

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
1	17:09:22	133.281000	2.630000	0.200000	-5.650000	0.070000
2	17:15:09	133.281000	2.490000	0.070000	-5.590000	0.200000
3	17:20:57	133.282000	2.590000	0.060000	-5.720000	0.130000
4	17:26:44	133.282000	2.580000	0.080000	-5.690000	0.090000
5	17:32:31	133.281000	2.410000	0.080000	-5.590000	0.110000
6	17:38:19	133.282000	2.630000	0.110000	-5.390000	0.130000
7	17:44:06	133.281000	2.730000	0.100000	-5.210000	0.080000
8	17:49:54	133.282000	2.700000	0.090000	-5.300000	0.060000
9	17:55:42	133.282000	2.730000	0.060000	-5.360000	0.070000
10	18:01:28	133.282000	2.720000	0.090000	-5.080000	0.110000
11						
12	18:08:56	106.585000	2.360000	0.070000	-4.620000	0.130000
13	18:14:46	111.930000	2.270000	0.050000	-4.480000	0.070000
14	18:20:36	117.224000	2.170000	0.060000	-4.540000	0.130000
15	18:26:25	122.479000	2.360000	0.040000	-4.490000	0.030000
16	18:32:15	127.878000	2.350000	0.070000	-4.560000	0.050000
17	18:38:05	133.282000	2.370000	0.030000	-4.690000	0.070000
18	18:43:52	133.282000	2.460000	0.060000	-4.380000	0.120000
19	18:49:39	133.282000	2.520000	0.050000	-4.380000	0.070000
20	18:55:25	133.281000	2.680000	0.030000	-4.530000	0.070000
21	19:01:11	133.282000	2.610000	0.020000	-4.590000	0.010000
22	19:06:58	133.282000	2.520000	0.070000	-4.720000	0.090000
23	19:12:45	133.282000	2.810000	0.070000	-4.640000	0.050000
24	19:18:32	133.281000	2.660000	0.070000	-4.650000	0.030000
25	19:24:19	133.282000	2.660000	0.040000	-4.470000	0.050000
26	19:30:06	133.282000	2.760000	0.040000	-4.210000	0.050000
27	19:35:53	133.282000	2.920000	0.050000	-4.290000	0.070000
28	19:41:39	133.282000	2.820000	0.050000	-4.200000	0.090000
29	19:47:26	133.281000	2.960000	0.050000	-4.330000	0.070000
30	19:53:13	133.282000	2.850000	0.070000	-4.400000	0.050000
31	19:59:00	133.282000	2.800000	0.050000	-4.290000	0.020000
32	20:04:46	133.282000	2.670000	0.050000	-4.090000	0.050000
33						
34	20:12:15	106.584000	2.480000	0.070000	-3.430000	0.040000
35	20:18:05	111.930000	2.670000	0.030000	-3.280000	0.080000
36	20:23:55	117.223000	2.760000	0.050000	-3.200000	0.070000
37	20:29:46	122.480000	2.840000	0.060000	-3.250000	0.110000
38	20:35:36	127.879000	2.930000	0.060000	-3.700000	0.030000
39	20:41:26	133.282000	2.970000	0.050000	-4.010000	0.090000
40	20:47:13	133.282000	2.760000	0.080000	-3.620000	0.070000
41	20:53:00	133.282000	2.850000	0.030000	-3.630000	0.060000
42	20:58:47	133.282000	2.970000	0.040000	-3.610000	0.050000
43	21:04:34	133.282000	2.950000	0.080000	-3.580000	0.050000
44	21:10:21	133.282000	2.950000	0.030000	-3.650000	0.050000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
1	24.051239	24.804445	23.796449	25.006013	24.395446	0.000000
2	24.126555	24.923492	23.851592	25.008454	24.430909	0.000000
3	24.025847	24.881959	23.806396	25.008424	24.434051	0.000000
4	24.029846	24.770661	23.690917	25.008240	24.412016	0.000000
5	24.029052	24.663758	23.579224	25.002930	24.373626	0.000000
6	23.990936	24.572328	23.510559	24.999328	24.328552	0.000000
7	23.962128	24.590517	23.533052	24.996275	24.310365	0.000000
8	24.046692	24.667267	23.611694	24.999175	24.312654	0.000000
9	23.932769	24.746736	23.690217	24.997621	24.329438	0.000000
10	24.011688	24.745942	23.693358	24.992097	24.337585	0.000000
11	23.956055	24.600220	23.682281	24.988646	24.310182	0.000000
12	24.113707	24.280060	23.602204	24.983551	24.230773	0.000000
13	23.982880	24.267609	23.517700	24.976563	24.195067	0.000000
14	23.990509	24.260254	23.433136	24.977050	24.160797	0.000000
15	24.042816	24.268280	23.361632	24.971098	24.129091	0.500000
16	23.944792	24.321441	23.337981	24.966399	24.107757	0.500000
