

Sr.No.	size in um	Sample No.	Type	FeO	Na2O	MgO	Al2O3	SiO2	P2O5	SO2	K2O	CaO	TiO2	V2O3	Cr2O3	MnO	Fe2O3	CoO	NiO	Total	
1	205	SSD 48 DSS 03 P 13	Barred	20.8	0.0	29.2	4.0	42.2	0.1	0.0	0.0	0.9	0.0	0.0	0.4	0.1	23.1	0.1	0.5	100.7	
2	276	SSD 48 DSS 03 P7	Barred	29.0	0.0	25.5	3.6	36.2	0.0	0.0	0.0	1.3	0.0	0.0	0.3	0.2	32.3	0.1	1.0	100.7	
3	230	SSD 48 DSS 03 P9	Barred	29.4	0.1	25.0	2.8	38.4	0.1	0.0	0.0	0.7	0.0	0.0	0.4	0.3	32.7	0.1	1.0	101.6	
4	270	SSD 48 DSS 03 P18	Barred	47.7	0.2	18.0	2.0	26.9	0.2	0.0	0.0	1.5	0.0	0.0	0.3	0.1	53.1	0.1	0.5	103.0	
5	160	SSD 48 DSS 03 P24	Barred	35.6	0.1	23.5	1.5	34.0	0.1	0.1	0.0	0.4	0.0	0.0	0.5	0.3	39.5	0.0	0.1	100.1	
6	194	SSD 48 DSS 03 P29	Barred	29.5	0.0	17.2	2.9	40.0	0.2	0.0	0.0	6.0	0.0	0.0	0.3	0.5	32.8	0.1	0.4	100.3	
7	350	SSD 48 DSS 03 P34	Barred	25.0	0.1	25.2	3.1	41.8	0.0	0.0	0.0	2.5	0.0	0.0	0.1	0.2	27.8	0.0	0.0	100.7	
8	200	SSD 48 DSS 03 P37	Barred	34.1	0.0	24.3	1.9	34.0	0.1	0.0	0.0	1.2	0.0	0.0	0.5	0.2	37.8	0.1	1.6	101.7	
9	280	SSD 48 DSS 03 P42	Barred	30.1	0.1	26.1	9.7	29.1	0.0	0.0	0.0	0.7	0.0	0.0	0.2	0.2	33.4	0.1	0.5	100.4	
10	250	SSD 48 DSS 03 P59	Barred	24.6	0.0	33.3	0.3	39.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	27.4	0.0	0.1	100.6	
11	280	SSD 48 DSS 03 P61	Barred	26.6	0.0	26.4	2.6	40.8	0.0	0.0	0.0	1.1	0.0	0.0	0.6	0.2	29.6	0.0	0.0	101.4	
12	217	SSD 48 DSS 03 P65	Barred	31.3	0.1	24.7	2.5	36.5	0.2	0.0	0.0	0.9	0.0	0.0	0.4	0.2	34.8	0.1	0.6	100.9	
13	260	SSD 48 DSS 03 P70	Barred	26.6	0.0	28.7	2.1	36.8	0.1	0.0	0.0	0.8	0.0	0.0	0.4	0.2	29.5	0.1	1.2	99.9	
14	260	SSD 48 DSS 03 P71	Barred	21.9	0.0	33.7	0.7	37.6	0.0	0.0	0.1	0.6	0.0	0.0	0.2	0.2	24.4	0.1	0.7	98.3	
15	350	SSD 48 DSS 03 P74	Barred	22.7	0.1	31.1	2.2	40.2	0.0	0.0	0.0	0.5	0.0	0.0	0.3	0.3	25.2	0.0	0.3	100.3	
16	320	SSD 48 DSS 03 P76	Barred	26.9	0.1	27.7	3.1	38.2	0.0	0.0	0.0	1.5	0.0	0.0	0.2	0.3	29.8	0.0	0.1	100.9	
17	218	SSD 48 DSS 03 P78	Barred	26.9	0.1	33.7	0.7	35.4	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.2	29.9	0.0	0.0	100.3	
18	214	SSD 48 DSS 03 P85	Barred	21.8	0.0	29.3	2.3	44.4	0.0	0.0	0.0	1.2	0.0	0.0	0.3	0.4	24.3	0.0	0.0	102.3	
19	210	SSD 48 DSS 03 P87	Barred	35.6	0.1	19.2	3.1	36.2	0.1	0.0	0.0	1.4	0.0	0.0	0.3	0.3	39.5	0.1	0.9	101.2	
20	235	SSD 48 DSS 02 P 03	Barred	25.3	0.0	28.7	2.8	37.5	0.1	0.0	0.0	1.9	0.2	0.0	0.3	0.3	28.1	0.1	0.9	100.8	
21	300	SSD 48 DSS 02 P 12	Barred	30.7	0.0	24.3	3.1	37.9	0.0	0.0	0.0	1.2	0.1	0.0	0.1	0.2	34.2	0.1	0.1	101.4	
22	234	SSD 48 DSS 02 P 19	Barred	21.0	0.0	32.7	2.3	39.6	0.1	0.0	0.0	1.6	0.1	0.0	0.3	0.3	23.3	0.0	0.0	100.3	
23	210	SSD 48 DSS 02 P 39	Barred	30.7	0.0	21.6	3.1	36.0	0.1	0.0	0.0	3.5	0.1	0.0	0.3	0.3	34.1	0.1	1.8	101.2	
24	237	SSD 48 DSS 02 P 41	Barred	33.4	0.0	21.2	2.9	34.1	0.2	0.0	0.0	4.0	0.1	0.0	0.4	0.3	37.1	0.1	1.0	101.4	
25	245	SSD 48 DSS 02 P 44	Barred	34.2	0.0	27.6	2.9	29.6	0.0	0.0	0.0	0.2	0.1	0.0	0.8	0.3	38.0	0.1	0.8	100.3	
