

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
1	16:54:46	133.299000	9.790000	0.050000	10.830000	0.050000
2	17:00:35	133.298000	9.900000	0.050000	10.980000	0.080000
3	17:06:24	133.299000	9.720000	0.030000	11.140000	0.060000
4	17:12:14	133.298000	9.820000	0.090000	11.090000	0.050000
5	17:18:05	133.299000	9.980000	0.120000	10.880000	0.080000
6	17:23:55	133.299000	9.970000	0.030000	10.740000	0.050000
7	17:29:45	133.298000	9.760000	0.030000	10.870000	0.080000
8	17:35:35	133.298000	9.920000	0.110000	10.940000	0.100000
9	17:41:25	133.299000	9.940000	0.050000	11.040000	0.090000
10	17:47:14	133.299000	9.920000	0.050000	10.880000	0.020000
11	17:53:03	133.299000	9.880000	0.000000	10.940000	0.030000
12	17:58:53	133.299000	9.820000	0.050000	10.860000	0.050000
13	18:04:42	133.299000	9.880000	0.030000	10.940000	0.050000
14	18:10:32	133.299000	9.930000	0.070000	10.690000	0.050000
15	18:16:21	133.299000	9.870000	0.050000	10.720000	0.020000
16	18:22:11	133.299000	9.720000	0.050000	10.700000	0.060000
17	18:28:01	133.298000	9.780000	0.030000	10.840000	0.070000
18	18:33:51	133.298000	9.990000	0.040000	10.820000	0.040000
19	18:39:42	133.299000	10.070000	0.040000	10.760000	0.050000
20	18:45:31	133.299000	10.100000	0.080000	10.930000	0.060000
21	18:51:19	133.299000	9.990000	0.030000	10.890000	0.060000
22	18:57:08	133.299000	9.960000	0.060000	10.850000	0.060000
23	19:02:55	133.299000	9.840000	0.040000	10.990000	0.090000
24	19:08:42	133.298000	9.920000	0.040000	10.930000	0.100000
25	19:14:30	133.299000	9.950000	0.030000	10.870000	0.030000
26	19:20:17	133.299000	9.940000	0.030000	10.830000	0.080000
27	19:26:04	133.299000	9.840000	0.040000	10.850000	0.040000
28	19:31:52	133.299000	9.960000	0.100000	10.810000	0.050000
29	19:37:39	133.299000	10.000000	0.020000	11.050000	0.060000
30	19:43:27	133.298000	9.920000	0.040000	11.160000	0.010000
31	19:49:14	133.299000	9.930000	0.010000	11.090000	0.040000
32	19:55:01	133.299000	9.830000	0.020000	10.990000	0.050000
33	20:00:49	133.298000	9.810000	0.050000	11.020000	0.080000
34	20:06:36	133.299000	9.810000	0.060000	11.010000	0.090000
35	20:12:23	133.299000	9.800000	0.040000	10.920000	0.050000
36	20:18:11	133.299000	9.860000	0.050000	11.080000	0.050000
37	20:23:58	133.299000	9.760000	0.040000	10.940000	0.040000
38	20:29:46	133.299000	9.860000	0.110000	10.960000	0.060000
39	20:35:33	133.299000	10.010000	0.040000	11.040000	0.020000
40	20:41:21	133.299000	10.010000	0.040000	10.950000	0.080000
41	20:47:08	133.299000	9.900000	0.030000	10.960000	0.040000
42	20:52:56	133.299000	9.820000	0.120000	10.890000	0.080000
43	20:58:43	133.299000	9.900000	0.040000	10.980000	0.040000
44	21:04:30	133.299000	9.930000	0.090000	10.670000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
1	22.859039	24.066742	23.039336	23.588989	23.646760	0.500000
2	22.802796	24.141205	23.053985	23.594087	23.666993	0.500000
3	22.854704	24.132781	23.071656	23.595491	23.674652	0.500000
4	22.776489	24.144714	23.072814	23.601288	23.685425	0.500000
5	22.930724	24.114470	23.060486	23.604553	23.689789	0.500000
6	22.915282	24.094939	23.031374	23.610198	23.685608	0.500000
7	22.823212	24.063782	23.001618	23.613098	23.679657	0.500000
8	22.880523	24.023652	22.971923	23.616821	23.667511	0.500000
9	22.871429	23.994079	22.943268	23.619416	23.648468	0.500000
10	22.888762	23.972625	22.918366	23.622711	23.638215	0.500000
11	22.901549	23.948334	22.881379	23.623231	23.619568	0.500000
12	22.795014	23.881835	22.846895	23.625641	23.595032	0.500000
13	22.754027	23.894074	22.821013	23.625915	23.577302	0.500000
14	22.867157	23.856111	22.803101	23.625335	23.555084	0.500000
15	22.820525	23.843110	22.797942	23.627839	23.539978	0.500000
16	22.850251	23.904814	22.843322	23.629851	23.540434	0.500000
17	22.807953	23.976531	22.919068	23.632570	23.553192	0.500000
18	22.781128	24.050446	22.988313	23.633759	23.579224	0.500000
19	22.844758	24.082306	23.034149	23.632477	23.600739	0.500000
20	22.794556	24.099396	23.042298	23.634766	23.618255	0.500000
21	22.886383	24.070801	23.016600	23.638579	23.624511	0.500000
22	22.988524	24.027161	22.970671	23.640289	23.617921	0.500000
23	22.925200	23.978271	22.908539	23.644836	23.604095	0.500000
24	22.796478	23.883546	22.836395	23.647736	23.575807	0.500000
25	22.883391	23.847565	22.797180	23.651549	23.547638	0.500000
26	22.921295	23.870576	22.828460	23.652954	23.541412	0.500000
27	22.914612	23.938567	22.882600	23.654754	23.548340	0.500000
28	22.864685	24.000764	22.954285	23.652130	23.565278	0.500000
29	22.844634	24.088103	23.022003	23.649780	23.594238	0.500000
30	22.891907	24.095369	23.033143	23.648071	23.614349	0.500000
31	22.811157	24.056061	22.980589	23.644074	23.617339	0.500000
32	22.762298	23.984497	22.880738	23.639617	23.596039	0.500000
33	22.683501	23.862242	22.768828	23.635927	23.558472	0.500000
34	22.766082	23.792998	22.704590	23.633027	23.522888	0.500000
35	22.684111	23.788452	22.705504	23.627319	23.499146	0.500000
36	22.767424	23.805909	22.736085	23.625305	23.488281	0.500000
37	22.741363	23.855438	22.773102	23.619689	23.487611	0.500000
38	22.673096	23.889893	22.834625	23.613282	23.494811	0.500000
39	22.753875	23.955200	22.879943	23.611512	23.513183	0.500000
40	22.649230	23.931884	22.861206	23.607758	23.515351	0.500000
41	22.779388	23.847962	22.773468	23.603731	23.493590	0.500000
42	22.756195	23.746369	22.666443	23.601837	23.456238	0.500000
43	22.716002	23.675811	22.603332	23.595244	23.420410	0.500000
44	22.736573	23.682465	22.588563	23.591582	23.395018	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
1	0.000000	1.027406	3.657000e-3
2	0.000000	1.087220	3.658000e-3
3	0.000000	1.061125	3.658000e-3
4	0.000000	1.071900	3.658000e-3
5	0.000000	1.053984	3.659000e-3
6	0.000000	1.063565	3.657000e-3
7	0.000000	1.062164	3.658000e-3
8	0.000000	1.051729	3.657000e-3
9	0.000000	1.050811	3.657000e-3
10	0.000000	1.054259	3.656000e-3
11	0.000000	1.066955	3.657000e-3
12	0.000000	1.034940	3.656000e-3
13	0.000000	1.073061	3.656000e-3
14	0.000000	1.053010	3.656000e-3
15	0.000000	1.045168	3.656000e-3
16	0.500000	1.061492	3.657000e-3
17	0.500000	1.057463	3.657000e-3
18	0.500000	1.062133	3.658000e-3
19	0.500000	1.048157	3.658000e-3
20	0.000000	1.057098	3.658000e-3
21	0.000000	1.054201	3.657000e-3
22	0.000000	1.056490	3.657000e-3
23	0.000000	1.069732	3.657000e-3
24	0.000000	1.047151	3.656000e-3
25	0.000000	1.050385	3.656000e-3
26	0.000000	1.042116	3.656000e-3
27	0.000000	1.055967	3.657000e-3
28	0.500000	1.046479	3.657000e-3
29	0.500000	1.066100	3.658000e-3
30	0.000000	1.062226	3.659000e-3
31	0.000000	1.075472	3.657000e-3
32	0.000000	1.103759	3.656000e-3
33	0.000000	1.093414	3.656000e-3
34	0.000000	1.088408	3.655000e-3
35	0.500000	1.082948	3.656000e-3
36	0.500000	1.069824	3.655000e-3
37	0.500000	1.082336	3.656000e-3
38	0.500000	1.055268	3.657000e-3
39	0.500000	1.075257	3.657000e-3
40	0.500000	1.070678	3.657000e-3
41	0.500000	1.074494	3.656000e-3
42	0.500000	1.079926	3.655000e-3
43	0.500000	1.072479	3.655000e-3
44	0.500000	1.093902	3.655000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
45	21:10:18	133.299000	9.720000	0.020000	10.810000	0.020000
46	21:16:06	133.299000	9.790000	0.080000	10.670000	0.090000
47	21:21:54	133.298000	9.790000	0.030000	10.820000	0.100000
48	21:27:42	133.299000	9.750000	0.070000	10.840000	0.060000
49	21:33:31	133.299000	9.800000	0.020000	10.760000	0.050000
50	21:39:19	133.299000	9.970000	0.040000	10.940000	0.050000
51	21:45:07	133.299000	9.980000	0.040000	10.910000	0.080000
52	21:50:55	133.299000	9.830000	0.060000	10.770000	0.050000
53	21:56:43	133.298000	9.740000	0.050000	10.940000	0.070000
54	22:02:31	133.299000	9.780000	0.060000	10.790000	0.080000
55	22:08:20	133.299000	9.850000	0.040000	10.700000	0.080000
56	22:14:09	133.299000	9.830000	0.030000	10.710000	0.060000
57	22:19:57	133.299000	10.040000	0.060000	10.580000	0.080000
58	22:25:45	133.299000	9.950000	0.040000	10.520000	0.050000
59	22:31:33	133.298000	9.890000	0.030000	10.340000	0.090000
60	22:37:21	133.299000	9.760000	0.020000	10.660000	0.080000
61	22:43:09	133.299000	9.660000	0.040000	10.830000	0.100000
62	22:48:57	133.298000	9.780000	0.030000	10.780000	0.010000