17	23.850433	24.446685	23.403993	24.957764	24.115631	0.500000
18	23.985290	24.540953	23.485016	24.955659	24.134522	0.500000
19	24.020171	24.632048	23.569184	24.954681	24.159545	0.500000
20	24.022612	24.650237	23.576813	24.948515	24.178162	0.500000
21	23.953521	24.615325	23.533295	24.947083	24.178955	0.500000
22	23.938446	24.527619	23.460267	24.941986	24.161866	0.500000
23	23.703064	24.435760	23.374543	24.933104	24.128661	0.500000
24	23.891906	24.380157	23.304077	24.932678	24.102417	0.500000
25	23.907074	24.315705	23.241730	24.929473	24.065520	0.500000
26	23.998992	24.308686	23.245271	24.928894	24.040617	0.500000
27	23.885712	24.356474	23.293793	24.924743	24.033660	0.500000
28	23.963501	24.405426	23.350616	24.918609	24.039856	0.500000
29	23.906981	24.453825	23.377228	24.917450	24.044525	0.500000
30	24.041564	24.420104	23.332152	24.923369	24.039734	0.500000
31	24.086730	24.361450	23.245940	24.927153	24.011931	0.500000
32	24.128785	24.290345	23.189912	24.939301	23.978362	0.500000
33	24.272186	24.134095	23.185668	24.942689	23.946748	0.500000
34	24.110596	23.889771	23.189759	24.943848	23.865600	0.500000
35	24.095244	24.018921	23.244996	24.953950	23.860657	0.500000
36	23.991456	24.162629	23.329804	24.957001	23.876099	0.500000
37	24.138550	24.307341	23.376555	24.961365	23.906892	0.500000
38	24.112060	24.366364	23.349823	24.965057	23.925019	0.500000
39	24.095854	24.348571	23.249847	24.972015	23.925934	0.500000
40	24.210448	24.236115	23.138276	24.976960	23.892059	0.500000
41	24.178345	24.167481	23.079895	24.982362	23.859038	0.500000
42	24.174010	24.167754	23.082947	24.987915	23.840333	0.500000
43	24.188294	24.214692	23.122038	24.993256	23.835145	0.500000
44	24.156494	24.267363	23.179504	24.999268	23.845368	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
1	0.000000	1.007996	3.638000e-3
2	0.000000	1.071900	3.639000e-3
3	0.000000	1.075563	3.639000e-3
4	0.000000	1.079744	3.638000e-3
5	0.000000	1.084534	3.637000e-3
6	0.000000	1.061769	3.636000e-3
7	0.000000	1.057465	3.636000e-3
8	0.000000	1.055573	3.638000e-3
9	0.000000	1.056519	3.638000e-3
10	0.000000	1.052584	3.638000e-3
11	0.000000	0.917939	2.179000e-3
12	0.000000	0.677856	2.902000e-3
13	0.000000	0.749909	3.048000e-3
14	0.500000	0.827118	3.193000e-3
15	0.500000	0.906648	3.337000e-3
16	0.500000	0.983460	3.485000e-3
17	0.500000	1.042692	3.635000e-3
18	0.500000	1.055937	3.636000e-3
19	0.500000	1.062864	3.637000e-3
20	0.500000	1.073424	3.637000e-3
21	0.500000	1.082030	3.637000e-3
22	0.500000	1.067352	3.636000e-3
23	0.500000	1.061217	3.635000e-3
24	0.500000	1.076080	3.635000e-3
25	0.500000	1.073975	3.634000e-3
26	0.500000	1.063415	3.634000e-3
27	0.500000	1.062681	3.635000e-3
28	0.500000	1.054810	3.636000e-3
29	0.500000	1.076597	3.636000e-3
30	0.500000	1.087952	3.635000e-3
31	0.500000	1.115510	3.634000e-3
32	0.500000	1.100433	3.634000e-3
33	0.500000	0.948427	2.177000e-3
34	0.500000	0.700012	2.900000e-3
35	0.500000	0.773925	3.046000e-3
36	0.500000	0.832825	3.192000e-3
37	0.500000	0.930786	3.337000e-3
38	0.500000	1.016541	3.486000e-3
39	0.500000	1.098724	3.634000e-3
40	0.500000	1.097839	3.633000e-3
41	0.500000	1.087586	3.633000e-3
42	0.500000	1.084807	3.633000e-3
43	0.500000	1.092654	3.633000e-3
44	0.500000	1.087859	3.634000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
45	21:16:08	133.282000	3.010000	0.040000	-3.530000	0.040000
46	21:21:55	133.283000	3.020000	0.090000	-3.620000	0.070000
47	21:27:42	133.282000	2.900000	0.040000	-3.350000	0.050000
48	21:33:28	133.283000	2.970000	0.060000	-3.380000	0.100000
49	21:39:14	133.282000	2.940000	0.050000	-3.310000	0.070000
50	21:45:01	133.282000	3.040000	0.040000	-3.410000	0.020000