26	354	SSD 48 DSS 02 P 51	Barred	30.1	0.0	25.0	2.9	37.2	0.0	0.0	0.0	2.7	0.1	0.0	0.2	0.3	33.4	0.0	0.2	102.1	
27	213	SSD 48 DSS 02 P 65	Barred	36.7	0.0	22.1	1.4	28.5	0.0	0.0	0.0	0.3	0.1	0.0	0.9	0.1	40.8	0.1	3.6	97.9	
28	282	SSD 48 DSS 02 P 85	Barred	34.4	0.0	27.1	1.4	30.1	0.0	0.0	0.0	0.2	0.1	0.0	0.6	0.2	38.2	0.1	1.4	99.5	
29	218	SSD 48 DSS 02 P 90	Barred	33.0	0.0	27.6	0.9	29.9	0.1	0.0	0.0	0.2	0.1	0.0	0.6	0.2	36.6	0.1	1.5	97.8	
30	435	SSD 48 DSS 02 P 91	Barred	23.8	0.1	19.1	26.7	24.0	0.0	0.1	0.0	0.1	0.1	0.0	0.3	0.1	26.5	0.1	1.1	98.3	
31	218	SSD 48 DSS 02 P 106	Barred	26.8	0.0	30.2	2.4	36.6	0.0	0.0	0.0	1.5	0.1	0.0	0.1	0.2	29.8	0.1	0.2	101.2	
32	216	SSD 48 DSS 02 P 110	Barred	27.1	0.0	32.1	0.7	31.7	0.1	0.0	0.0	0.1	0.1	0.0	0.7	0.2	30.1	0.1	0.0	95.9	
33	188	SSD 48 DSS 02 P 112	Barred	22.1	0.0	31.2	3.7	37.9	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.2	24.6	0.0	0.0	99.1	
34	270	SSD 48 DSS 02 P 113	Barred	26.8	0.0	31.3	3.3	33.1	0.0	0.0	0.0	1.3	0.1	0.0	0.1	0.1	29.8	0.1	0.2	99.5	
35	218	SSD 48 DSS 02 P 115	Barred	22.4	0.0	38.1	0.5	34.7	0.0	0.0	0.0	0.1	0.1	0.0	1.3	0.3	24.8	0.0	0.2	100.2	
36	328	SSD 48 DSS 02 P 117	Barred	47.7	0.0	13.8	8.5	25.2	0.1	0.0	0.0	0.8	0.1	0.0	0.2	0.1	53.1	0.0	0.1	102.1	
37	336	SSD 48 DSS 02 P 118	Barred	35.0	0.0	26.0	2.1	31.0	0.1	0.0	0.1	0.3	0.1	0.0	0.5	0.3	38.9	0.1	0.5	100.0	
38	338	SSD 48 DSS 02 P 119	Barred	37.3	0.0	26.5	1.0	27.1	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.2	41.4	0.0	0.0	96.7	
39	202	SSD 48 DSS 02 P 120	Barred	40.1	0.0	22.1	1.8	23.4	0.1	0.0	0.0	0.3	0.1	0.1	0.7	0.2	44.6	0.1	0.7	94.2	
40	160	SSD 48 DSS 02 P 127	Barred	28.9	0.1	28.5	1.6	27.5	0.1	0.0	0.0	0.2	0.1	0.0	0.4	0.2	32.1	0.1	1.3	92.2	
41	190	SSD 48 DSS 02 P 130	Barred	31.4	0.0	25.8	2.9	28.0	0.0	0.1	0.0	0.2	0.1	0.0	0.6	0.2	34.9	0.1	0.4	93.3	
42	188	SSD 48 DSS 02 P 132	Barred	27.3	0.0	27.5	3.2	25.0	0.0	0.0	0.0	0.2	0.1	0.0	0.4	0.2	30.3	0.1	0.8	87.7	
43	180	SSD 48 DSS 02 P 165	Barred	40.9	0.0	22.8	2.3	27.5	0.1	0.0	0.0	0.2	0.2	0.0	0.4	0.2	45.5	0.1	1.5	100.7	
44	276	SSD 48 DSS 02 P 174	Barred	26.7	0.0	27.8	2.9	36.7	0.1	0.0	0.0	2.7	0.1	0.0	0.3	0.3	29.7	0.1	0.7	101.4	
45	206	SSD 48 DSS 02 P 175	Barred	25.2	1.6	21.5	3.4	43.2	0.1	0.0	0.1	1.4	0.1	0.0	0.2	0.5	28.0	0.0	0.2	100.3	
46	320	SSD 48 DSS 02 P 178	Barred	20.6	0.0	33.7	1.6	40.8	0.1	0.0	0.0	1.4	0.1	0.0	0.7	0.1	22.9	0.1	0.1	101.0	
47	300	SSD 48 DSS 02 P 182	Barred	36.3	0.1	26.9	1.8	29.3	0.0	0.0	0.0	0.1	0.1	0.0	0.4	0.1	40.4	0.1	0.8	100.2	
48	192	SSD 48 DSS 02 P 188	Barred	34.9	0.1	27.0	2.0	30.7	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.4	38.8	0.0	0.0	99.3	
49	218	SSD 48 DSS 02 P 191	Barred	31.7	0.0	27.0	1.4	33.1	0.1	0.0	0.0	0.3	0.1	0.0	0.4	0.2	35.2	0.1	0.8	98.7	
50	236	SSD 48 DSS 02 P 196	Barred	31.0	0.0	29.4	0.8	33.0	0.1	0.0	0.0	0.2	0.1	0.0	0.5	0.2	34.5	0.1	0.1	99.0	