63	22:54:45	133.300000	9.740000	0.080000	10.800000	0.060000
64	23:00:33	133.299000	9.760000	0.080000	10.760000	0.090000
65	23:06:21	133.298000	9.540000	0.050000	10.620000	0.050000
66	23:12:09	133.299000	9.600000	0.050000	10.760000	0.050000
67	23:17:57	133.299000	9.580000	0.050000	10.760000	0.060000
68	23:23:45	133.299000	9.670000	0.020000	10.830000	0.050000
69	23:29:33	133.299000	9.840000	0.110000	10.800000	0.040000
70	23:35:22	133.298000	9.700000	0.060000	10.780000	0.040000
71	23:41:10	133.299000	9.560000	0.050000	10.670000	0.080000
72	23:46:58	133.299000	9.670000	0.080000	10.810000	0.060000
73	23:52:46	133.299000	9.810000	0.040000	10.770000	0.020000
74	23:58:34	133.299000	9.840000	0.110000	10.860000	0.030000
75	00:04:22	133.299000	9.860000	0.120000	10.780000	0.090000
76	00:10:10	133.299000	9.780000	0.130000	10.790000	0.040000
77	00:15:58	133.298000	9.780000	0.040000	10.770000	0.050000
78	00:21:47	133.298000	9.630000	0.060000	10.770000	0.040000
79	00:27:35	133.299000	9.800000	0.080000	11.000000	0.040000
80	00:33:24	133.299000	9.720000	0.040000	11.200000	0.010000
81	00:39:12	133.299000	9.880000	0.070000	10.990000	0.060000
82	00:45:00	133.299000	9.790000	0.050000	10.880000	0.050000
83	00:50:48	133.298000	9.620000	0.050000	10.940000	0.060000
84	00:56:36	133.299000	9.670000	0.050000	11.090000	0.100000
85	01:02:24	133.299000	9.590000	0.050000	10.970000	0.040000
86	01:08:13	133.299000	9.670000	0.030000	11.050000	0.040000
87	01:14:00	133.298000	9.660000	0.030000	11.100000	0.050000
88	01:19:48	133.299000	9.630000	0.020000	11.060000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
45	22.722167	23.667572	22.605834	23.586699	23.378480	0.500000
46	22.589142	23.697266	22.633606	23.583711	23.366820	0.500000
47	22.657165	23.781097	22.700837	23.577486	23.375640	0.500000
48	22.623138	23.842500	22.771148	23.571840	23.396849	0.500000
49	22.651641	23.897767	22.821167	23.563080	23.418946	0.500000
50	22.687988	23.930727	22.843690	23.555634	23.441741	0.500000
51	22.583465	23.880432	22.831482	23.551757	23.445955	0.500000
52	22.646820	23.819153	22.736694	23.543212	23.434722	0.500000
53	22.562651	23.689727	22.584749	23.538971	23.396179	0.500000
54	22.705230	23.548552	22.446472	23.534119	23.335357	0.500000
55	22.546172	23.461577	22.375336	23.525086	23.282044	0.500000
56	22.498900	23.469300	22.374968	23.516999	23.246613	0.500000
57	22.545533	23.510620	22.438476	23.508516	23.233154	0.500000
58	22.480316	23.604217	22.529481	23.504059	23.238099	0.500000
59	22.606658	23.685456	22.643953	23.495819	23.261629	0.500000
60	22.511444	23.808867	22.742126	23.489290	23.301696	0.500000
61	22.527313	23.844268	22.772491	23.480803	23.331115	0.500000
62	22.535185	23.786774	22.697753	23.471801	23.333067	0.500000
63	22.543730	23.642761	22.548308	23.462983	23.301148	0.500000
64	22.584564	23.520507	22.432282	23.457489	23.256836	0.500000
65	22.374541	23.444733	22.365570	23.452696	23.214601	0.500000
66	22.580077	23.420289	22.337373	23.444671	23.182830	0.500000
67	22.416718	23.431550	22.333710	23.438200	23.156065	0.500000
68	22.487366	23.466096	22.377656	23.431945	23.145843	0.500000
69	22.362029	23.529420	22.452392	23.423705	23.150757	0.500000
70	22.509033	23.578886	22.528472	23.418121	23.167967	0.500000
71	22.455382	23.655090	22.574067	23.414093	23.189330	0.500000
72	22.488372	23.651976	22.607360	23.409819	23.198762	0.500000
73	22.452118	23.680788	22.613373	23.405425	23.221558	0.500000
74	22.473144	23.669250	22.580413	23.401215	23.223084	0.500000
75	22.437195	23.636475	22.556947	23.397706	23.223968	0.500000
76	22.478363	23.613190	22.561249	23.393617	23.222199	0.500000
77	22.418243	23.678221	22.601470	23.389983	23.237700	0.500000
78	22.427277	23.692995	22.636841	23.385100	23.251068	0.500000
79	22.421631	23.698761	22.638366	23.380890	23.261077	0.500000
80	22.466094	23.679351	22.608306	23.379427	23.264404	0.500000
81	22.420439	23.626068	22.576783	23.373565	23.253723	0.500000
82	22.517180	23.601379	22.554260	23.370146	23.247192	0.500000
83	22.395720	23.623199	22.558868	23.365083	23.244261	0.500000
84	22.533631	23.670868	22.619904	23.361968	23.258515	0.500000
85	22.550568	23.733216	22.666626	23.356813	23.277373	0.500000
86	22.453491	23.721680	22.678344	23.355529	23.289764	0.500000
87	22.413697	23.722718	22.660461	23.353149	23.296783	0.500000
88	22.348327	23.694885	22.622986	23.351288	23.294404	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
45	0.500000	1.061738	3.654000e-3
46	0.500000	1.063660	3.655000e-3
47	0.500000	1.080260	3.656000e-3
48	0.500000	1.071352	3.656000e-3
49	0.500000	1.076600	3.657000e-3
50	0.500000	1.087037	3.657000e-3
51	0.500000	1.048950	3.657000e-3
52	0.500000	1.082459	3.655000e-3
53	0.500000	1.104978	3.654000e-3
54	0.500000	1.102080	3.653000e-3
55	0.500000	1.086241	3.653000e-3
56	0.500000	1.094332	3.652000e-3
57	0.500000	1.072144	3.654000e-3
58	0.500000	1.074736	3.654000e-3
59	0.500000	1.041503	3.656000e-3
60	0.500000	1.066741	3.657000e-3
61	0.500000	1.071777	3.656000e-3
62	0.500000	1.089021	3.655000e-3
63	0.500000	1.094453	3.653000e-3
64	0.500000	1.088225	3.653000e-3
65	0.500000	1.079163	3.652000e-3
66	0.500000	1.082916	3.652000e-3
67	0.500000	1.097840	3.652000e-3
68	0.500000	1.088440	3.653000e-3
69	0.500000	1.077028	3.653000e-3
70	0.500000	1.050414	3.654000e-3
71	0.500000	1.081023	3.654000e-3
72	0.500000	1.044616	3.655000e-3
73	0.500000	1.067415	3.655000e-3
74	0.500000	1.088837	3.654000e-3
75	0.500000	1.079528	3.654000e-3
76	0.500000	1.051941	3.654000e-3
77	0.500000	1.076751	3.655000e-3
78	0.500000	1.056154	3.655000e-3
79	0.500000	1.060395	3.655000e-3
80	0.500000	1.071045	3.655000e-3
81	0.500000	1.049285	3.654000e-3
82	0.500000	1.047119	3.654000e-3
83	0.500000	1.064331	3.655000e-3
84	0.500000	1.050964	3.655000e-3
85	0.500000	1.066590	3.655000e-3
86	0.500000	1.043336	3.656000e-3
87	0.500000	1.062257	3.655000e-3
88	0.500000	1.071899	3.655000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
89	01:25:37	133.299000	9.620000	0.030000	10.940000	0.040000
90	01:31:25	133.300000	9.720000	0.040000	11.080000	0.080000
91	01:37:13	133.299000	9.650000	0.050000	10.960000	0.060000
92	01:43:02	133.300000	9.580000	0.050000	11.040000	0.050000
93	01:48:50	133.299000	9.640000	0.040000	10.750000	0.080000
94	01:54:39	133.298000	9.600000	0.030000	10.900000	0.080000
95	02:00:27	133.299000	9.670000	0.050000	11.040000	0.110000
96	02:06:16	133.299000	9.780000	0.050000	10.820000	0.060000
97	02:12:05	133.299000	9.570000	0.030000	10.830000	0.020000
98	02:17:54	133.298000	9.530000	0.060000	10.840000	0.060000
99	02:23:43	133.300000	9.760000	0.040000	10.910000	0.060000
100	02:29:33	133.299000	9.840000	0.060000	10.840000	0.080000
101	02:35:22	133.299000	9.850000	0.050000	10.870000	0.050000
102	02:41:11	133.299000	9.820000	0.040000	10.830000	0.030000
103	02:47:00	133.299000	9.770000	0.040000	10.690000	0.070000
104	02:52:49	133.299000	9.730000	0.130000	10.850000	0.110000
105	02:58:37	133.300000	9.880000	0.020000	10.870000	0.060000
106	03:04:27	133.299000	10.030000	0.030000	10.770000	0.060000
107	03:10:16	133.299000	9.860000	0.020000	10.750000	0.050000
108	03:16:05	133.300000	9.820000	0.030000	10.680000	0.110000
109	03:21:54	133.299000	9.740000	0.030000	10.820000	0.070000
110	03:27:43	133.299000	9.680000	0.020000	10.900000	0.030000
111	03:33:32	133.300000	9.820000	0.040000	10.900000	0.060000
112	03:39:21	133.299000	10.020000	0.090000	10.800000	0.050000
113	03:45:10	133.297000	9.950000	0.050000	10.880000	0.120000
114	03:50:59	133.299000	9.780000	0.030000	10.940000	0.080000
115	03:56:48	133.299000	9.850000	0.050000	11.070000	0.080000
116	04:02:36	133.300000	9.860000	0.030000	11.160000	0.030000
117	04:08:25	133.298000	9.870000	0.040000	11.100000	0.050000
118	04:14:14	133.299000	9.950000	0.040000	10.940000	0.050000
119	04:20:03	133.300000	9.830000	0.040000	10.830000	0.050000
120	04:25:53	133.299000	9.780000	0.060000	10.950000	0.050000
121	04:31:41	133.300000	9.870000	0.040000	10.960000	0.070000
122	04:37:31	133.299000	10.010000	0.040000	10.980000	0.050000
123	04:43:20	133.299000	9.920000	0.040000	10.940000	0.070000
124	04:49:10	133.299000	9.660000	0.060000	10.920000	0.070000
125	04:54:59	133.299000	9.510000	0.040000	11.050000	0.070000