51	21:50:48	133.282000	2.990000	0.080000	-3.340000	0.020000
52	21:56:35	133.282000	2.940000	0.050000	-3.280000	0.040000
53	22:02:21	133.282000	2.960000	0.070000	-3.280000	0.050000
54	22:08:08	133.282000	2.970000	0.030000	-3.240000	0.050000
55						
56	22:15:37	106.585000	2.620000	0.030000	-2.770000	0.040000
57	22:21:28	111.932000	2.610000	0.040000	-2.530000	0.060000
58	22:27:17	117.223000	2.750000	0.030000	-2.520000	0.050000
59	22:33:08	122.480000	2.800000	0.030000	-2.490000	0.050000
60	22:38:57	127.880000	2.960000	0.080000	-2.890000	0.040000
61	22:44:48	133.283000	3.060000	0.040000	-3.180000	0.070000
62	22:50:34	133.283000	2.980000	0.060000	-3.120000	0.030000
63	22:56:21	133.282000	3.020000	0.050000	-2.870000	0.090000
64	23:02:08	133.282000	3.080000	0.090000	-2.870000	0.070000
65	23:07:55	133.282000	2.960000	0.060000	-2.930000	0.050000
66	23:13:42	133.282000	2.960000	0.060000	-2.920000	0.030000
67	23:19:29	133.282000	2.990000	0.100000	-3.190000	0.040000
68	23:25:15	133.284000	2.930000	0.040000	-3.180000	0.060000
69	23:31:02	133.282000	2.900000	0.060000	-3.380000	0.050000
70	23:36:49	133.282000	2.780000	0.050000	-3.330000	0.080000
71	23:42:36	133.281000	2.780000	0.060000	-3.430000	0.030000
72	23:48:22	133.282000	2.640000	0.050000	-3.240000	0.050000
73	23:54:09	133.282000	2.810000	0.060000	-2.980000	0.020000
74	23:59:55	133.283000	2.840000	0.050000	-3.130000	0.090000
75	00:05:42	133.282000	2.880000	0.090000	-3.140000	0.100000
76	00:11:28	133.282000	2.820000	0.060000	-3.030000	0.070000
77						
78	00:18:57	106.584000	2.620000	0.030000	-2.570000	0.040000
79	00:24:48	111.932000	2.630000	0.020000	-2.380000	0.050000
80	00:30:38	117.224000	2.610000	0.080000	-2.390000	0.090000
81	00:36:28	122.480000	2.640000	0.040000	-2.440000	0.030000
82	00:42:17	127.880000	2.710000	0.040000	-2.690000	0.060000
83	00:48:08	133.282000	3.060000	0.050000	-3.060000	0.050000
84	00:53:55	133.282000	2.940000	0.050000	-3.130000	0.090000
85	00:59:42	133.283000	2.910000	0.040000	-3.180000	0.040000
86	01:05:29	133.282000	2.850000	0.070000	-3.200000	0.030000
87	01:11:15	133.282000	2.710000	0.080000	-3.140000	0.060000
88	01:17:01	133.281000	2.870000	0.040000	-3.160000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
45	24.156219	24.317260	23.227264	25.001983	23.857574	0.500000
46	24.322082	24.326996	23.221894	25.009186	23.862763	0.500000
47	24.141509	24.258361	23.136506	25.012055	23.845306	0.500000
48	24.111938	24.144989	23.023499	25.020416	23.810456	0.500000
49	24.127440	24.066193	22.955901	25.020384	23.770172	0.500000
50	24.083282	24.038176	22.933136	25.027771	23.740172	0.500000
51	24.171385	24.057954	22.960572	25.031371	23.723449	0.500000
52	24.156677	24.101625	23.011475	25.032990	23.719146	0.500000
53	24.158539	24.209869	23.119171	25.037353	23.742003	0.500000
54	24.182922	24.312529	23.220521	25.046112	23.772003	0.500000
55	24.170289	24.188905	23.235689	25.046020	23.757109	0.500000
56	24.138121	23.993651	23.286316	25.052491	23.725190	0.500000
57	24.111113	24.085876	23.312500	25.053772	23.750977	0.500000
58	24.139618	24.151397	23.284240	25.060515	23.769501	0.500000
59	24.138183	24.086823	23.144683	25.063445	23.756073	0.500000
60	24.088196	24.010406	22.977663	25.061278	23.721772	0.500000
61	24.048919	23.948944	22.833435	25.062287	23.674348	0.500000
62	24.147858	23.872223	22.775635	25.060821	23.631470	0.500000
63	24.093995	23.898926	22.796906	25.060335	23.605927	0.500000
64	24.068512	23.978486	22.882417	25.065887	23.602479	0.500000
65	24.166169	24.093812	23.000457	25.064514	23.628754	0.500000
66	24.152984	24.219970	23.130066	25.065766	23.668488	0.500000
67	24.211578	24.317048	23.222778	25.067201	23.714783	0.500000