51	250	SSD 48 DSS 02 P 197	Barred	27.1	0.1	32.0	1.7	34.7	0.1	0.0	0.1	0.6	0.1	0.0	0.3	0.2	30.1	0.1	0.6	100.5	
52	224	SSD 48 DSS 02 P 198	Barred	33.7	0.0	29.7	1.1	29.3	0.0	0.0	0.0	0.1	0.1	0.0	0.7	0.2	37.4	0.1	1.8	100.5	
53	375	SSD 48 DSS 02 P 199	Barred	41.7	0.0	27.4	1.8	23.6	0.1	0.0	0.0	0.2	0.1	0.0	0.6	0.2	46.3	0.1	0.5	100.9	
54	216	SSD 48 DSS 02 P 202	Barred	28.0	0.0	32.3	0.4	34.2	0.1	0.0	0.0	0.2	0.0	0.0	0.4	0.2	31.1	0.1	0.9	100.0	
55	240	SSD 48 DSS 02 P 204	Barred	40.9	0.1	30.1	2.7	21.1	0.0	0.0	0.1	0.2	0.4	0.0	0.1	0.1	45.4	0.1	0.0	100.6	
56	216	SSD 48 DSS 02 P 211	Barred	28.8	0.0	30.5	2.0	32.3	0.1	0.0	0.0	0.2	0.1	0.0	0.5	0.2	32.0	0.1	1.9	99.8	
57	298	SSD 48 DSS 02 P 212	Barred	40.9	0.1	25.1	2.3	24.0	0.0	0.0	0.1	0.3	0.1	0.0	0.6	0.2	45.5	0.1	1.2	99.5	
58	312	SSD 48 DSS 02 P 213	Barred	25.1	0.1	31.0	4.6	31.7	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.2	27.9	0.1	1.4	97.7	
59	320	SSD 48 DSS 02 P 214	Barred	30.4	0.1	28.8	5.4	31.0	0.0	0.0	0.2	0.4	0.1	0.0	0.3	0.2	33.8	0.1	0.4	100.9	
60	314	SSD 48 DSS 02 P 215	Barred	36.3	0.0	26.7	1.6	26.6	0.0	0.0	0.0	0.1	0.1	0.0	0.7	1.0	0.2	40.4	0.1	1.8	98.7
61	172	SSD 48 DSS 02 P 216	Barred	25.6	0.0	26.2	3.8	39.0	0.0	0.0	0.0	2.7	0.2	0.0	0.2	0.3	28.4	0.1	0.7	101.6	
62	220	SSD 48 DSS 02 P 226	Barred	21.3	0.0	39.5	0.1	37.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	23.6	0.0	0.0	101.1	
63	202	SSD 48 DSS 02 P 234	Barred	28.8	0.0	26.9	2.8	36.7	0.1	0.0	0.0	2.3	0.1	0.0	0.1	0.3	32.0	0.0	0.0	101.4	
64	216	SSD 48 DSS 02 P 240	Barred	33.7	0.0	28.7	1.5	32.3	0.0	0.0	0.0	0.7	0.1	0.0	0.1	0.2	37.5	0.0	0.0	101.2	
65	190	SSD 48 DSS 03 P23	Barred	33.1	0.0	27.7	1.7	31.8	0.1	0.0	0.0	0.3	0.0	0.0</							

100	400	SSD 48 DSS 02 P 55	Barred	20.8	0.0	34.6	0.8	37.9	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.2	23.1	0.1	1.3	98.6
101	360	SSD 48 DSS 02 P 57	Barred	23.2	0.0	36.6	0.4	35.1	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.2	25.7	0.1	1.8	100.6
102	200	SSD 48 DSS 02 P 59	Barred	30.1	0.2	29.9	1.6	32.1	0.0	0.0	0.1	0.4	0.1	0.0	0.3	0.3	33.5	0.1	0.2	98.6
103	164	SSD 48 DSS 02 P 64	Barred	25.6	0.0	33.9	0.8	32.1	0.1	0.0	0.0	0.1	0.1	0.0	0.4	0.2	28.5	0.1	1.5	97.8
104	202	SSD 48 DSS 02 P 66	Barred	35.6	0.1	24.8	2.0	29.3	0.1	0.0	0.0	0.3	0.2	0.0	0.9	0.3	39.6	0.2	0.5	98.3
105	206	SSD 48 DSS 02 P 68	Barred	37.1	0.0	26.5	1.9	28.1	0.1	0.0	0.0	0.2	0.1	0.0	1.2	0.2	41.3	0.1	0.2	99.9
106	236	SSD 48 DSS 02 P 69	Barred	33.8	0.0	28.6	1.7	31.4	0.1	0.0	0.0	0.3	0.1	0.0	1.4	0.2	37.6	0.1	0.6	102.2
107	188	SSD 48 DSS 02 P 70	Barred	23.3	0.1	33.0	1.5	36.2	0.1	0.1	0.0	0.2	0.0	0.0	0.4	0.2	25.9	0.1	1.5	99.1
108	344	SSD 48 DSS 02 P 72	Barred	25.5	0.1	35.4	1.8	33.2	0.4	0.0	0.1	0.3	0.1	0.0	0.3	0.1	28.3	0.0	0.8	100.9
109	190	SSD 48 DSS 02 P 73	Barred	25.5	0.0	33.5	0.3	35.7	0.1	0.0	0.0	0.2	0.0	0.0	0.6	0.2	28.3	0.1	0.2	99.2
