

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
1	16:33:41	133.283000	-8.110000	0.060000	10.660000	0.080000
2	16:39:30	133.283000	-8.220000	0.010000	10.520000	0.050000
3	16:45:18	133.283000	-8.360000	0.030000	10.460000	0.060000
4	16:51:07	133.283000	-8.460000	0.030000	10.590000	0.060000
5	16:56:55	133.283000	-8.260000	0.060000	10.520000	0.120000
6	17:02:44	133.283000	-8.130000	0.040000	10.690000	0.040000
7	17:08:32	133.283000	-8.070000	0.040000	10.790000	0.040000
8	17:14:21	133.284000	-8.180000	0.060000	10.640000	0.040000
9	17:20:09	133.284000	-8.220000	0.050000	10.590000	0.060000
10	17:25:57	133.284000	-8.210000	0.040000	10.480000	0.040000
11	17:31:44	133.284000	-8.240000	0.060000	10.540000	0.050000
12	17:37:32	133.283000	-8.160000	0.020000	10.590000	0.020000
13	17:43:20	133.283000	-8.020000	0.030000	10.460000	0.040000
14	17:49:08	133.283000	-8.100000	0.020000	10.510000	0.050000
15	17:54:55	133.283000	-8.120000	0.050000	10.430000	0.020000
16	18:00:44	133.283000	-8.210000	0.010000	10.700000	0.050000
17	18:06:31	133.284000	-8.200000	0.050000	10.680000	0.040000
18	18:12:19	133.284000	-8.170000	0.100000	10.780000	0.050000
19	18:18:08	133.284000	-7.910000	0.060000	10.600000	0.110000
20	18:23:56	133.284000	-8.090000	0.020000	10.550000	0.070000
21	18:29:45	133.284000	-8.110000	0.040000	10.380000	0.020000
22	18:35:33	133.283000	-8.080000	0.050000	10.340000	0.060000
23	18:41:21	133.284000	-8.060000	0.040000	10.470000	0.040000
24	18:47:09	133.284000	-8.080000	0.030000	10.640000	0.040000
25	18:52:57	133.284000	-7.770000	0.060000	10.590000	0.060000
26	18:58:44	133.284000	-7.860000	0.070000	10.340000	0.080000
27	19:04:32	133.284000	-7.900000	0.070000	10.140000	0.060000
28	19:10:20	133.284000	-7.940000	0.040000	10.240000	0.070000
29	19:16:09	133.285000	-7.970000	0.030000	10.360000	0.050000
30	19:21:56	133.284000	-8.030000	0.060000	10.640000	0.030000
31	19:27:44	133.284000	-8.030000	0.040000	10.660000	0.060000
32	19:33:33	133.284000	-7.960000	0.080000	10.390000	0.050000
33	19:39:21	133.284000	-7.860000	0.050000	10.360000	0.070000
34	19:45:09	133.284000	-7.980000	0.050000	10.170000	0.020000
35	19:50:58	133.284000	-8.040000	0.020000	10.400000	0.030000
36	19:56:46	133.283000	-7.890000	0.010000	10.290000	0.020000
37	20:02:34	133.284000	-7.990000	0.020000	10.590000	0.070000
38	20:08:23	133.283000	-7.950000	0.060000	10.570000	0.070000
39	20:14:12	133.284000	-7.780000	0.040000	10.370000	0.080000
40	20:20:03	133.284000	-7.960000	0.050000	10.370000	0.100000
41	20:25:54	133.284000	-7.930000	0.020000	10.330000	0.060000
42	20:31:43	133.284000	-7.900000	0.030000	10.520000	0.070000
43	20:37:34	133.284000	-7.820000	0.050000	10.490000	0.020000
44	20:43:22	133.284000	-7.840000	0.080000	10.450000	0.060000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um)
1	24.973785	24.509094	23.473968	25.742004	23.902955	0.000000
2	25.033631	24.521605	23.459564	25.744872	23.930573	0.000000
3	25.127868	24.529756	23.474489	25.749908	23.952575	0.000000
4	25.157806	24.580751	23.528380	25.755829	23.983398	0.000000
5	25.150940	24.655518	23.606384	25.763976	24.022918	0.000000
6	25.200896	24.701875	23.652711	25.773956	24.061554	0.000000
7	25.249419	24.704042	23.647582	25.784118	24.088288	0.000000
8	25.229523	24.664885	23.607331	25.792756	24.097901	0.000000
9	25.302429	24.637847	23.567169	25.812746	24.101685	0.000000
10	25.265045	24.574953	23.503906	25.823823	24.090943	0.000000
11	25.238831	24.529724	23.471405	25.833161	24.074280	0.000000
12	25.278534	24.554505	23.499237	25.842224	24.077727	0.000000
13	25.285828	24.619689	23.559509	25.850800	24.098327	0.000000
14	25.283234	24.660429	23.607331	25.858948	24.110628	0.000000
15	25.263855	24.654573	23.604004	25.865325	24.127472	0.000000
16	25.270385	24.617188	23.551393	25.872588	24.124573	0.000000
17	25.259368	24.545503	23.495268	25.877107	24.101899	0.000000
18	25.300383	24.504303	23.443360	25.885162	24.084594	0.000000
19	25.236449	24.481445	23.426576	25.888734	24.066529	0.000000
20	25.282654	24.515013	23.454651	25.894408	24.071413	0.000000
21	25.299162	24.564666	23.508423	25.904541	24.074738	0.000000
22	25.360350	24.607696	23.540314	25.913543	24.086639	0.000000
23	25.283966	24.574464	23.500244	25.921599	24.082032	0.000000
24	25.262420	24.498839	23.425842	25.927672	24.060394	0.000000
25	25.288665	24.420288	23.341980	25.932250	24.029724	0.000000
26	25.302643	24.383788	23.324311	25.935454	24.002044	0.000000
27	25.193755	24.398561	23.348388	25.938447	23.983033	0.000000
28	25.203094	24.454131	23.408019	25.940614	23.991026	0.000000
29	25.212035	24.498354	23.434205	25.940826	24.006410	0.000000
30	25.140807	24.479859	23.409119	25.940521	23.999664	0.000000
31	25.163116	24.407044	23.343749	25.937958	23.980012	0.000000
32	25.124480	24.318237	23.259705	25.936158	23.946167	0.000000
33	25.130646	24.251647	23.196474	25.930907	23.911806	0.000000
34	25.052123	24.241852	23.192322	25.925781	23.885436	0.000000
35	25.082917	24.280458	23.226746	25.921541	23.881773	0.000000
36	25.081419	24.322389	23.271089	25.915955	23.880463	0.500000
37	24.966094	24.319579	23.260255	25.905700	23.884155	0.500000
38	24.957091	24.265961	23.195068	25.897186	23.860169	0.500000
39	24.971008	24.168091	23.101134	25.887541	23.823058	0.500000
40	24.990019	24.114838	23.045929	25.877412	23.791136	0.500000
41	24.899444	24.106781	23.061981	25.865173	23.763854	0.500000
42	24.905822	24.120421	23.096466	25.853730	23.747863	0.500000
43	24.846527	24.165924	23.110566	25.846191	23.752014	0.500000
44	24.863250	24.174683	23.122863	25.833435	23.747132	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
1	-0.500000	1.035126	3.641000e-3
2	-0.500000	1.062041	3.642000e-3
3	-0.500000	1.055267	3.642000e-3
4	-0.500000	1.052371	3.643000e-3
5	-0.500000	1.049134	3.644000e-3
6	-0.500000	1.049164	3.644000e-3
7	-0.500000	1.056460	3.644000e-3
8	-0.500000	1.057554	3.644000e-3
9	-0.500000	1.070678	3.643000e-3
10	-0.500000	1.071047	3.643000e-3
11	-0.500000	1.058319	3.643000e-3
12	-0.500000	1.055268	3.643000e-3
13	-0.500000	1.060180	3.644000e-3
14	-0.500000	1.053098	3.644000e-3
15	-0.500000	1.050569	3.644000e-3
16	-0.500000	1.065795	3.644000e-3
17	-0.500000	1.050235	3.643000e-3
18	-0.500000	1.060943	3.642000e-3
19	-0.500000	1.054869	3.642000e-3
20	-0.500000	1.060362	3.643000e-3
21	-0.500000	1.056243	3.644000e-3
22	-0.500000	1.067382	3.644000e-3
23	-0.500000	1.074220	3.643000e-3
24	-0.500000	1.072997	3.643000e-3
25	-0.500000	1.078308	3.641000e-3
26	-0.500000	1.059477	3.642000e-3
27	-0.500000	1.050173	3.642000e-3
28	-0.500000	1.046112	3.643000e-3
29	-0.500000	1.064149	3.643000e-3
30	-0.500000	1.070740	3.643000e-3
31	-0.500000	1.063295	3.642000e-3
32	-0.500000	1.058532	3.641000e-3
33	-0.500000	1.055173	3.640000e-3
34	-0.500000	1.049530	3.641000e-3
35	0.000000	1.053712	3.641000e-3
36	0.000000	1.051300	3.642000e-3
37	0.000000	1.059324	3.642000e-3
38	0.000000	1.070893	3.640000e-3
39	0.000000	1.066957	3.640000e-3
40	0.000000	1.068909	3.640000e-3
41	0.000000	1.044800	3.639000e-3
42	0.000000	1.023955	3.640000e-3
43	0.000000	1.055358	3.640000e-3
44	0.000000	1.051820	3.640000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
45	20:49:10	133.284000	-7.940000	0.030000	10.360000	0.050000
46	20:54:59	133.284000	-7.920000	0.080000	10.420000	0.090000
47	21:00:48	133.284000	-7.910000	0.050000	10.380000	0.100000
48	21:06:36	133.284000	-7.870000	0.060000	10.370000	0.110000
49	21:12:24	133.284000	-7.870000	0.040000	10.350000	0.050000
50	21:18:12	133.284000	-7.780000	0.050000	10.340000	0.060000
51	21:24:01	133.284000	-7.750000	0.050000	10.410000	0.060000
52	21:29:50	133.284000	-7.840000	0.030000	10.530000	0.060000
53	21:35:38	133.285000	-7.870000	0.060000	10.590000	0.030000
54						
55	22:01:51	133.284000	-7.710000	0.080000	10.660000	0.090000
56	22:07:38	133.283000	-7.830000	0.010000	10.670000	0.070000
57	22:13:25	133.284000	-7.790000	0.030000	10.600000	0.060000
58	22:19:13	133.284000	-7.790000	0.070000	10.650000	0.050000
59	22:25:02	133.284000	-7.730000	0.030000	10.830000	0.030000
60	22:30:48	133.284000	-7.710000	0.060000	10.950000	0.030000
61	22:36:36	133.283000	-7.580000	0.060000	10.870000	0.090000
62	22:42:25	133.284000	-7.740000	0.030000	10.880000	0.060000
63	22:48:13	133.282000	-7.860000	0.030000	10.790000	0.040000
64	22:54:00	133.283000	-7.760000	0.080000	10.950000	0.040000
65	22:59:48	133.284000	-7.890000	0.040000	10.860000	0.060000
66	23:05:35	133.284000	-7.750000	0.050000	10.960000	0.050000
67	23:11:22	133.284000	-7.750000	0.040000	11.030000	0.060000
68	23:17:10	133.283000	-7.840000	0.070000	11.010000	0.060000
69	23:22:58	133.284000	-7.830000	0.040000	10.910000	0.080000
70	23:28:46	133.283000	-7.920000	0.090000	11.080000	0.070000
71	23:34:34	133.284000	-7.880000	0.060000	11.110000	0.060000
72	23:40:21	133.283000	-7.890000	0.050000	11.270000	0.120000
73	23:46:09	133.284000	-7.610000	0.050000	11.390000	0.100000
74	23:51:57	133.284000	-7.900000	0.080000	11.270000	0.070000
75	23:57:45	133.283000	-7.810000	0.070000	11.220000	0.060000
76	00:03:32	133.284000	-7.870000	0.020000	11.460000	0.010000
77	00:09:20	133.283000	-7.830000	0.060000	11.350000	0.060000
78	00:15:08	133.284000	-7.760000	0.050000	11.390000	0.020000
79	00:20:55	133.283000	-7.840000	0.020000	11.650000	0.030000
80	00:26:42	133.284000	-7.840000	0.030000	11.830000	0.070000
81	00:32:29	133.284000	-7.810000	0.030000	11.900000	0.130000
82	00:38:16	133.283000	-7.890000	0.020000	11.920000	0.040000
83	00:44:03	133.283000	-7.860000	0.020000	11.820000	0.050000
84	00:49:51	133.283000	-7.790000	0.030000	11.950000	0.050000
85	00:55:40	133.283000	-7.790000	0.030000	11.960000	0.060000
86	01:01:27	133.284000	-7.750000	0.030000	11.780000	0.050000
87	01:07:14	133.284000	-7.890000	0.090000	11.730000	0.050000
88	01:13:03	133.283000	-7.810000	0.030000	12.010000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
45	24.749512	24.139494	23.075346	25.822206	23.735872	0.500000
46	24.857025	24.053956	22.981446	25.810395	23.701904	0.500000
47	24.810028	23.973480	22.908661	25.797028	23.663726	0.500000
48	24.788451	23.935241	22.878479	25.786043	23.629577	0.500000
49	24.689025	23.934999	22.881959	25.772980	23.604521	0.500000
50	24.689056	23.960114	22.899260	25.763275	23.591095	0.500000
51	24.653410	23.985748	22.935091	25.748291	23.587279	0.500000
52	24.715638	24.015992	22.968382	25.732483	23.589262	0.500000
53	24.690308	24.037567	22.993255	25.718294	23.590729	0.500000
54						
55	24.565460	23.794770	22.741608	25.660615	23.472658	0.500000
56	24.548828	23.805910	22.746367	25.649446	23.461547	0.500000
57	24.567077	23.832155	22.771516	25.636476	23.453248	0.500000
58	24.583067	23.860138	22.810700	25.621063	23.449523	0.500000
59	24.554443	23.892517	22.841065	25.607973	23.456115	0.500000
60	24.528045	23.917816	22.875305	25.592285	23.462768	0.500000
61	24.471282	23.898835	22.843934	25.577514	23.459198	0.500000
62	24.485230	23.837890	22.777037	25.562470	23.446013	0.500000
63	24.434599	23.784485	22.728029	25.546539	23.424104	0.500000
64	24.384124	23.757660	22.708039	25.528291	23.404419	0.500000
65	24.355347	23.761230	22.713532	25.510926	23.392365	0.500000
66	24.386506	23.775392	22.729980	25.492370	23.391265	0.500000
67	24.412994	23.800690	22.757415	25.476075	23.394561	0.500000
68	24.380583	23.823547	22.783447	25.458496	23.399416	0.500000
69	24.293549	23.845063	22.803740	25.440857	23.408571	0.500000
70	24.249145	23.812166	22.767823	25.422425	23.403230	0.500000
71	24.256958	23.731170	22.682769	25.402253	23.380126	0.500000
72	24.212768	23.681121	22.631897	25.386873	23.356690	0.500000
73	24.173583	23.654174	22.606780	25.368530	23.333067	0.500000
74	24.197998	23.679841	22.635436	25.355714	23.325073	0.500000
75	24.245727	23.729034	22.691955	25.335937	23.335052	0.500000
76	24.195525	23.768921	22.730560	25.315887	23.343812	0.500000
77	24.123778	23.791290	22.761626	25.295654	23.357727	0.500000
78	24.100556	23.810852	22.782196	25.276185	23.368073	0.500000
79	24.084808	23.798860	22.771148	25.252138	23.375793	0.500000
80	24.059510	23.774139	22.746766	25.235534	23.374602	0.500000
81	24.064698	23.754883	22.722840	25.218658	23.369966	0.500000
82	24.005737	23.746276	22.715881	25.198760	23.367583	0.500000
83	24.007048	23.741181	22.714080	25.183441	23.364899	0.500000
84	24.015746	23.748718	22.717407	25.168367	23.363922	0.500000
85	24.055907	23.744417	22.717987	25.152374	23.365569	0.500000
86	24.041411	23.756623	22.726714	25.138823	23.367278	0.500000
87	23.982422	23.756225	22.729431	25.123596	23.369051	0.500000
88	23.979249	23.765686	22.735839	25.109559	23.368378	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
45	0.000000	1.064148	3.640000e-3
46	0.000000	1.072510	3.639000e-3
47	0.000000	1.064819	3.638000e-3
48	0.000000	1.056762	3.638000e-3
49	0.000000	1.053040	3.638000e-3
50	0.000000	1.060854	3.638000e-3
51	0.000000	1.050657	3.639000e-3
52	0.000000	1.047610	3.639000e-3
53	0.000000	1.044312	3.639000e-3
54			
55	0.000000	1.053162	3.637000e-3
56	0.000000	1.059543	3.637000e-3
57	0.500000	1.060639	3.637000e-3
58	0.500000	1.049438	3.638000e-3
59	0.500000	1.051452	3.638000e-3
60	0.500000	1.042511	3.638000e-3
61	0.500000	1.054901	3.638000e-3
62	0.000000	1.060853	3.637000e-3
63	0.000000	1.056456	3.637000e-3
64	0.500000	1.049621	3.637000e-3
65	0.500000	1.047698	3.637000e-3
66	0.500000	1.045412	3.637000e-3
67	0.500000	1.043275	3.637000e-3
