14.1	0.2
92	0.99	0.29	0.004	1.72	0.003	0.006	2.02	85.0	14.3	0.2
93	0.99	0.28	0.004	1.72	0.001	0.006	2.02	85.4	14.0	0.2
94	1.00	0.29	0.003	1.71	0.000	0.006	2.01	85.3	14.2	0.2

95	0.99	0.28	0.004	1.72	0.001	0.006	2.02	85.4	14.1	0.2
96	1.00	0.29	0.004	1.71	0.002	0.006	2.01	85.1	14.3	0.2
97	1.00	0.29	0.003	1.71	0.001	0.006	2.01	85.1	14.3	0.2
98	1.00	0.28	0.003	1.71	0.000	0.006	2.00	85.3	14.2	0.2
99	1.00	0.28	0.004	1.71	0.000	0.006	2.00	85.5	14.0	0.2
100	1.00	0.29	0.003	1.70	0.002	0.006	2.00	85.1	14.3	0.2
101	1.00	0.28	0.004	1.71	0.001	0.006	2.00	85.3	14.2	0.2
102	1.01	0.37	0.005	1.60	0.000	0.006	1.99	80.8	18.7	0.2
103	1.01	0.37	0.004	1.60	0.002	0.006	1.98	80.6	18.8	0.2
104	1.01	0.37	0.004	1.60	0.002	0.006	1.98	80.7	18.6	0.2
105	1.01	0.37	0.005	1.61	0.002	0.005	1.99	80.8	18.6	0.2
106	1.00	0.38	0.006	1.61	0.000	0.006	2.00	80.5	18.9	0.3
107	1.01	0.37	0.004	1.60	0.000	0.005	1.98	80.7	18.8	0.2
108	1.01	0.54	0.005	1.43	0.001	0.006	1.98	72.1	27.3	0.3
109	1.01	0.54	0.006	1.43	0.000	0.006	1.98	72.2	27.2	0.3
110	1.01	0.53	0.006	1.43	0.000	0.006	1.97	72.6	26.8	0.3
111	1.01	0.53	0.006	1.43	0.001	0.006	1.98	72.4	27.0	0.3
112	1.01	0.53	0.006	1.43	0.002	0.006	1.98	72.3	27.0	0.3
113	1.01	0.53	0.006	1.44	0.001	0.006	1.99	72.7	26.7	0.3
114	1.01	0.52	0.006	1.45	0.000	0.006	1.99	73.0	26.4	0.3
115	1.01	0.53	0.006	1.45	0.001	0.006	1.99	72.9	26.5	0.3
116	1.01	0.55	0.006	1.43	0.001	0.006	1.99	71.9	27.5	0.3
117	1.01	0.54	0.006	1.43	0.000	0.006	1.99	72.1	27.3	0.3
118	1.00	0.54	0.006	1.44	0.000	0.005	2.00	72.2	27.2	0.3
119	1.00	0.54	0.006	1.44	0.000	0.006	1.99	72.3	27.1	0.3
120	1.00	0.35	0.004	1.63	0.001	0.007	1.99	81.7	17.7	0.2
121	1.01	0.35	0.004	1.62	0.001	0.008	1.98	81.7	17.6	0.2
122	1.01	0.36	0.004	1.62	0.001	0.007	1.99	81.3	18.1	0.2
123	1.01	0.36	0.005	1.61	0.000	0.007	1.99	81.3	18.1	0.2
124	1.01	0.36	0.005	1.61	0.000	0.007	1.99	81.2	18.1	0.2
125	1.01	0.36	0.005	1.61	0.004	0.007	1.98	81.1	18.1	0.2
126	1.02	0.29	0.004	1.66	0.001	0.007	1.97	84.6	14.9	0.2
127	1.01	0.29	0.004	1.67	0.002	0.007	1.98	84.5	14.9	0.2
128	1.01	0.30	0.004	1.67	0.000	0.007	1.98	84.5	14.9	0.2
129	1.02	0.31	0.004	1.63	0.005	0.007	1.95	83.4	15.7	0.2
