	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
1	17:28:16	150.318000	0.040000	1.160000	-6.640000	0.780000
2	17:34:03	150.318000	0.780000	1.220000	-6.260000	0.840000
3	17:39:50	150.317000	1.510000	0.090000	-6.210000	0.060000
4	17:45:37	150.318000	1.540000	0.050000	-6.270000	0.050000
5	17:51:25	150.319000	1.550000	0.080000	-6.390000	0.050000
6	17:57:12	150.319000	1.510000	0.030000	-6.380000	0.040000
7	18:02:59	150.318000	0.200000	1.640000	-6.510000	0.840000
8	18:08:47	150.318000	0.180000	2.540000	-5.550000	2.640000
9	18:14:33	150.319000	-0.140000	1.390000	-6.950000	1.010000
10	18:20:20	150.318000	1.500000	0.350000	-6.500000	0.270000
11						
12	18:28:07	120.290000	-3.330000	3.420000	-5.680000	2.100000
13	18:33:57	126.264000	0.350000	3.010000	-2.610000	4.520000
14	18:39:47	132.338000	1.670000	0.520000	-5.100000	0.680000
15	18:45:37	138.295000	0.340000	1.440000	-5.990000	0.930000
16	18:51:27	144.322000	0.880000	0.500000	-5.880000	0.320000
17	18:57:18	150.318000	1.750000	0.500000	-5.340000	1.550000
18	19:03:04	150.319000	1.500000	0.980000	-6.000000	1.250000
19	19:08:51	150.318000	0.240000	0.650000	-6.300000	0.390000
20	19:14:38	150.318000	0.450000	0.950000	-6.300000	0.450000
21	19:20:24	150.320000	1.350000	0.070000	-6.120000	0.040000
22	19:26:11	150.319000	1.090000	0.250000	-6.140000	0.080000
23	19:31:57	150.318000	1.350000	0.040000	-6.250000	0.100000
24	19:37:44	150.319000	1.230000	0.180000	-6.100000	0.130000
25	19:43:30	150.318000	1.080000	0.210000	-6.180000	0.220000
26	19:49:17	150.319000	1.160000	0.100000	-5.940000	0.050000
27	19:55:04	150.319000	1.190000	0.110000	-5.770000	0.090000
28	20:01:19	150.319000	-2.080000	1.500000	-5.350000	1.070000
29	20:07:05	150.320000	1.210000	0.200000	-5.760000	0.160000
30	20:12:52	150.319000	1.240000	0.050000	-5.870000	0.060000
31	20:18:39	150.319000	1.110000	0.150000	-5.940000	0.180000
32	20:24:26	150.319000	-3.390000	4.770000	-5.590000	1.660000
33						
34	20:32:13	120.291000	-8.980000	3.790000	-4.510000	1.620000
35	20:38:03	126.264000	-2.100000	0.400000	-5.090000	0.360000
36	20:43:53	132.339000	0.540000	1.560000	-4.140000	1.100000
37	20:49:43	138.295000	0.850000	0.130000	-4.760000	0.150000
38	20:55:33	144.322000	1.110000	0.320000	-5.240000	0.190000
39	21:01:24	150.319000	1.400000	0.070000	-5.860000	0.170000
40	21:07:10	150.319000	1.430000	0.060000	-5.900000	0.080000
41	21:12:57	150.319000	1.510000	0.050000	-6.050000	0.070000
42	21:18:45	150.318000	-3.490000	2.680000	-6.520000	1.610000
43	21:24:31	150.319000	-0.050000	1.940000	-6.010000	0.920000
44	21:30:17	150.319000	-3.870000	3.030000	-7.220000	1.610000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
1	23.999023	24.762299	23.474427	24.857088	24.255250	0.000000
2	24.024901	24.933104	23.600616	24.855285	24.300201	0.000000
3	23.948943	24.989929	23.649292	24.854431	24.339966	0.000000
4	24.075043	24.939391	23.604431	24.851927	24.347840	0.000000
5	24.003081	24.844512	23.482513	24.855072	24.329223	0.000000
6	23.963074	24.703125	23.345428	24.854217	24.290376	0.000000
7	23.975586	24.634920	23.290343	24.850037	24.253021	0.000000
8	23.949980	24.631042	23.307769	24.852906	24.232178	0.000000
9	23.934721	24.715576	23.374603	24.857604	24.234771	0.000000
10	23.927428	24.779969	23.455658	24.848938	24.254640	0.000000
11	24.020781	24.563994	23.475921	24.849579	24.214111	0.000000
12	23.951935	24.355958	23.499237	24.847992	24.159667	0.000000
13	23.922209	24.411531	23.448364	24.839508	24.152895	0.000000
14	24.022338	24.404145	23.341187	24.848114	24.133453	0.000000
15	24.142487	24.379852	23.222136	24.857331	24.097075	0.000000
