

Appendix A ImageJ results for traced olivines in Figure 3a

Olivine #	Area/mm ²	P _{trace} /mm	Major Axis/mm	Minor Axis/mm	Circularity	D _{eq} /mm	Phi	P _R /mm	Ellipticity
1	21.413	19.273	7.186	3.794	0.724	5.221482	-2.384459	17.66133	0.916377
2	4.933	8.337	2.641	2.378	0.892	2.506171	-1.325485	7.88924	0.946292
3	6.203	9.366	2.974	2.656	0.889	2.810321	-1.490735	8.850638	0.944975
4	33.023	22.453	8.235	5.105	0.823	6.484303	-2.696952	21.24382	0.946146
5	7.617	10.545	3.623	2.677	0.861	3.114204	-1.638863	9.951879	0.943753
6	27.419	20.132	6.895	5.063	0.85	5.908549	-2.562804	18.89396	0.938504
7	2.096	5.657	1.928	1.384	0.823	1.633619	-0.708071	5.237626	0.925866
8	7.134	10.401	3.835	2.368	0.829	3.01385	-1.591608	9.880374	0.949945
9	9.547	11.926	4.351	2.793	0.843	3.486491	-1.801776	11.3556	0.952172
10	9.25	11.804	4.407	2.673	0.834	3.431831	-1.778979	11.28864	0.95634
11	11.481	13.313	4.856	3.011	0.814	3.823358	-1.93484	12.52796	0.941032
12	8.445	11.399	4.111	2.615	0.817	3.279102	-1.713301	10.69625	0.93835
13	25.737	19.252	5.991	5.47	0.873	5.724453	-2.517138	18.0122	0.935601
14	4.33	8.009	2.801	1.968	0.848	2.348005	-1.231435	7.548375	0.942487
15	15.573	15.087	5.144	3.855	0.86	4.452882	-2.154739	14.20819	0.941751
16	12.543	13.721	4.642	3.441	0.837	3.996279	-1.998657	12.76692	0.930466
17	7.59	10.514	3.595	2.688	0.863	3.108679	-1.636302	9.920798	0.94358
18	2.33	6.081	2.231	1.33	0.792	1.722396	-0.784417	5.68349	0.934631
19	25.417	20.25	7.588	4.265	0.779	5.688755	-2.508113	18.9863	0.937595
20	10.326	12.44	4.118	3.193	0.839	3.625944	-1.858357	11.5301	0.926857
21	3.453	7.162	2.416	1.82	0.846	2.096782	-1.068177	6.686864	0.933659
22	26.814	20.479	7.594	4.496	0.803	5.843	-2.546709	19.30396	0.942622
23	7.394	10.846	3.696	2.547	0.79	3.068279	-1.617429	9.889702	0.911829
24	7.824	10.694	3.557	2.801	0.86	3.156236	-1.658205	10.02245	0.937204
25	10.07	12.456	4.486	2.858	0.816	3.580715	-1.840248	11.67809	0.937547
26	3.772	7.422	2.405	1.997	0.86	2.191497	-1.131917	6.929504	0.933644
27	11.589	13.159	4.53	3.257	0.841	3.841298	-1.941594	12.31365	0.935759
28	17.993	18.233	6.708	3.415	0.68	4.786376	-2.258934	16.32465	0.895336
29	4.148	7.877	2.716	1.945	0.84	2.298129	-1.20046	7.371651	0.935845
30	7.863	10.537	3.334	3.003	0.89	3.164093	-1.661792	9.960927	0.945329
31	4.483	8.203	3.018	1.892	0.837	2.389128	-1.256484	7.81435	0.952621
32	2.495	6.197	2.168	1.465	0.816	1.782339	-0.833772	5.760249	0.929522
33	12.856	13.71	4.765	3.435	0.859	4.045833	-2.016437	12.96538	0.945688
34	5.337	9.111	3.233	2.102	0.808	2.606776	-1.382266	8.474621	0.930153
35	18.289	16.222	5.291	4.401	0.873	4.825586	-2.270704	15.25627	0.940468
36	3.257	6.892	2.476	1.675	0.862	2.036404	-1.026024	6.581215	0.954906
37	9.392	11.94	4.267	2.802	0.828	3.458073	-1.789968	11.22351	0.939992
38	8.193	10.811	3.264	3.196	0.881	3.229807	-1.691448	10.14763	0.938639
39	23.319	19.114	7.012	4.234	0.802	5.448915	-2.445969	17.93569	0.938354
40	12.108	14.28	4.55	3.388	0.746	3.92637	-1.973196	12.53587	0.877862
41	21.124	17.833	5.928	4.537	0.835	5.186127	-2.374658	16.51107	0.925872