126	05:00:48	133.299000	9.580000	0.020000	11.140000	0.070000
127	05:06:37	133.299000	9.760000	0.090000	11.260000	0.040000
128	05:12:25	133.300000	9.820000	0.030000	11.140000	0.070000
129	05:18:14	133.299000	9.700000	0.030000	11.050000	0.050000
130	05:24:03	133.299000	9.650000	0.080000	11.060000	0.060000
131	05:29:52	133.299000	9.570000	0.030000	10.950000	0.040000
132	05:35:41	133.299000	9.480000	0.060000	11.000000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
89	22.559325	23.678864	22.593779	23.348237	23.286500	0.500000
90	22.369446	23.647371	22.574067	23.346010	23.278839	0.500000
91	22.406067	23.634949	22.563081	23.344237	23.270844	0.500000
92	22.455840	23.619627	22.547393	23.340363	23.261260	0.500000
93	22.419891	23.588593	22.537598	23.336823	23.248200	0.500000
94	22.424163	23.596863	22.533416	23.331788	23.241914	0.500000
95	22.413544	23.590788	22.537964	23.331115	23.237641	0.500000
96	22.446715	23.592439	22.545257	23.326936	23.235994	0.500000
97	22.489776	23.625122	22.552521	23.321869	23.238373	0.500000
98	22.504820	23.625731	22.564818	23.321777	23.237916	0.500000
99	22.504303	23.630766	22.576569	23.320404	23.240845	0.500000
100	22.475128	23.618043	22.573547	23.317719	23.236480	0.500000
101	22.557678	23.630951	22.573211	23.318238	23.235322	0.500000
102	22.372527	23.626831	22.581787	23.318604	23.240356	0.500000
103	22.407469	23.662658	22.590454	23.319885	23.246613	0.500000
104	22.564454	23.655974	22.597625	23.319734	23.246917	0.500000
105	22.553527	23.660462	22.605926	23.316589	23.255830	0.500000
106	22.456085	23.652649	22.609344	23.314788	23.254364	0.500000
107	22.502684	23.677978	22.617462	23.314697	23.263734	0.500000
108	22.439484	23.671081	22.623932	23.310241	23.269867	0.500000
109	22.428405	23.698974	22.626404	23.311798	23.274963	0.500000
110	22.440001	23.685545	22.624422	23.309569	23.275726	0.500000
111	22.472929	23.680482	22.622284	23.306427	23.281036	0.500000
112	22.430634	23.678405	22.616182	23.305175	23.279052	0.500000
113	22.425048	23.675049	22.611785	23.304170	23.281097	0.500000
114	22.464263	23.652405	22.607391	23.301544	23.277893	0.500000
115	22.420716	23.671327	22.602478	23.299134	23.278717	0.500000
116	22.457122	23.654479	22.606018	23.295868	23.277314	0.500000
117	22.534394	23.644714	22.600281	23.292388	23.274627	0.500000
118	22.459807	23.652771	22.601745	23.294616	23.272796	0.500000
119	22.462890	23.638794	22.600617	23.296083	23.266785	0.500000
120	22.503418	23.637147	22.595153	23.296966	23.269105	0.500000
121	22.456238	23.654542	22.603392	23.297333	23.269653	0.500000
122	22.491059	23.639465	22.615662	23.297181	23.268799	0.500000
123	22.537322	23.656220	22.627015	23.297089	23.270507	0.500000
124	22.518188	23.679719	22.631195	23.298402	23.280396	0.500000
125	22.511534	23.666839	22.644258	23.297029	23.284240	0.500000
126	22.435851	23.702025	22.652193	23.298707	23.290222	0.500000
127	22.459838	23.716493	22.661042	23.301606	23.298097	0.500000
128	22.479126	23.696657	22.670899	23.298646	23.302491	0.500000
129	22.456603	23.708221	22.674193	23.299560	23.308196	0.500000
130	22.517151	23.699951	22.674622	23.298492	23.306517	0.500000
131	22.410979	23.717683	22.676787	23.297761	23.318238	0.500000
132	22.447113	23.731567	22.679048	23.299652	23.321411	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
89	0.500000	1.085085	3.654000e-3
90	0.500000	1.073304	3.655000e-3
91	0.500000	1.071868	3.655000e-3
92	0.500000	1.072234	3.654000e-3
93	0.500000	1.050995	3.654000e-3
94	0.500000	1.063447	3.654000e-3
95	0.500000	1.052824	3.654000e-3
96	0.500000	1.047182	3.654000e-3
97	0.500000	1.072601	3.654000e-3
98	0.500000	1.060913	3.655000e-3
99	0.500000	1.054197	3.655000e-3
100	0.500000	1.044496	3.655000e-3
101	0.500000	1.057740	3.655000e-3
102	0.500000	1.045044	3.655000e-3
103	0.500000	1.072204	3.655000e-3
104	0.500000	1.058349	3.655000e-3
105	0.500000	1.054536	3.655000e-3
106	0.500000	1.043305	3.655000e-3
107	0.500000	1.060516	3.655000e-3
108	0.500000	1.047149	3.655000e-3
109	0.500000	1.072570	3.656000e-3
110	0.500000	1.061123	3.655000e-3
111	0.500000	1.058198	3.655000e-3
112	0.500000	1.062223	3.655000e-3
113	0.500000	1.063264	3.655000e-3
114	0.500000	1.045014	3.655000e-3
115	0.500000	1.068849	3.655000e-3
116	0.500000	1.048461	3.655000e-3
117	0.500000	1.044433	3.654000e-3
118	0.500000	1.051026	3.655000e-3
119	0.500000	1.038177	3.655000e-3
120	0.500000	1.041994	3.655000e-3
121	0.500000	1.051150	3.655000e-3
122	0.500000	1.023803	3.655000e-3
123	0.500000	1.029205	3.655000e-3
124	0.500000	1.048524	3.655000e-3
125	0.500000	1.022581	3.655000e-3
126	0.500000	1.049832	3.655000e-3
127	0.500000	1.055451	3.656000e-3
128	0.500000	1.025758	3.656000e-3
129	0.500000	1.034028	3.656000e-3
130	0.500000	1.025329	3.656000e-3
131	0.500000	1.040896	3.656000e-3
132	0.500000	1.052519	3.656000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
133	05:41:30	133.299000	9.600000	0.030000	11.180000	0.050000
134	05:47:19	133.299000	9.560000	0.030000	11.100000	0.050000
135	05:53:09	133.299000	9.630000	0.030000	11.060000	0.070000
136	05:58:57	133.299000	9.670000	0.060000	10.940000	0.040000
137	06:04:46	133.299000	9.630000	0.110000	10.970000	0.100000
138	06:10:36	133.299000	9.560000	0.040000	11.150000	0.050000
139	06:16:25	133.300000	9.660000	0.050000	11.100000	0.030000
140	06:22:14	133.299000	9.750000	0.050000	11.060000	0.060000
141	06:28:03	133.300000	9.650000	0.020000	10.960000	0.060000
142	06:33:52	133.299000	9.590000	0.060000	10.990000	0.060000
143	06:39:41	133.299000	9.610000	0.020000	11.000000	0.050000
144	06:45:30	133.299000	9.680000	0.050000	10.990000	0.030000
145	06:51:19	133.300000	9.720000	0.020000	10.870000	0.040000
146	06:57:08	133.299000	9.510000	0.030000	10.940000	0.020000
147	07:02:56	133.299000	9.660000	0.030000	10.940000	0.020000
148	07:08:45	133.299000	9.820000	0.060000	10.860000	0.050000
149	07:14:34	133.299000	9.940000	0.040000	10.790000	0.060000
150	07:20:22	133.300000	9.680000	0.030000	10.870000	0.050000
151	07:26:11	133.300000	9.750000	0.050000	10.760000	0.050000
152	07:31:59	133.299000	9.590000	0.060000	10.850000	0.090000
153	07:37:48	133.299000	9.730000	0.040000	10.930000	0.040000
154	07:43:36	133.299000	9.610000	0.070000	10.920000	0.040000
155	07:49:25	133.298000	9.770000	0.050000	10.840000	0.040000
156	07:55:14	133.300000	9.590000	0.070000	10.970000	0.090000
157	08:01:02	133.300000	9.730000	0.070000	10.780000	0.040000
158	08:06:51	133.299000	9.610000	0.060000	10.980000	0.050000
159	08:12:39	133.300000	9.770000	0.080000	10.930000	0.040000
160	08:18:28	133.298000	9.740000	0.030000	10.730000	0.100000
161	08:24:17	133.300000	9.790000	0.050000	10.630000	0.040000
162	08:30:05	133.299000	9.640000	0.070000	10.780000	0.020000
163	08:35:54	133.299000	9.660000	0.050000	10.840000	0.050000
164	08:41:43	133.299000	9.730000	0.030000	10.790000	0.060000
165	08:47:31	133.300000	10.000000	0.060000	10.710000	0.100000
166	08:53:20	133.299000	9.860000	0.030000	10.570000	0.040000
167	08:59:09	133.300000	9.670000	0.080000	10.670000	0.070000
168	09:04:58	133.299000	9.680000	0.060000	10.650000	0.060000
169	09:10:47	133.301000	9.830000	0.070000	10.700000	0.050000
170	09:16:35	133.300000	10.040000	0.020000	10.560000	0.040000
171	09:22:24	133.299000	9.940000	0.070000	10.520000	0.060000
172	09:28:12	133.299000	9.750000	0.040000	10.540000	0.020000
173	09:34:01	133.300000	9.540000	0.030000	10.710000	0.050000
174	09:39:50	133.299000	9.570000	0.050000	10.770000	0.040000
175	09:45:39	133.300000	9.650000	0.040000	10.850000	0.050000
176	09:51:28	133.299000	9.690000	0.030000	10.720000	0.020000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
133	22.459044	23.741180	22.683532	23.298034	23.328521	0.500000
134	22.496094	23.722901	22.685027	23.299439	23.328522	0.500000
135	22.477631	23.719909	22.689240	23.299498	23.331695	0.500000
136	22.473053	23.730559	22.692292	23.296813	23.336212	0.500000
137	22.454743	23.732209	22.694824	23.296172	23.336091	0.500000
138	22.400116	23.742066	22.695556	23.297334	23.345885	0.500000
139	22.424988	23.727937	22.682891	23.295929	23.341737	0.500000
140	22.485413	23.727812	22.669219	23.297792	23.340849	0.500000