16	24.048705	24.418335	23.163391	24.867401	24.073548	0.000000
17	24.054076	24.538513	23.169770	24.873809	24.074250	0.500000
18	24.158234	24.572844	23.204314	24.885711	24.073119	0.500000
19	24.065551	24.622466	23.249422	24.887726	24.081543	0.500000
20	24.162812	24.676575	23.304260	24.899811	24.094727	0.500000
21	24.233582	24.735839	23.360048	24.903534	24.112854	0.500000
22	24.170289	24.742890	23.354034	24.915862	24.126739	0.500000
23	24.104981	24.631867	23.250366	24.920044	24.108672	0.500000
24	24.210631	24.500396	23.091341	24.926972	24.058685	0.000000
25	24.226469	24.378753	22.989349	24.930969	24.005371	0.500000
26	24.194335	24.314607	22.939270	24.937713	23.960845	0.500000
27	24.228210	24.329133	22.932128	24.940522	23.929076	0.500000
28	24.160857	24.354921	22.960267	24.944459	23.910249	0.500000
29	24.132933	24.438354	23.047454	24.951539	23.912263	0.500000
30	24.265379	24.531861	23.137574	24.958984	23.929381	0.500000
31	24.209442	24.596648	23.202577	24.967437	23.954895	0.500000
32	24.257569	24.629944	23.248901	24.973540	23.978486	0.500000
33	24.170868	24.399324	23.251585	24.971071	23.936982	0.500000
34	24.183044	24.113647	23.214448	24.976013	23.871216	0.500000
35	24.042236	24.157625	23.164917	24.976991	23.860442	0.500000
36	24.179077	24.217439	23.131776	24.981506	23.857270	0.500000
37	24.167695	24.288421	23.107361	24.985656	23.859954	0.500000
38	24.263367	24.373718	23.092437	24.991761	23.868834	0.500000
39	24.118194	24.462676	23.087221	24.991912	23.891174	0.500000
40	24.261138	24.462891	23.067688	24.992128	23.885894	0.500000
41	24.131560	24.433135	23.062835	24.990602	23.884949	0.500000
42	24.286561	24.494385	23.109406	24.998079	23.898347	0.500000
43	24.244232	24.552032	23.168549	24.996460	23.920319	0.500000
44	24.146606	24.568513	23.188660	24.997375	23.940552	0.500000

	3-HeidenhainL(um	14-coil-H2Oin(C)	ltage across termin
1	0.000000	1.287872	4.101000e-3
2	0.000000	1.332488	4.104000e-3
3	0.000000	1.340637	4.105000e-3
4	0.000000	1.334960	4.104000e-3
5	0.000000	1.361999	4.103000e-3
6	0.000000	1.357697	4.102000e-3
7	0.000000	1.344577	4.101000e-3
8	0.000000	1.323273	4.102000e-3
9	0.000000	1.340973	4.103000e-3
10	0.000000	1.324311	4.103000e-3
11	0.000000	1.088073	2.177000e-3
12	0.500000	0.856721	3.275000e-3
13	0.500000	0.963167	3.438000e-3
14	0.000000	1.062958	3.605000e-3
15	0.000000	1.157716	3.768000e-3
16	0.000000	1.254944	3.934000e-3
17	0.000000	1.368743	4.100000e-3
18	0.500000	1.368530	4.101000e-3
19	0.500000	1.373044	4.102000e-3
20	0.500000	1.372315	4.103000e-3
21	0.500000	1.375791	4.103000e-3
22	0.500000	1.388856	4.103000e-3
23	0.000000	1.381501	4.102000e-3
24	0.000000	1.409055	4.100000e-3
25	0.500000	1.389404	4.099000e-3
26	0.500000	1.375337	4.099000e-3
27	0.500000	1.397005	4.098000e-3
28	0.500000	1.394654	4.099000e-3
29	0.500000	1.390900	4.100000e-3
30	0.500000	1.394287	4.101000e-3
31	0.500000	1.394071	4.102000e-3
32	0.500000	1.381043	4.102000e-3
33	0.500000	1.147739	2.176000e-3
34	0.500000	0.899199	3.273000e-3
35	0.500000	0.992708	3.436000e-3
36	0.500000	1.085663	3.603000e-3
37	0.500000	1.181060	3.767000e-3
38	0.500000	1.281281	3.934000e-3
39	0.500000	1.375455	4.100000e-3
40	0.500000	1.395203	4.100000e-3
41	0.500000	1.370300	4.100000e-3
42	0.500000	1.384979	4.101000e-3
43	0.500000	1.383483	4.101000e-3
44	0.500000	1.379853	4.102000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
45	21:36:04	150.319000	-1.430000	1.850000	-6.440000	1.110000
46	21:41:50	150.318000	18.370000	6.410000	7.260000	4.500000
47	21:47:37	150.319000	11.330000	11.100000	0.280000	7.580000
48	21:53:23	150.319000	0.620000	5.120000	-3.450000	2.340000