68	24.159119	24.307251	23.216888	25.066865	23.741699	0.500000
69	24.196197	24.207001	23.094115	25.063844	23.737730	0.500000
70	24.059143	24.061799	22.936128	25.063141	23.694062	0.500000
71	24.092192	23.936767	22.829652	25.058410	23.650238	0.500000
72	24.097626	23.890565	22.785461	25.062012	23.612060	0.500000
73	24.086823	23.880584	22.773864	25.058288	23.585296	0.500000
74	24.000060	23.907012	22.800507	25.054200	23.567962	0.500000
75	23.985199	23.977936	22.880219	25.052033	23.572876	0.500000
76	23.903319	24.054292	22.962920	25.051238	23.591371	0.500000
77	24.020996	23.919952	22.979431	25.050995	23.570374	0.500000
78	24.021515	23.713532	23.004486	25.050629	23.525208	0.500000
79	23.936247	23.783966	23.002778	25.044740	23.530304	0.500000
80	23.905456	23.830750	22.970459	25.042420	23.532500	0.500000
81	23.930542	23.869476	22.932587	25.037811	23.532929	0.500000
82	24.005494	23.914062	22.912414	25.035889	23.540192	0.500000
83	23.882720	24.026215	22.911957	25.029541	23.560423	0.500000
84	24.065735	24.036408	22.926484	25.025696	23.566070	0.500000
85	24.037079	24.031494	22.928435	25.026277	23.572999	0.500000
86	24.089324	24.012725	22.921997	25.025239	23.572662	0.500000
87	23.993315	24.041687	22.956481	25.023925	23.578735	0.500000
88	24.003722	24.098358	23.014923	25.019958	23.604889	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
45	0.500000	1.089996	3.634000e-3
46	0.500000	1.105102	3.635000e-3
47	0.500000	1.121855	3.633000e-3
48	0.500000	1.121490	3.632000e-3
49	0.500000	1.110292	3.631000e-3
50	0.500000	1.105040	3.632000e-3
51	1.000000	1.097382	3.632000e-3
52	1.000000	1.090150	3.632000e-3
53	1.000000	1.090698	3.634000e-3
54	1.000000	1.092008	3.634000e-3
55	1.000000	0.953216	2.178000e-3
56	1.000000	0.707335	2.900000e-3
57	1.000000	0.773376	3.047000e-3
58	1.000000	0.867157	3.192000e-3
59	1.000000	0.942140	3.335000e-3
60	1.000000	1.032743	3.482000e-3
61	1.000000	1.115509	3.630000e-3
62	1.000000	1.096588	3.630000e-3
63	1.000000	1.102020	3.631000e-3
64	1.000000	1.096069	3.632000e-3
65	1.000000	1.093355	3.632000e-3
66	1.000000	1.089904	3.634000e-3
67	1.000000	1.094270	3.635000e-3
68	1.000000	1.090363	3.635000e-3
69	1.000000	1.112886	3.633000e-3
70	1.000000	1.125671	3.631000e-3
71	1.000000	1.107115	3.631000e-3
72	1.000000	1.105104	3.630000e-3
73	1.000000	1.106720	3.631000e-3
74	1.000000	1.106505	3.630000e-3
75	1.000000	1.097717	3.631000e-3
76	1.000000	1.091372	3.632000e-3
77	1.000000	0.940521	2.176000e-3
78	1.000000	0.709046	2.899000e-3
79	1.000000	0.781188	3.044000e-3
80	1.000000	0.860291	3.190000e-3
81	1.000000	0.936889	3.334000e-3
82	1.000000	1.001648	3.483000e-3
83	1.000000	1.114258	3.631000e-3
84	1.000000	1.109924	3.632000e-3
85	1.000000	1.103059	3.632000e-3
86	1.000000	1.090728	3.632000e-3
87	1.000000	1.085206	3.632000e-3
88	1.000000	1.083435	3.633000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
89	01:22:48	133.282000	2.860000	0.090000	-3.160000	0.120000
90	01:28:35	133.282000	2.660000	0.080000	-3.080000	0.070000
91	01:34:22	133.283000	2.730000	0.040000	-3.280000	0.020000
92	01:40:09	133.282000	2.710000	0.070000	-3.310000	0.050000
93	01:45:55	133.283000	2.730000	0.050000	-3.220000	0.040000
94	01:51:42	133.282000	2.920000	0.030000	-3.240000	0.040000
95	01:57:28	133.282000	2.760000	0.090000	-3.200000	0.060000
96	02:03:15	133.283000	2.830000	0.030000	-3.300000	0.040000
97	02:09:03	133.282000	2.840000	0.040000	-3.300000	0.060000
98	02:14:50	133.283000	2.860000	0.080000	-3.330000	0.070000
99						
100	02:22:18	106.584000	2.560000	0.040000	-2.730000	0.100000
101	02:28:09	111.932000	2.590000	0.040000	-2.670000	0.100000
102	02:33:59	117.223000	2.620000	0.020000	-2.740000	0.060000