68	0.500000	1.040100	3.638000e-3
69	0.500000	1.041323	3.638000e-3
70	0.000000	1.044343	3.637000e-3
71	0.000000	1.048401	3.636000e-3
72	0.000000	1.049224	3.636000e-3
73	0.500000	1.047394	3.636000e-3
74	0.500000	1.044405	3.636000e-3
75	0.500000	1.037079	3.637000e-3
76	0.500000	1.038361	3.637000e-3
77	0.500000	1.029664	3.638000e-3
78	0.500000	1.028656	3.638000e-3
79	0.000000	1.027712	3.638000e-3
80	0.000000	1.027373	3.637000e-3
81	0.000000	1.032043	3.637000e-3
82	0.000000	1.030395	3.637000e-3
83	0.000000	1.027101	3.637000e-3
84	0.000000	1.031311	3.637000e-3
85	0.000000	1.026430	3.637000e-3
86	0.000000	1.029909	3.637000e-3
87	0.000000	1.026794	3.637000e-3
88	0.000000	1.029847	3.637000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
89	01:18:49	133.283000	-7.820000	0.090000	12.190000	0.150000
90	01:24:35	133.284000	-7.610000	0.090000	12.350000	0.070000
91	01:30:22	133.283000	-7.700000	0.020000	12.320000	0.040000
92	01:36:10	133.283000	-7.550000	0.050000	12.500000	0.100000
93	01:41:58	133.284000	-7.580000	0.080000	12.330000	0.060000
94	01:47:45	133.283000	-7.650000	0.040000	12.240000	0.070000
95	01:53:33	133.283000	-7.700000	0.090000	12.270000	0.170000
96	01:59:20	133.283000	-7.720000	0.020000	12.280000	0.030000
97	02:05:07	133.284000	-7.810000	0.060000	12.240000	0.100000
98	02:10:53	133.284000	-7.680000	0.060000	12.290000	0.060000
99						
100	02:36:59	133.283000	-7.660000	0.040000	12.000000	0.030000
101	02:42:47	133.284000	-7.530000	0.080000	12.210000	0.080000
102	02:48:33	133.283000	-7.690000	0.070000	12.260000	0.070000
103	02:54:21	133.283000	-7.480000	0.020000	12.190000	0.090000
104	03:00:08	133.283000	-7.420000	0.080000	12.260000	0.120000
105	03:05:55	133.283000	-7.510000	0.030000	12.160000	0.090000
106	03:11:42	133.283000	-7.760000	0.050000	12.000000	0.080000
107						
108	03:37:47	133.283000	-7.670000	0.030000	12.290000	0.100000
109	03:43:33	133.285000	-7.550000	0.050000	12.140000	0.080000
110	03:49:20	133.284000	-7.630000	0.040000	12.190000	0.070000
111	03:55:06	133.285000	-7.730000	0.060000	12.190000	0.030000
112	04:00:53	133.283000	-7.860000	0.060000	12.420000	0.070000
113	04:06:40	133.283000	-7.480000	0.100000	12.420000	0.070000
114	04:12:27	133.283000	-7.530000	0.020000	12.300000	0.060000
115	04:18:14	133.284000	-7.730000	0.050000	12.290000	0.050000
116	04:23:59	133.284000	-7.720000	0.020000	12.260000	0.080000
117	04:29:46	133.283000	-7.510000	0.080000	12.150000	0.100000
118	04:35:33	133.283000	-7.700000	0.050000	12.260000	0.090000
119	04:41:20	133.283000	-7.730000	0.020000	12.430000	0.090000
120	04:47:06	133.284000	-7.580000	0.020000	12.350000	0.040000
121						
122	05:13:12	133.284000	-7.580000	0.040000	12.180000	0.070000
123	05:18:59	133.284000	-7.560000	0.050000	12.290000	0.060000
124	05:24:45	133.284000	-7.640000	0.010000	12.240000	0.070000
125	05:30:32	133.284000	-7.550000	0.030000	12.300000	0.030000
126	05:36:18	133.284000	-7.480000	0.040000	12.250000	0.040000
127	05:42:05	133.284000	-7.650000	0.040000	12.110000	0.030000
128	05:47:52	133.284000	-7.670000	0.030000	12.130000	0.070000
129	05:53:37	133.284000	-7.630000	0.070000	12.160000	0.060000
130	05:59:24	133.284000	-7.570000	0.040000	12.090000	0.050000
131	06:05:11	133.285000	-7.600000	0.020000	12.260000	0.050000
132	06:10:58	133.285000	-7.690000	0.050000	12.120000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
89	23.955962	23.750824	22.720978	25.095673	23.367676	0.500000
90	23.965332	23.743743	22.717773	25.082335	23.366089	0.500000
91	23.875794	23.746674	22.733490	25.062561	23.368346	0.500000
92	23.864257	23.762482	22.743408	25.050293	23.372986	0.500000
93	23.955903	23.765931	22.741730	25.035400	23.379790	0.500000
94	23.909058	23.765321	22.743592	25.020384	23.379485	0.500000
95	23.949494	23.756866	22.739044	25.009398	23.381959	0.500000
96	23.916137	23.758789	22.735596	24.995575	23.379913	0.500000
97	23.848755	23.758667	22.730041	24.982635	23.380523	0.500000
98	23.871490	23.746399	22.728394	24.973328	23.380371	0.500000
99						
100	23.874542	23.709747	22.686401	24.929077	23.365236	0.500000
101	23.858885	23.697999	22.674776	24.913788	23.357819	0.500000
102	23.910155	23.694826	22.665895	24.905854	23.349792	0.500000
103	23.847503	23.689484	22.664489	24.893463	23.345642	0.500000
104	23.894286	23.712738	22.687622	24.885468	23.348420	0.500000
105	23.829498	23.732789	22.709413	24.875397	23.351594	0.500000
106	23.825805	23.735137	22.712007	24.864319	23.354309	0.500000
107						
108	23.711915	23.643983	22.623076	24.831300	23.313994	0.500000
109	23.739533	23.642120	22.618377	24.820495	23.305145	0.500000
110	23.782196	23.633791	22.604889	24.813843	23.297486	0.500000
111	23.807282	23.623931	22.593109	24.805146	23.289917	0.500000
112	23.781464	23.606841	22.581725	24.794128	23.278137	0.500000
113	23.719635	23.601716	22.575746	24.783204	23.269622	0.500000
114	23.670806	23.593293	22.573058	24.770020	23.260619	0.500000
115	23.713011	23.592467	22.566314	24.763062	23.253204	0.500000
116	23.753845	23.583253	22.560362	24.753265	23.247955	0.500000
117	23.764953	23.582153	22.557830	24.745268	23.242798	0.500000
118	23.726716	23.581512	22.554717	24.735170	23.237152	0.500000
119	23.722534	23.584380	22.560029	24.729400	23.231291	0.500000
120	23.761534	23.597443	22.573456	24.720827	23.234497	0.500000
121						
122	23.771576	23.603027	22.578004	24.699127	23.231171	0.500000
123	23.761627	23.608704	22.584044	24.693298	23.232575	0.500000
124	23.646240	23.608489	22.588897	24.688507	23.234253	0.500000
125	23.717651	23.618957	22.597261	24.682343	23.236451	0.500000
126	23.676819	23.616395	22.592712	24.677734	23.239562	0.500000
127	23.750305	23.612183	22.593200	24.671661	23.238708	0.500000
128	23.686461	23.614349	22.593079	24.663544	23.238892	0.500000
129	23.648712	23.615722	22.592377	24.659973	23.238463	0.500000
130	23.724455	23.613344	22.589783	24.653320	23.239378	0.500000
131	23.611207	23.606020	22.585816	24.646607	23.239320	0.500000
132	23.619658	23.593994	22.574219	24.642151	23.236451	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
89	0.000000	1.029846	3.637000e-3
90	0.000000	1.025970	3.637000e-3
91	0.000000	1.013184	3.637000e-3
92	0.000000	1.019074	3.637000e-3
93	0.000000	1.024201	3.638000e-3
94	0.000000	1.021729	3.637000e-3
95	0.000000	1.017822	3.637000e-3
96	0.000000	1.023193	3.637000e-3
97	0.000000	1.028626	3.637000e-3
98	0.000000	1.018005	3.637000e-3
99			
100	0.000000	1.023346	3.637000e-3
101	0.000000	1.023223	3.637000e-3
102	0.000000	1.028931	3.637000e-3
103	0.000000	1.024995	3.637000e-3
104	0.000000	1.025116	3.637000e-3
105	0.000000	1.023376	3.637000e-3
106	0.000000	1.023130	3.637000e-3
107			
108	0.000000	1.020907	3.636000e-3
109	0.000000	1.023743	3.636000e-3
110	0.000000	1.028902	3.636000e-3
111	0.000000	1.030822	3.636000e-3
112	0.000000	1.025116	3.636000e-3
113	0.000000	1.025970	3.637000e-3
114	0.000000	1.020235	3.636000e-3
115	0.000000	1.026153	3.636000e-3
116	0.000000	1.022891	3.636000e-3
117	0.000000	1.024323	3.636000e-3
118	0.000000	1.026795	3.636000e-3
119	0.000000	1.024351	3.636000e-3
120	0.000000	1.023987	3.636000e-3
121			
122	0.000000	1.025023	3.636000e-3
123	0.000000	1.024660	3.636000e-3
124	0.000000	1.019592	3.636000e-3
125	0.000000	1.021696	3.636000e-3
126	0.000000	1.023683	3.636000e-3
127	0.000000	1.018983	3.636000e-3
128	0.000000	1.021270	3.636000e-3
129	0.000000	1.023345	3.636000e-3
130	0.000000	1.023561	3.636000e-3
131	0.000000	1.020204	3.636000e-3
132	0.000000	1.019775	3.636000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
133						
134	06:37:04	133.284000	-7.440000	0.080000	12.270000	0.060000
135	06:42:50	133.284000	-7.510000	0.040000	12.370000	0.050000
136	06:48:36	133.284000	-7.520000	0.060000	12.350000	0.040000
137	06:54:23	133.284000	-7.440000	0.050000	12.440000	0.080000
138	07:00:10	133.284000	-7.540000	0.030000	12.220000	0.070000
139	07:05:57	133.284000	-7.260000	0.030000	12.060000	0.050000
140	07:11:44	133.283000	-7.510000	0.080000	12.300000	0.030000
141	07:17:31	133.284000	-7.450000	0.050000	12.300000	0.050000
142	07:23:18	133.284000	-7.690000	0.080000	12.300000	0.030000
143	07:29:05	133.284000	-7.450000	0.040000	12.210000	0.030000
144	07:34:51	133.284000	-7.440000	0.080000	12.400000	0.050000
145	07:40:38	133.284000	-7.220000	0.030000	12.310000	0.060000
146						
147	08:06:45	133.284000	-7.440000	0.030000	12.240000	0.050000
148	08:12:31	133.284000	-7.270000	0.040000	12.410000	0.080000
149	08:18:18	133.284000	-7.080000	0.030000	12.380000	0.060000
150	08:24:06	133.284000	-7.330000	0.070000	12.270000	0.030000
151	08:29:52	133.284000	-7.360000	0.050000	12.170000	0.050000
152	08:35:39	133.285000	-7.480000	0.050000	12.310000	0.070000
153	08:41:25	133.285000	-7.410000	0.060000	12.290000	0.090000
154						
155	09:07:31	133.284000	-7.270000	0.080000	12.480000	0.070000
156						
157	09:33:35	133.284000	-7.560000	0.030000	12.470000	0.080000
158	09:39:22	133.284000	-7.400000	0.090000	12.340000	0.070000
159	09:45:09	133.284000	-7.450000	0.060000	12.320000	0.050000
160						
161	10:11:15	133.283000	-7.530000	0.090000	12.840000	0.050000
162	10:17:03	133.285000	-7.430000	0.090000	12.720000	0.050000
163	10:22:49	133.283000	-7.480000	0.020000	12.530000	0.080000
164	10:28:37	133.284000	-7.380000	0.080000	12.360000	0.060000
165	10:34:24	133.284000	-7.110000	0.060000	12.550000	0.050000
166	10:40:12	133.283000	-7.230000	0.060000	12.410000	0.040000
167	10:45:59	133.284000	-7.380000	0.040000	12.340000	0.010000
168	10:51:45	133.285000	-7.360000	0.070000	12.520000	0.050000
169	10:57:33	133.284000	-7.120000	0.040000	12.430000	0.080000
170	11:03:21	133.284000	-7.210000	0.090000	12.380000	0.040000
171	11:09:08	133.285000	-7.210000	0.050000	12.410000	0.130000
172	11:14:54	133.284000	-7.100000	0.030000	12.600000	0.070000
173	11:20:42	133.284000	-7.220000	0.060000	12.540000	0.050000
174	11:26:30	133.285000	-7.290000	0.030000	12.530000	0.030000
175	11:32:17	133.284000	-7.160000	0.050000	12.410000	0.010000
176	11:38:05	133.284000	-7.220000	0.040000	12.400000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
133						
134	23.686981	23.593750	22.572541	24.625060	23.227753	0.500000
135	23.657715	23.601380	22.576141	24.622254	23.231873	0.500000
136	23.705291	23.601622	22.576661	24.617981	23.227570	0.500000
137	23.659636	23.598876	22.577882	24.613068	23.227571	0.500000
138	23.607850	23.600189	22.577668	24.608093	23.227965	0.500000
139	23.623809	23.599670	22.575988	24.603515	23.228546	0.500000
140	23.636810	23.597595	22.579957	24.597321	23.228332	0.500000
141	23.634123	23.606293	22.581603	24.594604	23.230376	0.500000
142	23.684570	23.606810	22.588622	24.588043	23.235106	0.500000
143	23.595244	23.615112	22.594513	24.583067	23.233459	0.500000
144	23.555176	23.622406	22.599578	24.580689	23.236421	0.500000
145	23.682982	23.630003	22.611877	24.579254	23.243560	0.500000
146						
147	23.713257	23.650849	22.626923	24.578003	23.261291	0.500000
148	23.633422	23.654601	22.637298	24.576965	23.265291	0.500000
149	23.723664	23.670744	22.646393	24.576783	23.273835	0.500000
150	23.715941	23.662109	22.645507	24.577547	23.276246	0.500000
151	23.704071	23.673462	22.650971	24.575805	23.279298	0.500000
152	23.729279	23.695405	22.672914	24.576904	23.288817	0.500000
153	23.722901	23.709869	22.688141	24.573822	23.295409	0.500000
154						
155	23.652863	23.688964	22.663331	24.572327	23.314209	0.500000
156						
157	23.707885	23.616119	22.589570	24.569916	23.278168	0.500000
158	23.604736	23.605011	22.582306	24.567292	23.267912	0.500000
159	23.717224	23.605346	22.583282	24.565551	23.262329	0.500000
160						
161	23.726868	23.691223	22.674896	24.566377	23.286255	0.500000
162	23.742003	23.693604	22.670867	24.566103	23.292021	0.500000
163	23.636260	23.696198	22.679506	24.565735	23.294952	0.500000
164	23.677551	23.725922	22.713713	24.566407	23.310059	0.500000
165	23.723571	23.768401	22.758240	24.564757	23.330353	0.500000
166	23.780822	23.810150	22.797331	24.566619	23.356386	0.500000
167	23.722624	23.834075	22.824433	24.566893	23.373596	0.500000
168	23.736114	23.861846	22.858093	24.569334	23.398101	0.000000
169	23.852965	23.890992	22.877471	24.572358	23.424683	0.000000
170	23.822815	23.903199	22.887452	24.576416	23.442169	0.000000
171	23.851714	23.901183	22.885468	24.582458	23.456207	0.000000
172	23.917326	23.901125	22.878540	24.588928	23.466156	0.000000
173	23.905091	23.895173	22.873809	24.595612	23.474915	0.000000
174	23.914885	23.909119	22.887788	24.604126	23.481324	0.000000
175	23.938567	23.925996	22.906616	24.611543	23.491637	0.000000
176	23.876769	23.950379	22.934602	24.618804	23.506896	0.000000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
133			
134	0.000000	1.021209	3.636000e-3
135	0.000000	1.025239	3.636000e-3
136	0.000000	1.024961	3.636000e-3
137	0.000000	1.020994	3.636000e-3
138	0.000000	1.022521	3.636000e-3
139	0.000000	1.023682	3.636000e-3
140	0.000000	1.017638	3.636000e-3
141	0.000000	1.024690	3.637000e-3
142	0.000000	1.018188	3.636000e-3
143	0.000000	1.020599	3.637000e-3
144	0.000000	1.022828	3.637000e-3
145	0.000000	1.018126	3.637000e-3
146			
147	0.000000	1.023926	3.637000e-3
148	0.000000	1.017303	3.637000e-3
149	0.000000	1.024351	3.637000e-3
150	0.000000	1.016602	3.637000e-3
151	0.000000	1.022491	3.637000e-3
152	0.000000	1.022491	3.637000e-3
153	0.000000	1.021728	3.637000e-3
154			