49	21:59:09	150.319000	2.050000	2.360000	-4.330000	3.030000
50	22:04:56	150.319000	0.850000	9.540000	-2.440000	5.840000
51	22:10:43	150.319000	-0.990000	1.730000	-4.720000	2.500000
52	22:16:30	150.319000	3.680000	7.260000	-1.350000	6.720000
53	22:22:17	150.319000	-2.750000	2.630000	-6.420000	1.960000
54	22:28:03	150.319000	13.120000	10.230000	3.870000	12.150000
55						
56	22:35:49	120.291000	1.570000	0.930000	-3.650000	1.280000
57	22:41:39	126.265000	0.750000	0.690000	-3.430000	1.620000
58	22:47:29	132.339000	1.960000	2.240000	-2.410000	4.470000
59	22:53:19	138.294000	0.500000	0.710000	-5.130000	0.430000
60	22:59:09	144.321000	1.690000	0.340000	-4.580000	1.090000
61	23:05:00	150.320000	0.740000	0.790000	-5.490000	0.540000
62	23:10:46	150.319000	-1.390000	4.770000	-3.620000	6.030000
63	23:16:33	150.319000	0.660000	1.910000	-5.170000	1.470000
64	23:22:19	150.319000	2.010000	1.000000	-5.470000	0.750000
65	23:28:05	150.319000	1.470000	0.030000	-5.590000	0.030000
66	23:33:51	150.319000	6.120000	6.990000	-0.310000	9.080000
67	23:39:38	150.319000	3.200000	7.580000	-3.780000	6.730000
68	23:45:23	150.320000	1.580000	0.960000	-5.200000	2.000000
69	23:51:11	150.320000	0.200000	1.550000	-5.530000	0.540000
70	23:56:58	150.320000	-6.870000	7.220000	-4.980000	2.260000
71	00:03:14	150.320000	-5.570000	3.940000	-3.620000	1.580000
72	00:09:00	150.319000	-0.460000	1.910000	-4.610000	0.720000
73	00:14:48	150.319000	-3.620000	4.980000	-4.330000	1.480000
74	00:20:34	150.320000	-1.010000	2.700000	-3.920000	2.440000
75	00:26:22	150.320000	-3.850000	3.310000	-4.080000	2.200000
76	00:32:08	150.319000	-6.220000	5.810000	-4.560000	3.180000
77						
78	00:39:54	120.292000	0.930000	1.380000	-2.210000	3.640000
79	00:45:45	126.265000	-0.110000	2.140000	-4.290000	1.160000
80	00:51:35	132.339000	0.880000	0.670000	-4.090000	0.210000
81	00:57:26	138.295000	-5.830000	4.950000	-4.000000	1.480000
82	01:03:17	144.321000	-8.080000	4.000000	-3.840000	1.210000
83	01:09:07	150.319000	3.800000	3.990000	7.930000	7.590000
84	01:14:54	150.320000	-7.780000	6.360000	10.230000	15.620000
85	01:20:42	150.320000	-3.950000	5.390000	-3.970000	2.740000
86	01:26:28	150.319000	2.320000	6.230000	-2.800000	6.400000
87	01:32:15	150.320000	-7.110000	7.720000	0.520000	13.780000
88	01:38:02	150.319000	-4.560000	3.130000	-1.000000	6.610000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
45	24.172089	24.527162	23.163330	25.001220	23.945465	0.500000
46	24.181976	24.491303	23.110473	25.004820	23.937010	0.500000
47	24.151794	24.447875	23.077882	25.000243	23.927185	0.500000
48	24.110503	24.426665	23.064943	25.004363	23.917815	0.500000
49	24.173552	24.474761	23.104369	25.005126	23.924745	0.500000
50	24.198608	24.526184	23.131499	25.005768	23.934541	0.500000
51	24.140105	24.506317	23.122163	25.008239	23.936768	0.500000
52	24.300811	24.464631	23.072447	25.011354	23.923950	0.500000
53	24.208617	24.442781	23.031859	25.013917	23.911529	0.500000
54	24.106414	24.390747	23.009370	25.014739	23.894806	0.500000
55	24.154815	24.140106	23.010498	25.014313	23.847472	0.500000
56	24.122955	23.921724	23.030273	25.008423	23.772003	0.500000
57	24.172668	24.048524	23.071351	25.003845	23.776215	0.500000
58	24.161682	24.155089	23.074432	25.006988	23.781312	0.500000
59	24.024901	24.202666	23.041473	25.001099	23.784853	0.500000
60	24.141540	24.289550	23.012816	25.002809	23.795167	0.500000
61	24.155945	24.380463	22.983429	24.999176	23.811737	0.500000
62	24.163818	24.365144	22.972991	25.003266	23.807159	0.500000
63	24.194030	24.354553	22.951323	25.005950	23.798797	0.500000