130	1.01	0.29	0.004	1.66	0.004	0.006	1.97	84.4	14.9	0.2
131	1.01	0.29	0.004	1.67	0.000	0.006	1.97	84.5	14.9	0.2
132	1.02	0.41	0.005	1.55	0.000	0.005	1.97	78.9	20.6	0.2
133	1.02	0.41	0.006	1.54	0.000	0.006	1.96	78.5	20.9	0.3
134	1.02	0.40	0.005	1.55	0.000	0.005	1.96	78.9	20.6	0.3
135	1.02	0.41	0.005	1.55	0.000	0.005	1.97	78.8	20.7	0.3
136	1.02	0.41	0.005	1.55	0.000	0.005	1.96	78.8	20.7	0.3
137	1.01	0.41	0.005	1.55	0.007	0.005	1.97	78.5	20.6	0.3
138	1.01	0.48	0.005	1.49	0.001	0.006	1.98	75.2	24.2	0.3
139	1.00	0.49	0.005	1.50	0.001	0.006	2.00	74.7	24.7	0.3
140	1.00	0.49	0.006	1.50	0.001	0.006	2.00	74.9	24.4	0.3
141	1.01	0.52	0.005	1.45	0.002	0.005	1.99	73.1	26.3	0.2
142	1.01	0.53	0.005	1.44	0.000	0.006	1.98	72.8	26.6	0.3
143	1.01	0.54	0.005	1.44	0.001	0.007	1.99	72.4	27.0	0.3
144	1.00	0.70	0.006	1.28	0.000	0.007	1.99	64.1	35.2	0.3
145	1.00	0.70	0.007	1.28	0.000	0.006	1.99	64.1	35.2	0.4

146	1.01	0.72	0.007	1.26	0.000	0.005	1.98	63.3	36.1	0.4
147	1.01	0.72	0.008	1.25	0.000	0.006	1.98	62.9	36.4	0.4
148	1.01	0.72	0.007	1.24	0.001	0.007	1.98	62.7	36.5	0.4
149	1.01	0.72	0.007	1.25	0.000	0.007	1.98	62.8	36.5	0.4
150	1.01	0.48	0.005	1.49	0.000	0.006	1.97	75.3	24.1	0.2
151	1.01	0.48	0.005	1.49	0.000	0.005	1.98	75.2	24.3	0.2
152	1.02	0.46	0.005	1.48	0.000	0.005	1.95	75.7	23.8	0.3
153	1.01	0.47	0.005	1.50	0.000	0.005	1.98	75.6	23.8	0.3
154	1.01	0.47	0.005	1.49	0.000	0.006	1.97	75.8	23.7	0.2
155	1.02	0.46	0.005	1.49	0.000	0.005	1.96	75.9	23.5	0.3
156	1.02	0.45	0.005	1.51	0.001	0.005	1.97	76.6	22.9	0.2
157	1.01	0.45	0.005	1.52	0.000	0.005	1.98	76.7	22.8	0.3
158	1.02	0.45	0.005	1.51	0.002	0.005	1.96	76.7	22.7	0.3
159	1.02	0.45	0.005	1.50	0.001	0.005	1.96	76.6	22.8	0.3
160	1.02	0.46	0.005	1.50	0.001	0.005	1.97	76.2	23.2	0.3
161	1.01	0.46	0.005	1.50	0.001	0.005	1.97	76.1	23.4	0.2
162	1.00	0.56	0.006	1.43	0.001	0.006	2.00	71.5	27.8	0.3
163	1.00	0.56	0.006	1.43	0.000	0.006	2.00	71.6	27.8	0.3
164	1.00	0.56	0.006	1.42	0.001	0.006	1.99	71.2	28.2	0.3
165	1.00	0.56	0.006	1.43	0.000	0.006	2.00	71.5	27.9	0.3
166	1.00	0.57	0.006	1.42	0.000	0.006	2.01	70.9	28.4	0.3
167	1.00	0.57	0.006	1.41	0.000	0.006	2.00	70.8	28.6	0.3