103	02:39:49	122.480000	2.600000	0.070000	-3.040000	0.090000
104	02:45:39	127.880000	2.790000	0.070000	-3.060000	0.040000
105	02:51:30	133.282000	2.810000	0.030000	-3.080000	0.090000
106	02:57:18	133.282000	2.780000	0.050000	-3.150000	0.090000
107	03:03:05	133.283000	2.810000	0.040000	-2.980000	0.060000
108	03:08:52	133.283000	2.860000	0.050000	-2.940000	0.050000
109	03:14:39	133.282000	2.800000	0.020000	-2.790000	0.060000
110	03:20:26	133.283000	2.900000	0.060000	-3.050000	0.040000
111	03:26:13	133.283000	2.810000	0.070000	-3.070000	0.080000
112	03:32:00	133.282000	2.960000	0.040000	-3.060000	0.090000
113	03:37:46	133.282000	2.830000	0.040000	-2.970000	0.090000
114	03:43:33	133.282000	2.830000	0.090000	-3.080000	0.100000
115	03:49:21	133.283000	2.670000	0.090000	-3.070000	0.090000
116	03:55:07	133.283000	2.670000	0.050000	-3.050000	0.020000
117	04:00:55	133.283000	2.640000	0.040000	-2.680000	0.090000
118	04:06:42	133.282000	2.600000	0.050000	-2.980000	0.060000
119	04:12:29	133.283000	2.610000	0.070000	-3.170000	0.060000
120	04:18:16	133.283000	2.670000	0.050000	-2.940000	0.060000
121						
122	04:25:44	106.584000	2.590000	0.100000	-2.560000	0.030000
123	04:31:35	111.932000	2.570000	0.070000	-2.490000	0.070000
124	04:37:26	117.224000	2.570000	0.050000	-2.370000	0.100000
125	04:43:16	122.481000	2.510000	0.080000	-2.600000	0.110000
126	04:49:06	127.880000	2.680000	0.080000	-2.970000	0.100000
127	04:54:57	133.283000	2.890000	0.090000	-3.380000	0.070000
128	05:00:45	133.282000	2.870000	0.060000	-3.230000	0.070000
129	05:06:32	133.282000	2.770000	0.030000	-3.140000	0.050000
130	05:12:19	133.283000	2.800000	0.080000	-2.940000	0.090000
131	05:18:05	133.282000	2.810000	0.060000	-2.980000	0.080000
132	05:23:52	133.283000	2.890000	0.050000	-2.780000	0.080000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
89	23.924622	24.137268	23.026398	25.016511	23.622193	0.500000
90	24.023284	24.115326	23.000215	25.021668	23.626404	0.500000
91	23.918395	24.075349	22.955139	25.020690	23.620972	0.500000
92	24.040038	24.028290	22.921111	25.020751	23.609251	0.500000
93	23.979430	24.008026	22.887879	25.020326	23.599091	0.500000
94	24.042601	23.952972	22.856049	25.018249	23.582855	0.500000
95	24.009461	23.935120	22.828826	25.014465	23.568941	0.500000
96	23.977324	23.909118	22.791627	25.012055	23.545900	0.500000
97	24.012145	23.905702	22.800750	25.009245	23.534394	0.500000
98	24.000458	23.958130	22.859160	25.010528	23.538452	0.500000
99	23.978486	23.818818	22.877412	25.008423	23.516571	0.500000
100	23.921203	23.655486	22.958160	24.998412	23.476531	0.500000
101	24.036743	23.810486	23.033295	24.997407	23.504792	0.500000
102	23.856139	23.893464	23.026976	24.992309	23.529084	0.500000
103	24.024384	23.843688	22.881654	24.991729	23.514588	0.500000
104	23.962981	23.724150	22.682037	24.990144	23.466553	0.500000
105	23.844604	23.656952	22.534117	24.981964	23.417296	0.500000
106	23.874237	23.559938	22.443634	24.985718	23.358217	0.500000
107	23.925323	23.495726	22.385469	24.980500	23.303465	1.000000
108	23.856689	23.488679	22.375122	24.977142	23.263306	1.000000
109	23.830993	23.527557	22.431062	24.974091	23.239073	1.000000
110	23.923034	23.589813	22.487671	24.975495	23.235169	1.000000
111	23.895690	23.681092	22.572205	24.971436	23.245483	1.000000
112	23.877074	23.754088	22.658356	24.969972	23.266327	1.000000
113	23.976745	23.791078	22.682465	24.970155	23.285738	1.000000
114	23.837432	23.788146	22.668489	24.969941	23.289856	1.000000
115	23.807005	23.778871	22.666289	24.968505	23.296752	1.000000
116	23.963043	23.806183	22.698395	24.972382	23.307800	1.000000
117	23.973388	23.841186	22.744782	24.972565	23.328157	1.000000