110	234	SSD 48 DSS 02 P 76	Barred	18.8	0.0	39.0	2.3	35.7	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.4	20.9	0.1	1.2	100.2
111	216	SSD 48 DSS 02 P 77	Barred	28.6	0.0	36.8	1.6	28.0	0.0	0.0	0.0	0.3	0.1	0.0	0.4	0.3	31.8	0.2	1.7	101.1
112	180	SSD 48 DSS 02 P 79	Barred	27.0	0.0	32.7	0.7	33.5	0.2	0.0	0.0	0.3	0.0	0.0	0.6	0.3	30.0	0.1	2.0	100.3
113	354	SSD 48 DSS 02 P 93	Barred	24.7	0.0	32.5	1.4	31.2	0.0	0.0	0.0	0.2	0.1	0.0	0.3	0.2	27.4	0.0	1.1	94.6
114	228	SSD 48 DSS 02 P 95	Barred	32.6	0.0	28.2	1.5	28.6	0.1	0.0	0.0	0.2	0.1	0.0	0.8	0.2	36.2	0.1	1.7	97.7
115	234	SSD 48 DSS 02 P 99	Barred	30.3	0.0	29.3	2.2	29.7	0.0	0.0	0.0	0.1	0.1	0.0	0.4	0.2	33.7	0.1	1.0	96.8
116	250	SSD 48 DSS 02 P 100	Barred	26.8	0.0	25.9	2.2	32.6	0.0	0.0	0.0	0.7	0.1	0.0	0.3	0.2	29.8	0.3	8.1	100.2
117	400	SSD 48 DSS 02 P 101	Barred	21.2	0.0	36.3	0.7	38.1	0.0	0.0	0.0	0.7	0.0	0.0	0.1	0.4	23.5	0.1	0.8	100.7
118	360	SSD 48 DSS 02 P 102	Barred	28.5	0.0	31.6	2.3	31.8	0.1	0.0	0.0	0.2	0.0	0.0	0.5	0.2	31.7	0.1	1.3	100.0
119	210	SSD 48 DSS 02 P 103	Barred	34.7	0.1	22.9	1.7	26.7	0.1	0.0	0.0	0.5	0.1	0.1	0.7	0.3	38.5	0.1	0.5	92.1
120	270	SSD 48 DSS 02 P 105	Barred	32.5	0.0	24.0	2.2	27.8	0.0	0.0	0.0	0.3	0.1	0.0	0.5	0.3	36.1	0.1	0.3	91.7
121	250	SSD 48 DSS 02 P 108	Barred	25.5	0.0	36.4	1.9	29.7	0.1	0.0	0.0	0.2	0.1	0.0	0.8	0.1	28.4	0.1	1.9	99.8
122	208	SSD 48 DSS 02 P 137	Barred	30.5	0.0	33.9	1.2	28.8	0.1	0.0	0.0	0.2	0.1	0.0	0.6	0.3	33.9	0.1	1.1	100.2
123	244	SSD 48 DSS 02 P 162	Barred	49.6	0.0	18.4	4.2	22.1	0.1	0.0	0.0	1.0	0.2	0.0	0.8	0.2	55.1	0.1	0.1	102.2
124	200	SSD 48 DSS 02 P 169	Barred	33.1	0.0	28.5	1.7	30.9	0.1	0.0	0.0	0.3	0.1	0.0	0.4	0.2	36.8	0.1	1.5	100.6
125	216	SSD 48 DSS 02 P 183	Barred	36.8	0.0	22.2	3.1	31.0	0.1	0.0	0.0	2.8	0.1	0.0	0.3	0.3	41.0	0.1	0.3	101.4
126	202	SSD 48 DSS 02 P 186	Barred	25.8	0.0	36.6	0.7	32.2	0.1	0.0	0.0	0.2	0.0	0.0	0.6	0.2	28.6	0.1	1.7	101.0
127	196	SSD 48 DSS 02 P 187	Barred	30.5	0.1	32.0	2.3	24.5	0.1	0.1	0.0	0.1	0.1	0.1	1.5	0.3	34.0	0.2	1.9	97.1
128	324	SSD 48 DSS 02 P 190	Barred	22.0	0.0	34.8	2.6	36.0	0.0	0.0	0.0	1.2	0.1	0.0	0.1	0.2	24.5	0.0	0.0	99.6
129	176	SSD 48 DSS 02 P 200	Barred	22.7	0.0	38.4	0.6	35.1	0.1	0.0	0.0	0.2	0.0	0.0	0.4	0.1	25.2	0.1	1.5	101.8
130	204	SSD 48 DSS 02 P 217	Barred	15.0	0.0	45.4	0.8	36.6	0.1	0.0	0.0	0.5	0.1	0.0	0.1	0.0	16.7	0.1	0.1	100.5
131	140	SSD 48 DSS 02 P 225	Barred	33.8	0.1	23.7	5.0	26.6	0.1	0.0	0.1	0.4	0.1	0.0	0.4	0.2	37.5	0.1	1.3	95.6
132	216	SSD 48 DSS 02 P 230	Barred	28.3	0.0	28.4	2.6	35.3	0.1	0.0	0.0	1.4	0.1	0.0	0.6	0.3	31.5	0.1	0.6	101.0
133	236	SSD 48 DSS 02 P 231	Barred	36.2	0.1	24.0	1.5	25.1	0.1	0.0	0.0	0.2	0.1	0.0	0.4	0.2	40.2	0.1	1.3	93.3
134	200	SSD 48 DSS 02 P 235	Barred	38.6	0.1	25.7	3.6	25.2	0.1	0.0	0.0	0.6	0.1	0.0	0.4	0.2	42.9	0.1	0.6	99.4