168	0.99	0.47	0.005	1.53	0.000	0.006	2.01	75.9	23.5	0.2
169	0.99	0.47	0.005	1.53	0.001	0.006	2.01	76.1	23.4	0.2
170	1.00	0.46	0.005	1.52	0.001	0.007	1.99	76.2	23.2	0.2
171	1.01	0.46	0.005	1.51	0.000	0.007	1.99	76.0	23.4	0.2
172	1.00	0.46	0.005	1.52	0.000	0.006	2.00	76.1	23.3	0.3
173	1.00	0.47	0.005	1.52	0.000	0.007	2.00	76.1	23.3	0.2
174	1.00	0.37	0.005	1.61	0.001	0.007	1.99	80.6	18.7	0.2
175	1.00	0.37	0.005	1.62	0.002	0.007	2.01	80.7	18.6	0.2
176	1.01	0.37	0.005	1.60	0.002	0.006	1.99	80.5	18.8	0.2
177	1.00	0.37	0.005	1.61	0.000	0.006	1.99	80.7	18.7	0.3
178	1.01	0.37	0.005	1.60	0.000	0.007	1.98	80.6	18.9	0.2
179	1.00	0.38	0.004	1.61	0.001	0.006	1.99	80.6	18.9	0.2
180	0.99	0.36	0.005	1.65	0.001	0.006	2.02	81.8	17.6	0.2
181	1.01	0.36	0.004	1.61	0.001	0.006	1.98	81.2	18.3	0.2
182	1.01	0.36	0.004	1.61	0.002	0.006	1.98	81.2	18.1	0.2
183	1.01	0.37	0.005	1.60	0.000	0.006	1.98	80.9	18.5	0.2
184	1.01	0.36	0.005	1.61	0.001	0.006	1.99	81.0	18.3	0.3
185	1.00	0.35	0.004	1.64	0.000	0.006	2.00	82.0	17.5	0.2
186	1.00	0.35	0.004	1.64	0.000	0.006	2.00	81.7	17.7	0.2
187	1.00	0.35	0.005	1.64	0.000	0.005	2.00	81.9	17.6	0.2
188	0.99	0.35	0.004	1.65	0.000	0.006	2.01	81.9	17.6	0.2
189	1.01	0.36	0.005	1.61	0.004	0.005	1.98	81.2	18.1	0.3
190	1.00	0.36	0.004	1.63	0.000	0.006	2.00	81.6	17.9	0.2
191	1.01	0.36	0.004	1.61	0.001	0.005	1.98	81.3	18.2	0.2
192	1.01	0.37	0.005	1.61	0.001	0.005	1.99	81.1	18.4	0.2
193	1.01	0.37	0.004	1.61	0.000	0.005	1.99	80.8	18.7	0.2
194	1.01	0.37	0.004	1.59	0.000	0.005	1.97	80.6	18.9	0.2
195	1.00	0.37	0.005	1.61	0.000	0.005	1.99	80.9	18.6	0.2
196	1.01	0.37	0.004	1.61	0.000	0.005	1.99	80.8	18.7	0.2

197	1.01	0.32	0.003	1.66	0.001	0.007	1.99	83.5	16.0	0.1
198	1.01	0.30	0.004	1.67	0.002	0.007	1.98	84.2	15.1	0.2
199	1.01	0.30	0.004	1.66	0.002	0.007	1.98	84.1	15.3	0.2
200	1.01	0.31	0.004	1.66	0.003	0.006	1.99	83.7	15.7	0.2
201	1.00	0.31	0.004	1.67	0.001	0.006	2.00	83.7	15.8	0.2
202	1.00	0.32	0.004	1.66	0.002	0.007	1.99	83.5	15.8	0.2
203	1.00	0.29	0.004	1.69	0.000	0.007	2.00	84.8	14.7	0.2
204	1.00	0.30	0.004	1.69	0.000	0.007	2.00	84.6	14.9	0.2
205	1.00	0.30	0.004	1.69	0.001	0.006	1.99	84.6	14.8	0.2