42	12.547	13.579	4.575	3.492	0.855	3.996916	-1.998887	12.72877	0.937387
43	10.022	12.32	4.31	2.961	0.83	3.572171	-1.836801	11.51976	0.935045
44	9.163	11.812	4.155	2.808	0.825	3.415654	-1.772162	11.04002	0.934645
45	1.956	5.679	2.091	1.191	0.762	1.578118	-0.658205	5.252732	0.92494
46	16.754	15.86	5.572	3.829	0.837	4.618642	-2.207469	14.89424	0.939107
47	1.556	4.716	1.575	1.258	0.879	1.407537	-0.493173	4.464006	0.946566
48	22.544	18.57	6.207	4.624	0.821	5.357603	-2.421588	17.10427	0.92107
49	8.597	11.158	3.699	2.959	0.868	3.30848	-1.726169	10.49069	0.940194
50	13.772	14.406	5.01	3.5	0.834	4.187488	-2.066085	13.4729	0.935228
51	16.402	15.365	5.23	3.993	0.873	4.569866	-2.192152	14.55268	0.947132
52	11.628	13.94	5.293	2.797	0.752	3.847756	-1.944017	13.01198	0.933427
53	2.746	6.692	2.54	1.376	0.771	1.869844	-0.902918	6.287867	0.93961
54	3.824	7.689	2.819	1.727	0.813	2.206551	-1.141793	7.244223	0.942154
55	3.264	6.953	2.344	1.773	0.849	2.038591	-1.027572	6.498105	0.934576
56	6.444	9.619	3.121	2.629	0.875	2.864394	-1.51823	9.048618	0.940703
57	38.178	25.047	9.183	5.294	0.765	6.972069	-2.801587	23.15254	0.924364
58	26.345	19.382	6.395	5.245	0.881	5.791675	-2.533981	18.32871	0.945656
59	5.57	9.142	3.244	2.186	0.837	2.66307	-1.413091	8.61057	0.941869
60	4.397	8.14	2.855	1.961	0.834	2.366101	-1.242512	7.630266	0.937379
61	14.084	14.258	4.838	3.706	0.871	4.234655	-2.082245	13.47985	0.945423
62	12.056	13.013	4.008	3.83	0.895	3.91793	-1.970092	12.31349	0.946245
63	5.968	9.269	3.126	2.431	0.873	2.756573	-1.462876	8.763083	0.945418

64	4.882	8.606	3.152	1.972	0.828	2.493182	-1.317988	8.155829	0.947691
65	5.626	9.458	3.485	2.056	0.79	2.676424	-1.420307	8.849112	0.935622
66	4.746	9.106	3.422	1.766	0.719	2.45821	-1.297608	8.358208	0.917879
67	12.147	13.4	4.628	3.342	0.85	3.932689	-1.975516	12.60087	0.940363
68	11.56	13.144	4.415	3.334	0.841	3.836489	-1.939787	12.23139	0.930569
69	11.961	13.718	5.155	2.954	0.799	3.902463	-1.964385	12.97328	0.945712
70	7.503	10.465	3.313	2.884	0.861	3.090812	-1.627986	9.745891	0.931284
71	7.285	10.182	3.201	2.897	0.883	3.045579	-1.606716	9.584668	0.941335
72	3.372	7.636	3.057	1.404	0.727	2.072043	-1.051054	7.249955	0.949444
73	19.05	17.775	6.811	3.561	0.758	4.924958	-2.300111	16.6947	0.939223
75	11.354	12.813	4.138	3.493	0.869	3.802152	-1.926816	12.00817	0.937186
76	4.742	8.448	3.061	1.972	0.835	2.457174	-1.297	7.998622	0.946807
77	3.754	7.357	2.45	1.951	0.871	2.186262	-1.128466	6.935311	0.942682
78	18.535	16.324	5.021	4.7	0.874	4.857931	-2.280342	15.27387	0.93567
79	2.878	6.838	2.551	1.437	0.773	1.914258	-0.936785	6.387139	0.934065
80	16.471	16.194	5.757	3.643	0.789	4.579468	-2.19518	14.95278	0.923353
81	3.104	7.761	2.78	1.422	0.648	1.987998	-0.991316	6.773973	0.872822
82	35.615	30.55	9.108	4.978	0.48	6.733976	-2.751458	22.60434	0.739913
83	7.563	11.136	4.224	2.28	0.766	3.103145	-1.633731	10.44592	0.938032
84	5.826	9.553	3.349	2.215	0.802	2.723581	-1.445505	8.830909	0.924412
85	4.593	8.203	2.723	2.148	0.858	2.418262	-1.27397	7.678027	0.936002
86	9.581	12.081	4.342	2.809	0.825	3.492694	-1.80434	11.36219	0.940501
87	2.386	5.88	1.83	1.66	0.867	1.742971	-0.801549	5.485332	0.93288