64	24.246795	24.355102	22.944672	25.009734	23.793640	0.500000
65	24.026122	24.349486	22.973145	25.003143	23.795166	0.500000
66	24.207243	24.422698	23.034912	25.008361	23.811707	0.500000
67	24.264373	24.474425	23.080812	25.008544	23.832428	0.500000
68	24.127106	24.459718	23.053680	25.007903	23.838927	0.500000
69	24.128570	24.423096	23.008729	25.010071	23.836486	0.500000
70	24.286742	24.381346	22.981811	25.018095	23.828400	0.500000
71	24.203948	24.398561	23.016142	25.014190	23.828368	0.500000
72	24.076933	24.421265	23.049102	25.015196	23.842226	0.500000
73	24.105224	24.419677	23.025635	25.016602	23.843016	0.500000
74	24.080047	24.349244	22.958831	25.020689	23.824769	0.500000
75	24.087462	24.314575	22.920380	25.012421	23.811187	0.500000
76	24.148011	24.325134	22.936005	25.016511	23.802490	0.500000
77	24.189910	24.089112	22.944610	25.013701	23.756592	0.500000
78	24.081878	23.851624	22.946777	25.012055	23.682678	0.500000
79	24.105834	23.922545	22.936311	25.012695	23.671966	0.500000
80	24.054381	23.994812	22.916748	25.006714	23.665251	0.500000
81	24.098448	24.127656	22.951782	25.002868	23.678926	0.500000
82	24.132781	24.279723	22.991881	25.006012	23.712584	0.500000
83	24.208984	24.389801	22.988402	25.009002	23.745605	0.500000
84	24.215729	24.343904	22.942290	25.008177	23.743959	0.500000
85	24.161102	24.320158	22.905975	25.009704	23.733551	0.500000
86	24.116637	24.310852	22.912964	25.006592	23.736877	0.500000
87	24.041931	24.365265	22.958770	25.009369	23.751190	0.500000
88	24.251952	24.400146	22.990997	25.010865	23.761933	0.500000

	3-HeidenhainL(um	14-coil-H20in(C)	ltage across termin
45	0.500000	1.363832	4.101000e-3
46	0.500000	1.380830	4.101000e-3
47	0.500000	1.369993	4.101000e-3
48	0.500000	1.361722	4.100000e-3
49	0.500000	1.370392	4.102000e-3
50	0.500000	1.394685	4.101000e-3
51	0.500000	1.384154	4.100000e-3
52	0.500000	1.392184	4.101000e-3
53	0.500000	1.410922	4.100000e-3
54	0.500000	1.381377	4.100000e-3
55	0.500000	1.129608	2.174000e-3
56	0.500000	0.891451	3.272000e-3
57	0.500000	0.977173	3.436000e-3
58	0.500000	1.080657	3.603000e-3
59	0.500000	1.161193	3.767000e-3
60	0.500000	1.276734	3.933000e-3
61	0.500000	1.397034	4.099000e-3
62	0.500000	1.392153	4.100000e-3
63	0.500000	1.403230	4.099000e-3
64	0.500000	1.410430	4.099000e-3
65	0.500000	1.376341	4.099000e-3
66	0.500000	1.387786	4.101000e-3
67	0.500000	1.393613	4.101000e-3
68	0.500000	1.406038	4.100000e-3
69	0.500000	1.414367	4.100000e-3
70	0.500000	1.399535	4.100000e-3
71	0.500000	1.382419	4.100000e-3
72	0.500000	1.372163	4.101000e-3
73	0.500000	1.394042	4.101000e-3
74	0.500000	1.390413	4.100000e-3
75	0.500000	1.394195	4.099000e-3
76	0.500000	1.389129	4.100000e-3
77	0.500000	1.144502	2.174000e-3
78	1.000000	0.904847	3.271000e-3
79	1.000000	0.986234	3.435000e-3
80	1.000000	1.078064	3.602000e-3
81	1.000000	1.175874	3.766000e-3
82	1.000000	1.287842	3.933000e-3
83	1.000000	1.401399	4.100000e-3
84	0.500000	1.401614	4.099000e-3
85	0.500000	1.414183	4.099000e-3
86	0.500000	1.397888	4.099000e-3
87	0.500000	1.406495	4.100000e-3
88	0.500000	1.409149	4.101000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
89	01:43:49	150.320000	-17.430000	10.570000	-3.310000	5.110000
90	01:49:37	150.320000	-27.820000	4.960000	-3.920000	5.110000
91	01:55:25	150.320000	-26.890000	9.890000	-4.500000	5.050000
92	02:01:12	150.319000	-20.770000	3.790000	-5.100000	2.130000
93	02:07:00	150.320000	-7.790000	1.410000	-4.500000	3.220000
94	02:12:47	150.319000	-11.350000	6.070000	-2.680000	1.820000
95	02:18:36	150.320000	-15.550000	6.850000	-1.390000	3.880000
96	02:24:23	150.320000	-4.480000	4.400000	-4.010000	2.780000