141	22.522888	23.707123	22.672393	23.294463	23.333039	0.500000
142	22.318420	23.705291	22.682921	23.294494	23.338348	0.500000
143	22.525908	23.753753	22.701995	23.295837	23.345705	0.500000
144	22.523009	23.733948	22.687989	23.294740	23.347809	0.500000
145	22.454559	23.688171	22.651429	23.293367	23.334992	0.500000
146	22.447082	23.657042	22.616393	23.293547	23.316589	0.500000
147	22.447082	23.660461	22.599487	23.293701	23.314056	0.500000
148	22.448761	23.630981	22.589843	23.293671	23.298919	0.500000
149	22.497253	23.630585	22.578309	23.291443	23.294646	0.500000
150	22.487366	23.639710	22.576141	23.291199	23.285828	0.500000
151	22.486450	23.613250	22.579255	23.292084	23.277099	0.500000
152	22.497985	23.651214	22.571136	23.289674	23.272247	0.500000
153	22.446930	23.622710	22.575926	23.286529	23.266235	0.500000
154	22.493987	23.617797	22.583740	23.287901	23.260467	0.500000
155	22.435240	23.629364	22.588591	23.288025	23.261872	0.500000
156	22.438690	23.645386	22.590423	23.284943	23.261413	0.500000
157	22.460722	23.629424	22.588348	23.287232	23.260741	0.500000
158	22.456297	23.624421	22.566313	23.285400	23.254120	0.500000
159	22.493529	23.600739	22.552124	23.282623	23.244202	0.500000
160	22.470977	23.593720	22.557036	23.281982	23.235168	0.500000
161	22.430510	23.615660	22.558746	23.282257	23.239899	0.500000
162	22.494232	23.604798	22.558837	23.281892	23.236114	0.500000
163	22.449035	23.606964	22.557435	23.279756	23.234101	0.500000
164	22.446532	23.608765	22.558442	23.277008	23.231476	0.500000
165	22.383880	23.602690	22.557952	23.277709	23.230043	0.500000
166	22.406463	23.593719	22.548249	23.277405	23.226135	0.500000
167	22.520751	23.600707	22.547822	23.275878	23.224426	0.500000
168	22.401154	23.615326	22.562166	23.274842	23.225340	0.500000
169	22.488770	23.609955	22.570282	23.274657	23.226746	0.500000
170	22.489776	23.612609	22.578493	23.273193	23.230316	0.500000
171	22.434296	23.635591	22.580046	23.273285	23.229523	0.500000
172	22.394409	23.650756	22.585969	23.272827	23.238006	0.500000
173	22.432708	23.644379	22.593475	23.271943	23.238158	0.500000
174	22.492980	23.645567	22.602356	23.269959	23.242798	0.500000
175	22.425780	23.662872	22.605712	23.269164	23.250427	0.500000
176	22.453277	23.657899	22.607790	23.268401	23.253111	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
133	0.500000	1.057648	3.656000e-3
134	0.500000	1.037874	3.656000e-3
135	0.500000	1.030669	3.656000e-3
136	0.500000	1.038267	3.656000e-3
137	0.500000	1.037385	3.656000e-3
138	0.500000	1.046510	3.656000e-3
139	0.500000	1.045046	3.655000e-3
140	0.500000	1.058593	3.656000e-3
141	0.500000	1.034730	3.656000e-3
142	0.500000	1.022370	3.656000e-3
143	0.500000	1.051758	3.656000e-3
144	0.500000	1.045959	3.655000e-3
145	0.500000	1.036742	3.656000e-3
146	0.500000	1.040649	3.655000e-3
147	0.500000	1.060974	3.655000e-3
148	0.500000	1.041138	3.655000e-3
149	0.500000	1.052276	3.655000e-3
150	0.500000	1.063569	3.655000e-3
151	0.500000	1.033995	3.655000e-3
152	0.500000	1.080078	3.655000e-3
153	0.500000	1.046784	3.655000e-3
154	0.500000	1.034057	3.655000e-3
155	0.500000	1.040773	3.655000e-3
156	0.500000	1.054963	3.655000e-3
157	0.500000	1.041076	3.655000e-3
158	0.500000	1.058108	3.655000e-3
159	0.500000	1.048615	3.655000e-3
160	0.500000	1.036684	3.655000e-3
161	0.500000	1.056914	3.655000e-3
162	0.500000	1.045961	3.655000e-3
163	0.500000	1.049529	3.655000e-3
164	0.500000	1.050323	3.655000e-3
165	0.500000	1.044738	3.654000e-3
166	0.500000	1.045470	3.655000e-3
167	0.500000	1.052885	3.655000e-3
168	0.500000	1.053160	3.655000e-3
169	0.500000	1.039673	3.655000e-3
170	0.500000	1.034116	3.655000e-3
171	0.500000	1.055545	3.655000e-3
172	0.500000	1.064787	3.655000e-3
173	0.500000	1.050904	3.655000e-3
174	0.500000	1.043211	3.655000e-3
175	0.500000	1.057160	3.656000e-3
176	0.500000	1.050109	3.655000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
177	09:57:16	133.299000	9.670000	0.050000	10.730000	0.070000
178	10:03:06	133.300000	9.650000	0.050000	10.600000	0.070000
179	10:08:56	133.299000	9.690000	0.070000	10.770000	0.030000
180	10:14:45	133.300000	9.730000	0.040000	10.790000	0.030000
181	10:20:35	133.300000	9.760000	0.030000	10.760000	0.050000
182	10:26:25	133.301000	9.730000	0.030000	10.660000	0.050000
183	10:32:15	133.300000	9.650000	0.030000	10.660000	0.070000
184	10:38:05	133.300000	9.680000	0.030000	10.810000	0.050000
185	10:43:54	133.300000	9.550000	0.040000	10.800000	0.030000
186	10:49:43	133.299000	9.580000	0.070000	11.060000	0.070000
187	10:55:32	133.299000	9.690000	0.020000	10.940000	0.080000
188	11:01:23	133.300000	9.630000	0.050000	10.680000	0.020000
189	11:07:12	133.300000	9.480000	0.020000	10.910000	0.080000
190	11:13:01	133.300000	9.700000	0.080000	10.890000	0.050000
191	11:18:51	133.299000	9.750000	0.030000	10.890000	0.020000
192	11:24:40	133.300000	9.710000	0.090000	10.900000	0.050000
193	11:30:29	133.299000	9.870000	0.070000	10.860000	0.040000
194	11:36:19	133.298000	9.610000	0.060000	11.080000	0.070000
195	11:42:09	133.300000	9.620000	0.030000	11.130000	0.050000
196	11:47:58	133.298000	9.620000	0.010000	11.060000	0.040000
197	11:53:47	133.300000	9.600000	0.050000	11.070000	0.040000
198	11:59:36	133.300000	9.610000	0.070000	11.050000	0.050000
199	12:05:25	133.300000	9.670000	0.070000	11.170000	0.040000
200	12:11:14	133.299000	9.810000	0.070000	10.990000	0.040000
201	12:17:03	133.300000	9.720000	0.030000	11.040000	0.040000
202	12:22:52	133.300000	9.600000	0.070000	11.120000	0.090000
203	12:28:42	133.299000	9.830000	0.060000	11.200000	0.060000
204	12:34:30	133.299000	9.910000	0.150000	11.050000	0.110000
205	12:40:20	133.299000	9.920000	0.020000	11.030000	0.060000
206	12:46:10	133.299000	9.850000	0.060000	11.100000	0.050000
207	12:51:59	133.299000	9.840000	0.050000	10.850000	0.020000
208	12:57:49	133.300000	9.660000	0.040000	10.880000	0.130000
209	13:03:38	133.300000	9.730000	0.070000	10.940000	0.070000
210	13:09:27	133.300000	9.740000	0.030000	10.920000	0.090000
211	13:15:17	133.299000	9.860000	0.060000	10.650000	0.100000
212	13:21:07	133.300000	9.750000	0.020000	10.680000	0.030000
213	13:26:56	133.300000	9.820000	0.040000	10.720000	0.090000
214	13:32:46	133.300000	9.870000	0.060000	10.870000	0.100000
215	13:38:35	133.300000	9.880000	0.050000	10.960000	0.070000
216	13:44:25	133.300000	10.020000	0.090000	10.880000	0.080000
217	13:50:13	133.301000	9.650000	0.050000	10.930000	0.070000
218	13:56:02	133.300000	9.470000	0.040000	10.880000	0.050000
219	14:01:50	133.300000	9.680000	0.030000	10.940000	0.070000
220	14:07:39	133.300000	9.870000	0.070000	10.990000	0.170000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
177	22.478790	23.654968	22.615967	23.268281	23.258819	0.500000
178	22.506928	23.655305	22.607239	23.265930	23.259460	0.500000
179	22.491791	23.647582	22.604765	23.266054	23.258605	0.500000
180	22.445373	23.667144	22.603790	23.265197	23.262513	0.500000
181	22.324128	23.651948	22.605012	23.264586	23.260284	0.500000
182	22.500946	23.654449	22.609621	23.262207	23.265167	0.500000
183	22.454895	23.649109	22.611022	23.257446	23.266786	0.500000
184	22.416107	23.641906	22.620941	23.259215	23.263031	0.500000
185	22.347197	23.659852	22.627778	23.257142	23.273468	0.500000
186	22.378172	23.679566	22.635561	23.256530	23.278870	0.500000
187	22.430083	23.685882	22.651886	23.257936	23.284638	0.500000
188	22.468872	23.713440	22.663269	23.256043	23.294708	0.500000
189	22.457854	23.737945	22.677827	23.257325	23.302186	0.500000
190	22.491669	23.740173	22.697539	23.259492	23.314757	0.500000
191	22.483215	23.753205	22.731934	23.260254	23.324706	0.500000
192	22.453827	23.815523	22.769622	23.260893	23.350188	0.500000
193	22.483735	23.835817	22.799256	23.262024	23.369078	0.500000
194	22.508940	23.882079	22.830627	23.264587	23.392609	0.500000
195	22.544159	23.873201	22.841706	23.265319	23.411103	0.500000
196	22.480225	23.872803	22.836608	23.268891	23.420715	0.500000
197	22.446105	23.849335	22.817536	23.272462	23.427672	0.500000
198	22.549376	23.833528	22.808166	23.271454	23.430511	0.500000
199	22.452483	23.843657	22.825227	23.273559	23.437195	0.500000
200	22.545533	23.885529	22.850099	23.277009	23.451539	0.500000