88	11.233	13.494	4.933	2.899	0.775	3.781838	-1.919088	12.5108	0.927138
89	5.305	9.685	3.866	1.747	0.711	2.598949	-1.377928	9.133872	0.943095
90	2.998	6.562	2.196	1.738	0.875	1.953758	-0.966252	6.20047	0.944905
91	20.301	17.484	5.936	4.355	0.835	5.084096	-2.345991	16.26059	0.930027
92	5.175	8.915	2.958	2.227	0.818	2.566908	-1.360031	8.185101	0.918127
93	19.23	16.556	5.327	4.596	0.882	4.948171	-2.306895	15.60817	0.94275
94	6.151	9.479	3.08	2.543	0.86	2.798517	-1.484662	8.852738	0.933932
95	4.74	8.46	2.959	2.039	0.832	2.456655	-1.296695	7.917484	0.935873
96	5.005	8.791	3.059	2.083	0.814	2.524394	-1.335937	8.149948	0.927079
97	3.566	7.378	2.663	1.705	0.823	2.130815	-1.091405	6.943998	0.941176
98	15.678	15.589	5.627	3.547	0.811	4.467869	-2.159587	14.59628	0.936319
99	21.705	17.81	5.882	4.698	0.86	5.256963	-2.39423	16.6711	0.936053
100	6.65	10.631	4.097	2.067	0.739	2.909818	-1.540929	9.946729	0.935634
101	20.044	18.58	7.377	3.46	0.73	5.051813	-2.336801	17.58331	0.946357
102	22.557	18.268	6.221	4.617	0.849	5.359148	-2.422004	17.11764	0.937029
103	18.794	16.896	6.081	3.935	0.827	4.891755	-2.290352	15.91418	0.94189
104	6.345	10.305	3.912	2.065	0.751	2.842306	-1.507062	9.614139	0.932959
105	1.721	6.292	2.708	0.809	0.546	1.480286	-0.565875	5.934767	0.943224
106	6.688	9.896	3.279	2.597	0.858	2.91812	-1.545039	9.26111	0.935844
107	9.25	11.805	4.018	2.932	0.834	3.431831	-1.778979	10.98378	0.930434
108	27.448	20.835	7.629	4.581	0.795	5.911673	-2.563566	19.47939	0.934936
109	22.747	18.484	6.564	4.412	0.837	5.381671	-2.428054	17.40715	0.941742
110	23.725	19.502	7.475	4.041	0.784	5.496145	-2.45842	18.49367	0.948296
111	4.602	8.109	2.673	2.192	0.88	2.42063	-1.275382	7.660611	0.944705
112	5.569	9.31	3.493	2.03	0.807	2.662831	-1.412961	8.828367	0.948267
113	20.109	17.282	5.858	4.371	0.846	5.059997	-2.339137	16.15268	0.934653
114	11.646	14.14	5.41	2.741	0.732	3.850733	-1.945133	13.14909	0.929922
115	3.441	7.189	2.5	1.753	0.837	2.093136	-1.065666	6.73222	0.936461
116	9.717	12.046	4.21	2.938	0.841	3.517395	-1.814507	11.31712	0.939492
117	18.243	16.645	5.955	3.901	0.827	4.819513	-2.268887	15.65032	0.940242
118	17.143	16.384	5.734	3.807	0.803	4.671953	-2.224026	15.1402	0.924084
119	28.541	20.616	7.238	5.02	0.844	6.028228	-2.591734	19.41275	0.941635
120	5.358	9.253	3.409	2.001	0.786	2.611899	-1.385099	8.642525	0.934024
121	2.292	6.833	2.835	1.03	0.617	1.708293	-0.772555	6.406796	0.937626
122	2.564	6.241	1.988	1.642	0.827	1.806817	-0.85345	5.714949	0.91571
123	29.027	24.334	10.156	3.639	0.616	6.079336	-2.603914	22.89551	0.940885
124	7.754	10.704	3.564	2.77	0.85	3.142085	-1.651722	9.988549	0.93316
125	5.988	10.23	4.045	1.885	0.719	2.761188	-1.465289	9.626395	0.940997
126	5.652	9.155	3.108	2.315	0.847	2.682601	-1.423633	8.564027	0.935448
127	17.148	15.858	5.413	4.033	0.857	4.672634	-2.224236	14.91702	0.940662
128	13.212	15.355	5.472	3.074	0.704	4.101468	-2.03614	13.68958	0.891539
129	4.905	8.359	2.623	2.381	0.882	2.499048	-1.321379	7.864861	0.940885
130	20.832	18.807	7.24	3.663	0.74	5.150158	-2.364617	17.59038	0.93531