206	1.00	0.29	0.004	1.69	0.001	0.007	1.99	84.6	14.8	0.2
207	1.00	0.30	0.004	1.68	0.002	0.007	1.99	84.3	15.0	0.2
208	1.00	0.30	0.004	1.69	0.000	0.007	2.00	84.6	14.9	0.2
209	1.00	0.44	0.006	1.55	0.001	0.005	2.00	77.6	21.8	0.3
210	1.01	0.45	0.005	1.51	0.016	0.005	1.99	76.0	22.7	0.3
211	1.00	0.43	0.005	1.56	0.001	0.005	2.00	77.7	21.7	0.3
212	1.00	0.43	0.005	1.55	0.001	0.006	2.00	77.7	21.8	0.3
213	1.00	0.45	0.006	1.54	0.000	0.006	2.00	76.9	22.5	0.3
214	1.00	0.45	0.006	1.54	0.001	0.006	2.00	77.0	22.4	0.3
215	1.02	0.42	0.005	1.53	0.000	0.006	1.96	78.2	21.2	0.3
216	1.02	0.42	0.005	1.54	0.000	0.006	1.97	78.1	21.3	0.3
217	1.02	0.41	0.005	1.54	0.001	0.006	1.97	78.5	20.9	0.3
218	1.02	0.41	0.005	1.54	0.002	0.006	1.96	78.5	20.8	0.2
219	1.02	0.41	0.005	1.54	0.001	0.006	1.96	78.5	20.9	0.3
220	1.02	0.41	0.006	1.54	0.001	0.006	1.96	78.4	21.0	0.3
221	1.01	0.42	0.005	1.55	0.001	0.005	1.98	78.2	21.2	0.3
222	1.01	0.42	0.005	1.55	0.001	0.005	1.98	78.5	21.0	0.3
223	1.01	0.41	0.005	1.56	0.001	0.005	1.98	78.7	20.8	0.2
224	1.01	0.41	0.005	1.56	0.001	0.006	1.98	78.5	20.9	0.2
225	1.01	0.41	0.005	1.55	0.000	0.005	1.97	78.7	20.7	0.2
226	1.01	0.41	0.005	1.56	0.000	0.005	1.98	78.7	20.8	0.2
227	1.01	0.41	0.005	1.56	0.001	0.005	1.98	78.7	20.7	0.3
228	1.00	0.41	0.005	1.57	0.000	0.005	2.00	78.8	20.7	0.3
229	1.00	0.42	0.005	1.57	0.000	0.006	1.99	78.6	20.8	0.3
230	1.00	0.42	0.005	1.56	0.001	0.005	1.99	78.4	21.0	0.3
231	1.01	0.41	0.005	1.57	0.003	0.005	1.99	78.9	20.4	0.3
232	1.01	0.41	0.005	1.57	0.001	0.005	1.99	79.0	20.5	0.2
233	1.02	0.44	0.005	1.50	0.011	0.006	1.96	76.6	22.2	0.3
234	1.01	0.43	0.005	1.53	0.001	0.005	1.98	77.5	21.9	0.3
235	1.01	0.43	0.005	1.54	0.001	0.006	1.98	77.8	21.6	0.3
236	1.01	0.43	0.005	1.53	0.004	0.006	1.98	77.5	21.7	0.3
237	1.02	0.43	0.005	1.53	0.001	0.006	1.97	77.7	21.8	0.2
238	1.01	0.43	0.006	1.54	0.001	0.005	1.98	77.7	21.7	0.3
239	1.00	0.42	0.005	1.56	0.000	0.006	1.99	78.4	21.1	0.3
240	1.00	0.43	0.006	1.55	0.001	0.006	1.99	77.9	21.5	0.3
241	1.00	0.42	0.005	1.56	0.000	0.005	1.99	78.3	21.2	0.2
242	1.01	0.41	0.005	1.56	0.001	0.006	1.99	78.6	20.8	0.2
243	1.01	0.41	0.005	1.56	0.000	0.006	1.99	78.6	20.8	0.3