155	0.000000	1.025633	3.637000e-3
156			
157	0.000000	1.026549	3.636000e-3
158	0.000000	1.022705	3.636000e-3
159	0.000000	1.022064	3.636000e-3
160			
161	0.000000	1.016327	3.637000e-3
162	0.000000	1.022737	3.637000e-3
163	0.000000	1.016692	3.638000e-3
164	0.000000	1.012209	3.638000e-3
165	0.000000	1.010161	3.638000e-3
166	0.000000	1.012819	3.639000e-3
167	0.000000	1.009642	3.639000e-3
168	0.000000	1.003753	3.639000e-3
169	-0.500000	1.013521	3.639000e-3
170	-0.500000	1.015747	3.639000e-3
171	-0.500000	1.015715	3.639000e-3
172	-0.500000	1.022585	3.639000e-3
173	-0.500000	1.021364	3.639000e-3
174	-0.500000	1.021331	3.640000e-3
175	-0.500000	1.019380	3.640000e-3
176	-0.500000	1.015777	3.640000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
177	11:43:53	133.285000	-7.140000	0.040000	12.330000	0.090000
178	11:49:39	133.284000	-7.290000	0.070000	12.430000	0.040000
179	11:55:27	133.284000	-7.330000	0.040000	12.470000	0.050000
180	12:01:14	133.284000	-7.260000	0.040000	12.510000	0.010000
181	12:07:01	133.286000	-7.250000	0.050000	12.480000	0.060000
182	12:12:48	133.285000	-7.200000	0.060000	12.320000	0.060000
183	12:18:35	133.285000	-7.230000	0.070000	12.260000	0.020000
184	12:24:22	133.285000	-7.320000	0.030000	12.190000	0.060000
185	12:30:09	133.285000	-7.410000	0.040000	12.030000	0.060000
186	12:35:56	133.285000	-7.380000	0.090000	12.040000	0.030000
187	12:41:44	133.285000	-7.350000	0.010000	12.080000	0.060000
188	12:47:31	133.285000	-7.190000	0.070000	12.060000	0.030000
189	12:53:19	133.285000	-7.230000	0.020000	11.950000	0.090000
190	12:59:07	133.286000	-7.130000	0.040000	11.870000	0.070000
191	13:04:54	133.285000	-7.320000	0.030000	11.950000	0.080000
192	13:10:41	133.285000	-7.270000	0.070000	12.130000	0.070000
193	13:16:28	133.285000	-7.130000	0.040000	12.040000	0.020000
194	13:22:16	133.285000	-6.950000	0.060000	11.850000	0.060000
195	13:28:04	133.284000	-7.120000	0.040000	11.810000	0.040000
196	13:33:51	133.285000	-7.200000	0.010000	11.750000	0.020000
197	13:39:38	133.285000	-7.170000	0.030000	11.770000	0.030000
198	13:45:25	133.285000	-7.280000	0.030000	11.720000	0.040000
199	13:51:12	133.285000	-7.250000	0.080000	11.960000	0.090000
200	13:56:59	133.285000	-7.280000	0.070000	12.020000	0.030000
201	14:02:46	133.285000	-7.270000	0.030000	11.830000	0.060000
202	14:08:33	133.285000	-7.230000	0.080000	11.720000	0.020000
203	14:14:21	133.285000	-7.290000	0.050000	11.800000	0.030000
204	14:20:08	133.286000	-7.230000	0.030000	11.860000	0.060000
205	14:25:55	133.286000	-7.170000	0.040000	11.760000	0.050000
206	14:31:42	133.286000	-7.220000	0.020000	11.710000	0.050000
207	14:37:30	133.285000	-7.080000	0.050000	11.750000	0.060000
208	14:43:17	133.285000	-7.160000	0.040000	11.790000	0.070000
209	14:49:06	133.285000	-7.310000	0.050000	11.880000	0.060000
210	14:54:54	133.286000	-7.300000	0.090000	12.040000	0.090000
211	15:00:42	133.285000	-7.330000	0.030000	11.960000	0.070000
212	15:06:29	133.285000	-7.260000	0.050000	11.780000	0.020000
213	15:12:16	133.285000	-7.310000	0.030000	11.860000	0.010000
214	15:18:03	133.285000	-7.390000	0.030000	11.650000	0.040000
215	15:23:49	133.286000	-7.280000	0.060000	11.620000	0.060000
216	15:29:37	133.286000	-7.060000	0.030000	11.540000	0.030000
217	15:35:23	133.285000	-7.310000	0.040000	11.790000	0.050000
218	15:41:10	133.284000	-7.150000	0.040000	11.770000	0.050000
219	15:46:57	133.286000	-7.230000	0.040000	11.860000	0.030000
220	15:52:44	133.285000	-7.190000	0.050000	11.870000	0.020000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
177	23.932862	23.993041	22.976562	24.628968	23.531616	0.000000
178	23.939940	24.034087	23.015290	24.636657	23.553010	0.000000
179	23.998138	24.061585	23.047271	24.648041	23.578827	0.000000
180	24.044067	24.089630	23.072662	24.657835	23.602112	0.000000
181	24.088807	24.101074	23.079619	24.670411	23.621063	0.000000
182	24.151794	24.063019	23.030274	24.681975	23.621216	0.000000
183	24.052214	23.986022	22.945220	24.694976	23.603149	0.000000
184	24.108338	23.901489	22.855714	24.707398	23.577729	0.000000
185	24.115996	23.851288	22.806733	24.718718	23.547180	0.000000
186	24.107451	23.861908	22.827821	24.730803	23.534576	0.000000
187	24.154663	23.929533	22.897827	24.741974	23.538727	0.000000
188	24.168152	24.014465	22.985108	24.754091	23.559327	0.000000
189	24.115021	24.087493	23.067626	24.764801	23.589203	0.000000
190	24.173035	24.139801	23.113677	24.778412	23.623230	0.000000
191	24.207367	24.125946	23.091004	24.790496	23.638580	0.000000
192	24.212493	24.053375	23.012269	24.799805	23.627258	0.000000
193	24.206328	23.973451	22.920622	24.811675	23.606658	0.000000
194	24.204833	23.903687	22.857910	24.822051	23.573760	0.000000
195	24.251799	23.892975	22.852111	24.831664	23.558013	0.000000
196	24.249787	23.947692	22.913908	24.842530	23.560700	0.000000
197	24.257721	24.045989	23.017793	24.853057	23.581970	0.000000
198	24.284272	24.135253	23.109040	24.863770	23.621001	0.000000
199	24.293823	24.206542	23.187224	24.875245	23.657012	0.000000
200	24.297881	24.242157	23.210481	24.885802	23.689696	0.000000
201	24.321563	24.208037	23.170441	24.898192	23.703827	0.000000
202	24.326324	24.138121	23.094115	24.909454	23.695404	0.000000
203	24.327940	24.058775	23.007050	24.921143	23.673553	0.000000
204	24.372315	24.010284	22.959990	24.933197	23.653870	0.000000
205	24.342103	24.012298	22.975128	24.943574	23.641571	0.000000
206	24.324736	24.080322	23.049926	24.953340	23.653016	0.000000
207	24.388916	24.182649	23.155122	24.966063	23.684875	0.000000
208	24.339752	24.268493	23.251280	24.972870	23.722472	0.000000
209	24.333739	24.339843	23.323516	24.979187	23.766571	0.000000
210	24.306213	24.358520	23.340942	24.983184	23.800597	0.000000
211	24.286620	24.317779	23.298767	24.987915	23.815949	0.000000
212	24.251098	24.245728	23.217254	24.990966	23.809600	0.000000
213	24.228973	24.153931	23.118195	24.994875	23.786254	0.000000
214	24.250214	24.071013	23.037629	24.996400	23.757140	0.000000
215	24.264831	24.049134	23.018462	24.997742	23.738646	0.000000
216	24.181885	24.071107	23.053406	24.997223	23.729889	0.000000
217	24.206604	24.151701	23.139312	24.997954	23.743255	0.000000
218	24.146301	24.240264	23.232910	24.995911	23.773620	0.000000
219	24.167602	24.307861	23.301758	24.998138	23.807068	0.000000
220	24.186644	24.339842	23.330626	24.996400	23.838257	0.000000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
177	-0.500000	1.016479	3.640000e-3
178	-0.500000	1.018797	3.641000e-3
179	-0.500000	1.014314	3.641000e-3
180	-0.500000	1.016968	3.641000e-3
181	-0.500000	1.021455	3.641000e-3
182	-0.500000	1.032745	3.641000e-3
183	-0.500000	1.040802	3.640000e-3
184	-0.500000	1.045775	3.639000e-3
185	-0.500000	1.044555	3.639000e-3
186	-0.500000	1.034087	3.639000e-3
187	-0.500000	1.031706	3.640000e-3
188	-0.500000	1.029357	3.641000e-3
189	-0.500000	1.019867	3.641000e-3
190	-0.500000	1.026124	3.642000e-3
191	-0.500000	1.034942	3.641000e-3
192	-0.500000	1.041106	3.641000e-3
193	-0.500000	1.052829	3.640000e-3
194	-0.500000	1.045777	3.639000e-3
195	-0.500000	1.040864	3.639000e-3
196	-0.500000	1.033784	3.640000e-3
197	-0.500000	1.028196	3.641000e-3
198	-0.500000	1.026213	3.642000e-3
199	-0.500000	1.019318	3.643000e-3
200	-0.500000	1.031676	3.643000e-3
201	-0.500000	1.037596	3.642000e-3
202	-0.500000	1.044006	3.641000e-3
203	-0.500000	1.051725	3.641000e-3
204	-0.500000	1.050294	3.640000e-3
205	-0.500000	1.037170	3.640000e-3
206	-0.500000	1.030396	3.641000e-3
207	-0.500000	1.027527	3.642000e-3
208	-0.500000	1.017213	3.643000e-3
209	-0.500000	1.016327	3.644000e-3
210	-0.500000	1.017578	3.644000e-3
211	-0.500000	1.019012	3.643000e-3
212	-0.500000	1.028474	3.643000e-3
213	-0.500000	1.035736	3.642000e-3
214	-0.500000	1.033384	3.641000e-3
215	-0.500000	1.030672	3.641000e-3
216	-0.500000	1.017701	3.642000e-3
217	-0.500000	1.012389	3.643000e-3
218	-0.500000	1.007354	3.643000e-3
219	-0.500000	1.006103	3.644000e-3
220	-0.500000	1.009216	3.644000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
221	15:58:31	133.284000	-7.270000	0.040000	11.950000	0.020000
222	16:04:18	133.285000	-7.220000	0.100000	11.900000	0.060000
223	16:10:05	133.285000	-7.320000	0.010000	11.800000	0.060000
224	16:15:52	133.285000	-7.260000	0.050000	11.780000	0.060000
225	16:21:39	133.285000	-7.240000	0.040000	11.760000	0.030000
226	16:27:26	133.286000	-7.120000	0.050000	11.620000	0.020000
227	16:33:13	133.285000	-7.120000	0.060000	11.890000	0.030000
228	16:39:00	133.285000	-7.100000	0.060000	11.730000	0.080000
229	16:44:47	133.286000	-7.270000	0.090000	11.930000	0.080000
230	16:50:34	133.285000	-7.270000	0.020000	11.980000	0.040000
231	16:56:21	133.285000	-7.290000	0.030000	12.010000	0.070000
232	17:02:07	133.285000	-7.170000	0.030000	12.080000	0.040000
233	17:07:54	133.285000	-7.140000	0.040000	11.980000	0.080000
234	17:13:40	133.285000	-7.110000	0.040000	11.840000	0.080000
235	17:19:27	133.285000	-7.220000	0.060000	11.580000	0.060000
236	17:25:13	133.286000	-7.300000	0.040000	11.650000	0.050000
237	17:31:00	133.286000	-7.350000	0.060000	11.690000	0.100000
238	17:36:47	133.285000	-7.120000	0.040000	11.600000	0.010000
239	17:42:34	133.286000	-7.020000	0.030000	11.650000	0.050000
240	17:48:21	133.285000	-7.010000	0.080000	11.790000	0.070000
241	17:54:09	133.286000	-7.170000	0.030000	11.740000	0.110000
242	17:59:56	133.286000	-7.200000	0.050000	11.690000	0.080000
243	18:05:43	133.286000	-7.190000	0.050000	11.820000	0.080000
244	18:11:30	133.286000	-7.190000	0.050000	11.680000	0.050000
245	18:17:17	133.286000	-7.180000	0.050000	11.680000	0.090000
246	18:23:04	133.286000	-7.080000	0.030000	11.500000	0.020000
247	18:28:51	133.285000	-7.110000	0.030000	11.260000	0.030000
248	18:34:38	133.286000	-7.180000	0.060000	11.310000	0.050000
249	18:40:26	133.286000	-7.270000	0.070000	11.510000	0.040000
250	18:46:14	133.286000	-7.090000	0.030000	11.500000	0.020000
251	18:52:02	133.286000	-7.150000	0.050000	11.520000	0.050000
252	18:57:49	133.286000	-7.070000	0.030000	11.370000	0.040000
253	19:03:38	133.285000	-6.950000	0.040000	11.330000	0.040000
254	19:09:26	133.285000	-7.050000	0.060000	11.170000	0.040000
255	19:15:14	133.286000	-7.070000	0.020000	11.140000	0.030000
256	19:21:02	133.285000	-7.010000	0.080000	11.210000	0.080000
257	19:26:50	133.286000	-6.870000	0.030000	10.990000	0.010000
258	19:32:37	133.286000	-6.970000	0.030000	10.940000	0.060000
259	19:38:25	133.286000	-7.090000	0.070000	11.000000	0.030000
260	19:44:12	133.286000	-6.990000	0.060000	11.040000	0.010000
261	19:49:59	133.286000	-7.040000	0.100000	11.210000	0.040000
262	19:55:46	133.286000	-6.830000	0.030000	10.980000	0.050000
263	20:01:32	133.286000	-6.920000	0.070000	10.910000	0.040000
264	20:07:19	133.286000	-6.900000	0.020000	10.730000	0.050000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole)	2-HeidenhainR(um)
221	24.182617	24.299927	23.289917	24.994875	23.851197	0.000000
222	24.167969	24.227875	23.207336	24.993225	23.836608	0.000000
223	24.159545	24.137390	23.111968	24.989410	23.811309	0.000000
224	24.161620	24.062011	23.037047	24.987398	23.779481	0.000000
225	24.144501	24.045867	23.021942	24.984741	23.757781	0.000000
226	24.178862	24.083161	23.065979	24.982574	23.750519	0.000000
227	24.114105	24.172638	23.163116	24.980836	23.769501	0.000000
228	24.157714	24.260985	23.260377	24.981752	23.801026	0.000000
229	24.194762	24.344725	23.343323	24.980285	23.839539	0.000000
230	24.202027	24.366577	23.360565	24.982543	23.871307	0.000000
231	24.201049	24.335113	23.319091	24.982421	23.881835	0.000000
232	24.198393	24.260559	23.235748	24.984193	23.869872	0.000000
233	24.242095	24.156585	23.125611	24.984040	23.840637	0.000000
234	24.198303	24.072661	23.034424	24.985930	23.801238	0.000000
235	24.270081	24.041504	23.007171	24.989135	23.772369	0.000000
236	24.308440	24.082183	23.050627	24.997774	23.760986	0.000000
237	24.364991	24.167816	23.142305	25.008545	23.773835	0.000000
238	24.397156	24.270692	23.249206	25.019258	23.804443	0.000000
239	24.444580	24.363951	23.339691	25.030395	23.840728	0.000000
240	24.441711	24.407470	23.386993	25.043578	23.874848	0.000000
241	24.498443	24.403471	23.367035	25.053986	23.889466	0.000000
242	24.453308	24.329224	23.280913	25.065338	23.880678	0.000000
243	24.516053	24.227142	23.171477	25.077363	23.854279	0.000000
244	24.414703	24.115447	23.063508	25.085450	23.811430	0.000000
245	24.503052	24.073395	23.025604	25.095214	23.778259	0.000000
246	24.493193	24.082610	23.039124	25.104432	23.760437	0.000000
247	24.475646	24.151948	23.119264	25.110931	23.761138	0.000000
248	24.493956	24.232178	23.203309	25.117920	23.780791	0.000000
249	24.458832	24.300811	23.273773	25.125701	23.804442	0.000000
250	24.456419	24.318481	23.282318	25.131288	23.826111	0.000000
251	24.473481	24.261047	23.219879	25.138336	23.821779	0.000000
252	24.493041	24.165191	23.114166	25.143281	23.794465	0.000000
253	24.447937	24.044922	22.990632	25.146393	23.748137	0.000000
254	24.390411	23.948669	22.896607	25.148225	23.697632	0.000000
255	24.417145	23.937562	22.885832	25.150818	23.668092	0.000000
256	24.397552	23.968200	22.922637	25.151520	23.651397	0.000000
257	24.421417	24.017609	22.978731	25.149779	23.649414	0.500000
258	24.372649	24.059723	23.024749	25.151704	23.651611	0.500000
259	24.342315	24.073334	23.031373	25.150420	23.656373	0.500000