118	23.885283	23.871855	22.750886	24.969788	23.346589	1.000000
119	23.913390	23.827576	22.706605	24.969879	23.346131	1.000000
120	23.975434	23.776123	22.660338	24.971376	23.334351	1.000000
121	23.877015	23.621948	22.651368	24.971345	23.306122	0.500000
122	23.839752	23.349945	22.640901	24.966645	23.236785	1.000000
123	23.947663	23.469543	22.694945	24.963074	23.242218	1.000000
124	23.990235	23.630462	22.792785	24.962800	23.272736	1.000000
125	23.997740	23.812134	22.875733	24.962737	23.323517	1.000000
126	23.896636	23.922945	22.877534	24.960296	23.366089	1.000000
127	23.824799	23.869813	22.734191	24.958374	23.371703	0.500000
128	23.756346	23.699737	22.560487	24.956360	23.323364	0.500000
129	23.907744	23.562805	22.444580	24.957032	23.277771	0.500000
130	23.833923	23.477845	22.366181	24.952545	23.228181	1.000000
131	23.887360	23.466827	22.359345	24.949127	23.194581	1.000000
132	23.916656	23.515869	22.406922	24.952576	23.181947	1.000000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
89	1.000000	1.110870	3.633000e-3
90	1.000000	1.115111	3.633000e-3
91	1.000000	1.120210	3.632000e-3
92	1.000000	1.107179	3.632000e-3
93	1.000000	1.120147	3.631000e-3
94	1.000000	1.096923	3.632000e-3
95	1.000000	1.106294	3.631000e-3
96	1.000000	1.117491	3.631000e-3
97	1.000000	1.104952	3.631000e-3
98	1.000000	1.098970	3.631000e-3
99	1.000000	0.941406	2.176000e-3
100	1.000000	0.697326	2.898000e-3
101	1.000000	0.777191	3.046000e-3
102	1.000000	0.866488	3.191000e-3
103	1.000000	0.962034	3.333000e-3
104	1.000000	1.042113	3.479000e-3
105	1.000000	1.122835	3.627000e-3
106	1.000000	1.116304	3.627000e-3
107	1.000000	1.110257	3.627000e-3
108	1.500000	1.113557	3.626000e-3
109	1.500000	1.096495	3.627000e-3
110	1.500000	1.102142	3.628000e-3
111	1.500000	1.108887	3.629000e-3
112	1.500000	1.095732	3.629000e-3
113	1.500000	1.108613	3.630000e-3
114	1.500000	1.119657	3.629000e-3
115	1.500000	1.112582	3.629000e-3
116	1.500000	1.107788	3.630000e-3
117	1.500000	1.096404	3.630000e-3
118	1.500000	1.120969	3.630000e-3
119	1.500000	1.120971	3.629000e-3
120	1.000000	1.115785	3.629000e-3
121	1.500000	0.970580	2.174000e-3
122	1.500000	0.709044	2.895000e-3
123	1.500000	0.774598	3.042000e-3
124	1.500000	0.837677	3.189000e-3
125	1.500000	0.936401	3.333000e-3
126	1.500000	1.045411	3.482000e-3
127	1.000000	1.135622	3.629000e-3
128	1.000000	1.139250	3.628000e-3
129	1.000000	1.118225	3.627000e-3
130	1.000000	1.111664	3.626000e-3
131	1.500000	1.107482	3.626000e-3
132	1.500000	1.108947	3.627000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
133	05:29:39	133.283000	2.820000	0.100000	-2.890000	0.090000
134	05:35:26	133.283000	2.890000	0.060000	-2.990000	0.030000
135	05:41:14	133.282000	2.890000	0.030000	-2.870000	0.030000
136	05:47:00	133.283000	2.940000	0.080000	-2.980000	0.070000
137	05:52:47	133.283000	2.950000	0.120000	-3.130000	0.080000
138	05:58:35	133.283000	2.650000	0.050000	-3.000000	0.050000
139	06:04:22	133.283000	2.700000	0.220000	-3.080000	0.250000
140	06:10:09	133.283000	2.810000	0.040000	-2.890000	0.050000
141	06:15:56	133.282000	2.780000	0.100000	-3.090000	0.160000
142	06:21:43	133.282000	2.760000	0.060000	-3.170000	0.070000
143						
144	06:29:11	106.586000	2.680000	0.020000	-2.660000	0.050000
145	06:35:02	111.933000	2.690000	0.060000	-2.540000	0.050000
146	06:40:53	117.224000	2.620000	0.080000	-2.630000	0.080000
147	06:46:43	122.480000	2.600000	0.050000	-2.710000	0.040000
148	06:52:32	127.879000	2.660000	0.070000	-2.840000	0.090000
149	06:58:23	133.283000	2.720000	0.040000	-2.940000	0.050000
150	07:04:10	133.282000	2.690000	0.140000	-3.090000	0.080000
151	07:09:57	133.283000	2.910000	0.110000	-3.060000	0.090000