244	1.00	0.45	0.005	1.53	0.001	0.006	1.99	76.9	22.6	0.3
245	1.01	0.45	0.005	1.52	0.001	0.006	1.99	76.7	22.7	0.2
246	1.00	0.45	0.005	1.53	0.001	0.006	1.99	76.7	22.7	0.2
247	1.00	0.46	0.005	1.53	0.001	0.006	2.00	76.5	22.9	0.2

248	1.00	0.44	0.005	1.54	0.000	0.006	1.99	77.4	22.1	0.2
249	1.01	0.44	0.004	1.54	0.000	0.006	1.99	77.3	22.1	0.2
250	0.99	0.33	0.004	1.67	0.002	0.007	2.01	83.0	16.4	0.2
251	1.00	0.32	0.004	1.67	0.000	0.007	2.00	83.5	16.0	0.2
252	1.00	0.31	0.004	1.68	0.000	0.007	2.00	84.0	15.5	0.2
253	1.00	0.33	0.004	1.66	0.000	0.007	2.00	83.1	16.3	0.2
254	0.99	0.32	0.004	1.68	0.001	0.007	2.02	83.3	16.1	0.2
255	1.00	0.33	0.004	1.65	0.001	0.005	2.00	82.8	16.7	0.2
256	1.01	0.33	0.004	1.65	0.000	0.006	1.99	82.7	16.7	0.2
257	1.00	0.34	0.004	1.65	0.000	0.005	1.99	82.7	16.8	0.2
258	1.00	0.34	0.005	1.65	0.001	0.005	2.00	82.7	16.8	0.2
259	1.00	0.34	0.004	1.65	0.000	0.005	2.00	82.5	17.0	0.2
260	1.00	0.34	0.004	1.64	0.000	0.005	1.99	82.4	17.1	0.2
261	1.01	0.30	0.004	1.67	0.001	0.006	1.97	84.5	15.0	0.2
262	1.01	0.30	0.004	1.68	0.001	0.005	1.98	84.6	14.9	0.2
263	1.01	0.30	0.004	1.67	0.000	0.005	1.97	84.5	15.0	0.2
264	1.01	0.30	0.004	1.68	0.000	0.006	1.98	84.4	15.1	0.2
265	1.00	0.27	0.004	1.71	0.000	0.006	1.99	86.0	13.5	0.2
266	1.02	0.27	0.003	1.69	0.001	0.007	1.96	85.9	13.5	0.2
267	1.00	0.27	0.003	1.72	0.004	0.007	2.00	86.0	13.3	0.2
268	1.00	0.27	0.004	1.72	0.003	0.007	2.00	86.0	13.4	0.2
269	1.00	0.27	0.003	1.71	0.003	0.006	1.99	85.8	13.6	0.2
270	1.00	0.27	0.003	1.71	0.002	0.007	2.00	85.7	13.7	0.2
271	1.00	0.28	0.004	1.72	0.001	0.007	2.01	85.6	13.8	0.2
272	1.00	0.28	0.003	1.71	0.001	0.007	2.00	85.4	14.0	0.2
273	1.00	0.28	0.004	1.71	0.001	0.007	2.00	85.3	14.1	0.2
274	1.00	0.28	0.003	1.70	0.006	0.007	2.00	85.0	14.2	0.2
275	1.00	0.28	0.003	1.71	0.002	0.007	2.00	85.4	14.0	0.2
276	1.00	0.28	0.003	1.71	0.004	0.006	2.00	85.5	13.8	0.2
277	1.02	0.26	0.003	1.69	0.004	0.007	1.96	86.1	13.2	0.2
278	1.01	0.26	0.003	1.72	0.001	0.007	1.99	86.5	12.9	0.2
279	1.01	0.26	0.004	1.71	0.001	0.007	1.98	86.2	13.2	0.2
280	1.02	0.26	0.003	1.69	0.002	0.007	1.96	86.1	13.2	0.2
281	1.00	0.26	0.003	1.72	0.001	0.007	1.99	86.4	13.1	0.2
282	1.02	0.26	0.003	1.70	0.001	0.007	1.96	86.4	13.0	0.1