260	24.400572	24.024748	22.975464	25.151762	23.637146	0.500000
261	24.391417	23.915039	22.857147	25.153900	23.601195	0.500000
262	24.303467	23.785706	22.723022	25.148682	23.543579	0.500000
263	24.282011	23.708159	22.662080	25.146057	23.493469	0.500000
264	24.292113	23.695099	22.644501	25.141906	23.454011	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
221	-0.500000	1.010010	3.644000e-3
222	-0.500000	1.020539	3.643000e-3
223	-0.500000	1.025422	3.642000e-3
224	-0.500000	1.024964	3.641000e-3
225	-0.500000	1.023925	3.641000e-3
226	-0.500000	1.017182	3.642000e-3
227	-0.500000	1.009522	3.643000e-3
228	-0.500000	1.000608	3.644000e-3
229	-0.500000	1.001402	3.645000e-3
230	-0.500000	1.006012	3.645000e-3
231	-0.500000	1.016022	3.644000e-3
232	-0.500000	1.024811	3.643000e-3
233	-0.500000	1.030974	3.642000e-3
234	-0.500000	1.038237	3.641000e-3
235	-0.500000	1.034333	3.641000e-3
236	-0.500000	1.031556	3.641000e-3
237	-0.500000	1.025511	3.643000e-3
238	-0.500000	1.021486	3.644000e-3
239	-0.500000	1.024260	3.644000e-3
240	-0.500000	1.020477	3.645000e-3
241	-0.500000	1.036436	3.644000e-3
242	-0.500000	1.048311	3.644000e-3
243	-0.500000	1.055665	3.642000e-3
244	-0.500000	1.051939	3.641000e-3
245	-0.500000	1.047791	3.641000e-3
246	-0.500000	1.043486	3.642000e-3
247	-0.500000	1.032684	3.642000e-3
248	-0.500000	1.028869	3.643000e-3
249	-0.500000	1.027038	3.644000e-3
250	-0.500000	1.036163	3.644000e-3
251	-0.500000	1.041168	3.643000e-3
252	-0.500000	1.051025	3.642000e-3
253	-0.500000	1.054290	3.641000e-3
254	-0.500000	1.052062	3.640000e-3
255	-0.500000	1.051730	3.640000e-3
256	-0.500000	1.045563	3.641000e-3
257	-0.500000	1.038878	3.641000e-3
258	-0.500000	1.034974	3.641000e-3
259	-0.500000	1.041961	3.641000e-3
260	-0.500000	1.049284	3.641000e-3
261	-0.500000	1.057892	3.640000e-3
262	0.000000	1.062684	3.638000e-3
263	0.000000	1.046079	3.638000e-3
264	0.000000	1.050598	3.638000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
265	20:13:06	133.286000	-6.990000	0.030000	10.820000	0.060000
266	20:18:53	133.286000	-7.020000	0.050000	10.850000	0.010000
267	20:24:40	133.285000	-6.750000	0.050000	10.750000	0.050000
268	20:30:26	133.286000	-6.840000	0.030000	10.830000	0.030000
269	20:36:14	133.286000	-6.680000	0.060000	10.890000	0.040000
270	20:42:00	133.286000	-6.750000	0.050000	10.830000	0.050000
271	20:47:46	133.285000	-6.700000	0.040000	11.010000	0.050000
272	20:53:34	133.285000	-6.780000	0.030000	10.960000	0.040000
273	20:59:20	133.285000	-6.850000	0.030000	10.870000	0.030000
274	21:05:07	133.285000	-6.730000	0.090000	10.900000	0.060000
275	21:10:53	133.286000	-6.850000	0.030000	10.940000	0.040000
276	21:16:39	133.286000	-6.860000	0.040000	10.830000	0.040000
277	21:22:26	133.286000	-6.930000	0.040000	10.980000	0.040000
278	21:28:12	133.285000	-6.690000	0.090000	10.800000	0.030000
279	21:33:59	133.285000	-6.770000	0.030000	10.750000	0.060000
280	21:39:46	133.287000	-6.850000	0.050000	10.730000	0.050000
281	21:45:33	133.286000	-6.810000	0.030000	10.760000	0.070000
282	21:51:20	133.285000	-6.890000	0.080000	10.790000	0.060000
283	21:57:07	133.286000	-6.740000	0.050000	10.910000	0.020000
284	22:02:54	133.286000	-6.840000	0.040000	10.860000	0.020000
285	22:08:41	133.286000	-6.760000	0.030000	10.910000	0.030000
286	22:14:28	133.286000	-7.070000	0.020000	11.110000	0.030000
287	22:20:15	133.286000	-7.000000	0.080000	11.070000	0.090000
288	22:26:03	133.286000	-7.140000	0.050000	11.200000	0.040000
289	22:31:50	133.285000	-7.020000	0.040000	11.280000	0.050000
290	22:37:38	133.286000	-6.950000	0.090000	11.140000	0.090000
291	22:43:25	133.285000	-6.880000	0.030000	11.060000	0.020000
292	22:49:12	133.286000	-6.800000	0.070000	11.100000	0.110000
293	22:55:00	133.286000	-7.050000	0.050000	10.870000	0.040000
294	23:00:48	133.285000	-7.000000	0.030000	10.890000	0.050000
295	23:06:35	133.286000	-7.110000	0.070000	11.060000	0.050000
296	23:12:22	133.286000	-7.030000	0.020000	11.070000	0.020000
297	23:18:09	133.286000	-7.040000	0.020000	11.060000	0.050000
298	23:23:56	133.286000	-7.020000	0.020000	11.360000	0.010000
299	23:29:42	133.286000	-6.930000	0.030000	11.200000	0.020000
300	23:35:29	133.286000	-7.010000	0.040000	11.180000	0.110000
301	23:41:16	133.286000	-7.210000	0.110000	11.080000	0.060000
302	23:47:03	133.286000	-7.280000	0.060000	11.320000	0.040000
303	23:52:50	133.285000	-7.300000	0.050000	11.500000	0.100000
304	23:58:37	133.286000	-7.090000	0.100000	11.540000	0.080000
305	00:04:24	133.286000	-7.140000	0.030000	11.500000	0.030000
306	00:10:11	133.286000	-7.070000	0.070000	11.270000	0.060000
307	00:15:58	133.286000	-7.110000	0.050000	11.370000	0.030000
308	00:21:45	133.285000	-7.260000	0.050000	11.440000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
265	24.232330	23.737609	22.692047	25.136810	23.439667	0.500000
266	24.257202	23.803253	22.764587	25.132020	23.438019	0.500000
267	24.282195	23.881469	22.855256	25.125428	23.452638	0.500000
268	24.210693	23.972687	22.948945	25.119508	23.486176	0.500000
269	24.252593	24.035553	23.010649	25.115142	23.518586	0.500000
270	24.199645	24.009369	22.976623	25.106842	23.532042	0.500000
271	24.188995	23.915773	22.867798	25.100647	23.511689	0.500000
272	24.239869	23.812898	22.760559	25.096620	23.483612	0.500000
273	24.205596	23.727937	22.682038	25.086670	23.445250	0.500000
274	24.171569	23.681062	22.630431	25.079436	23.410249	0.500000
275	24.183592	23.649628	22.602265	25.071443	23.376860	0.500000
276	24.145019	23.653169	22.614046	25.060242	23.358948	0.500000
277	24.140410	23.684418	22.647644	25.053284	23.347136	0.500000
278	24.122283	23.709411	22.670624	25.048155	23.344605	0.500000
279	24.107422	23.711333	22.672638	25.041383	23.340148	0.500000
280	24.096436	23.697479	22.657166	25.031801	23.329925	0.500000
281	23.994812	23.681213	22.642364	25.020751	23.318390	0.500000
282	23.994078	23.667572	22.636475	25.011750	23.310179	0.500000
283	23.987305	23.686188	22.659455	24.998780	23.306427	0.500000
284	23.965697	23.720551	22.697753	24.986634	23.315582	0.500000
285	23.909454	23.778381	22.759857	24.976013	23.335754	0.500000
286	23.934326	23.815551	22.804992	24.963195	23.357606	0.500000
287	23.965697	23.811067	22.780519	24.954744	23.369140	0.500000
288	23.929595	23.724456	22.688995	24.941712	23.353149	0.500000
289	23.892548	23.649109	22.617310	24.932587	23.329895	0.500000
290	23.929686	23.610535	22.572907	24.921632	23.305115	0.500000
291	23.930420	23.597075	22.563661	24.912903	23.288359	0.500000
292	23.863098	23.610383	22.584686	24.901977	23.275514	0.500000
293	23.940124	23.657927	22.637055	24.892183	23.284974	0.500000
294	23.776793	23.699736	22.679780	24.879791	23.291351	0.500000
295	23.915283	23.715546	22.693725	24.871431	23.303680	0.500000
296	23.778381	23.709137	22.688935	24.857057	23.304444	0.500000
297	23.852202	23.686187	22.656220	24.850280	23.303222	0.500000
298	23.890807	23.652833	22.626862	24.840760	23.296508	0.500000
299	23.777098	23.652649	22.632661	24.826722	23.288359	0.500000
300	23.782744	23.688902	22.675843	24.817137	23.299928	0.500000
301	23.807799	23.732973	22.719359	24.807404	23.316102	0.500000
302	23.745636	23.751495	22.738464	24.797425	23.330689	0.500000
303	23.686187	23.730684	22.723450	24.785614	23.333923	0.500000
304	23.724975	23.707154	22.693297	24.775727	23.332062	0.500000
305	23.798949	23.677125	22.665773	24.764678	23.327148	0.500000
306	23.663177	23.663698	22.648347	24.751435	23.318573	0.500000
307	23.681061	23.649291	22.636139	24.738832	23.310852	0.500000
308	23.682618	23.637453	22.622039	24.727815	23.306184	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
265	0.000000	1.045562	3.639000e-3
266	0.000000	1.038666	3.639000e-3
267	0.000000	1.026213	3.640000e-3
268	0.000000	1.023742	3.641000e-3
269	0.000000	1.024904	3.641000e-3
270	0.000000	1.032746	3.641000e-3
271	0.000000	1.047975	3.640000e-3
272	0.000000	1.052339	3.639000e-3
273	0.000000	1.045899	3.638000e-3
274	0.000000	1.050631	3.638000e-3
275	0.000000	1.047363	3.638000e-3
276	0.000000	1.039123	3.638000e-3
277	0.000000	1.036774	3.638000e-3
278	0.000000	1.038787	3.639000e-3
279	0.000000	1.038695	3.638000e-3
280	0.000000	1.040313	3.639000e-3
281	0.000000	1.038849	3.638000e-3
282	0.000000	1.031097	3.638000e-3
283	0.000000	1.026733	3.639000e-3
284	0.000000	1.022798	3.639000e-3
285	0.000000	1.018524	3.640000e-3
286	0.000000	1.010559	3.640000e-3
287	0.000000	1.030548	3.640000e-3
288	0.000000	1.035461	3.639000e-3
289	0.000000	1.031799	3.638000e-3
290	0.000000	1.037628	3.637000e-3
291	0.000000	1.033414	3.638000e-3
292	0.000000	1.025697	3.638000e-3
293	0.000000	1.020872	3.639000e-3
294	0.000000	1.019956	3.639000e-3
295	0.000000	1.021821	3.639000e-3
296	0.000000	1.020202	3.639000e-3
297	0.000000	1.029967	3.638000e-3
298	0.000000	1.025971	3.638000e-3
299	0.000000	1.019988	3.638000e-3
300	0.000000	1.013059	3.639000e-3
301	0.000000	1.013614	3.639000e-3
302	0.000000	1.013031	3.640000e-3
303	0.000000	1.007234	3.639000e-3
304	0.000000	1.013857	3.639000e-3
305	0.000000	1.011352	3.639000e-3
306	0.000000	1.015351	3.639000e-3
307	0.000000	1.013152	3.639000e-3
308	0.000000	1.015414	3.638000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
309	00:27:32	133.286000	-7.220000	0.050000	11.480000	0.030000
310	00:33:19	133.286000	-7.210000	0.020000	11.500000	0.040000
311	00:39:06	133.286000	-7.130000	0.050000	11.550000	0.090000
312	00:44:53	133.286000	-6.970000	0.090000	11.540000	0.030000
313	00:50:40	133.286000	-7.020000	0.030000	11.590000	0.060000
314	00:56:28	133.285000	-7.040000	0.020000	11.480000	0.050000
315	01:02:15	133.286000	-7.040000	0.110000	11.510000	0.100000
316	01:08:02	133.286000	-7.210000	0.050000	11.450000	0.030000
317	01:13:50	133.286000	-7.290000	0.080000	11.450000	0.030000
318	01:19:36	133.286000	-7.120000	0.090000	11.450000	0.050000
319	01:25:23	133.286000	-7.060000	0.030000	11.610000	0.070000
320	01:31:10	133.286000	-7.070000	0.040000	11.570000	0.060000
321	01:36:56	133.286000	-7.030000	0.040000	11.440000	0.090000
322	01:42:43	133.285000	-6.970000	0.050000	11.480000	0.050000
323	01:48:30	133.285000	-7.020000	0.080000	11.460000	0.080000
324	01:54:16	133.286000	-6.850000	0.020000	11.440000	0.080000
325	02:00:02	133.286000	-6.950000	0.070000	11.590000	0.110000
326	02:05:48	133.286000	-6.740000	0.030000	11.660000	0.040000
327	02:11:34	133.286000	-6.870000	0.040000	11.630000	0.050000
328	02:17:21	133.287000	-6.780000	0.050000	11.620000	0.060000
329	02:23:07	133.285000	-6.820000	0.030000	11.710000	0.050000
330	02:28:53	133.286000	-6.970000	0.060000	11.600000	0.020000
331	02:34:39	133.286000	-6.790000	0.070000	11.770000	0.060000
332	02:40:25	133.286000	-6.910000	0.040000	11.670000	0.080000
333	02:46:12	133.286000	-6.900000	0.030000	11.660000	0.110000
334	02:51:58	133.286000	-6.810000	0.030000	11.510000	0.070000
335	02:57:46	133.286000	-6.910000	0.030000	11.670000	0.090000
336	03:03:32	133.287000	-6.910000	0.010000	11.690000	0.050000
337	03:09:19	133.286000	-6.710000	0.060000	11.550000	0.110000
338	03:15:05	133.287000	-6.890000	0.030000	11.510000	0.090000
339	03:20:51	133.286000	-6.730000	0.060000	11.580000	0.060000
340	03:26:38	133.285000	-6.840000	0.040000	11.610000	0.060000
341	03:32:24	133.286000	-7.010000	0.030000	11.510000	0.110000
342	03:38:11	133.286000	-6.960000	0.030000	11.350000	0.070000
343	03:43:58	133.287000	-7.040000	0.040000	11.250000	0.040000
344	03:49:44	133.287000	-6.970000	0.080000	11.270000	0.050000
345	03:55:30	133.286000	-6.730000	0.070000	11.060000	0.090000
346	04:01:16	133.286000	-6.890000	0.030000	11.230000	0.070000
347	04:07:02	133.286000	-6.930000	0.030000	11.070000	0.040000
348	04:12:48	133.286000	-6.930000	0.030000	11.390000	0.020000
349	04:18:34	133.287000	-6.880000	0.030000	11.150000	0.050000
350	04:24:21	133.286000	-6.800000	0.040000	11.230000	0.110000
351	04:30:07	133.286000	-6.670000	0.050000	11.310000	0.110000
352	04:35:53	133.286000	-6.740000	0.050000	11.240000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
309	23.661377	23.620544	22.608275	24.716523	23.295440	0.500000
310	23.660857	23.606048	22.591339	24.704865	23.286255	0.500000
311	23.667969	23.594728	22.576995	24.692200	23.277556	0.500000
312	23.663392	23.579680	22.565550	24.681122	23.266234	0.500000
313	23.630707	23.579011	22.572569	24.671083	23.256988	0.500000
314	23.690643	23.622283	22.611389	24.660554	23.263823	0.500000
315	23.704376	23.646973	22.641539	24.651704	23.274750	0.500000
316	23.724853	23.648803	22.633881	24.645049	23.277040	0.500000
317	23.661041	23.612456	22.595583	24.634919	23.268738	0.500000
318	23.637633	23.578948	22.561250	24.627594	23.254425	0.500000
319	23.658843	23.572661	22.556457	24.620820	23.243865	0.500000
320	23.643035	23.595429	22.584777	24.612337	23.246034	0.500000
321	23.674347	23.624909	22.610353	24.607453	23.254609	0.500000
322	23.718445	23.620179	22.607270	24.601013	23.254637	0.500000
323	23.628630	23.609740	22.597167	24.593506	23.251465	0.500000
324	23.665556	23.613403	22.596862	24.588134	23.250916	0.500000
325	23.631255	23.614898	22.604707	24.584473	23.253264	0.500000
326	23.616333	23.618226	22.606385	24.574190	23.252410	0.500000
327	23.588776	23.595398	22.585845	24.565340	23.247954	0.500000
328	23.605651	23.575103	22.565460	24.560668	23.240541	0.500000
329	23.606445	23.592835	22.582093	24.554352	23.242156	0.500000
330	23.568878	23.610321	22.600951	24.548401	23.246123	0.500000