97	02:30:10	150.320000	-6.940000	4.840000	-5.030000	1.750000
98	02:35:56	150.320000	-1.690000	2.690000	-4.750000	1.180000
99						
100	02:43:44	120.292000	-0.110000	1.870000	-2.380000	1.700000
101	02:49:35	126.266000	1.510000	3.640000	0.590000	4.160000
102	02:55:26	132.340000	0.820000	1.980000	-3.310000	1.700000
103	03:01:17	138.295000	3.520000	2.100000	-2.850000	1.590000
104	03:07:07	144.322000	1.210000	0.880000	-5.140000	0.610000
105	03:12:58	150.319000	1.430000	1.380000	-4.790000	1.260000
106	03:18:46	150.319000	-0.630000	0.390000	-5.180000	0.710000
107	03:24:34	150.320000	-5.610000	2.110000	-3.000000	1.660000
108	03:30:22	150.319000	-12.810000	1.660000	0.270000	3.160000
109	03:36:10	150.320000	-13.600000	4.090000	-4.590000	2.380000
110	03:41:58	150.320000	-24.120000	11.880000	-2.790000	4.020000
111	03:47:46	150.320000	-14.910000	11.450000	-4.110000	3.420000
112	03:53:34	150.319000	-14.550000	1.720000	-5.140000	0.720000
113	03:59:22	150.320000	-1.750000	4.250000	-3.980000	4.810000
114	04:05:09	150.320000	-1.480000	5.050000	-5.160000	1.690000
115	04:10:57	150.320000	5.140000	11.130000	0.110000	12.900000
116	04:16:45	150.320000	13.740000	12.050000	2.180000	7.810000
117	04:22:32	150.320000	21.120000	9.250000	13.420000	9.450000
118	04:28:20	150.320000	-0.580000	7.230000	3.330000	8.130000
119	04:34:08	150.320000	1.860000	2.520000	-2.420000	5.170000
120	04:39:55	150.319000	0.040000	1.780000	-4.370000	1.020000
121						
122	04:47:44	120.291000	0.790000	0.340000	-3.740000	0.180000
123	04:53:36	126.265000	-4.090000	3.190000	-4.260000	1.650000
124	04:59:27	132.340000	-9.550000	8.070000	-2.220000	8.570000
125	05:05:19	138.296000	0.870000	0.620000	-4.440000	0.390000
126	05:11:11	144.323000	-11.540000	9.630000	-4.560000	4.080000
127	05:17:03	150.320000	-7.430000	5.660000	-4.080000	1.930000
128	05:22:52	150.320000	-22.940000	6.530000	-3.570000	3.060000
129	05:28:40	150.319000	-17.900000	9.570000	-2.930000	5.170000
130	05:34:29	150.320000	-3.350000	2.200000	-4.870000	2.000000
131	05:40:17	150.320000	-4.570000	1.720000	-5.380000	0.510000
132	05:46:04	150.320000	0.410000	4.550000	-2.940000	5.080000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
89	24.250550	24.370269	22.969757	25.015779	23.768249	0.500000
90	24.144623	24.320921	22.914702	25.016632	23.754699	0.500000
91	24.093933	24.284636	22.881380	25.014679	23.744569	0.500000
92	24.086425	24.289735	22.886780	25.015349	23.739076	0.500000
93	24.178955	24.315582	22.926850	25.021972	23.742308	0.500000
94	24.172546	24.345093	22.940704	25.023620	23.749451	0.500000
95	24.113249	24.318879	22.908569	25.016785	23.744903	0.500000
96	24.223358	24.293581	22.875428	25.024324	23.735077	0.500000
97	24.158446	24.297486	22.904237	25.025971	23.735747	0.500000
98	24.114012	24.333374	22.925477	25.025573	23.741486	0.500000
99	24.169433	24.079895	22.917419	25.025116	23.695190	0.500000
100	24.205870	23.777861	22.866883	25.023560	23.610777	0.500000
101	24.170136	23.832398	22.857056	25.022645	23.593019	0.500000
102	24.130585	23.981691	22.893187	25.023742	23.603668	0.500000
103	24.059967	24.077759	22.896514	25.019011	23.617644	0.500000
104	24.164001	24.169342	22.879118	25.022889	23.636170	0.500000
105	24.053039	24.269624	22.879576	25.017915	23.657990	0.500000
106	24.174804	24.288756	22.904084	25.022430	23.672699	0.500000
107	24.168181	24.288878	22.882171	25.023102	23.675048	0.500000
108	24.207243	24.284911	22.871794	25.022339	23.675721	0.500000
109	24.142060	24.294190	22.902953	25.022339	23.686586	0.500000
110	24.108917	24.307619	22.908814	25.020172	23.694396	0.500000