201	22.484314	23.909058	22.882660	23.279724	23.468322	0.500000
202	22.533416	23.950806	22.926422	23.281128	23.492401	0.500000
203	22.538847	23.998261	22.955353	23.284606	23.512788	0.500000
204	22.529418	24.005218	22.962099	23.287781	23.532104	0.500000
205	22.571563	23.947691	22.896697	23.289247	23.531099	0.500000
206	22.633972	23.833250	22.771422	23.293151	23.503601	0.500000
207	22.475860	23.669860	22.636291	23.295073	23.453032	0.500000
208	22.497010	23.590302	22.547943	23.296997	23.402010	0.500000
209	22.531280	23.569183	22.540345	23.301025	23.365601	0.500000
210	22.543396	23.640564	22.615692	23.303222	23.357269	0.500000
211	22.553648	23.737093	22.711486	23.306489	23.370088	0.500000
212	22.515380	23.849120	22.817656	23.305727	23.395265	0.500000
213	22.554535	23.949037	22.907410	23.311340	23.431732	0.500000
214	22.559325	23.978088	22.950378	23.313873	23.464751	0.500000
215	22.633941	23.952393	22.910888	23.316315	23.483825	0.500000
216	22.575592	23.873534	22.809295	23.320282	23.468537	0.500000
217	22.515106	23.744324	22.718720	23.322570	23.438537	0.500000
218	22.603271	23.727295	22.676056	23.324616	23.418427	0.500000
219	22.620329	23.710876	22.666412	23.326630	23.398194	0.500000
220	22.546265	23.721436	22.702332	23.331665	23.390594	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
177	0.500000	1.039001	3.655000e-3
178	0.500000	1.048066	3.655000e-3
179	0.500000	1.042817	3.656000e-3
180	0.500000	1.063354	3.656000e-3
181	0.500000	1.046936	3.655000e-3
182	0.500000	1.044828	3.656000e-3
183	0.500000	1.038087	3.655000e-3
184	0.500000	1.020965	3.655000e-3
185	0.500000	1.032074	3.656000e-3
186	0.500000	1.044005	3.656000e-3
187	0.500000	1.033996	3.656000e-3
188	0.500000	1.050171	3.657000e-3
189	0.500000	1.060118	3.656000e-3
190	0.500000	1.042634	3.656000e-3
191	0.500000	1.021271	3.657000e-3
192	0.500000	1.045901	3.657000e-3
193	0.500000	1.036561	3.657000e-3
194	0.000000	1.051452	3.657000e-3
195	0.000000	1.031495	3.657000e-3
196	0.000000	1.036195	3.658000e-3
197	0.000000	1.031799	3.657000e-3
198	0.000000	1.025362	3.657000e-3
199	0.000000	1.018430	3.658000e-3
200	0.000000	1.035430	3.658000e-3
201	0.000000	1.026398	3.658000e-3
202	0.000000	1.024384	3.658000e-3
203	0.000000	1.042908	3.658000e-3
204	0.000000	1.043119	3.659000e-3
205	0.000000	1.050994	3.658000e-3
206	0.000000	1.061828	3.657000e-3
207	0.000000	1.033569	3.656000e-3
208	0.000000	1.042359	3.655000e-3
209	0.000000	1.028838	3.655000e-3
210	0.000000	1.024872	3.656000e-3
211	0.500000	1.025607	3.657000e-3
212	0.500000	1.031464	3.658000e-3
213	0.500000	1.041627	3.658000e-3
214	0.000000	1.027710	3.659000e-3
215	0.000000	1.041505	3.659000e-3
216	0.000000	1.064239	3.657000e-3
217	0.000000	1.025604	3.656000e-3
218	0.000000	1.051239	3.656000e-3
219	0.000000	1.044464	3.656000e-3
220	0.000000	1.019104	3.656000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
221	14:13:28	133.301000	9.890000	0.060000	10.800000	0.060000
222	14:19:17	133.300000	9.760000	0.050000	10.720000	0.020000
223	14:25:06	133.300000	9.820000	0.070000	10.850000	0.030000
224	14:30:54	133.301000	9.840000	0.020000	10.830000	0.020000
225	14:36:43	133.300000	9.840000	0.030000	10.930000	0.050000
226	14:42:32	133.301000	9.890000	0.060000	10.820000	0.070000
227	14:48:21	133.300000	10.020000	0.060000	10.640000	0.070000
228	14:54:10	133.300000	9.810000	0.070000	10.480000	0.090000
229	14:59:58	133.300000	9.570000	0.050000	10.550000	0.030000
230	15:05:46	133.299000	9.560000	0.110000	10.700000	0.050000
231	15:11:35	133.300000	9.830000	0.060000	10.800000	0.040000
232	15:17:24	133.300000	9.750000	0.020000	10.700000	0.050000
233	15:23:13	133.301000	9.710000	0.060000	10.710000	0.090000
234	15:29:02	133.301000	9.560000	0.020000	10.710000	0.060000
235	15:34:50	133.300000	9.520000	0.060000	10.730000	0.070000
236	15:40:38	133.301000	9.530000	0.040000	10.860000	0.060000
237	15:46:28	133.299000	9.710000	0.040000	10.770000	0.070000
238	15:52:17	133.300000	9.740000	0.130000	10.760000	0.050000
239	15:58:05	133.300000	9.720000	0.010000	10.760000	0.040000
240	16:03:54	133.300000	9.700000	0.030000	10.810000	0.080000
241	16:09:43	133.301000	9.610000	0.050000	10.760000	0.050000
242	16:15:31	133.300000	9.570000	0.080000	10.900000	0.070000
243	16:21:20	133.300000	9.630000	0.070000	10.850000	0.030000
244	16:27:09	133.300000	9.790000	0.030000	11.010000	0.090000
245	16:32:58	133.300000	9.690000	0.060000	10.840000	0.030000
246	16:38:47	133.300000	9.680000	0.060000	10.850000	0.030000
247	16:44:36	133.301000	9.690000	0.050000	10.840000	0.030000
248	16:50:25	133.300000	9.610000	0.050000	10.950000	0.050000
249	16:56:14	133.300000	9.650000	0.040000	10.880000	0.070000
250	17:02:03	133.300000	9.640000	0.050000	10.810000	0.030000
251	17:07:51	133.300000	9.740000	0.040000	10.780000	0.040000
252	17:13:40	133.301000	9.790000	0.030000	10.810000	0.030000
253	17:19:29	133.300000	9.750000	0.030000	10.680000	0.030000
254	17:25:17	133.300000	9.700000	0.050000	10.720000	0.020000
255	17:31:06	133.299000	9.610000	0.060000	10.720000	0.090000
256	17:36:55	133.300000	9.640000	0.050000	10.860000	0.070000
257	17:42:44	133.300000	9.640000	0.040000	11.060000	0.050000
258	17:48:33	133.300000	9.860000	0.030000	11.050000	0.040000
259	17:54:22	133.300000	9.700000	0.070000	10.830000	0.040000
260	18:00:11	133.300000	9.610000	0.050000	10.850000	0.040000
261	18:06:00	133.301000	9.750000	0.020000	10.720000	0.030000
262	18:11:48	133.301000	9.570000	0.080000	10.880000	0.050000
263	18:17:37	133.300000	9.810000	0.040000	10.780000	0.080000
264	18:23:25	133.300000	9.660000	0.050000	10.720000	0.030000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
221	22.609436	23.797241	22.757415	23.336425	23.402162	0.500000
222	22.644317	23.857270	22.824676	23.341401	23.422424	0.500000
223	22.718749	23.928865	22.874971	23.350493	23.447632	0.500000
224	22.743682	23.913331	22.867369	23.360627	23.456238	0.500000
225	22.678132	23.841795	22.795380	23.368773	23.446412	0.500000
226	22.719817	23.765350	22.719390	23.375701	23.425750	0.500000
227	22.687683	23.757660	22.704193	23.380126	23.411835	0.500000
228	22.657227	23.779908	22.724672	23.381011	23.409028	0.500000
229	22.574615	23.825958	22.776611	23.382782	23.418731	0.500000
230	22.576293	23.895659	22.843233	23.381989	23.437715	0.500000
231	22.560577	23.955963	22.900421	23.383421	23.466429	0.500000
232	22.622344	23.937773	22.893767	23.382080	23.479492	0.500000
233	22.695555	23.880249	22.823854	23.381285	23.475068	0.500000
234	22.598235	23.805542	22.745087	23.382202	23.452422	0.500000
235	22.644410	23.768830	22.703309	23.384736	23.436707	0.500000
236	22.590637	23.789764	22.724394	23.385651	23.429350	0.500000
237	22.493376	23.804963	22.774872	23.384766	23.433290	0.500000
238	22.555847	23.898988	22.834230	23.381896	23.454865	0.500000
239	22.542786	23.949342	22.902100	23.381867	23.477142	0.500000
240	22.592711	23.992094	22.912902	23.381285	23.500824	0.500000
241	22.648499	23.935364	22.857208	23.379334	23.497405	0.500000
242	22.621550	23.851103	22.762207	23.380006	23.476747	0.500000
243	22.550842	23.746459	22.695313	23.381011	23.447632	0.500000
244	22.582306	23.724733	22.686004	23.379333	23.428771	0.500000
245	22.590789	23.759277	22.718263	23.379242	23.425750	0.500000
246	22.510132	23.820648	22.778626	23.380828	23.434358	0.500000
247	22.640166	23.883942	22.841918	23.380371	23.454985	0.500000
248	22.526581	23.913695	22.850099	23.381105	23.465760	0.500000
249	22.636628	23.887177	22.797637	23.381196	23.465362	0.500000
250	22.552247	23.767610	22.717528	23.380127	23.438478	0.500000
251	22.499053	23.711180	22.677643	23.377532	23.415465	0.500000
252	22.498474	23.729767	22.691467	23.376129	23.405731	0.500000
253	22.580871	23.807587	22.735963	23.375580	23.414580	0.500000
254	22.571837	23.842958	22.802978	23.373018	23.425384	0.500000
255	22.440521	23.877625	22.840119	23.370424	23.446319	0.500000
256	22.571227	23.871735	22.805114	23.370635	23.447907	0.500000
257	22.627594	23.794007	22.722137	23.367036	23.430970	0.500000
258	22.558655	23.730011	22.667877	23.366669	23.406678	0.500000
259	22.582640	23.724944	22.660307	23.364625	23.395601	0.500000