331	23.622832	23.615601	22.600128	24.545258	23.248201	0.500000
332	23.579621	23.579986	22.552705	24.537232	23.235962	0.500000
333	23.535370	23.519196	22.492707	24.530793	23.212370	0.500000
334	23.631896	23.464752	22.442169	24.527405	23.191040	0.500000
335	23.690886	23.464203	22.445769	24.520479	23.174866	0.500000
336	23.588867	23.487611	22.470946	24.515625	23.166719	0.500000
337	23.635284	23.534576	22.516602	24.514098	23.171113	0.500000
338	23.624725	23.569184	22.556426	24.509826	23.183136	0.500000
339	23.648924	23.578886	22.561372	24.506683	23.192992	0.500000
340	23.620636	23.526185	22.491882	24.504425	23.178773	0.500000
341	23.658111	23.433105	22.395263	24.503448	23.144441	0.500000
342	23.605926	23.367982	22.327606	24.500428	23.107789	0.500000
343	23.669342	23.326079	22.284761	24.500975	23.075440	0.500000
344	23.583710	23.317017	22.281037	24.496887	23.049713	0.500000
345	23.661193	23.340728	22.308167	24.495729	23.035615	0.500000
346	23.623230	23.389892	22.364134	24.496796	23.037384	0.500000
347	23.598847	23.443208	22.414704	24.492187	23.048859	0.500000
348	23.647766	23.453522	22.425932	24.488129	23.052154	0.500000
349	23.607177	23.445161	22.418608	24.484711	23.054137	0.500000
350	23.587462	23.435120	22.413208	24.485260	23.051331	0.500000
351	23.607146	23.474153	22.448639	24.483674	23.064117	0.500000
352	23.639984	23.505432	22.484009	24.482208	23.078187	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
309	0.000000	1.012269	3.638000e-3
310	0.000000	1.014709	3.638000e-3
311	0.000000	1.017733	3.638000e-3
312	0.000000	1.014130	3.638000e-3
313	0.000000	1.006442	3.638000e-3
314	0.000000	1.010894	3.638000e-3
315	0.000000	1.005434	3.638000e-3
316	0.000000	1.014922	3.638000e-3
317	0.000000	1.016873	3.638000e-3
318	0.000000	1.017698	3.638000e-3
319	0.000000	1.016204	3.638000e-3
320	0.000000	1.010652	3.638000e-3
321	0.000000	1.014556	3.639000e-3
322	0.000000	1.012909	3.638000e-3
323	0.000000	1.012573	3.638000e-3
324	0.000000	1.016541	3.638000e-3
325	0.000000	1.010191	3.638000e-3
326	0.000000	1.011841	3.639000e-3
327	0.000000	1.009553	3.638000e-3
328	0.000000	1.009643	3.638000e-3
329	0.000000	1.010742	3.638000e-3
330	0.000000	1.009370	3.638000e-3
331	0.000000	1.015473	3.639000e-3
332	0.000000	1.027281	3.638000e-3
333	0.000000	1.026489	3.637000e-3
334	0.000000	1.022583	3.637000e-3
335	0.000000	1.018434	3.637000e-3
336	0.000000	1.016665	3.637000e-3
337	0.000000	1.017974	3.638000e-3
338	0.000000	1.012758	3.638000e-3
339	0.000000	1.017514	3.638000e-3
340	0.000000	1.034303	3.637000e-3
341	0.000000	1.037842	3.636000e-3
342	0.000000	1.040376	3.636000e-3
343	0.000000	1.041318	3.635000e-3
344	0.000000	1.035980	3.636000e-3
345	0.000000	1.032561	3.636000e-3
346	0.000000	1.025758	3.636000e-3
347	0.000000	1.028504	3.636000e-3
348	0.000000	1.027590	3.637000e-3
349	0.000000	1.026553	3.636000e-3
350	0.000000	1.021912	3.637000e-3
351	0.000000	1.025514	3.637000e-3
352	0.000000	1.021423	3.638000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
353	04:41:40	133.286000	-6.740000	0.030000	11.270000	0.130000
354	04:47:26	133.286000	-6.700000	0.050000	11.210000	0.070000
355	04:53:12	133.286000	-6.920000	0.020000	11.400000	0.050000
356	04:58:59	133.287000	-6.830000	0.070000	11.350000	0.110000
357	05:04:45	133.286000	-6.880000	0.070000	11.380000	0.050000
358	05:10:31	133.286000	-6.840000	0.040000	11.250000	0.040000
359	05:16:18	133.286000	-6.820000	0.070000	11.120000	0.080000
360	05:22:04	133.286000	-7.050000	0.040000	11.130000	0.070000
361	05:27:51	133.287000	-6.920000	0.070000	11.140000	0.010000
362	05:33:37	133.286000	-6.960000	0.060000	11.130000	0.070000
363	05:39:24	133.287000	-6.940000	0.120000	11.210000	0.110000
364	05:45:12	133.287000	-6.900000	0.080000	11.350000	0.060000
365	05:51:00	133.287000	-6.780000	0.010000	11.460000	0.030000
366	05:56:49	133.286000	-6.780000	0.030000	11.320000	0.110000
367	06:02:37	133.286000	-6.870000	0.030000	11.160000	0.090000
368	06:08:23	133.287000	-6.950000	0.140000	11.230000	0.060000
369	06:14:08	133.287000	-6.920000	0.040000	11.250000	0.040000
370	06:19:54	133.287000	-6.880000	0.080000	11.320000	0.050000
371	06:25:39	133.286000	-6.950000	0.090000	11.330000	0.150000
372	06:31:25	133.286000	-6.750000	0.050000	11.200000	0.070000
373	06:37:10	133.287000	-6.850000	0.060000	11.200000	0.060000
374	06:42:56	133.287000	-6.660000	0.050000	10.910000	0.040000
375	06:48:43	133.287000	-6.870000	0.020000	11.030000	0.060000
376	06:54:29	133.286000	-6.880000	0.030000	11.230000	0.030000
377	07:00:17	133.286000	-6.720000	0.030000	11.040000	0.030000
378	07:06:04	133.287000	-6.810000	0.010000	11.120000	0.040000
379	07:11:49	133.287000	-6.790000	0.060000	11.130000	0.060000
380	07:17:36	133.286000	-6.830000	0.060000	11.340000	0.040000
381	07:23:23	133.286000	-6.900000	0.010000	11.180000	0.070000
382	07:29:09	133.286000	-6.770000	0.050000	11.200000	0.120000
383	07:34:56	133.287000	-6.780000	0.030000	11.120000	0.050000
384	07:40:43	133.286000	-6.890000	0.070000	11.130000	0.020000
385	07:46:29	133.287000	-6.640000	0.110000	11.320000	0.040000
386	07:52:17	133.287000	-6.440000	0.050000	11.720000	0.050000
387	07:58:04	133.287000	-6.540000	0.040000	11.300000	0.040000
388	08:03:51	133.286000	-6.610000	0.060000	11.270000	0.020000
389	08:09:38	133.287000	-6.830000	0.090000	11.190000	0.070000
390	08:15:26	133.287000	-6.650000	0.030000	11.030000	0.070000
391	08:21:13	133.286000	-6.750000	0.060000	10.890000	0.040000
392	08:27:00	133.287000	-6.780000	0.070000	11.000000	0.060000
393	08:32:48	133.286000	-6.770000	0.040000	11.200000	0.060000
394	08:38:35	133.287000	-6.870000	0.050000	11.140000	0.030000
395	08:44:22	133.287000	-6.850000	0.110000	11.120000	0.050000
396	08:50:10	133.287000	-6.720000	0.020000	11.180000	0.080000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
353	23.716187	23.523927	22.498444	24.479644	23.090515	0.500000
354	23.667664	23.509154	22.482452	24.480438	23.097504	0.500000
355	23.663268	23.488312	22.459197	24.481323	23.096008	0.500000
356	23.624725	23.479248	22.455812	24.479186	23.095918	0.500000
357	23.649718	23.504701	22.485167	24.478913	23.104491	0.500000
358	23.669190	23.555541	22.537505	24.480806	23.118654	0.500000
359	23.644561	23.620178	22.604797	24.481018	23.144990	0.500000
360	23.652496	23.666626	22.646637	24.482117	23.170929	0.500000
361	23.686859	23.646637	22.621522	24.484863	23.189148	0.500000
362	23.700683	23.553802	22.511534	24.485716	23.172393	0.500000
363	23.639311	23.438904	22.401397	24.481874	23.133056	0.500000
364	23.637847	23.363617	22.318695	24.482117	23.098512	0.500000
365	23.688170	23.319153	22.278289	24.481323	23.068420	0.500000
366	23.605284	23.316435	22.282837	24.476808	23.043123	0.500000
367	23.607239	23.349426	22.322784	24.472441	23.035614	0.500000
368	23.607544	23.410582	22.382690	24.469635	23.043123	0.500000
369	23.644835	23.449739	22.428589	24.469085	23.053499	0.500000
370	23.582336	23.465729	22.442842	24.467132	23.062224	0.500000
371	23.617248	23.464630	22.440581	24.465332	23.068389	0.500000
372	23.652863	23.479704	22.454102	24.465515	23.067842	0.500000
373	23.627350	23.511199	22.492097	24.462219	23.083313	0.500000
374	23.619110	23.544373	22.524476	24.463165	23.097930	0.500000
375	23.679230	23.547759	22.524262	24.464263	23.111572	0.500000
376	23.588776	23.523071	22.502472	24.460968	23.113952	0.500000
377	23.607635	23.505006	22.478853	24.460387	23.109162	0.500000
378	23.607146	23.509279	22.491975	24.462860	23.112945	0.500000
379	23.612182	23.542633	22.525970	24.461212	23.128509	0.500000
380	23.656952	23.562407	22.541810	24.462616	23.140686	0.500000
381	23.620667	23.556886	22.532838	24.459229	23.146637	0.500000
382	23.655486	23.526979	22.497559	24.459229	23.142701	0.500000
383	23.602385	23.498657	22.475403	24.456055	23.132356	0.500000
384	23.603148	23.510774	22.490782	24.454956	23.134704	0.500000
385	23.472442	23.551177	22.537079	24.450074	23.145842	0.500000
386	23.662810	23.589110	22.567017	24.452272	23.165650	0.500000
387	23.674683	23.573088	22.542968	24.453216	23.167511	0.500000
388	23.646423	23.520507	22.494386	24.451600	23.154540	0.500000
389	23.639099	23.493622	22.470765	24.450958	23.146606	0.500000
390	23.565490	23.509521	22.487854	24.450745	23.142152	0.500000
391	23.641419	23.554657	22.535797	24.452272	23.159637	0.500000
392	23.640472	23.588867	22.569764	24.451568	23.171266	0.500000
393	23.671233	23.594665	22.571626	24.452789	23.176055	0.500000
394	23.634643	23.572998	22.547546	24.454284	23.174500	0.500000
395	23.679962	23.548889	22.523652	24.454224	23.171172	0.500000
396	23.632659	23.553436	22.530761	24.454529	23.172060	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
353	0.000000	1.025483	3.637000e-3
354	0.000000	1.026702	3.637000e-3
355	0.000000	1.029115	3.637000e-3
356	0.000000	1.023436	3.637000e-3
357	0.000000	1.019534	3.638000e-3
358	0.000000	1.018036	3.638000e-3
359	0.000000	1.015381	3.639000e-3
360	0.000000	1.019989	3.639000e-3
361	0.000000	1.025115	3.639000e-3
362	0.000000	1.042268	3.638000e-3
363	0.000000	1.037507	3.636000e-3
364	0.000000	1.044922	3.636000e-3
365	0.000000	1.040864	3.635000e-3
366	0.000000	1.033598	3.636000e-3
367	0.000000	1.026642	3.636000e-3
368	0.000000	1.027892	3.637000e-3
369	0.000000	1.021150	3.637000e-3
370	0.000000	1.022887	3.637000e-3
371	0.000000	1.024049	3.637000e-3
372	0.000000	1.025602	3.637000e-3
373	0.000000	1.019102	3.638000e-3
374	0.000000	1.019897	3.638000e-3
375	0.000000	1.023497	3.638000e-3
376	0.000000	1.020599	3.638000e-3
377	0.000000	1.026153	3.637000e-3
378	0.000000	1.017304	3.638000e-3
379	0.000000	1.016663	3.638000e-3
380	0.000000	1.020597	3.638000e-3
381	0.000000	1.024048	3.638000e-3
382	0.000000	1.029420	3.638000e-3
383	0.000000	1.023254	3.637000e-3
384	0.000000	1.019992	3.638000e-3
385	0.000000	1.014098	3.638000e-3
386	0.000000	1.022093	3.638000e-3
387	0.000000	1.030120	3.638000e-3
388	0.000000	1.026121	3.637000e-3
389	0.000000	1.022857	3.638000e-3
390	0.000000	1.021667	3.638000e-3
391	0.000000	1.018860	3.638000e-3
392	0.000000	1.019103	3.638000e-3
393	0.000000	1.023039	3.638000e-3
394	0.000000	1.025452	3.638000e-3
395	0.000000	1.025237	3.638000e-3
396	0.000000	1.022675	3.638000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
397	08:55:57	133.287000	-6.710000	0.050000	10.990000	0.070000
398	09:01:44	133.286000	-6.790000	0.110000	10.830000	0.080000
399	09:07:31	133.287000	-6.740000	0.060000	11.000000	0.080000
400	09:13:18	133.286000	-6.660000	0.020000	10.930000	0.090000
401	09:19:05	133.286000	-6.790000	0.050000	11.050000	0.030000
402	09:24:51	133.286000	-6.790000	0.030000	11.100000	0.050000
403	09:30:37	133.287000	-6.680000	0.120000	11.220000	0.090000
404	09:36:23	133.287000	-6.690000	0.030000	11.060000	0.050000
405	09:42:09	133.287000	-6.810000	0.020000	11.060000	0.040000
406	09:47:55	133.287000	-6.720000	0.020000	11.040000	0.040000
407	09:53:40	133.286000	-6.690000	0.060000	11.150000	0.090000
408	09:59:26	133.286000	-6.760000	0.010000	11.240000	0.030000
409	10:05:11	133.287000	-6.730000	0.020000	11.130000	0.060000
410	10:10:57	133.286000	-6.530000	0.050000	11.270000	0.070000
411	10:16:42	133.287000	-6.610000	0.090000	10.960000	0.040000
412	10:22:28	133.286000	-6.680000	0.040000	11.020000	0.040000
413	10:28:14	133.287000	-6.540000	0.090000	10.710000	0.070000
414	10:34:00	133.287000	-6.540000	0.080000	11.010000	0.100000
415	10:39:46	133.287000	-6.620000	0.050000	10.880000	0.060000
416	10:45:32	133.287000	-6.540000	0.020000	10.840000	0.070000
417	10:51:17	133.287000	-6.350000	0.040000	10.670000	0.050000
418	10:57:03	133.286000	-6.420000	0.050000	10.860000	0.070000
419	11:02:49	133.286000	-6.670000	0.080000	10.760000	0.040000
420	11:08:34	133.287000	-6.470000	0.040000	10.800000	0.070000
421	11:14:20	133.287000	-6.580000	0.060000	10.870000	0.040000
422	11:20:06	133.287000	-6.380000	0.050000	10.700000	0.080000
423	11:25:52	133.287000	-6.530000	0.070000	10.890000	0.060000
424	11:31:38	133.286000	-6.380000	0.010000	10.600000	0.030000
425	11:37:23	133.288000	-6.590000	0.050000	10.660000	0.050000
426	11:43:09	133.288000	-6.700000	0.040000	10.710000	0.050000
427	11:48:54	133.287000	-6.700000	0.080000	10.750000	0.060000
428	11:54:40	133.287000	-6.640000	0.030000	10.830000	0.040000
429	12:00:25	133.287000	-6.540000	0.050000	10.690000	0.080000
430	12:06:12	133.287000	-6.520000	0.120000	10.870000	0.070000
431	12:11:58	133.287000	-6.670000	0.040000	10.820000	0.070000
432	12:17:44	133.287000	-6.800000	0.070000	11.000000	0.080000
433	12:23:30	133.288000	-6.690000	0.050000	11.050000	0.070000
434	12:29:15	133.287000	-6.620000	0.070000	11.020000	0.100000
435	12:35:01	133.287000	-6.420000	0.030000	10.800000	0.030000
436	12:40:47	133.288000	-6.490000	0.060000	10.690000	0.040000
437	12:46:33	133.287000	-6.500000	0.050000	10.760000	0.030000
438	12:52:19	133.287000	-6.630000	0.030000	10.720000	0.030000
439	12:58:05	133.287000	-6.590000	0.070000	10.740000	0.040000
440	13:03:51	133.287000	-6.580000	0.030000	10.860000	0.050000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
397	23.701050	23.593444	22.573699	24.457946	23.183716	0.500000
398	23.693299	23.622284	22.597839	24.460023	23.197937	0.500000
399	23.664307	23.625978	22.603822	24.463133	23.205046	0.500000
400	23.714537	23.622895	22.604614	24.465057	23.211823	0.500000