111	24.106719	24.296661	22.887542	25.022521	23.694915	0.500000
112	24.052855	24.275208	22.862640	25.024535	23.691528	0.500000
113	24.235198	24.291230	22.878143	25.023713	23.692536	0.500000
114	24.176268	24.302674	22.897675	25.023041	23.702330	0.500000
115	24.061217	24.297333	22.885742	25.028228	23.708008	0.500000
116	24.131531	24.264252	22.872040	25.027832	23.696532	0.500000
117	24.267425	24.283143	22.871398	25.031586	23.697022	0.500000
118	24.234528	24.294191	22.886474	25.030884	23.700408	0.500000
119	24.132874	24.254333	22.847778	25.024446	23.694549	0.500000
120	24.130644	24.221558	22.805024	25.027923	23.679504	0.500000
121	24.177613	23.969452	22.794098	25.026551	23.630676	0.500000
122	24.077453	23.679261	22.776153	25.020661	23.545043	0.500000
123	24.067656	23.747345	22.753113	25.020966	23.527864	0.500000
124	24.107940	23.823394	22.726135	25.022462	23.511962	0.500000
125	24.120361	23.918824	22.724394	25.015196	23.510590	0.500000
126	24.085998	24.052430	22.764618	25.014527	23.534058	0.500000
127	24.128203	24.229063	22.824096	25.017732	23.567261	0.500000
128	24.139525	24.306579	22.888978	25.019379	23.598969	0.500000
129	24.225220	24.319641	22.894806	25.022827	23.618532	0.500000
130	24.230773	24.231505	22.800079	25.023103	23.612823	0.500000
131	24.300599	24.071441	22.643647	25.027314	23.567900	0.500000
132	24.260253	23.936705	22.508576	25.033417	23.516694	0.500000

	3-HeidenhainL(um	14-coil-H20in(C)	ltage across termin
89	0.500000	1.400512	4.100000e-3
90	0.500000	1.406219	4.099000e-3
91	0.500000	1.403256	4.099000e-3
92	0.500000	1.402955	4.100000e-3
93	0.500000	1.388732	4.100000e-3
94	0.500000	1.404389	4.100000e-3
95	0.500000	1.410310	4.099000e-3
96	0.500000	1.418153	4.099000e-3
97	0.500000	1.393249	4.100000e-3
98	0.500000	1.407897	4.100000e-3
99	0.500000	1.162476	2.174000e-3
100	1.000000	0.910978	3.271000e-3
101	1.000000	0.975342	3.435000e-3
102	1.000000	1.088504	3.602000e-3
103	1.000000	1.181245	3.766000e-3
104	1.000000	1.290224	3.933000e-3
105	1.000000	1.390048	4.099000e-3
106	1.000000	1.384672	4.100000e-3
107	1.000000	1.406707	4.100000e-3
108	1.000000	1.413117	4.100000e-3
109	1.000000	1.391237	4.100000e-3
110	0.500000	1.398805	4.100000e-3
111	0.500000	1.409119	4.100000e-3
112	0.500000	1.412568	4.100000e-3
113	0.500000	1.413087	4.100000e-3
114	0.500000	1.404999	4.100000e-3
115	0.500000	1.411591	4.100000e-3
116	0.500000	1.392212	4.100000e-3
117	0.500000	1.411745	4.100000e-3
118	0.500000	1.407717	4.100000e-3
119	0.500000	1.406555	4.099000e-3
120	0.500000	1.416534	4.100000e-3
121	1.000000	1.175354	2.173000e-3
122	1.000000	0.903108	3.271000e-3
123	1.000000	0.994232	3.434000e-3
124	1.000000	1.097259	3.601000e-3
125	1.000000	1.194430	3.765000e-3
126	1.000000	1.287812	3.932000e-3
127	1.000000	1.404967	4.099000e-3
128	1.000000	1.417601	4.100000e-3
129	1.000000	1.424835	4.100000e-3
130	1.000000	1.431426	4.099000e-3
131	1.000000	1.427794	4.097000e-3
132	1.000000	1.428129	4.096000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
133	05:51:52	150.319000	1.170000	0.170000	-4.930000	0.270000
134	05:57:40	150.320000	2.090000	0.630000	-4.570000	0.690000
135	06:03:27	150.320000	1.600000	0.170000	-4.690000	0.120000
136	06:09:15	150.320000	1.520000	0.090000	-4.650000	0.060000
137	06:15:03	150.320000	1.230000	0.290000	-4.500000	0.130000
138	06:20:50	150.319000	0.610000	0.620000	-4.680000	0.500000
139	06:27:06	150.320000	0.770000	1.310000	-4.020000	1.260000
140	06:32:54	150.320000	-3.020000	3.290000	-4.410000	1.830000
141	06:38:42	150.320000	1.750000	0.910000	-4.320000	1.120000
142	06:44:30	150.320000	5.830000	3.270000	-0.580000	4.660000