260	22.552275	23.735900	22.700011	23.363831	23.390412	0.500000
261	22.617249	23.787721	22.768890	23.363037	23.404542	0.500000
262	22.615234	23.873901	22.810578	23.361633	23.424956	0.500000
263	22.567412	23.884797	22.798067	23.360076	23.433412	0.500000
264	22.566406	23.805848	22.730072	23.361296	23.420442	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
221	0.000000	1.039826	3.657000e-3
222	0.000000	1.032594	3.658000e-3
223	0.000000	1.053894	3.658000e-3
224	0.000000	1.045962	3.658000e-3
225	0.000000	1.046415	3.657000e-3
226	0.000000	1.045960	3.657000e-3
227	0.000000	1.053467	3.657000e-3
228	0.000000	1.055236	3.657000e-3
229	0.000000	1.049347	3.657000e-3
230	0.500000	1.052426	3.657000e-3
231	0.000000	1.055542	3.658000e-3
232	0.000000	1.044006	3.658000e-3
233	0.000000	1.056395	3.658000e-3
234	0.000000	1.060455	3.657000e-3
235	0.000000	1.065521	3.657000e-3
236	0.000000	1.065370	3.657000e-3
237	0.000000	1.030091	3.657000e-3
238	0.000000	1.064758	3.658000e-3
239	0.000000	1.047242	3.659000e-3
240	0.000000	1.079192	3.659000e-3
241	0.000000	1.078156	3.658000e-3
242	0.000000	1.088896	3.657000e-3
243	0.000000	1.051146	3.657000e-3
244	0.000000	1.038729	3.657000e-3
245	0.000000	1.041014	3.657000e-3
246	0.000000	1.042022	3.658000e-3
247	0.000000	1.042024	3.658000e-3
248	0.000000	1.063596	3.658000e-3
249	0.000000	1.089540	3.658000e-3
250	0.000000	1.050082	3.657000e-3
251	0.000000	1.033537	3.657000e-3
252	0.000000	1.038300	3.657000e-3
253	0.000000	1.071624	3.657000e-3
254	0.000000	1.039980	3.658000e-3
255	0.000000	1.037506	3.658000e-3
256	0.000000	1.066621	3.658000e-3
257	0.000000	1.071870	3.657000e-3
258	0.000000	1.062134	3.656000e-3
259	0.000000	1.064637	3.656000e-3
260	0.000000	1.035889	3.656000e-3
261	0.500000	1.018831	3.657000e-3
262	0.500000	1.063323	3.658000e-3
263	0.000000	1.086730	3.658000e-3
264	0.000000	1.075776	3.657000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
265	18:29:14	133.300000	9.720000	0.050000	10.610000	0.030000
266	18:35:03	133.300000	9.520000	0.080000	10.760000	0.090000
267	18:40:52	133.300000	9.630000	0.040000	10.700000	0.040000
268	18:46:41	133.301000	9.830000	0.130000	10.720000	0.090000
269	18:52:30	133.300000	9.820000	0.050000	10.660000	0.070000
270	18:58:19	133.300000	9.660000	0.090000	10.540000	0.080000
271	19:04:08	133.300000	9.490000	0.060000	10.590000	0.070000
272	19:09:57	133.301000	9.580000	0.040000	10.590000	0.030000
273	19:15:46	133.300000	9.670000	0.070000	10.760000	0.050000
274	19:21:35	133.300000	9.730000	0.050000	10.620000	0.030000
275	19:27:24	133.301000	9.570000	0.050000	10.630000	0.050000
276	19:33:13	133.301000	9.590000	0.070000	10.590000	0.060000
277	19:39:02	133.299000	9.390000	0.070000	10.450000	0.040000
278	19:44:52	133.300000	9.430000	0.030000	10.480000	0.070000
279	19:50:42	133.301000	9.490000	0.050000	10.740000	0.050000
280	19:56:32	133.300000	9.770000	0.050000	10.570000	0.100000
281	20:02:21	133.300000	9.940000	0.050000	10.280000	0.050000
282	20:08:11	133.300000	9.760000	0.040000	10.250000	0.030000
283	20:14:02	133.300000	9.690000	0.070000	10.440000	0.090000
284	20:19:51	133.300000	9.680000	0.020000	10.650000	0.060000
285	20:25:41	133.300000	9.850000	0.030000	10.440000	0.140000
286	20:31:31	133.300000	9.770000	0.070000	10.430000	0.040000
287	20:37:21	133.300000	9.750000	0.080000	10.330000	0.080000
288	20:43:11	133.301000	9.640000	0.030000	10.260000	0.040000
289	20:49:01	133.300000	9.510000	0.040000	10.320000	0.020000
290	20:54:51	133.300000	9.560000	0.010000	10.210000	0.030000
291	21:00:41	133.300000	9.660000	0.060000	10.320000	0.020000
292	21:06:31	133.301000	9.900000	0.040000	10.250000	0.060000
293	21:12:21	133.300000	9.760000	0.010000	10.320000	0.040000
294	21:18:11	133.301000	9.740000	0.060000	10.220000	0.090000
295	21:24:01	133.300000	9.800000	0.030000	10.390000	0.060000
296	21:29:50	133.300000	9.770000	0.080000	10.430000	0.030000
297	21:35:40	133.301000	9.760000	0.040000	10.400000	0.030000
298	21:41:30	133.300000	9.740000	0.070000	10.350000	0.040000
299	21:47:19	133.300000	9.940000	0.090000	10.520000	0.080000
300	21:53:09	133.301000	9.990000	0.070000	10.310000	0.070000
301	21:58:59	133.300000	9.850000	0.020000	10.200000	0.100000
302	22:04:48	133.300000	10.010000	0.030000	10.230000	0.030000
303	22:10:38	133.301000	9.860000	0.070000	10.350000	0.070000
304	22:16:28	133.300000	9.880000	0.010000	10.410000	0.050000
305	22:22:18	133.300000	9.820000	0.040000	10.340000	0.060000
306	22:28:07	133.300000	9.760000	0.080000	10.460000	0.070000
307	22:33:57	133.300000	9.910000	0.060000	10.390000	0.050000
308	22:39:47	133.301000	9.850000	0.050000	10.250000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
265	22.545533	23.700470	22.637360	23.359465	23.390413	0.500000
266	22.480316	23.643494	22.598967	23.357575	23.363038	0.500000
267	22.593872	23.641326	22.601960	23.353545	23.347443	0.500000
268	22.441070	23.675353	22.630736	23.353761	23.339812	0.500000
269	22.481141	23.730621	22.675201	23.350799	23.345705	0.500000
270	22.517516	23.764434	22.713685	23.347321	23.356537	0.500000
271	22.541167	23.760009	22.689424	23.348052	23.359405	0.500000
272	22.419891	23.663299	22.615021	23.344206	23.334504	0.500000
273	22.461090	23.555388	22.511719	23.340059	23.297394	0.500000
274	22.466094	23.509278	22.453766	23.337465	23.264039	0.500000
275	22.483093	23.488769	22.448488	23.334930	23.236205	0.500000
276	22.527434	23.502776	22.460113	23.331787	23.222137	0.500000
277	22.390837	23.523896	22.479890	23.330504	23.214843	0.500000
278	22.451386	23.565705	22.505646	23.325012	23.210844	0.500000
279	22.440123	23.576598	22.529786	23.324495	23.210054	0.500000
280	22.525267	23.610261	22.573273	23.322539	23.219574	0.500000
281	22.452118	23.681946	22.623323	23.324584	23.237242	0.500000
282	22.473692	23.698546	22.665527	23.326295	23.251679	0.500000
283	22.516236	23.696595	22.640350	23.324890	23.262114	0.500000
284	22.470307	23.613892	22.540068	23.322266	23.244629	0.500000
285	22.508392	23.496673	22.426362	23.320374	23.207824	0.500000
286	22.507691	23.424162	22.360444	23.320648	23.170198	0.500000
287	22.345306	23.393250	22.338745	23.318267	23.138459	0.500000
288	22.471222	23.404784	22.329070	23.314545	23.116060	0.500000
289	22.382569	23.429750	22.365295	23.309358	23.108674	0.500000
290	22.435517	23.495362	22.441589	23.306916	23.115082	0.500000
291	22.403349	23.560823	22.508149	23.304534	23.132719	0.500000
292	22.434234	23.589386	22.542024	23.299927	23.147522	0.500000
293	22.526946	23.592315	22.551392	23.295714	23.162016	0.500000
294	22.418885	23.581970	22.538115	23.293367	23.165253	0.500000
295	22.506928	23.573609	22.531648	23.295227	23.166137	0.500000
296	22.488677	23.567780	22.532744	23.294281	23.170104	0.500000
297	22.503509	23.564148	22.535401	23.294372	23.174896	0.500000
298	22.456481	23.557953	22.531096	23.291779	23.171967	0.500000
299	22.469055	23.586274	22.530548	23.290833	23.180115	0.500000
300	22.427856	23.589416	22.538085	23.287933	23.183503	0.500000
301	22.453551	23.604187	22.542420	23.286406	23.187562	0.500000
302	22.532134	23.611388	22.544404	23.283448	23.190704	0.500000
303	22.413573	23.601715	22.543915	23.283144	23.191101	0.500000
304	22.473633	23.590819	22.546602	23.281340	23.196043	0.500000
305	22.483856	23.599275	22.542725	23.282686	23.196686	0.500000
306	22.383880	23.591704	22.545044	23.282256	23.197969	0.500000
307	22.405059	23.596344	22.541747	23.279298	23.198364	0.500000
308	22.440521	23.595643	22.543029	23.276916	23.199342	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
265	0.000000	1.063110	3.656000e-3
266	0.000000	1.044527	3.656000e-3
267	0.500000	1.039366	3.656000e-3
268	0.500000	1.044617	3.656000e-3
269	0.500000	1.055420	3.657000e-3
270	0.500000	1.050749	3.658000e-3
271	0.500000	1.070585	3.657000e-3
272	0.500000	1.048278	3.656000e-3
273	0.500000	1.043669	3.655000e-3
274	0.500000	1.055512	3.654000e-3
275	0.500000	1.040281	3.654000e-3
276	0.500000	1.042663	3.655000e-3
277	0.500000	1.044006	3.655000e-3
278	0.500000	1.060059	3.655000e-3
279	0.500000	1.046812	3.655000e-3
280	0.500000	1.036988	3.656000e-3
281	0.500000	1.058623	3.656000e-3
282	0.500000	1.033019	3.657000e-3
283	0.500000	1.056245	3.656000e-3
284	0.500000	1.073824	3.655000e-3