135	208	SSD 48 DSS 02 P 239	Barred	24.3	0.0	37.0	0.5	33.5	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.2	27.0	0.1	0.2	99.1
136	260	SSD 48 DSS 02 P 180	Barred	33.0	0.0	30.0	1.2	29.5	0.1	0.0	0.0	0.3	0.1	0.0	0.5	0.2	36.7	0.1	1.7	100.4
137	296	SSD 48 DSS 02 P 87	Barred	44.5	0.1	8.8	2.1	32.0	0.1	0.1	0.1	0.8	0.2	0.0	0.2	0.5	49.5	0.0	0.7	94.9
138	206	SSD 48 DSS 03 P46	Barred	33.5	0.4	25.3	2.8	30.6	0.1	0.0	0.1	0.8	0.0	0.0	0.5	0.2	37.3	0.1	1.3	99.6
139	222	SSD 48 DSS 03 P49	Barred	25.6	0.0	31.6	1.6	35.8	0.0	0.0	0.0	0.2	0.0	0.0	0.4	0.2	28.4	0.1	1.9	100.3
140	260	SSD 48 DSS 02 P 37	Barred	18.2	0.0	38.0	0.4	38.1	0.1	0.0	0.0	0.1	0.0	0.0	0.5	0.2	20.3	0.1	2.3	100.1
141	200	SSD 48 DSS 03 P10	Porphyritic	26.0	0.0	32.0	0.3	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	28.9	0.0	0.0	101.5
142	216	SSD 48 DSS 03 P20	Porphyritic	60.7	0.1	1.8	5.9	10.3	0.9	0.0	0.1	0.6	0.0	0.1	0.9	0.1	67.5	0.0	0.1	88.4
143	222	SSD 48 DSS 03 P21	Porphyritic	40.7	0.4	16.7	6.2	30.1	0.1	0.0	0.1	0.4	0.0	0.0	0.9	0.3	45.2	0.1	0.8	101.4
144	204	SSD 48 DSS 03 P22	Porphyritic	27.1	0.0	32.2	1.5	35.3	0.0	0.1	0.0	0.2	0.0	0.0	0.5	0.2	30.2	0.1	0.1	100.4
145	188	SSD 48 DSS 03 P41	Porphyritic	17.5	0.0	40.5	2.2	36.4	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.2	19.4	0.1	1.9	101.3
146	194	SSD 48 DSS 03 P43	Porphyritic	19.3	0.0	38.6	1.6	37.9	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.1	21.4	0.1	1.3	101.4
147	284	SSD 48 DSS 03 P56	Porphyritic	16.5	0.0	38.8	0.5	41.8	0.1	0.0	0.0	0.1	0.0	0.0	0.4	0.2	18.3	0.0	0.1	100.2
148	260	SSD 48 DSS 03 P62	Porphyritic	8.1	0.2	43.6	1.2	41.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.1	9.0	0.0	1.4	97.1
149	242	SSD 48 DSS 03 P67	Porphyritic	17.2	0.1	23.6	3.7	49.7	0.1	0.0	0.0	2.6	0.0	0.0	0.6	0.4	19.1	0.0	0.0	100.0
150	220	SSD 48 DSS 03 P82	Porphyritic	12.4	0.3	42.1	0.4	42.9	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.3	13.8	0.0	0.2	100.4
151	260	SSD 48 DSS 02 p1	Porphyritic	34.7	0.0	21.7	3.4	33.3	0.0	0.0	0.0	2.7	0.1	0.0	0.3	0.3	38.5	0.1	0.2	100.8
152	234	SSD 48 DSS 02 P 14	Porphyritic	23.2	0.0	35.2	0.5	37.9	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.3	25.8	0.0	0.0	100.5
153	234	SSD 48 DSS 02 P 35	Porphyritic	32.2	0.0	28.2	0.4	35.4	0.1	0.0	0.0	0.3	0.0	0.0	0.4	0.3	35.8	0.1	0.1	101.0
154	200	SSD 48 DSS 02 P 36	Porphyritic	22.0	0.0	37.0	0.4	37.4	0.1	0.0	0.0	0.4	0.0	0.0	0.3	0.2	24.5	0.1	0.2	100.5
155	254	SSD 48 DSS 02 P 49	Porphyritic	32.0	0.0	28.3	1.4	33.5	0.0	0.0	0.0	0.3	0.1	0.0	0.6	0.3	35.5	0.1	1.7	101.8
156	312	SSD 48 DSS 02 P 34	Porphyritic	36.4	0.1	26.8	0.5	32.3	0.1	0.0	0.1	0.4	0.0	0.0	0.2	0.3	40.4	0.1	1.3	102.6
157	194	SSD 48 DSS 02 P 58	Porphyritic	25.0	0.0	34.9	0.7	35.4	0.0	0.1	0.0	0.6	0.1	0.0	0.5	0.3	27.8	0.0	0.1	100.5
158	208	SSD 48 DSS 02 P 67	Porphyritic	28.3	0.0	28.6	3.0	34.6	0.1	0.0	0.0	2.1	0.1	0.0	0.6	0.2	31.4	0.1	0.1	101.0