143						
144	06:52:18	120.291000	13.170000	7.130000	3.740000	7.340000
145	06:58:10	126.266000	8.450000	4.310000	-0.550000	3.220000
146	07:04:02	132.340000	12.380000	8.390000	3.150000	8.460000
147	07:09:54	138.296000	7.390000	3.450000	3.020000	4.330000
148	07:15:45	144.322000	19.010000	14.970000	-0.700000	9.210000
149	07:21:38	150.321000	39.860000	10.400000	18.570000	9.930000
150	07:27:26	150.320000	22.500000	12.180000	8.170000	14.300000
151	07:33:15	150.320000	7.310000	6.110000	-1.770000	6.040000
152	07:39:03	150.319000	1.360000	0.220000	-4.180000	0.220000
153	07:44:51	150.320000	1.680000	0.160000	-4.270000	0.070000
154	07:50:40	150.320000	2.980000	1.310000	-4.390000	0.580000
155	07:56:27	150.320000	1.340000	0.100000	-4.720000	0.080000
156	08:02:16	150.320000	1.520000	0.080000	-4.710000	0.070000
157	08:08:32	150.319000	1.640000	0.340000	-4.280000	0.590000
158	08:14:20	150.320000	1.600000	0.060000	-4.780000	0.130000
159	08:20:08	150.320000	1.510000	0.040000	-4.700000	0.020000
160	08:25:57	150.319000	1.590000	0.040000	-4.760000	0.020000
161	08:31:45	150.320000	1.640000	0.050000	-4.780000	0.060000
162	08:37:34	150.320000	1.420000	0.050000	-5.100000	0.100000
163	08:43:22	150.321000	1.370000	0.080000	-5.350000	0.040000
164	08:49:10	150.320000	1.330000	0.080000	-5.230000	0.080000
165						
166	08:56:59	120.291000	1.050000	0.100000	-3.470000	0.040000
167	09:02:51	126.265000	1.000000	0.040000	-3.810000	0.060000
168	09:08:43	132.340000	1.180000	0.030000	-4.120000	0.040000
169	09:14:35	138.296000	1.390000	0.070000	-4.630000	0.050000
170	09:20:27	144.322000	1.620000	0.050000	-5.140000	0.060000
171	09:26:18	150.320000	1.500000	0.040000	-5.540000	0.070000
172	09:32:06	150.320000	1.460000	0.060000	-5.510000	0.030000
173	09:37:54	150.320000	1.390000	0.020000	-5.710000	0.070000
174	09:43:41	150.320000	1.260000	0.080000	-5.620000	0.110000
175	09:49:29	150.320000	1.360000	0.140000	-5.440000	0.070000
176	09:55:17	150.321000	1.310000	0.040000	-5.200000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
133	24.156494	23.829925	22.415741	25.032744	23.460083	0.500000
134	24.223937	23.790679	22.374969	25.031496	23.414581	0.500000
135	24.150300	23.810088	22.399109	25.036254	23.385071	0.500000
136	24.172120	23.868896	22.457245	25.030487	23.378327	0.500000
137	24.167754	23.925719	22.507873	25.034089	23.373504	1.000000
138	24.154784	23.980743	22.575621	25.032196	23.384309	1.000000
139	24.149565	24.019807	22.593658	25.034853	23.391692	1.000000
140	24.116089	23.994599	22.569612	25.036346	23.398195	0.500000
141	24.183807	23.987823	22.569122	25.036683	23.391997	0.500000
142	24.249358	24.010590	22.595245	25.037170	23.399322	0.500000
143	24.069335	23.773437	22.601898	25.031617	23.357392	0.500000
144	24.063842	23.519408	22.619782	25.033354	23.291106	1.000000
145	24.079773	23.657317	22.652283	25.034027	23.303071	1.000000
146	24.151275	23.753236	22.653657	25.031007	23.317993	1.000000
147	24.082856	23.772798	22.556549	25.030182	23.314299	1.000000
148	24.195220	23.786773	22.475953	25.028595	23.303955	1.000000
149	24.139924	23.838591	22.421569	25.026277	23.297699	1.000000
150	24.136657	23.825288	22.408662	25.025849	23.287354	1.000000
151	24.051086	23.873017	22.467378	25.025666	23.293915	1.000000
152	24.206328	23.977783	22.562012	25.031311	23.316802	1.000000
153	24.175171	24.096984	22.684721	25.029387	23.361359	1.000000
154	24.231078	24.236177	22.828949	25.031953	23.414306	1.000000
155	24.194550	24.343993	22.918548	25.038362	23.486542	0.500000
156	24.305024	24.377989	22.949493	25.045990	23.527863	0.500000