285	0.500000	1.070311	3.654000e-3
286	0.500000	1.063718	3.654000e-3
287	0.500000	1.054505	3.653000e-3
288	0.500000	1.075714	3.653000e-3
289	0.500000	1.064455	3.654000e-3
290	0.500000	1.053773	3.655000e-3
291	0.500000	1.052674	3.656000e-3
292	0.500000	1.047362	3.655000e-3
293	0.500000	1.040923	3.656000e-3
294	0.500000	1.043855	3.655000e-3
295	0.500000	1.041961	3.655000e-3
296	0.500000	1.035036	3.656000e-3
297	0.500000	1.028747	3.655000e-3
298	0.500000	1.026857	3.655000e-3
299	0.500000	1.055726	3.656000e-3
300	0.500000	1.051331	3.656000e-3
301	0.500000	1.061767	3.656000e-3
302	0.500000	1.066984	3.656000e-3
303	0.500000	1.057800	3.655000e-3
304	0.500000	1.044217	3.656000e-3
305	0.500000	1.056550	3.656000e-3
306	0.500000	1.046660	3.655000e-3
307	0.500000	1.054597	3.656000e-3
308	0.500000	1.052614	3.656000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
309	22:45:37	133.301000	9.740000	0.030000	10.390000	0.040000
310	22:51:27	133.301000	9.800000	0.070000	10.520000	0.100000
311	22:57:16	133.300000	9.970000	0.020000	10.540000	0.050000
312	23:03:06	133.301000	10.080000	0.060000	10.490000	0.070000
313	23:08:56	133.300000	10.000000	0.030000	10.540000	0.040000
314	23:14:46	133.300000	9.770000	0.020000	10.400000	0.080000
315	23:20:36	133.300000	9.790000	0.070000	10.370000	0.060000
316	23:26:26	133.300000	9.710000	0.100000	10.370000	0.080000
317	23:32:16	133.301000	9.800000	0.040000	10.670000	0.020000
318	23:38:06	133.301000	9.970000	0.060000	10.620000	0.040000
319	23:43:56	133.301000	9.990000	0.010000	10.460000	0.050000
320	23:49:46	133.301000	9.890000	0.060000	10.330000	0.040000
321	23:55:36	133.301000	9.830000	0.030000	10.430000	0.050000
322	00:01:25	133.300000	9.690000	0.080000	10.490000	0.040000
323	00:07:15	133.301000	9.740000	0.050000	10.490000	0.040000
324	00:13:04	133.301000	9.950000	0.020000	10.410000	0.050000
325	00:18:54	133.301000	10.010000	0.050000	10.420000	0.020000
326	00:24:43	133.301000	9.850000	0.040000	10.360000	0.040000
327	00:30:31	133.301000	9.670000	0.030000	10.640000	0.070000
328	00:36:20	133.301000	9.710000	0.040000	10.550000	0.070000
329	00:42:09	133.300000	9.860000	0.120000	10.640000	0.100000
330	00:47:58	133.301000	9.960000	0.020000	10.520000	0.100000
331	00:53:47	133.300000	9.920000	0.040000	10.300000	0.060000
332	00:59:36	133.300000	9.860000	0.030000	10.370000	0.030000
333	01:05:25	133.300000	9.760000	0.030000	10.510000	0.060000
334	01:11:15	133.301000	9.770000	0.040000	10.470000	0.020000
335	01:17:05	133.301000	9.960000	0.030000	10.440000	0.070000
336	01:22:55	133.301000	9.740000	0.020000	10.590000	0.050000
337	01:28:45	133.301000	9.750000	0.040000	10.510000	0.020000
338	01:34:35	133.301000	9.750000	0.060000	10.380000	0.050000
339	01:40:24	133.301000	9.890000	0.070000	10.460000	0.080000
340	01:46:15	133.301000	9.740000	0.020000	10.770000	0.050000
341	01:52:05	133.301000	9.790000	0.110000	10.630000	0.020000
342	01:57:55	133.300000	9.690000	0.080000	10.580000	0.080000
343	02:03:45	133.301000	9.620000	0.060000	10.620000	0.070000
344	02:09:36	133.301000	9.650000	0.040000	10.630000	0.090000
345	02:15:26	133.300000	9.630000	0.080000	10.630000	0.060000
346	02:21:16	133.301000	9.640000	0.060000	10.610000	0.070000
347	02:27:06	133.301000	9.790000	0.070000	10.580000	0.030000
348	02:32:56	133.301000	9.680000	0.030000	10.580000	0.050000
349	02:38:47	133.301000	9.590000	0.060000	10.530000	0.080000
350	02:44:37	133.300000	9.870000	0.050000	10.480000	0.030000
351	02:50:28	133.301000	9.910000	0.030000	10.480000	0.040000
352	02:56:18	133.301000	9.760000	0.020000	10.600000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
309	22.424163	23.602814	22.543060	23.276824	23.202209	0.500000
310	22.399964	23.588898	22.524019	23.275331	23.196685	0.500000
311	22.434997	23.574768	22.527192	23.273406	23.194733	0.500000
312	22.434296	23.607240	22.568817	23.270050	23.205351	0.500000
313	22.503051	23.652160	22.591919	23.268250	23.216278	0.500000
314	22.371916	23.652254	22.597656	23.268922	23.225250	0.500000
315	22.423858	23.636780	22.578003	23.264985	23.223482	0.500000
316	22.408568	23.614808	22.546602	23.265197	23.220063	0.500000
317	22.473144	23.559417	22.524963	23.264739	23.200441	0.500000
318	22.352905	23.564973	22.514190	23.262724	23.200714	0.500000
319	22.480285	23.559204	22.511596	23.261657	23.197570	0.500000
320	22.450745	23.552063	22.512938	23.260408	23.194275	0.500000
321	22.440428	23.557497	22.519746	23.261323	23.191864	0.500000
322	22.475647	23.566895	22.527252	23.261687	23.190461	0.500000
323	22.495818	23.552185	22.522035	23.259521	23.179779	0.500000
324	22.453246	23.575318	22.521332	23.261566	23.186555	0.500000
325	22.521483	23.583984	22.535858	23.262787	23.189056	0.500000
326	22.505309	23.594451	22.549102	23.261077	23.194855	0.500000
327	22.501740	23.600616	22.565735	23.258577	23.201721	0.500000
328	22.458770	23.633027	22.569855	23.257905	23.206146	0.500000
329	22.402710	23.615508	22.575226	23.258026	23.211029	0.500000
330	22.405915	23.622711	22.569396	23.257537	23.213318	0.500000
331	22.347533	23.617033	22.572906	23.258636	23.214539	0.500000
332	22.397186	23.628173	22.569670	23.257782	23.215942	0.500000
333	22.475342	23.626587	22.573548	23.255280	23.221435	0.500000
334	22.444031	23.635528	22.582183	23.255736	23.224550	0.500000
335	22.431397	23.639191	22.587432	23.253905	23.231171	0.500000
336	22.471282	23.640809	22.587250	23.251891	23.234221	0.500000
337	22.471587	23.637665	22.597900	23.250517	23.235169	0.500000
338	22.535216	23.629182	22.605652	23.247649	23.241363	0.500000
339	22.400391	23.639190	22.601380	23.248412	23.241851	0.500000
340	22.433197	23.628784	22.609772	23.247864	23.244659	0.500000
341	22.391052	23.650238	22.614503	23.248870	23.250732	0.500000
342	22.461638	23.647523	22.622559	23.249054	23.256316	0.500000
343	22.435607	23.644958	22.621551	23.248443	23.257689	0.500000
344	22.477355	23.641022	22.617888	23.248687	23.256288	0.500000
345	22.398040	23.657164	22.615234	23.249449	23.263488	0.500000
346	22.464020	23.637146	22.609773	23.250305	23.261750	0.500000
347	22.521452	23.671813	22.610626	23.250213	23.263945	0.500000
348	22.442505	23.632782	22.598998	23.248535	23.261657	0.500000
349	22.473907	23.612457	22.577606	23.248475	23.249786	0.500000
350	22.415528	23.631471	22.566039	23.248170	23.251495	0.500000
351	22.432861	23.611998	22.556215	23.249116	23.237520	0.500000
352	22.456023	23.649048	22.582520	23.248443	23.242614	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
309	0.500000	1.059754	3.655000e-3
310	0.500000	1.064879	3.656000e-3
311	0.500000	1.047576	3.656000e-3
312	0.500000	1.038423	3.656000e-3
313	0.500000	1.060241	3.657000e-3
314	0.500000	1.054598	3.657000e-3
315	0.500000	1.058777	3.656000e-3
316	0.500000	1.068206	3.656000e-3
317	0.500000	1.034454	3.655000e-3
318	0.500000	1.050783	3.655000e-3
319	0.500000	1.047608	3.655000e-3
320	0.500000	1.039125	3.656000e-3
321	0.500000	1.037751	3.656000e-3
322	0.500000	1.039643	3.656000e-3
323	0.500000	1.030150	3.655000e-3
324	0.500000	1.053986	3.655000e-3
325	0.500000	1.048126	3.656000e-3
326	0.500000	1.045349	3.656000e-3
327	0.500000	1.034881	3.656000e-3
328	0.500000	1.063172	3.656000e-3
329	0.500000	1.040282	3.657000e-3
330	0.500000	1.053315	3.656000e-3
331	0.500000	1.044127	3.656000e-3
332	0.500000	1.058503	3.656000e-3
333	0.500000	1.053039	3.656000e-3
334	0.500000	1.053345	3.656000e-3
335	0.500000	1.051759	3.656000e-3
336	0.500000	1.053559	3.657000e-3
337	0.500000	1.039765	3.656000e-3
338	0.500000	1.023530	3.657000e-3
339	0.500000	1.037810	3.656000e-3
340	0.500000	1.019012	3.657000e-3
341	0.500000	1.035735	3.656000e-3
342	0.500000	1.024964	3.657000e-3
343	0.500000	1.023407	3.657000e-3
344	0.500000	1.023134	3.656000e-3
345	0.500000	1.041930	3.657000e-3
346	0.500000	1.027373	3.656000e-3
347	0.500000	1.061187	3.657000e-3
348	0.500000	1.033784	3.657000e-3
349	0.500000	1.034851	3.656000e-3
350	0.500000	1.065432	3.657000e-3
351	0.500000	1.055783	3.655000e-3
352	0.500000	1.066528	3.656000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
353	03:02:08	133.301000	9.780000	0.040000	10.600000	0.060000
354	03:07:59	133.300000	9.750000	0.030000	10.440000	0.070000