283	1.01	0.26	0.004	1.71	0.001	0.007	1.98	86.2	13.3	0.2
284	1.00	0.27	0.004	1.71	0.001	0.006	1.99	86.1	13.3	0.2
285	1.01	0.26	0.004	1.71	0.001	0.007	1.99	86.3	13.1	0.2
286	1.01	0.26	0.004	1.71	0.001	0.007	1.99	86.3	13.2	0.2
287	1.01	0.26	0.004	1.71	0.001	0.007	1.99	86.3	13.2	0.2
288	1.01	0.26	0.004	1.71	0.001	0.007	1.99	86.3	13.2	0.2
289	1.01	0.30	0.004	1.68	0.001	0.006	1.99	84.5	14.9	0.2
290	1.01	0.30	0.004	1.68	0.001	0.006	1.99	84.4	15.0	0.2
291	1.01	0.30	0.004	1.68	0.000	0.006	1.99	84.4	15.1	0.2
292	1.01	0.30	0.004	1.67	0.001	0.006	1.98	84.3	15.1	0.2
293	1.01	0.30	0.004	1.67	0.001	0.007	1.98	84.2	15.2	0.2
294	1.01	0.30	0.004	1.66	0.000	0.007	1.97	84.1	15.4	0.2
295	1.01	0.30	0.004	1.66	0.001	0.007	1.97	84.0	15.4	0.2
296	1.01	0.30	0.004	1.66	0.001	0.007	1.98	84.1	15.3	0.2
297	1.01	0.31	0.004	1.66	0.002	0.007	1.98	83.9	15.5	0.2
298	1.01	0.30	0.004	1.66	0.001	0.006	1.97	84.0	15.4	0.2

299	1.01	0.30	0.004	1.66	0.000	0.006	1.97	84.1	15.4	0.2
300	1.01	0.35	0.004	1.62	0.001	0.006	1.99	81.7	17.7	0.2
301	1.01	0.35	0.004	1.62	0.001	0.006	1.98	81.7	17.7	0.2
302	1.01	0.36	0.005	1.62	0.000	0.005	1.99	81.4	18.0	0.2
303	1.01	0.35	0.005	1.62	0.000	0.006	1.99	81.7	17.7	0.2
304	1.01	0.35	0.005	1.62	0.003	0.006	1.98	81.8	17.5	0.2
305	1.01	0.35	0.004	1.62	0.002	0.006	1.98	81.9	17.5	0.2
306	1.00	0.41	0.005	1.58	0.001	0.007	2.00	79.1	20.3	0.2
307	1.00	0.40	0.005	1.57	0.000	0.007	1.99	79.1	20.3	0.2
308	1.00	0.41	0.005	1.57	0.001	0.007	1.99	78.9	20.4	0.3
309	1.00	0.40	0.005	1.58	0.000	0.007	2.00	79.2	20.2	0.3
310	1.01	0.40	0.005	1.57	0.001	0.007	1.98	79.1	20.3	0.2
311	1.00	0.40	0.005	1.58	0.001	0.007	1.99	79.2	20.2	0.3
312	1.01	0.31	0.004	1.66	0.001	0.006	1.98	84.0	15.5	0.2
313	1.01	0.31	0.004	1.67	0.001	0.006	1.98	84.0	15.5	0.2
314	1.01	0.30	0.004	1.67	0.002	0.007	1.99	84.0	15.3	0.2
315	1.01	0.30	0.004	1.66	0.001	0.007	1.98	84.0	15.4	0.2
316	1.01	0.30	0.004	1.66	0.001	0.006	1.98	84.1	15.4	0.2
317	1.01	0.30	0.004	1.67	0.001	0.006	1.98	84.1	15.4	0.2
318	1.00	0.29	0.004	1.69	0.001	0.007	1.99	84.9	14.5	0.2
319	1.01	0.29	0.004	1.68	0.000	0.007	1.99	84.8	14.6	0.2
320	1.01	0.29	0.004	1.69	0.002	0.007	1.99	85.0	14.4	0.2