401	23.661072	23.651032	22.628509	24.466889	23.221345	0.500000
402	23.691620	23.655333	22.636198	24.468048	23.229156	0.500000
403	23.700408	23.657501	22.633299	24.472290	23.237519	0.500000
404	23.706939	23.657806	22.634399	24.474671	23.245728	0.500000
405	23.684296	23.678711	22.663331	24.474854	23.255584	0.500000
406	23.672547	23.704377	22.682679	24.477296	23.267913	0.500000
407	23.721528	23.708039	22.683869	24.480560	23.281555	0.500000
408	23.744568	23.674653	22.647888	24.484039	23.278871	0.500000
409	23.742492	23.637053	22.607696	24.486022	23.267517	0.500000
410	23.743255	23.631928	22.605377	24.490295	23.263612	0.500000
411	23.762664	23.648924	22.631042	24.491028	23.265045	0.500000
412	23.712706	23.673280	22.656798	24.492066	23.273864	0.500000
413	23.717103	23.677430	22.655975	24.493409	23.278351	0.500000
414	23.693053	23.649201	22.623260	24.494690	23.272490	0.500000
415	23.689179	23.607057	22.576936	24.497192	23.260467	0.500000
416	23.735992	23.598785	22.573274	24.497222	23.249449	0.500000
417	23.726806	23.632477	22.607027	24.499422	23.251404	0.500000
418	23.768494	23.687255	22.668396	24.505921	23.267090	0.500000
419	23.781647	23.752900	22.738921	24.507873	23.295166	0.500000
420	23.725495	23.801728	22.786041	24.510772	23.322205	0.500000
421	23.712706	23.781343	22.752654	24.510560	23.332824	0.500000
422	23.744139	23.690796	22.657807	24.514556	23.315583	0.000000
423	23.734803	23.622620	22.592499	24.515534	23.292663	0.000000
424	23.748137	23.601106	22.575441	24.518065	23.273683	0.500000
425	23.765685	23.608795	22.582307	24.520965	23.267334	0.500000
426	23.777527	23.650575	22.629548	24.523652	23.269469	0.500000
427	23.717987	23.693574	22.683472	24.522888	23.286195	0.500000
428	23.766541	23.727722	22.708983	24.525115	23.301209	0.500000
429	23.738646	23.740387	22.724152	24.526124	23.311858	0.500000
430	23.745636	23.745728	22.734864	24.526276	23.322449	0.500000
431	23.737945	23.760682	22.744812	24.524779	23.334260	0.500000
432	23.745422	23.789124	22.779693	24.524657	23.348816	0.500000
433	23.785004	23.827819	22.819245	24.527984	23.370330	0.500000
434	23.762359	23.858886	22.851654	24.529235	23.395753	0.000000
435	23.739714	23.863158	22.852052	24.529082	23.408997	0.000000
436	23.759675	23.847290	22.834014	24.530425	23.421174	0.000000
437	23.770356	23.834351	22.822418	24.532960	23.424956	0.000000
438	23.795807	23.840638	22.829285	24.538484	23.431944	0.000000
439	23.771362	23.856110	22.847533	24.541716	23.443909	0.000000
440	23.789641	23.885161	22.876191	24.543852	23.456420	0.000000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
397	0.000000	1.019745	3.639000e-3
398	0.000000	1.024445	3.639000e-3
399	0.000000	1.022156	3.639000e-3
400	0.000000	1.018281	3.639000e-3
401	0.000000	1.022523	3.639000e-3
402	0.000000	1.019135	3.639000e-3
403	0.000000	1.024202	3.639000e-3
404	0.000000	1.023407	3.639000e-3
405	0.000000	1.015380	3.640000e-3
406	0.000000	1.021698	3.640000e-3
407	0.000000	1.024170	3.640000e-3
408	0.000000	1.026765	3.639000e-3
409	0.000000	1.029357	3.639000e-3
410	0.000000	1.026551	3.639000e-3
411	0.000000	1.017882	3.639000e-3
412	0.000000	1.016482	3.639000e-3
413	0.000000	1.021455	3.639000e-3
414	0.000000	1.025941	3.639000e-3
415	0.000000	1.030121	3.639000e-3
416	0.000000	1.025511	3.639000e-3
417	0.000000	1.025450	3.639000e-3
418	0.000000	1.018859	3.640000e-3
419	0.000000	1.013979	3.640000e-3
420	0.000000	1.015687	3.641000e-3
421	-0.500000	1.028689	3.641000e-3
422	-0.500000	1.032989	3.639000e-3
423	-0.500000	1.030121	3.639000e-3
424	-0.500000	1.025665	3.639000e-3
425	0.000000	1.026488	3.639000e-3
426	0.000000	1.021027	3.639000e-3
427	0.000000	1.010102	3.640000e-3
428	0.000000	1.018739	3.639000e-3
429	0.000000	1.016235	3.640000e-3
430	0.000000	1.010864	3.641000e-3
431	0.000000	1.015870	3.640000e-3
432	-0.500000	1.009431	3.641000e-3
433	-0.500000	1.008574	3.641000e-3
434	-0.500000	1.007232	3.642000e-3
435	-0.500000	1.011106	3.641000e-3
436	-0.500000	1.013276	3.642000e-3
437	-0.500000	1.011933	3.641000e-3
438	-0.500000	1.011353	3.641000e-3
439	-0.500000	1.008577	3.641000e-3
440	-0.500000	1.008970	3.642000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
441	13:09:36	133.288000	-6.600000	0.090000	10.960000	0.030000
442	13:15:22	133.287000	-6.580000	0.020000	11.050000	0.060000
443	13:21:08	133.288000	-6.470000	0.040000	11.130000	0.010000
444	13:26:54	133.287000	-6.510000	0.040000	11.040000	0.130000
445	13:32:40	133.288000	-6.370000	0.060000	10.840000	0.040000
446	13:38:26	133.287000	-6.370000	0.030000	10.820000	0.050000
447	13:44:12	133.287000	-6.500000	0.040000	10.730000	0.040000
448	13:49:58	133.287000	-6.190000	0.110000	10.640000	0.130000
449	13:55:44	133.287000	-6.400000	0.060000	10.530000	0.090000
450	14:01:29	133.287000	-6.330000	0.050000	10.530000	0.040000
451	14:07:15	133.287000	-6.480000	0.020000	10.610000	0.060000
452	14:13:01	133.287000	-6.570000	0.040000	10.560000	0.040000
453	14:18:47	133.287000	-6.530000	0.030000	10.730000	0.110000
454	14:24:34	133.287000	-6.560000	0.040000	10.850000	0.050000
455	14:30:20	133.287000	-6.540000	0.100000	10.900000	0.050000
456	14:36:07	133.287000	-6.450000	0.040000	10.930000	0.040000
457	14:41:53	133.288000	-6.740000	0.030000	11.030000	0.080000
458	14:47:39	133.288000	-6.720000	0.040000	10.870000	0.090000
459	14:53:25	133.288000	-6.550000	0.110000	10.750000	0.060000
460	14:59:12	133.287000	-6.570000	0.060000	10.790000	0.040000
461	15:04:58	133.287000	-6.380000	0.060000	10.790000	0.030000
462	15:10:44	133.287000	-6.500000	0.050000	10.690000	0.080000
463	15:16:30	133.287000	-6.520000	0.070000	10.750000	0.050000
464	15:22:16	133.289000	-6.610000	0.020000	10.800000	0.050000
465	15:28:02	133.287000	-6.580000	0.040000	10.680000	0.040000
466	15:33:49	133.287000	-6.630000	0.120000	10.740000	0.090000
467	15:39:35	133.288000	-6.560000	0.020000	10.640000	0.070000
468	15:45:22	133.287000	-6.540000	0.050000	10.490000	0.040000
469	15:51:08	133.288000	-6.540000	0.020000	10.270000	0.030000
470	15:56:54	133.286000	-6.560000	0.050000	10.230000	0.050000
471	16:02:41	133.287000	-6.450000	0.060000	10.230000	0.070000
472	16:08:27	133.288000	-6.430000	0.030000	10.270000	0.040000
473	16:14:13	133.287000	-6.570000	0.040000	10.510000	0.080000
474	16:20:00	133.288000	-6.540000	0.040000	10.360000	0.060000
475	16:25:46	133.287000	-6.700000	0.060000	10.230000	0.070000
476	16:31:33	133.288000	-6.660000	0.030000	10.300000	0.090000
477	16:37:19	133.288000	-6.550000	0.050000	10.420000	0.030000
478	16:43:05	133.288000	-6.620000	0.070000	10.400000	0.060000
479	16:48:52	133.288000	-6.620000	0.040000	10.270000	0.050000
480	16:54:39	133.287000	-6.610000	0.100000	10.240000	0.080000
481	17:00:25	133.288000	-6.860000	0.010000	10.370000	0.020000
482	17:06:12	133.288000	-6.900000	0.090000	10.380000	0.050000
483	17:11:59	133.288000	-6.870000	0.110000	10.360000	0.060000
484	17:17:46	133.288000	-6.560000	0.020000	10.130000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um)
441	23.817780	23.925933	22.916443	24.550261	23.477387	0.000000
442	23.792297	23.958924	22.956633	24.550538	23.500124	0.000000
443	23.799927	23.988953	22.981994	24.556670	23.522460	0.000000
444	23.832793	23.990082	22.978057	24.561952	23.538880	0.000000
445	23.827819	23.938599	22.912994	24.568085	23.535219	0.000000
446	23.874480	23.845734	22.813537	24.573517	23.514557	0.000000
447	23.891327	23.750275	22.711549	24.580658	23.472322	0.000000
448	23.878142	23.701813	22.668640	24.585509	23.437317	0.000000
449	23.866882	23.722381	22.697968	24.592681	23.422698	0.000000
450	23.919219	23.802553	22.781708	24.600921	23.433136	0.000000
451	23.931274	23.885893	22.874512	24.609649	23.451813	0.000000
452	23.990905	23.997651	22.987945	24.619263	23.488800	0.000000
453	24.021301	24.100067	23.096009	24.629059	23.544343	0.000000
454	24.013946	24.174409	23.163057	24.638947	23.589783	0.000000
455	23.998992	24.173369	23.153809	24.645813	23.618988	0.000000
456	24.041991	24.098877	23.072541	24.655303	23.626861	0.000000
457	23.992888	24.013734	22.985687	24.664276	23.612977	0.000000
458	24.062926	23.963471	22.936432	24.673552	23.597960	0.000000
459	24.031097	23.961304	22.940979	24.682282	23.595643	0.000000
460	24.064056	24.002319	22.978638	24.691620	23.599333	0.000000
461	24.098448	24.051850	23.037934	24.700379	23.618165	0.000000
462	24.065399	24.113250	23.099274	24.708037	23.643311	0.000000
463	24.077117	24.143587	23.117493	24.718444	23.659973	0.000000
464	24.105286	24.114929	23.087433	24.727203	23.669281	0.000000
465	24.163269	24.047974	23.012633	24.736754	23.653960	0.000000
466	24.149811	23.988983	22.952606	24.746948	23.633333	0.000000
467	24.135651	23.970673	22.936248	24.756685	23.619049	0.000000
468	24.153351	23.987152	22.954649	24.764343	23.615326	0.000000
469	24.185669	24.027191	22.998290	24.774475	23.618806	0.000000
470	24.191131	24.075164	23.047637	24.786287	23.634766	0.000000
471	24.212462	24.123291	23.099975	24.796479	23.655487	0.000000
472	24.211363	24.167418	23.139527	24.808288	23.678222	0.000000
473	24.244322	24.174072	23.141264	24.820129	23.692260	0.000000
474	24.240081	24.129242	23.087890	24.829344	23.691375	0.000000
475	24.314391	24.066193	23.026001	24.841735	23.674958	0.000000
476	24.329528	24.041017	23.002594	24.853088	23.662963	0.000000
477	24.259216	24.058106	23.024841	24.862427	23.657012	0.000000
478	24.308135	24.109376	23.080719	24.874726	23.672243	0.000000
479	24.282746	24.178682	23.149993	24.887084	23.693175	0.000000
480	24.324431	24.224700	23.193085	24.898592	23.716766	0.000000
481	24.322540	24.210267	23.171173	24.910736	23.729890	0.000000
482	24.365265	24.141205	23.094147	24.920502	23.719696	0.000000
483	24.320526	24.066406	23.026643	24.929289	23.693574	0.000000
484	24.346680	24.040284	22.999145	24.938844	23.678557	0.000000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
441	-0.500000	1.009490	3.642000e-3
442	-0.500000	1.002291	3.642000e-3
443	-0.500000	1.006959	3.643000e-3
444	-0.500000	1.012025	3.643000e-3
445	-0.500000	1.025605	3.642000e-3
446	-0.500000	1.032197	3.641000e-3
447	-0.500000	1.038726	3.640000e-3
448	-0.500000	1.033173	3.640000e-3
449	-0.500000	1.024413	3.640000e-3
450	-0.500000	1.020845	3.641000e-3
451	-0.500000	1.011381	3.642000e-3
452	-0.500000	1.009706	3.643000e-3
453	-0.500000	1.004058	3.644000e-3
454	-0.500000	1.011352	3.645000e-3
455	-0.500000	1.019560	3.644000e-3
456	-0.500000	1.026336	3.644000e-3
457	-0.500000	1.028047	3.643000e-3
458	-0.500000	1.027039	3.643000e-3
459	-0.500000	1.020325	3.643000e-3
460	-0.500000	1.023681	3.643000e-3
461	-0.500000	1.013916	3.644000e-3
462	-0.500000	1.013976	3.644000e-3
463	-0.500000	1.026094	3.644000e-3
464	-0.500000	1.027496	3.643000e-3
465	-0.500000	1.035341	3.643000e-3
466	-0.500000	1.036377	3.642000e-3
467	-0.500000	1.034425	3.642000e-3
468	-0.500000	1.032503	3.642000e-3
469	-0.500000	1.028901	3.643000e-3
470	-0.500000	1.027527	3.643000e-3
471	-0.500000	1.023316	3.644000e-3
472	-0.500000	1.027891	3.645000e-3
473	-0.500000	1.032808	3.644000e-3
474	-0.500000	1.041352	3.644000e-3
475	-0.500000	1.040192	3.643000e-3
476	-0.500000	1.038423	3.643000e-3
477	-0.500000	1.033265	3.643000e-3
478	-0.500000	1.028657	3.644000e-3
479	-0.500000	1.028689	3.645000e-3
480	-0.500000	1.031615	3.645000e-3
481	-0.500000	1.039094	3.645000e-3
482	-0.500000	1.047058	3.644000e-3
483	-0.500000	1.039763	3.643000e-3
484	-0.500000	1.041139	3.643000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
485	17:23:33	133.287000	-6.560000	0.050000	10.070000	0.070000
486	17:29:20	133.288000	-6.510000	0.040000	9.940000	0.060000
487	17:35:07	133.288000	-6.600000	0.020000	10.060000	0.070000
488	17:40:54	133.288000	-6.550000	0.030000	10.000000	0.040000
489	17:46:40	133.288000	-6.590000	0.060000	10.160000	0.100000
490	17:52:26	133.288000	-6.500000	0.100000	9.920000	0.030000
491	17:58:13	133.288000	-6.550000	0.060000	9.840000	0.060000
492	18:04:00	133.288000	-6.580000	0.060000	9.790000	0.020000
493	18:09:47	133.288000	-6.560000	0.060000	9.620000	0.050000
494	18:15:34	133.288000	-6.420000	0.120000	9.720000	0.030000
495	18:21:21	133.288000	-6.490000	0.080000	9.770000	0.060000
496	18:27:07	133.288000	-6.380000	0.050000	9.830000	0.060000
497	18:32:54	133.288000	-6.550000	0.060000	9.830000	0.080000
498	18:38:41	133.287000	-6.510000	0.010000	9.890000	0.040000
499	18:44:28	133.288000	-6.600000	0.110000	9.990000	0.090000
500	18:50:14	133.287000	-6.500000	0.040000	10.020000	0.030000
501	18:56:01	133.288000	-6.650000	0.030000	9.970000	0.040000
502	19:01:48	133.288000	-6.670000	0.040000	9.840000	0.080000
503	19:07:35	133.288000	-6.580000	0.090000	9.760000	0.020000
504	19:13:21	133.288000	-6.450000	0.010000	9.710000	0.030000
505	19:19:08	133.288000	-6.470000	0.050000	9.690000	0.050000
506	19:24:55	133.288000	-6.470000	0.050000	9.610000	0.060000
507	19:30:42	133.288000	-6.410000	0.030000	9.770000	0.060000
508	19:36:29	133.287000	-6.510000	0.070000	9.550000	0.040000
509	19:42:17	133.288000	-6.490000	0.030000	9.590000	0.060000
510	19:48:04	133.288000	-6.360000	0.080000	9.490000	0.040000
511	19:53:52	133.288000	-6.440000	0.020000	9.510000	0.040000
512	19:59:39	133.287000	-6.480000	0.140000	9.480000	0.060000
513	20:05:26	133.287000	-6.460000	0.070000	9.490000	0.060000
514	20:11:13	133.287000	-6.360000	0.050000	9.520000	0.030000
515	20:17:01	133.288000	-6.280000	0.010000	9.550000	0.030000