152	07:15:44	133.282000	2.810000	0.040000	-3.120000	0.050000
153	07:21:31	133.283000	2.920000	0.020000	-3.160000	0.030000
154	07:27:18	133.283000	2.770000	0.020000	-3.050000	0.050000
155	07:33:04	133.283000	2.710000	0.040000	-3.030000	0.030000
156	07:38:50	133.283000	2.850000	0.030000	-2.830000	0.070000
157	07:44:37	133.283000	2.730000	0.080000	-3.000000	0.060000
158	07:50:25	133.284000	2.780000	0.100000	-2.940000	0.190000
159	07:56:12	133.283000	2.870000	0.040000	-3.100000	0.070000
160	08:02:00	133.283000	2.920000	0.060000	-3.080000	0.070000
161	08:07:47	133.282000	3.000000	0.050000	-3.190000	0.060000
162	08:13:34	133.282000	2.950000	0.060000	-3.180000	0.120000
163	08:19:22	133.283000	3.010000	0.050000	-3.140000	0.050000
164	08:25:09	133.282000	2.940000	0.040000	-3.330000	0.050000
165						
166	08:32:37	106.585000	2.740000	0.080000	-2.690000	0.060000
167	08:38:29	111.931000	2.600000	0.050000	-2.580000	0.100000
168	08:44:19	117.225000	2.510000	0.030000	-2.740000	0.030000
169	08:50:09	122.480000	2.590000	0.080000	-2.710000	0.060000
170	08:55:59	127.880000	2.630000	0.030000	-2.850000	0.060000
171	09:01:50	133.283000	2.750000	0.040000	-3.160000	0.110000
172	09:07:37	133.284000	2.550000	0.060000	-3.290000	0.050000
173	09:13:23	133.283000	2.540000	0.080000	-3.310000	0.040000
174	09:19:11	133.283000	2.620000	0.020000	-3.400000	0.040000
175	09:24:58	133.283000	2.760000	0.040000	-3.200000	0.060000
176	09:30:45	133.283000	2.730000	0.050000	-3.290000	0.070000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
133	23.932769	23.593872	22.487578	24.950042	23.183319	1.000000
134	23.874664	23.685669	22.577882	24.950377	23.200043	1.000000
135	23.900420	23.752899	22.638765	24.952913	23.224456	1.000000
136	23.807282	23.764374	22.641906	24.952057	23.239472	1.000000
137	23.855500	23.743376	22.632814	24.950714	23.251769	1.000000
138	23.935730	23.748168	22.633179	24.953461	23.250305	1.000000
139	23.891205	23.799623	22.689819	24.954377	23.272126	1.000000
140	23.908448	23.858827	22.736879	24.958497	23.297792	1.000000
141	23.889770	23.857605	22.723420	24.957518	23.319307	1.000000
142	23.810851	23.796324	22.657256	24.959779	23.307190	1.000000
143	23.895385	23.625122	22.642943	24.954407	23.280519	0.500000
144	23.875153	23.283476	22.565034	24.953491	23.193907	1.000000
145	23.774962	23.347136	22.568787	24.952455	23.181367	1.000000
146	23.899199	23.486450	22.626280	24.950499	23.196564	1.000000
147	23.930206	23.652282	22.711455	24.952271	23.227295	1.000000
148	23.932342	23.836700	22.812194	24.951996	23.281434	1.000000
149	23.780913	23.990082	22.863554	24.954223	23.336455	1.000000
150	23.802094	23.929810	22.775909	24.956208	23.354950	0.500000
151	23.840332	23.748290	22.595610	24.953582	23.321838	0.500000
152	23.867065	23.603089	22.480927	24.955445	23.271728	0.500000
153	23.803496	23.523713	22.399413	24.952483	23.233001	1.000000
154	23.811218	23.496032	22.382323	24.947631	23.204102	1.000000
155	23.818817	23.540833	22.433776	24.950867	23.189819	1.000000
156	23.795256	23.630767	22.524231	24.952423	23.193817	1.000000
157	23.875153	23.744139	22.627717	24.949646	23.230866	1.000000
158	23.850524	23.833038	22.713898	24.956177	23.265291	1.000000
159	23.984527	23.870607	22.760773	24.957854	23.289916	1.000000
160	23.875489	23.881715	22.755433	24.957580	23.305358	1.000000
161	23.915801	23.923645	22.802156	24.961670	23.336670	1.000000
162	24.025483	24.015107	22.902895	24.969697	23.381227	0.500000
163	23.987364	24.102110	22.978942	24.975585	23.433624	0.500000
164	23.988616	24.121278	22.989808	24.980011	23.468322	0.500000
165	23.921997	23.967958	22.977539	24.980042	23.447723	0.500000