321	1.00	0.29	0.004	1.68	0.009	0.007	1.99	84.5	14.4	0.2
322	1.01	0.29	0.004	1.68	0.007	0.007	1.99	84.5	14.6	0.2
323	1.00	0.29	0.004	1.69	0.001	0.007	1.99	84.7	14.6	0.2
324	1.01	0.30	0.004	1.67	0.001	0.006	1.98	84.4	15.1	0.2
325	1.01	0.30	0.004	1.67	0.001	0.006	1.98	84.2	15.3	0.2
326	1.01	0.30	0.004	1.67	0.001	0.007	1.98	84.1	15.3	0.2
327	1.01	0.30	0.004	1.67	0.001	0.007	1.99	84.3	15.2	0.2
328	1.02	0.30	0.003	1.64	0.015	0.007	1.97	83.3	15.5	0.2
329	1.01	0.31	0.003	1.67	0.001	0.007	1.99	84.1	15.4	0.2
330	1.00	0.36	0.005	1.62	0.000	0.007	2.00	81.4	17.9	0.2
331	1.00	0.36	0.005	1.62	0.001	0.007	1.99	81.5	17.9	0.3
332	1.00	0.36	0.005	1.62	0.001	0.007	2.00	81.2	18.1	0.3
333	1.00	0.37	0.005	1.63	0.001	0.007	2.00	81.1	18.3	0.2
334	1.00	0.36	0.005	1.63	0.000	0.007	2.00	81.5	17.8	0.2
335	1.00	0.36	0.005	1.62	0.001	0.007	2.00	81.3	18.1	0.2
336	0.99	0.30	0.003	1.71	0.003	0.006	2.02	84.8	14.7	0.2
337	0.99	0.29	0.004	1.72	0.002	0.006	2.02	85.1	14.3	0.2
338	0.99	0.29	0.004	1.72	0.001	0.006	2.03	84.9	14.6	0.2
339	0.98	0.29	0.004	1.73	0.001	0.006	2.03	85.1	14.4	0.2
340	0.99	0.30	0.003	1.70	0.007	0.006	2.01	84.4	14.8	0.2
341	1.00	0.30	0.004	1.70	0.001	0.006	2.01	84.5	14.9	0.2
342	0.99	0.29	0.004	1.72	0.001	0.006	2.02	85.2	14.3	0.2
343	0.99	0.29	0.004	1.72	0.001	0.006	2.01	85.3	14.2	0.2
344	0.99	0.29	0.003	1.72	0.001	0.006	2.02	85.1	14.3	0.2
345	0.99	0.29	0.003	1.71	0.009	0.007	2.02	84.6	14.4	0.2
346	0.99	0.28	0.003	1.72	0.001	0.006	2.01	85.4	14.0	0.2
347	0.99	0.28	0.004	1.72	0.001	0.006	2.01	85.4	14.1	0.2
348	1.00	0.27	0.004	1.72	0.001	0.007	2.01	85.8	13.6	0.2
349	1.00	0.27	0.003	1.71	0.001	0.007	2.00	85.7	13.8	0.2

350	1.00	0.27	0.003	1.72	0.001	0.008	2.00	85.8	13.6	0.2
351	1.00	0.27	0.004	1.72	0.001	0.005	2.00	86.1	13.4	0.2
352	0.99	0.27	0.003	1.73	0.001	0.007	2.01	86.3	13.2	0.2
353	1.00	0.27	0.003	1.73	0.001	0.007	2.01	86.2	13.2	0.2

Results of WDS EMP analyses are expressed in weight %; they are recalculated on the basis of four atoms of oxygen per formula unit (O = 4 *apfu*). The compositions are recast in terms of the end members forsterite (Fo), fayalite (Fa) and tephroite (Tep), in mol.%.