516	20:22:47	133.288000	-6.360000	0.070000	9.700000	0.070000
517	20:28:35	133.288000	-6.430000	0.060000	9.680000	0.070000
518	20:34:22	133.287000	-6.420000	0.050000	9.610000	0.050000
519	20:40:10	133.288000	-6.410000	0.060000	9.680000	0.050000
520	20:45:57	133.289000	-6.310000	0.050000	9.560000	0.030000
521	20:51:45	133.288000	-6.190000	0.060000	9.660000	0.060000
522	20:57:31	133.288000	-6.180000	0.050000	9.630000	0.080000
523	21:03:18	133.288000	-6.230000	0.060000	9.560000	0.070000
524	21:09:05	133.288000	-6.330000	0.080000	9.600000	0.070000
525	21:14:53	133.287000	-6.310000	0.040000	9.570000	0.030000
526	21:20:40	133.288000	-6.320000	0.110000	9.540000	0.090000
527	21:26:28	133.288000	-6.190000	0.040000	9.540000	0.060000
528	21:32:15	133.288000	-6.250000	0.070000	9.820000	0.050000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
485	24.308471	24.054260	23.024780	24.947478	23.669251	0.000000
486	24.392151	24.106171	23.072752	24.958801	23.682618	0.000000
487	24.376769	24.167634	23.140625	24.966767	23.697358	0.000000
488	24.369232	24.203612	23.171448	24.975281	23.718109	0.000000
489	24.313385	24.179078	23.134797	24.983247	23.719850	0.000000
490	24.318604	24.096405	23.051758	24.989563	23.699524	0.000000
491	24.374663	24.022827	22.974182	24.996857	23.677764	0.000000
492	24.356994	23.981413	22.938475	25.003753	23.647277	0.000000
493	24.366059	23.985839	22.941375	25.010407	23.633912	0.000000
494	24.336638	24.008515	22.972780	25.015349	23.629456	0.000000
495	24.358336	24.045501	23.008239	25.020874	23.633027	0.000000
496	24.390990	24.087860	23.056273	25.025665	23.641449	0.000000
497	24.262146	24.132295	23.102234	25.030181	23.660645	0.000000
498	24.409852	24.142761	23.106048	25.034271	23.671753	0.000000
499	24.372100	24.094359	23.048797	25.038605	23.668061	0.000000
500	24.353454	23.995544	22.947204	25.041747	23.635834	0.000000
501	24.310669	23.917816	22.868317	25.044282	23.603332	0.000000
502	24.309997	23.880647	22.837861	25.043518	23.574005	0.000000
503	24.276185	23.880890	22.841064	25.045838	23.553803	0.500000
504	24.254760	23.900237	22.862855	25.043915	23.544679	0.500000
505	24.260253	23.948333	22.915832	25.042357	23.548279	0.500000
506	24.247558	23.987091	22.951416	25.043152	23.557953	0.500000
507	24.217743	24.011352	22.979035	25.040100	23.569214	0.500000
508	24.273314	24.029936	22.997222	25.038757	23.579224	0.500000
509	24.248595	24.010194	22.981657	25.036712	23.580231	0.500000
510	24.219422	23.992524	22.965393	25.032896	23.579896	0.500000
511	24.225800	23.987426	22.957428	25.029998	23.578401	0.500000
512	24.176514	23.980743	22.954802	25.024018	23.577424	0.500000
513	24.215209	23.985382	22.961363	25.019288	23.582306	0.500000
514	24.240691	23.986785	22.963167	25.016480	23.582673	0.500000
515	24.136199	23.999115	22.970672	25.013642	23.585267	0.500000
516	24.115874	24.003722	22.978088	25.008331	23.589599	0.500000
517	24.163117	24.002471	22.981781	25.004546	23.595949	0.500000
518	24.172301	23.985106	22.958284	25.001494	23.593201	0.500000
519	24.132080	23.943877	22.911897	24.996276	23.577056	0.500000
520	24.157958	23.918336	22.887178	24.992309	23.566254	0.500000
521	24.138488	23.922394	22.893919	24.987062	23.557465	0.500000
522	24.124817	23.935669	22.912994	24.980316	23.559328	0.500000
523	24.071960	23.941893	22.917053	24.971923	23.556733	0.500000
524	24.026458	23.911071	22.882659	24.965485	23.550447	0.500000
525	24.031677	23.862854	22.834503	24.959197	23.528533	0.500000
526	24.004700	23.820312	22.794373	24.950377	23.506685	0.500000
527	23.972563	23.805267	22.790313	24.937622	23.492095	0.500000
528	23.971405	23.821717	22.804750	24.926667	23.484560	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
485	-0.500000	1.029480	3.643000e-3
486	-0.500000	1.033419	3.644000e-3
487	-0.500000	1.027009	3.644000e-3
488	-0.500000	1.032164	3.645000e-3
489	-0.500000	1.044281	3.644000e-3
490	-0.500000	1.044647	3.643000e-3
491	-0.500000	1.048645	3.643000e-3
492	-0.500000	1.042938	3.643000e-3
493	-0.500000	1.044464	3.643000e-3
494	-0.500000	1.035735	3.643000e-3
495	-0.500000	1.037262	3.643000e-3
496	-0.500000	1.031587	3.644000e-3
497	-0.500000	1.030061	3.644000e-3
498	-0.500000	1.036713	3.644000e-3
499	-0.500000	1.045562	3.643000e-3
500	-0.500000	1.048340	3.642000e-3
501	-0.500000	1.049499	3.642000e-3
502	-0.500000	1.042786	3.642000e-3
503	-0.500000	1.039826	3.642000e-3
504	-0.500000	1.037382	3.642000e-3
505	-0.500000	1.032501	3.643000e-3
506	-0.500000	1.035675	3.643000e-3
507	-0.500000	1.032317	3.643000e-3
508	-0.500000	1.032714	3.643000e-3
509	-0.500000	1.028537	3.643000e-3
510	-0.500000	1.027131	3.643000e-3
511	-0.500000	1.029998	3.643000e-3
512	-0.500000	1.025941	3.642000e-3
513	-0.500000	1.024019	3.643000e-3
514	-0.500000	1.023618	3.643000e-3
515	-0.500000	1.028443	3.643000e-3
516	-0.500000	1.025634	3.643000e-3
517	-0.500000	1.020690	3.643000e-3
518	-0.500000	1.026822	3.643000e-3
519	-0.500000	1.031980	3.643000e-3
520	-0.500000	1.031158	3.643000e-3
521	-0.500000	1.028475	3.642000e-3
522	-0.500000	1.022675	3.643000e-3
523	-0.500000	1.024840	3.643000e-3
524	-0.500000	1.028412	3.643000e-3
525	-0.500000	1.028351	3.642000e-3
526	-0.500000	1.025939	3.642000e-3
527	-0.500000	1.014954	3.642000e-3
528	-0.500000	1.016967	3.642000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
529	21:38:02	133.287000	-6.350000	0.020000	9.760000	0.050000
530	21:43:49	133.288000	-6.480000	0.020000	9.590000	0.030000
531	21:49:35	133.287000	-6.610000	0.040000	9.730000	0.040000
532	21:55:22	133.288000	-6.680000	0.120000	9.860000	0.020000
533	22:01:09	133.288000	-6.640000	0.030000	9.810000	0.020000
534	22:06:56	133.287000	-6.480000	0.040000	9.910000	0.060000
535	22:12:43	133.288000	-6.410000	0.030000	9.900000	0.060000
536	22:18:30	133.287000	-6.380000	0.070000	9.720000	0.050000
537	22:24:17	133.288000	-6.600000	0.050000	9.700000	0.040000
538	22:30:04	133.288000	-6.590000	0.050000	9.830000	0.070000
539	22:35:51	133.288000	-6.630000	0.060000	9.890000	0.110000
540	22:41:37	133.288000	-6.400000	0.040000	9.590000	0.120000
541	22:47:25	133.288000	-6.340000	0.030000	9.640000	0.050000
542	22:53:13	133.288000	-6.450000	0.040000	9.710000	0.070000
543	22:58:59	133.288000	-6.400000	0.100000	9.600000	0.090000
544	23:04:45	133.289000	-6.580000	0.020000	9.590000	0.050000
545	23:10:31	133.288000	-6.610000	0.090000	9.690000	0.070000
546	23:16:16	133.288000	-6.670000	0.020000	9.920000	0.050000
547	23:22:02	133.288000	-6.580000	0.110000	10.010000	0.050000
548	23:27:49	133.288000	-6.560000	0.050000	10.070000	0.070000
549	23:33:35	133.289000	-6.400000	0.050000	9.930000	0.030000
550	23:39:21	133.287000	-6.630000	0.060000	9.990000	0.050000
551	23:45:07	133.288000	-6.560000	0.020000	9.910000	0.090000
552	23:50:53	133.288000	-6.600000	0.080000	9.960000	0.070000
553	23:56:39	133.288000	-6.550000	0.040000	10.000000	0.020000
554	00:02:25	133.287000	-6.520000	0.130000	9.970000	0.040000
555	00:08:10	133.288000	-6.540000	0.020000	9.910000	0.030000
556	00:13:56	133.288000	-6.640000	0.060000	9.860000	0.060000
557	00:19:43	133.288000	-6.660000	0.050000	9.990000	0.030000
558	00:25:29	133.288000	-6.590000	0.040000	9.890000	0.010000
559	00:31:15	133.288000	-6.580000	0.030000	9.950000	0.060000
560	00:37:00	133.288000	-6.380000	0.070000	9.740000	0.120000
561	00:42:46	133.288000	-6.680000	0.040000	9.990000	0.050000
562	00:48:32	133.288000	-6.630000	0.030000	10.040000	0.060000
563	00:54:18	133.288000	-6.550000	0.020000	10.060000	0.030000
564	01:00:04	133.288000	-6.290000	0.060000	10.150000	0.080000
565	01:05:51	133.288000	-6.460000	0.140000	10.030000	0.040000
566	01:11:39	133.288000	-6.440000	0.050000	10.070000	0.040000
567	01:17:27	133.288000	-6.630000	0.070000	10.200000	0.080000
568	01:23:14	133.288000	-6.540000	0.080000	10.280000	0.110000
569	01:29:02	133.288000	-6.520000	0.020000	10.140000	0.040000
570	01:34:48	133.288000	-6.520000	0.070000	10.130000	0.100000
571	01:40:35	133.288000	-6.450000	0.030000	10.020000	0.090000
572	01:46:22	133.288000	-6.700000	0.080000	10.120000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
529	23.865082	23.823578	22.809082	24.916901	23.478393	0.500000
530	23.940246	23.808837	22.786317	24.907012	23.472504	0.500000
531	23.842651	23.768494	22.750306	24.890931	23.452453	0.500000
532	23.892364	23.743348	22.723938	24.881013	23.437316	0.500000
533	23.833770	23.738098	22.726746	24.868958	23.423615	0.500000
534	23.890595	23.758760	22.750122	24.856352	23.423857	0.500000
535	23.819854	23.773834	22.765076	24.845491	23.421630	0.500000
536	23.854584	23.760802	22.744719	24.834991	23.417632	0.500000
537	23.896210	23.703918	22.677918	24.824892	23.395447	0.500000
538	23.818726	23.592010	22.553801	24.811980	23.350739	0.500000
539	23.831543	23.462340	22.417540	24.801025	23.288270	0.500000
540	23.835387	23.380585	22.334869	24.788909	23.229890	0.500000
541	23.786530	23.355560	22.317016	24.779449	23.184724	0.500000
542	23.845183	23.370087	22.334321	24.769530	23.152375	0.500000
543	23.815186	23.408630	22.376770	24.756133	23.135864	0.500000
544	23.782927	23.467317	22.439790	24.746062	23.135619	0.500000
545	23.734557	23.532196	22.511230	24.739990	23.145599	0.500000
546	23.726043	23.588194	22.570922	24.725983	23.166594	0.500000
547	23.679382	23.611876	22.593873	24.714722	23.177764	0.500000
548	23.779327	23.571868	22.538972	24.708037	23.175934	0.500000
549	23.716797	23.482452	22.457580	24.693787	23.153902	0.500000
550	23.676788	23.442903	22.415649	24.684053	23.131651	0.500000
551	23.704955	23.415344	22.389037	24.673126	23.113466	0.500000
552	23.688445	23.425477	22.405427	24.661224	23.105347	0.500000
553	23.663420	23.475220	22.459015	24.652100	23.111939	0.500000
554	23.724822	23.530821	22.512328	24.639955	23.126436	0.500000
555	23.660950	23.557219	22.542451	24.632842	23.139557	0.500000
556	23.700470	23.566040	22.551484	24.623138	23.149536	0.500000
557	23.642151	23.552398	22.537110	24.613525	23.153596	0.500000
558	23.619110	23.530640	22.511963	24.605011	23.152160	0.500000
559	23.609039	23.522401	22.501862	24.597258	23.150573	0.500000
560	23.648681	23.532929	22.524782	24.588286	23.156677	0.500000
561	23.624083	23.576292	22.573730	24.579710	23.172698	0.500000
562	23.600068	23.614898	22.611938	24.569488	23.189087	0.500000
563	23.574371	23.627319	22.616272	24.564361	23.204255	0.500000
564	23.612580	23.602051	22.592651	24.553833	23.206756	0.500000
565	23.631591	23.574340	22.555999	24.546173	23.202362	0.500000
566	23.655180	23.551025	22.528198	24.539612	23.196227	0.500000
567	23.637175	23.554292	22.536194	24.535796	23.193450	0.500000
568	23.593323	23.584563	22.572326	24.530397	23.201204	0.500000
569	23.652739	23.617492	22.604827	24.528351	23.215575	0.500000
570	23.651306	23.610077	22.599030	24.523224	23.220887	0.500000
571	23.629181	23.579802	22.561156	24.517518	23.214784	0.500000
572	23.615233	23.538391	22.522187	24.511171	23.202147	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
529	0.000000	1.014496	3.642000e-3
530	0.000000	1.022520	3.642000e-3
531	0.000000	1.018188	3.641000e-3
532	0.000000	1.019410	3.641000e-3
533	0.000000	1.011352	3.641000e-3
534	0.000000	1.008638	3.641000e-3
535	0.000000	1.008758	3.641000e-3
536	0.000000	1.016083	3.641000e-3
537	0.000000	1.026000	3.640000e-3
538	0.000000	1.038209	3.639000e-3
539	0.000000	1.044800	3.638000e-3
540	0.000000	1.045716	3.637000e-3
541	0.000000	1.038544	3.637000e-3
542	0.000000	1.035766	3.637000e-3
543	0.000000	1.031860	3.638000e-3
544	0.000000	1.027527	3.639000e-3
545	0.000000	1.020966	3.639000e-3
546	0.000000	1.017272	3.640000e-3
547	0.000000	1.018003	3.640000e-3
548	0.000000	1.032896	3.639000e-3
549	0.000000	1.024872	3.638000e-3
550	0.000000	1.027254	3.638000e-3
551	0.000000	1.026307	3.638000e-3
552	0.000000	1.020050	3.638000e-3
553	0.000000	1.016205	3.639000e-3
554	0.000000	1.018493	3.639000e-3
555	0.000000	1.014768	3.640000e-3
556	0.000000	1.014556	3.640000e-3
557	0.000000	1.015288	3.639000e-3
558	0.000000	1.018677	3.639000e-3
559	0.000000	1.020539	3.640000e-3
560	0.000000	1.008147	3.639000e-3
561	0.000000	1.002562	3.640000e-3
562	0.000000	1.002960	3.640000e-3
563	0.000000	1.011047	3.640000e-3
564	0.000000	1.009400	3.640000e-3
565	0.000000	1.018341	3.639000e-3
566	0.000000	1.022827	3.640000e-3
567	0.000000	1.018098	3.640000e-3
568	0.000000	1.012237	3.640000e-3
569	0.000000	1.012665	3.640000e-3
570	0.000000	1.011047	3.640000e-3
571	0.000000	1.018646	3.640000e-3
572	0.000000	1.016204	3.639000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
573	01:52:10	133.288000	-6.520000	0.100000	9.890000	0.050000
574	01:57:58	133.288000	-6.540000	0.020000	9.920000	0.020000
575	02:03:46	133.288000	-6.670000	0.080000	10.050000	0.040000
576	02:09:33	133.288000	-6.430000	0.110000	10.150000	0.100000
577	02:15:21	133.288000	-6.420000	0.030000	10.190000	0.030000
578	02:21:08	133.288000	-6.400000	0.080000	10.040000	0.070000
579	02:26:56	133.288000	-6.450000	0.030000	10.170000	0.070000
580	02:32:44	133.289000	-6.470000	0.040000	10.130000	0.060000
581	02:38:31	133.288000	-6.460000	0.040000	10.070000	0.080000
582	02:44:20	133.289000	-6.520000	0.010000	10.010000	0.080000
583	02:50:08	133.289000	-6.430000	0.120000	10.160000	0.040000
584	02:55:55	133.288000	-6.330000	0.020000	9.910000	0.080000
585	03:01:43	133.288000	-6.500000	0.020000	9.790000	0.060000
586	03:07:30	133.288000	-6.570000	0.070000	9.660000	0.060000