159	254	SSD 48 DSS 02 P 74	Porphyritic	51.8	0.4	9.5	5.4	21.1	0.0	0.0	0.2	0.3	0.5	0.1	2.3	0.3	57.5	0.1	0.6	98.3
160	204	SSD 48 DSS 02 P 75	Porphyritic	20.8	0.0	37.9	1.1	37.0	0.1	0.0	0.0	0.2	0.0	0.0	0.3	0.2	23.1	0.1	0.8	100.7
161	234	SSD 48 DSS 02 P 78	Porphyritic	27.5	0.0	31.1	3.0	35.9	0.1	0.0	0.0	0.3	0.0	0.0	0.4	0.2	30.5	0.1	0.1	101.6
162	182	SSD 48 DSS 02 P 83	Porphyritic	44.1	0.1	14.7	3.1	27.4	0.1	0.0	0.1	0.2	0.1	0.1	0.7	0.3	49.0	0.2	2.7	99.0
163	228	SSD 48 DSS 02 P 84	Porphyritic	59.9	0.1	3.4	9.4	15.1	0.1	0.0	0.1	0.4	1.1	0.1	0.2	0.2	66.6	0.1	0.3	97.2
164	220	SSD 48 DSS 02 P 86	Porphyritic	48.3	0.0	19.1	0.2	27.5	0.0	0.1	0.0	0.1	0.0	0.0	0.7	0.8	53.6	0.1	0.1	102.3
165	202	SSD 48 DSS 02 P 88	Porphyritic	25.0	0.0															

200	450	SSD 48 DSS 02 P 209	Glass	20.3	0.0	33.8	1.9	40.8	0.0	0.0	0.0	1.4	0.1	0.0	0.2	0.1	22.6	0.0	0.0	101.1
201	178	SSD 48 DSS 02 P 224	Glass	16.1	0.0	36.8	3.2	41.2	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.3	17.9	0.0	0.1	100.5
202	236	SSD 48 DSS 02 P 229	Glass	34.9	0.2	18.5	1.1	39.9	0.0	0.0	0.0	0.8	0.1	0.0	0.4	0.3	38.8	0.0	0.1	100.4
203	234.5	SSD 48 DSS 02 P 237	Glass	16.6	0.0	37.9	2.1	39.3	0.2	0.0	0.0	1.8	0.1	0.0	0.1	0.4	18.5	0.0	0.0	100.3
204	173	SSD 48 DSS 03 P30	RGB	20.6	0.0	36.6	0.6	38.2	0.1	0.0	0.0	0.4	0.0	0.0	0.4	0.2	22.9	0.1	0.8	100.2
205	214	SSD 48 DSS 03 P31	RGB	25.2	0.1	33.4	0.1	39.7	0.1	0.0	0.0	0.2	0.0	0.0	0.2	0.3	28.0	0.0	0.9	102.9
206	168	SSD 48 DSS 03 P47	RGB	23.2	0.1	38.1	3.2	33.3	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	25.8	0.0	0.2	101.4
207	208	SSD 48 DSS 02 P 33	RGB	16.9	0.0	41.3	0.3	38.0	0.1	0.0	0.0	0.2	0.0	0.0	0.3	0.1	18.8	0.1	1.2	100.5
208	218	SSD 48 DSS 02 P 63	RGB	1.3	0.0	57.3	0.1	41.6	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.1	1.5	0.0	0.0	101.3
209	312	SSD 48 DSS 02 P 71	RGB	33.9	0.0	26.9	1.2	32.2	0.1	0.0	0.0	0.2	0.1	0.0	0.6	0.3	37.7	0.1	0.3	99.6
210	170	SSD 48 DSS 02 P 80	RGB	5.1	0.0	51.6	0.3	41.5	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.2	5.6	0.0	0.2	100.2
211	168	SSD 48 DSS 02 P 96	RGB	23.6	0.0	35.9	2.1	34.4	0.1	0.0	0.0	0.4	0.1	0.0	0.6	0.3	26.3	0.0	0.1	100.3
212	264	SSD 48 DSS 02 P 107	RGB	26.6	0.0	33.2	1.2	33.9	0.1	0.1	0.0	0.2	0.1	0.0	0.6	0.3	29.6	0.1	0.2	99.6
213	140	SSD 48 DSS 02 P 114	RGB	14.5	0.0	45.3	0.1	36.2	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.5	16.1	0.0	0.1	98.8
214	178	SSD 48 DSS 02 P 163	RGB	13.9	0.0	43.8	0.2	37.8	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.2	15.5	0.1	1.2	99.3
215	288	SSD 48 DSS 02 P 192	RGB	7.2	0.0	49.7	1.0	40.2	0.0	0.0	0.0	0.5	0.1	0.0	0.3	0.1	8.0	0.0	0.2	100.0
216	250	SSD 48 DSS 02 P 1	RGB	4.7	0.0	51.8	0.2	41.3	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.2	5.3	0.0	0.1	99.7
217	216	SSD 48 DSS 03 P3	cryptocrystalline	29.1	0.0	21.8	2.9	39.2	0.2	0.0	0.0	2.2	0.0	0.0	0.3	0.4	32.4	0.1	0.7	100.2