166	24.025084	23.649382	22.923979	24.979768	23.395355	0.500000
167	23.910155	23.684450	22.890257	24.983764	23.397338	0.500000
168	23.957886	23.790346	22.927673	24.981079	23.420074	0.500000
169	24.014160	23.956055	23.016143	24.988007	23.463531	0.500000
170	24.018464	24.148895	23.132082	24.992797	23.535126	0.500000
171	24.154968	24.365356	23.252106	24.998658	23.610077	0.500000
172	24.053344	24.449858	23.309296	25.001221	23.674836	0.500000
173	24.164550	24.404816	23.256684	25.010375	23.713928	0.500000
174	24.053528	24.253450	23.101563	25.014984	23.708679	0.500000
175	24.045348	24.126130	22.995390	25.017457	23.680389	0.500000
176	24.021790	24.079222	22.956390	25.017547	23.665131	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
133	1.500000	1.106294	3.627000e-3
134	1.500000	1.107787	3.628000e-3
135	1.500000	1.114134	3.629000e-3
136	1.500000	1.122468	3.629000e-3
137	1.500000	1.110562	3.629000e-3
138	1.500000	1.114989	3.629000e-3
139	1.500000	1.109804	3.629000e-3
140	1.500000	1.121948	3.630000e-3
141	1.500000	1.134185	3.630000e-3
142	1.000000	1.139068	3.629000e-3
143	1.500000	0.982179	2.174000e-3
144	1.500000	0.718442	2.895000e-3
145	1.500000	0.778349	3.042000e-3
146	1.500000	0.860170	3.188000e-3
147	1.500000	0.940827	3.332000e-3
148	1.500000	1.024506	3.482000e-3
149	1.500000	1.126528	3.631000e-3
150	1.000000	1.153901	3.630000e-3
151	1.000000	1.152680	3.628000e-3
152	1.000000	1.122162	3.627000e-3
153	1.000000	1.124300	3.627000e-3
154	1.500000	1.113709	3.627000e-3
155	1.500000	1.107057	3.627000e-3
156	1.500000	1.106536	3.628000e-3
157	1.500000	1.116422	3.629000e-3
158	1.500000	1.119140	3.630000e-3
159	1.500000	1.109834	3.630000e-3
160	1.500000	1.126282	3.630000e-3
161	1.500000	1.121489	3.631000e-3
162	1.000000	1.112212	3.632000e-3
163	1.000000	1.123168	3.633000e-3
164	1.000000	1.131470	3.632000e-3
165	1.000000	0.990419	2.176000e-3
166	1.000000	0.725403	2.898000e-3
167	1.000000	0.794193	3.044000e-3
168	1.000000	0.862673	3.190000e-3
169	1.000000	0.939912	3.335000e-3
170	1.000000	1.016813	3.485000e-3
171	1.000000	1.113250	3.634000e-3
172	1.000000	1.140562	3.635000e-3
173	1.000000	1.148132	3.635000e-3
174	0.500000	1.151887	3.633000e-3
175	0.500000	1.130740	3.632000e-3
176	0.500000	1.122832	3.632000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
177	09:36:32	133.283000	2.900000	0.080000	-3.330000	0.060000
178	09:42:19	133.283000	2.960000	0.040000	-3.170000	0.050000
179	09:48:06	133.284000	2.890000	0.070000	-3.070000	0.120000
180	09:53:53	133.283000	2.700000	0.080000	-2.910000	0.060000
181	09:59:40	133.283000	2.970000	0.130000	-3.040000	0.060000
182	10:05:27	133.283000	2.960000	0.070000	-3.180000	0.020000
183	10:11:15	133.283000	2.850000	0.060000	-3.270000	0.070000
184	10:17:01	133.283000	2.650000	0.020000	-3.170000	0.020000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
177	24.125518	24.093414	22.975494	25.030243	23.659300	0.500000
178	24.088928	24.181519	23.067506	25.036560	23.677611	0.500000
179	24.183959	24.305969	23.191102	25.042419	23.720582	0.500000
180	24.150605	24.417358	23.294464	25.049133	23.771698	0.500000
181	24.183685	24.514313	23.393127	25.060578	23.820954	0.500000
182	24.331755	24.591918	23.464723	25.074982	23.875000	0.500000
183	24.379699	24.609314	23.481109	25.088044	23.919677	0.500000
184	24.402587	24.545777	23.411134	25.104401	23.932189	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
177	0.500000	1.117920	3.632000e-3
178	0.500000	1.114013	3.634000e-3
179	1.000000	1.114867	3.635000e-3
180	0.500000	1.122894	3.635000e-3
181	0.500000	1.121186	3.636000e-3
182	0.500000	1.127195	3.637000e-3
183	0.500000	1.128205	3.637000e-3
184	0.500000	1.134643	3.636000e-3