157	24.311890	24.387145	22.976165	25.044036	23.574310	0.500000
158	24.284667	24.442535	23.032928	25.050660	23.620269	0.500000
159	24.278106	24.530092	23.114380	25.056457	23.690248	0.500000
160	24.325530	24.572815	23.149903	25.060577	23.732300	0.500000
161	24.267210	24.598999	23.186219	25.058167	23.777345	0.500000
162	24.290344	24.650847	23.237000	25.066132	23.831787	0.500000
163	24.416778	24.723878	23.300872	25.074126	23.882232	0.500000
164	24.394805	24.773803	23.359253	25.079894	23.934845	0.500000
165	24.315154	24.546692	23.365020	25.082366	23.901978	0.000000
166	24.280152	24.276213	23.368346	25.085235	23.866699	0.500000
167	24.266021	24.373106	23.368867	25.081909	23.895569	0.500000
168	24.238038	24.460023	23.369140	25.094666	23.925720	0.500000
169	24.317078	24.603639	23.416076	25.096956	23.975282	0.500000
170	24.396636	24.816833	23.515105	25.098084	24.040710	0.500000
171	24.315674	25.008912	23.603911	25.100891	24.136474	0.500000
172	24.363799	25.045898	23.616334	25.107269	24.179261	0.000000
173	24.499237	24.952455	23.526092	25.119812	24.199156	0.000000
174	24.345703	24.814300	23.373961	25.116424	24.185669	0.000000
175	24.445343	24.648590	23.216888	25.126739	24.139100	0.000000
176	24.372863	24.551849	23.123200	25.133330	24.096558	0.000000

	3-HeidenhainL(um	14-coil-H20in(C)	ltage across termin
133	1.000000	1.414184	4.096000e-3
134	1.000000	1.415710	4.094000e-3
135	1.000000	1.410979	4.095000e-3
136	1.000000	1.411651	4.096000e-3
137	1.000000	1.417846	4.096000e-3
138	1.000000	1.405122	4.097000e-3
139	1.000000	1.426149	4.098000e-3
140	1.000000	1.424987	4.097000e-3
141	1.000000	1.418701	4.097000e-3
142	1.000000	1.415345	4.097000e-3
143	1.000000	1.171539	2.172000e-3
144	1.500000	0.899626	3.270000e-3
145	1.500000	1.005034	3.434000e-3
146	1.500000	1.099579	3.600000e-3
147	1.500000	1.216249	3.764000e-3
148	1.500000	1.310820	3.930000e-3
149	1.000000	1.417022	4.094000e-3
150	1.000000	1.416626	4.095000e-3
151	1.000000	1.405639	4.095000e-3
152	1.000000	1.415771	4.097000e-3
153	1.000000	1.412263	4.099000e-3
154	1.000000	1.407228	4.100000e-3
155	1.000000	1.425445	4.101000e-3
156	1.000000	1.428496	4.101000e-3
157	1.000000	1.410980	4.101000e-3
158	1.000000	1.409607	4.102000e-3
159	1.000000	1.415712	4.103000e-3
160	0.500000	1.422912	4.104000e-3
161	0.500000	1.412780	4.104000e-3
162	0.500000	1.413847	4.105000e-3
163	0.500000	1.423006	4.105000e-3
164	0.500000	1.414550	4.106000e-3
165	0.500000	1.181672	2.177000e-3
166	0.500000	0.907867	3.276000e-3
167	0.500000	1.004239	3.440000e-3
168	0.500000	1.090883	3.608000e-3
169	0.500000	1.187563	3.773000e-3
170	0.500000	1.301728	3.941000e-3
171	0.500000	1.405001	4.108000e-3
172	0.000000	1.429564	4.108000e-3
173	0.000000	1.426363	4.108000e-3
174	0.000000	1.440339	4.105000e-3
175	0.000000	1.431702	4.104000e-3
176	0.000000	1.428649	4.103000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
177	10:01:04	150.321000	1.320000	0.340000	-5.280000	0.130000
178	10:06:52	150.320000	1.480000	0.150000	-5.230000	0.110000
179	10:12:39	150.321000	1.650000	0.060000	-5.110000	0.040000
180	10:18:26	150.320000	1.390000	0.330000	-5.100000	0.140000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
177	24.372985	24.552856	23.140045	25.143829	24.073730	0.000000
178	24.589295	24.660461	23.247528	25.157440	24.081146	0.500000
179	24.515655	24.814606	23.403442	25.168762	24.123167	0.500000
180	24.634919	24.987367	23.576172	25.187561	24.182922	0.500000

	3-HeidenhainL(um	14-coil-H20in(C)	ltage across termin
177	0.000000	1.412811	4.103000e-3
178	0.000000	1.412933	4.105000e-3
179	0.000000	1.411164	4.107000e-3
180	0.000000	1.411195	4.108000e-3