218	196	SSD 48 DSS 03 P58	cryptocrystalline	21.3	0.0	27.0	2.3	44.7	0.0	0.0	0.0	2.2	0.0	0.0	0.1	0.4	23.6	0.0	0.0	100.4
219	278	SSD 48 DSS 03 P75	cryptocrystalline	19.4	0.1	27.3	2.8	46.8	0.0	0.0	0.0	1.3	0.0	0.0	0.1	0.3	21.6	0.0	0.1	100.5
220	226	SSD 48 DSS 03 P77	cryptocrystalline	27.7	0.0	24.5	1.4	43.1	0.0	0.0	0.0	0.7	0.0	0.0	0.1	0.6	30.8	0.0	0.0	101.2
221	228	SSD 48 DSS 03 P83	cryptocrystalline	19.5	0.2	27.7	2.5	46.9	0.0	0.0	0.0	2.3	0.0	0.0	0.1	0.3	21.6	0.0	0.2	102.0
222	160	SSD 48 DSS 02 P 21	cryptocrystalline	24.2	0.0	29.6	1.1	41.3	0.0	0.0	0.0	0.8	0.1	0.0	0.1	0.7	26.9	0.1	0.0	100.7
223	218	SSD 48 DSS 02 P 23	cryptocrystalline	45.0	0.2	16.5	3.1	25.1	0.1	0.0	0.2	0.3	0.2	0.0	0.5	0.1	50.0	0.1	0.9	97.5
224	164	SSD 48 DSS 02 P 24	cryptocrystalline	17.7	0.0	30.4	1.7	44.4	0.0	0.0	0.0	1.9	0.2	0.0	0.1	0.1	19.7	0.0	1.4	100.0
225	234	SSD 48 DSS 02 P 92	cryptocrystalline	28.7	0.0	24.9	3.8	36.7	0.0	0.0	0.0	3.4	0.1	0.0	0.1	0.2	31.8	0.0	0.1	101.2
226	204	SSD 48 DSS 02 P 122	cryptocrystalline	32.4	0.0	28.2	1.9	33.1	0.1	0.0	0.0	1.2	0.1	0.0	0.3	0.1	36.0	0.0	0.0	101.2
227	250	SSD 48 DSS 02 P 136	cryptocrystalline	23.5	0.0	28.2	2.4	38.8	0.0	0.0	0.0	2.1	0.1	0.0	0.5	0.4	26.1	0.1	0.6	99.3
242	342	SSD 48 DSS 02 P 156	cryptocrystalline	16.2	0.0	38.8	1.5	41.6	0.0	0.0	0.0	1.1	0.1	0.0	0.2	0.2	18.0	0.0	0.0	101.5
229	252	SSD 48 DSS 02 P 184	cryptocrystalline	22.1	0.0	37.5	0.6	35.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.4	24.5	0.1	0.0	98.8
230	182	SSD 48 DSS 02 P 206	cryptocrystalline	19.6	0.0	23.3	3.7	48.6	0.0	0.0	0.0	1.8	0.1	0.0	0.1	0.2	21.8	0.1	0.5	100.3
231	192	SSD 48 DSS 02 P 228	cryptocrystalline	31.0	0.0	25.8	3.2	36.1	0.1	0.0	0.0	0.5	0.1	0.0	0.4	0.3	34.4	0.1	0.2	101.2
232	242	SSD 48 DSS 02 P 238	cryptocrystalline	31.7	0.0	25.0	2.1	36.5	0.1	0.1	0.0	1.8	0.1	0.0	0.5	0.4	35.2	0.0	0.0	101.9
233	260	SSD 48 DSS 02 P 10	G Type	71.0	0.0	6.2	1.4	14.4	0.0	0.0	0.0	0.5	0.2	0.0	3.0	0.1	78.9	0.1	0.1	104.9
234	306	SSD 48 DSS 02 P 166	G Type	55.4	0.0	12.0	1.2	25.4	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.1	61.6	0.1	0.1	101.1
235	242	SSD 48 DSS 03 P17	Scoriaeous	27.1	0.1	25.1	1.9	40.8	0.1	0.2	0.0	0.6	0.0	0.0	0.7	0.4	30.1	0.1	0.1	100.1
236	184	SSD 48 DSS 02 P 82	Scoriaeous	30.4	0.1	29.9	1.7	32.8	0.1	1.1	0.0	0.4	0.1	0.0	0.5	0.5	33.8	0.1	0.3	101.4
237	250	SSD 48 DSS 03 P66	Scoriaeous	31.7	0.0	20.8	2.8	35.2	0.1	0.1	0.0	0.3	0.0	0.0	0.4	0.2	35.2	0.1	0.1	95.4
238	190	SSD 48 DSS 03 P14	I Type	86.7	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	96.4	0.5	5.3	102.6
239	202	SSD 48 DSS 03 P26	I Type	90.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	100.7	0.1	0.0	101.1
240	198	SSD 48 DSS 03 P28	I Type	89.2	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	99.1	0.0	0.0	100.9
241	178	SSD 48 DSS 03 P51	I Type	80.4	0.1	2.7	1.0	5.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	89.4	0.3	1.2	100.2