587	03:13:18	133.288000	-6.590000	0.050000	9.700000	0.070000
588	03:19:06	133.288000	-6.580000	0.090000	9.850000	0.120000
589	03:24:54	133.288000	-6.480000	0.030000	9.950000	0.060000
590	03:30:42	133.288000	-6.110000	0.070000	9.870000	0.050000
591	03:36:30	133.289000	-6.230000	0.070000	10.010000	0.100000
592	03:42:19	133.289000	-6.260000	0.050000	9.810000	0.040000
593	03:48:06	133.289000	-6.330000	0.040000	9.840000	0.060000
594	03:53:54	133.288000	-6.550000	0.050000	10.100000	0.100000
595	03:59:42	133.288000	-6.460000	0.080000	10.320000	0.090000
596	04:05:29	133.289000	-6.640000	0.080000	10.130000	0.050000
597	04:11:17	133.288000	-6.510000	0.050000	10.200000	0.080000
598	04:17:05	133.288000	-6.400000	0.090000	10.000000	0.100000
599	04:22:53	133.289000	-6.450000	0.030000	9.970000	0.020000
600	04:28:40	133.289000	-6.500000	0.040000	9.980000	0.110000
601	04:34:29	133.289000	-6.440000	0.030000	10.000000	0.070000
602	04:40:14	133.288000	-6.330000	0.070000	9.970000	0.120000
603	04:46:00	133.289000	-6.350000	0.080000	10.120000	0.060000
604	04:51:45	133.288000	-6.360000	0.020000	10.130000	0.070000
605	04:57:31	133.288000	-6.500000	0.070000	10.010000	0.050000
606	05:03:17	133.289000	-6.440000	0.110000	9.940000	0.080000
607	05:09:03	133.288000	-6.460000	0.040000	9.990000	0.070000
608	05:14:49	133.288000	-6.500000	0.050000	9.940000	0.030000
609	05:20:34	133.289000	-6.280000	0.060000	9.840000	0.060000
610	05:26:20	133.287000	-6.320000	0.070000	9.860000	0.080000
611	05:32:06	133.289000	-6.230000	0.070000	9.860000	0.070000
612	05:37:51	133.288000	-6.220000	0.030000	9.800000	0.070000
613	05:43:38	133.288000	-6.310000	0.050000	9.900000	0.100000
614	05:49:24	133.289000	-6.350000	0.050000	9.870000	0.120000
615	05:55:10	133.289000	-6.240000	0.020000	9.840000	0.080000
616	06:00:56	133.289000	-6.200000	0.040000	9.810000	0.010000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
573	23.614196	23.522156	22.505861	24.507536	23.192993	0.500000
574	23.534393	23.546142	22.533843	24.501585	23.193024	0.500000
575	23.611481	23.593292	22.590422	24.494690	23.205687	0.500000
576	23.608155	23.654695	22.655426	24.491334	23.228516	0.500000
577	23.595824	23.710999	22.714813	24.486937	23.256469	0.500000
578	23.591125	23.731049	22.725251	24.483001	23.280882	0.500000
579	23.560028	23.664918	22.643128	24.477571	23.272795	0.500000
580	23.635649	23.546539	22.516084	24.474060	23.242218	0.500000
581	23.571135	23.439606	22.412110	24.468750	23.200011	0.500000
582	23.525238	23.373688	22.346008	24.462617	23.156465	0.500000
583	23.535339	23.337250	22.308654	24.457612	23.120391	0.500000
584	23.547058	23.334289	22.308565	24.453369	23.095887	0.500000
585	23.570313	23.380522	22.357330	24.450926	23.086365	0.500000
586	23.594849	23.446320	22.430481	24.448394	23.094818	0.500000
587	23.612792	23.507964	22.493102	24.445433	23.108458	0.500000
588	23.597748	23.547302	22.526488	24.443329	23.124359	0.500000
589	23.612487	23.565705	22.547455	24.442964	23.137664	0.500000
590	23.582091	23.576233	22.552521	24.444305	23.147157	0.500000
591	23.607819	23.560091	22.548186	24.442201	23.155395	0.500000
592	23.607635	23.600159	22.586060	24.441344	23.164703	0.500000
593	23.568053	23.638062	22.631592	24.440217	23.188293	0.500000
594	23.622405	23.650146	22.644501	24.437682	23.209748	0.500000
595	23.572082	23.635833	22.634186	24.435394	23.219878	0.500000
596	23.574309	23.625732	22.617888	24.433046	23.223482	0.500000
597	23.612091	23.616118	22.604890	24.433226	23.226014	0.500000
598	23.659424	23.608946	22.595583	24.432158	23.227571	0.500000
599	23.598906	23.605226	22.590423	24.433288	23.228851	0.500000
600	23.609070	23.602905	22.586487	24.431732	23.228454	0.500000
601	23.620972	23.591156	22.574738	24.433289	23.223694	0.500000
602	23.621094	23.577513	22.560760	24.432373	23.221130	0.500000
603	23.623900	23.575196	22.557159	24.430390	23.216979	0.500000
604	23.592407	23.565522	22.549774	24.430451	23.213868	0.500000
605	23.574097	23.572298	22.552887	24.428010	23.210480	0.500000
606	23.644866	23.569305	22.550049	24.429505	23.208251	0.500000
607	23.611969	23.569427	22.552918	24.427307	23.204132	0.500000
608	23.630585	23.568359	22.543397	24.428223	23.204314	0.500000
609	23.570771	23.546783	22.527709	24.427948	23.194795	0.500000
610	23.546447	23.545838	22.525056	24.424165	23.187104	0.500000
611	23.607330	23.566651	22.553801	24.424529	23.193574	0.500000
612	23.541443	23.619110	22.608153	24.425628	23.209413	0.500000
613	23.643860	23.648712	22.630188	24.425049	23.226381	0.500000
614	23.661284	23.637146	22.618623	24.423644	23.232848	0.500000
615	23.620574	23.608946	22.592500	24.423706	23.230165	0.500000
616	23.634490	23.590056	22.569976	24.425080	23.223967	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
573	0.000000	1.016295	3.639000e-3
574	0.000000	1.012299	3.640000e-3
575	0.000000	1.002870	3.640000e-3
576	0.000000	0.999269	3.641000e-3
577	0.000000	0.996186	3.641000e-3
578	0.000000	1.005798	3.642000e-3
579	0.000000	1.021790	3.640000e-3
580	0.000000	1.030455	3.639000e-3
581	0.000000	1.027496	3.638000e-3
582	0.000000	1.027680	3.638000e-3
583	0.000000	1.028596	3.637000e-3
584	0.000000	1.025724	3.638000e-3
585	0.000000	1.023192	3.637000e-3
586	0.000000	1.015839	3.639000e-3
587	0.000000	1.014862	3.639000e-3
588	0.000000	1.020814	3.639000e-3
589	0.000000	1.018250	3.640000e-3
590	0.000000	1.023712	3.640000e-3
591	0.000000	1.011905	3.640000e-3
592	0.000000	1.014099	3.640000e-3
593	0.000000	1.006470	3.640000e-3
594	0.000000	1.005645	3.641000e-3
595	0.000000	1.001647	3.641000e-3
596	0.000000	1.007844	3.640000e-3
597	0.000000	1.011228	3.641000e-3
598	0.000000	1.013363	3.640000e-3
599	0.000000	1.014803	3.640000e-3
600	0.000000	1.016418	3.640000e-3
601	0.000000	1.016418	3.640000e-3
602	0.000000	1.016753	3.640000e-3
603	0.000000	1.018037	3.640000e-3
604	0.000000	1.015748	3.640000e-3
605	0.000000	1.019411	3.640000e-3
606	0.000000	1.019256	3.640000e-3
607	0.000000	1.016509	3.640000e-3
608	0.000000	1.024962	3.640000e-3
609	0.000000	1.019074	3.640000e-3
610	0.000000	1.020782	3.640000e-3
611	0.000000	1.012850	3.640000e-3
612	0.000000	1.010957	3.641000e-3
613	0.000000	1.018524	3.641000e-3
614	0.000000	1.018523	3.641000e-3
615	0.000000	1.016446	3.640000e-3
616	0.000000	1.020080	3.640000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
617	06:06:42	133.288000	-6.140000	0.020000	9.760000	0.030000
618	06:12:28	133.289000	-6.110000	0.100000	9.570000	0.060000
619	06:18:14	133.288000	-6.270000	0.030000	9.760000	0.050000
620	06:24:01	133.288000	-6.200000	0.050000	9.790000	0.040000
621	06:29:47	133.288000	-6.290000	0.050000	9.760000	0.040000
622	06:35:33	133.288000	-6.070000	0.040000	9.740000	0.030000
623	06:41:19	133.288000	-6.090000	0.030000	9.660000	0.060000
624	06:47:06	133.288000	-6.210000	0.060000	9.630000	0.050000
625	06:52:51	133.289000	-6.250000	0.070000	9.690000	0.090000
626	06:58:36	133.289000	-6.110000	0.040000	9.880000	0.060000
627	07:04:23	133.288000	-6.190000	0.030000	10.000000	0.070000
628	07:10:10	133.288000	-6.030000	0.040000	9.790000	0.020000
629	07:15:56	133.289000	-6.020000	0.040000	9.790000	0.080000
630	07:21:43	133.288000	-6.350000	0.060000	10.030000	0.060000
631	07:27:29	133.288000	-6.420000	0.100000	9.970000	0.040000
632	07:33:15	133.289000	-6.390000	0.080000	10.050000	0.020000
633	07:39:02	133.289000	-6.300000	0.010000	10.100000	0.030000
634	07:44:48	133.289000	-6.300000	0.030000	9.980000	0.100000
635	07:50:34	133.289000	-6.350000	0.060000	9.970000	0.090000
636	07:56:20	133.289000	-6.300000	0.090000	9.770000	0.050000
637	08:02:07	133.289000	-6.350000	0.020000	9.820000	0.040000
638	08:07:54	133.289000	-6.580000	0.060000	9.950000	0.070000
639	08:13:40	133.289000	-6.440000	0.100000	10.020000	0.060000
640	08:19:27	133.288000	-6.160000	0.010000	9.900000	0.060000
641	08:25:14	133.289000	-6.290000	0.020000	9.820000	0.040000
642	08:31:01	133.289000	-6.390000	0.090000	9.750000	0.040000
643	08:36:48	133.289000	-6.410000	0.060000	9.800000	0.060000
644	08:42:35	133.288000	-6.410000	0.030000	9.720000	0.030000
645	08:48:21	133.289000	-6.350000	0.040000	9.900000	0.030000
646	08:54:08	133.289000	-6.260000	0.120000	9.940000	0.070000
647	08:59:55	133.289000	-6.150000	0.040000	9.790000	0.030000
648	09:05:42	133.289000	-6.320000	0.040000	9.790000	0.030000
649	09:11:29	133.289000	-6.460000	0.040000	9.870000	0.060000
650	09:17:16	133.289000	-6.480000	0.020000	10.050000	0.040000
651	09:23:03	133.289000	-6.360000	0.090000	10.190000	0.040000
652	09:28:50	133.288000	-6.420000	0.090000	10.130000	0.040000
653	09:34:37	133.289000	-6.290000	0.070000	9.920000	0.020000
654	09:40:23	133.289000	-6.430000	0.020000	9.990000	0.110000
655	09:46:10	133.289000	-6.450000	0.030000	10.020000	0.100000
656	09:51:56	133.289000	-6.210000	0.070000	9.810000	0.060000
657	09:57:43	133.289000	-6.330000	0.050000	9.840000	0.050000
658	10:03:30	133.289000	-6.160000	0.010000	9.650000	0.060000
659	10:09:17	133.289000	-6.200000	0.120000	9.360000	0.060000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
617	23.572266	23.578277	22.559753	24.424469	23.216370	0.500000
618	23.638520	23.606505	22.594696	24.424348	23.224671	0.500000
619	23.604216	23.659332	22.641081	24.423890	23.238220	0.500000
620	23.644804	23.682923	22.658753	24.426817	23.254610	0.500000
621	23.651642	23.677000	22.653229	24.429689	23.258453	0.500000
622	23.694977	23.659332	22.635712	24.432158	23.263886	0.500000
623	23.646881	23.649780	22.628815	24.434600	23.263702	0.500000
624	23.675384	23.646667	22.621124	24.436218	23.261657	0.500000
625	23.705382	23.648498	22.622619	24.439240	23.263580	0.500000
626	23.714752	23.647613	22.617766	24.443207	23.263031	0.500000
627	23.683104	23.646423	22.621765	24.442597	23.265167	0.500000
628	23.661437	23.643647	22.614441	24.444854	23.260192	0.500000
629	23.713316	23.635223	22.605559	24.448548	23.258331	0.500000
630	23.657410	23.653290	22.632598	24.449800	23.264679	0.500000
631	23.624145	23.710480	22.688355	24.452179	23.280976	0.500000
632	23.694672	23.751893	22.730345	24.455872	23.302674	0.500000
633	23.747954	23.769958	22.752350	24.459412	23.321411	0.500000
634	23.744323	23.762786	22.742830	24.461181	23.331389	0.500000
635	23.732879	23.745180	22.721679	24.464601	23.334534	0.000000
636	23.780364	23.736083	22.711212	24.468841	23.337340	0.000000
637	23.755583	23.731811	22.705872	24.471831	23.337218	0.000000
638	23.755249	23.735779	22.708405	24.475341	23.343536	0.000000
639	23.760132	23.738770	22.711944	24.480223	23.339781	0.000000
640	23.771972	23.745574	22.716155	24.484528	23.345428	0.000000
641	23.830018	23.754974	22.723815	24.491210	23.350005	0.000000
642	23.802306	23.757873	22.727751	24.497864	23.356537	0.000000
643	23.804748	23.763702	22.734832	24.503479	23.357606	0.000000
644	23.833222	23.778076	22.744294	24.510712	23.362669	0.000000
645	23.809173	23.781249	22.753022	24.516510	23.368194	0.000000
646	23.854155	23.791688	22.762635	24.523285	23.373597	0.000000
647	23.833129	23.814881	22.784881	24.530272	23.384094	0.000000
648	23.873076	23.826631	22.795319	24.536469	23.394654	0.000000
649	23.896636	23.839937	22.812958	24.544435	23.403259	0.000000
650	23.869903	23.874144	22.856965	24.551178	23.420716	0.000000
651	23.885893	23.934845	22.912050	24.558074	23.446350	0.000000
652	23.912658	23.976379	22.953034	24.567382	23.475615	0.000000
653	23.972442	23.988556	22.963319	24.577485	23.501983	0.000000
654	24.025299	23.937531	22.895019	24.587098	23.501556	0.000000
655	23.965759	23.828888	22.775941	24.596467	23.472963	0.000000
656	23.976988	23.729949	22.682190	24.603819	23.433350	0.000000
657	23.968658	23.694001	22.646546	24.613100	23.400604	0.000000
658	24.027373	23.718872	22.674713	24.622313	23.388550	0.000000
659	24.019227	23.789399	22.756105	24.632507	23.399659	0.000000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
617	0.000000	1.018524	3.640000e-3
618	0.000000	1.011809	3.640000e-3
619	0.000000	1.018251	3.641000e-3
620	0.000000	1.024170	3.641000e-3
621	0.000000	1.023771	3.641000e-3
622	0.000000	1.023620	3.641000e-3
623	0.000000	1.020965	3.641000e-3
624	0.000000	1.025543	3.641000e-3
625	0.000000	1.025879	3.641000e-3
626	0.000000	1.029847	3.641000e-3
627	0.000000	1.024658	3.641000e-3
628	0.000000	1.029206	3.641000e-3
629	0.000000	1.029664	3.641000e-3
630	0.000000	1.020692	3.641000e-3
631	0.000000	1.022125	3.641000e-3
632	0.000000	1.021548	3.642000e-3
633	-0.500000	1.017608	3.642000e-3
634	-0.500000	1.019956	3.642000e-3
635	-0.500000	1.023501	3.641000e-3
636	-0.500000	1.024871	3.642000e-3
637	-0.500000	1.025939	3.642000e-3
638	-0.500000	1.027374	3.642000e-3
639	-0.500000	1.026826	3.642000e-3
640	-0.500000	1.029419	3.642000e-3
641	-0.500000	1.031159	3.642000e-3
642	-0.500000	1.030122	3.642000e-3
643	-0.500000	1.028870	3.642000e-3
644	-0.500000	1.033782	3.642000e-3
645	-0.500000	1.028227	3.642000e-3
646	-0.500000	1.029053	3.642000e-3
647	-0.500000	1.030000	3.642000e-3
648	-0.500000	1.031312	3.643000e-3
649	-0.500000	1.026979	3.643000e-3
650	-0.500000	1.017179	3.643000e-3
651	-0.500000	1.022795	3.644000e-3
652	-0.500000	1.023345	3.644000e-3
653	-0.500000	1.025237	3.644000e-3
654	-0.500000	1.042512	3.643000e-3
655	-0.500000	1.052947	3.642000e-3
656	-0.500000	1.047759	3.641000e-3
657	-0.500000	1.047455	3.641000e-3
658	-0.500000	1.044159	3.641000e-3
659	-0.500000	1.033294	3.642000e-3