242	208	SSD 48 DSS 03 P54	I Type	86.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	95.9	0.3	4.6	101.3
243	236	SSD 48 DSS 03 P84	I Type	86.9	0.0	0.1	0.5	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.8	0.0	96.6	0.3	2.4	100.9
244	210	SSD 48 DSS 02 P 04	I Type	69.2	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.9	1.3	23.2	101.8
245	234	SSD 48 DSS 02 P 08	I Type	89.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	99.0	0.1	0.0	100.4
246	212	SSD 48 DSS 02 P 53	I Type	90.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	100.2	0.0	0.0	100.9
247	180	SSD 48 DSS 02 P 60	I Type	83.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.5	0.9	10.5	103.9
248	208	SSD 48 DSS 02 P 62	I Type	42.5	0.0	0.1	0.1	2.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	47.2	2.0	62.3	114.4
249	216	SSD 48 DSS 02 P 89	I Type	88.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	97.8	0.4	2.6	101.1
250	192	SSD 48 DSS 02 P 111	I Type	89.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	99.2	0.3	3.0	103.1
251	333	SSD 48 DSS 02 P 116	I Type	80.4	0.0	0.1	0.2	0.6	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.3	89.4	0.6	11.3	102.9
252	260	SSD 48 DSS 02 P 124	I Type	86.2	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	95.8	0.5	4.9	101.9
253	234	SSD 48 DSS 02 P 135	I Type	86.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.6	0.7	7.9	105.5
254	175	SSD 48 DSS 02 P 176	I Type	85.5	0.0	0.1	0.4	0.7	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	95.0	0.4	5.3	102.3
255	370	SSD 48 DSS 02 P 177	I Type	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.3	0.4	100.8
256	170	SSD 48 DSS 02 P 185	I Type	88.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.9	0.4	3.6	102.2
257	210	SSD 48 DSS 02 P 205	I Type	89.3	0.0	0.2	1.0	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.8	99.3	0.1	0.0	102.3
258	140	SSD 48 DSS 02 P 208	I Type	83.4	0.0	1.2	0.6	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	92.6	0.5	6.8	103.0
259	225	SSD 48 DSS 02 P 227	I Type	83.1	0.0	0.1	2.4	0.6	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.9	92.3	0.1	0.0	96.8
260	196	SSD 48 DSS 02 P 232	I Type	88.2	0.0	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	98.0	0.1	0.0	99.2
261	188	SSD 48 DSS 02 P 233	I Type	88.6	0.0	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.8	0.0	0.2	0.1	98.4	0.1	0.2	100.4
262	200	SSD 48 DSS 02 P 236	I Type	87.7	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	97.5	0.3	3.4	101.7
263	150	SSD 48 DSS 02 P 241	I Type	71.8	0.0	4.0	1.2	13.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	79.8	0.5	2.0	101.0
264	228	SSD 48 DSS 02 P 242	I Type	85.6	0.0	1.7	2.1	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	95.1	0.4	1.6	101.5
265	150	SSD 48 DSS 02 P 243	I Type	83.0	0.0	0.5	0.8	0.3	0.0	0.0	0.0</									