355	03:13:49	133.301000	9.760000	0.040000	10.460000	0.040000
356	03:19:38	133.301000	9.750000	0.050000	10.590000	0.050000
357	03:25:28	133.302000	9.930000	0.090000	10.620000	0.070000
358	03:31:17	133.301000	9.820000	0.060000	10.460000	0.020000
359	03:37:07	133.301000	9.730000	0.060000	10.540000	0.060000
360	03:42:56	133.300000	9.840000	0.090000	10.570000	0.080000
361	03:48:45	133.300000	9.860000	0.050000	10.700000	0.050000
362	03:54:35	133.300000	10.010000	0.050000	10.520000	0.020000
363	04:00:23	133.300000	9.720000	0.080000	10.550000	0.080000
364	04:06:13	133.301000	9.970000	0.050000	10.560000	0.040000
365	04:12:02	133.301000	9.850000	0.030000	10.680000	0.040000
366	04:17:52	133.301000	10.130000	0.040000	10.580000	0.040000
367	04:23:42	133.301000	9.990000	0.100000	10.480000	0.020000
368	04:29:31	133.301000	10.030000	0.020000	10.510000	0.050000
369	04:35:21	133.301000	9.850000	0.090000	10.510000	0.050000
370	04:41:10	133.301000	9.670000	0.030000	10.570000	0.060000
371	04:47:00	133.300000	9.830000	0.030000	10.460000	0.090000
372	04:52:50	133.301000	9.750000	0.040000	10.580000	0.040000
373	04:58:40	133.301000	9.990000	0.030000	10.550000	0.090000
374	05:04:29	133.301000	9.900000	0.070000	10.350000	0.060000
375	05:10:18	133.301000	9.820000	0.060000	10.470000	0.080000
376	05:16:06	133.300000	9.640000	0.030000	10.550000	0.060000
377	05:21:54	133.301000	9.650000	0.060000	10.520000	0.040000
378	05:27:43	133.301000	9.810000	0.050000	10.590000	0.050000
379	05:33:31	133.301000	9.870000	0.010000	10.540000	0.060000
380	05:39:20	133.301000	9.690000	0.020000	10.510000	0.080000
381	05:45:08	133.301000	9.570000	0.060000	10.480000	0.030000
382	05:50:57	133.301000	9.620000	0.030000	10.520000	0.080000
383	05:56:45	133.302000	9.650000	0.020000	10.510000	0.040000
384	06:02:34	133.301000	9.790000	0.020000	10.610000	0.040000
385	06:08:22	133.301000	9.840000	0.090000	10.580000	0.030000
386	06:14:11	133.301000	10.090000	0.060000	10.440000	0.030000
387	06:19:59	133.300000	9.880000	0.030000	10.450000	0.080000
388	06:25:48	133.301000	9.730000	0.090000	10.410000	0.040000
389	06:31:36	133.301000	9.600000	0.040000	10.410000	0.010000
390	06:37:25	133.301000	9.650000	0.030000	10.460000	0.060000
391	06:43:13	133.301000	9.770000	0.010000	10.330000	0.020000
392	06:49:02	133.301000	9.820000	0.020000	10.420000	0.050000
393	06:54:50	133.301000	9.590000	0.060000	10.250000	0.060000
394	07:00:39	133.301000	9.590000	0.050000	10.510000	0.030000
395	07:06:27	133.301000	9.690000	0.050000	10.580000	0.050000
396	07:12:16	133.301000	9.670000	0.040000	10.490000	0.080000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
353	22.453644	23.647277	22.604981	23.246397	23.251465	0.500000
354	22.501831	23.644957	22.600465	23.245423	23.247771	0.500000
355	22.500641	23.621795	22.577088	23.243652	23.248963	0.500000
356	22.390379	23.595398	22.559448	23.242889	23.238678	0.500000
357	22.411894	23.600952	22.546203	23.243560	23.234953	0.500000
358	22.428069	23.586488	22.538147	23.244873	23.224792	0.500000
359	22.474853	23.595550	22.533538	23.244539	23.220521	0.500000
360	22.464325	23.575683	22.529876	23.244110	23.214325	0.500000
361	22.482879	23.572784	22.526612	23.246886	23.211518	0.500000
362	22.421479	23.555999	22.520905	23.247955	23.202088	0.500000
363	22.399597	23.551453	22.506287	23.248292	23.192260	0.500000
364	22.484741	23.544890	22.504577	23.246887	23.189881	0.500000
365	22.430205	23.530212	22.497038	23.247591	23.180115	0.500000
366	22.451386	23.526764	22.482483	23.246703	23.174133	0.500000
367	22.425873	23.502075	22.465942	23.245606	23.165558	0.500000
368	22.344269	23.491943	22.447600	23.246612	23.154053	0.500000
369	22.492187	23.459473	22.422728	23.244935	23.136354	0.500000
370	22.449004	23.445312	22.398009	23.245576	23.120790	0.500000
371	22.471098	23.447786	22.408264	23.246979	23.111847	0.500000
372	22.508056	23.457337	22.434083	23.244538	23.111635	0.500000
373	22.431762	23.477783	22.415771	23.245329	23.107973	0.500000
374	22.423706	23.441010	22.405915	23.245056	23.096557	0.500000
375	22.465088	23.459473	22.430145	23.243194	23.094725	0.500000
376	22.382323	23.502991	22.477722	23.243470	23.106415	0.500000
377	22.438354	23.539550	22.501220	23.239777	23.120118	0.500000
378	22.389404	23.534789	22.490631	23.241608	23.121918	0.500000
379	22.474122	23.498351	22.455687	23.241272	23.116211	0.500000
380	22.425780	23.467774	22.433197	23.238984	23.106110	0.500000
381	22.404510	23.431549	22.410341	23.234314	23.092255	0.500000
382	22.375550	23.446533	22.399260	23.235840	23.092620	0.500000
383	22.498993	23.449006	22.420259	23.233827	23.088868	0.500000
384	22.333800	23.499481	22.467772	23.233122	23.101286	0.500000
385	22.420439	23.513794	22.485260	23.233611	23.106598	0.500000
386	22.462677	23.511415	22.460907	23.233948	23.108306	0.500000
387	22.496123	23.471343	22.421174	23.234953	23.098511	0.500000
388	22.439208	23.425415	22.383485	23.236695	23.085144	0.500000
389	22.406036	23.427644	22.390778	23.237031	23.077607	0.500000
390	22.404968	23.475585	22.431794	23.238799	23.084627	0.500000
391	22.414917	23.496278	22.450319	23.236573	23.091003	0.500000
392	22.473998	23.483887	22.450135	23.237215	23.093415	0.500000
393	22.446868	23.487487	22.441834	23.238615	23.091217	0.500000
394	22.384064	23.479492	22.457122	23.238036	23.091553	0.500000
395	22.385191	23.508362	22.476439	23.239503	23.102569	0.500000
396	22.459290	23.534302	22.481200	23.238220	23.111357	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
353	0.500000	1.042296	3.657000e-3
354	0.500000	1.044492	3.656000e-3
355	0.500000	1.044707	3.658000e-3
356	0.500000	1.035950	3.656000e-3
357	0.500000	1.054749	3.656000e-3
358	0.500000	1.048341	3.656000e-3
359	0.500000	1.062012	3.656000e-3
360	0.500000	1.045807	3.656000e-3
361	0.500000	1.046172	3.656000e-3
362	0.500000	1.035094	3.656000e-3
363	0.500000	1.045166	3.656000e-3
364	0.500000	1.040313	3.656000e-3
365	0.500000	1.033174	3.656000e-3
366	0.500000	1.044281	3.655000e-3
367	0.500000	1.036133	3.655000e-3
368	0.500000	1.044343	3.655000e-3
369	0.500000	1.036745	3.655000e-3
370	0.500000	1.047303	3.655000e-3
371	0.500000	1.039522	3.655000e-3
372	0.500000	1.023254	3.655000e-3
373	0.500000	1.062012	3.655000e-3
374	0.500000	1.035095	3.655000e-3
375	0.500000	1.029328	3.656000e-3
376	0.500000	1.025269	3.656000e-3
377	0.500000	1.038330	3.656000e-3
378	0.500000	1.044158	3.656000e-3
379	0.500000	1.042664	3.655000e-3
380	0.500000	1.034577	3.655000e-3
381	0.500000	1.021208	3.655000e-3
382	0.500000	1.047273	3.656000e-3
383	0.500000	1.028747	3.655000e-3
384	0.500000	1.031709	3.656000e-3
385	0.500000	1.028534	3.656000e-3
386	0.500000	1.050508	3.655000e-3
387	0.500000	1.050169	3.655000e-3
388	0.500000	1.041930	3.655000e-3
389	0.500000	1.036866	3.655000e-3
390	0.500000	1.043791	3.656000e-3
391	0.500000	1.045959	3.656000e-3
392	0.500000	1.033752	3.655000e-3
393	0.500000	1.045653	3.655000e-3
394	0.500000	1.022370	3.655000e-3
395	0.500000	1.031923	3.656000e-3
396	0.500000	1.053102	3.656000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
397	07:18:04	133.301000	9.790000	0.040000	10.490000	0.070000
398	07:23:53	133.301000	9.760000	0.030000	10.540000	0.080000
399	07:29:42	133.301000	9.610000	0.050000	10.660000	0.080000
400	07:35:31	133.301000	9.720000	0.100000	10.510000	0.100000
401	07:41:19	133.301000	9.760000	0.060000	10.620000	0.050000
402	07:47:08	133.301000	9.870000	0.030000	10.750000	0.030000
403	07:52:57	133.301000	9.890000	0.030000	10.500000	0.030000
404	07:58:45	133.301000	9.800000	0.060000	10.450000	0.040000
405	08:04:34	133.302000	9.730000	0.060000	10.340000	0.030000
406	08:10:22	133.301000	9.670000	0.040000	10.600000	0.100000
407	08:16:10	133.301000	9.740000	0.020000	10.770000	0.060000
408	08:21:59	133.301000	9.840000	0.030000	10.690000	0.060000
409	08:27:48	133.301000	9.600000	0.070000	10.640000	0.060000
410	08:33:36	133.301000	9.610000	0.030000	10.800000	0.070000
411	08:39:25	133.301000	9.650000	0.030000	10.740000	0.060000
412	08:45:13	133.301000	9.700000	0.030000	10.640000	0.090000
413	08:51:03	133.301000	9.800000	0.070000	10.560000	0.050000
414	08:56:52	133.301000	9.910000	0.020000	10.560000	0.080000
415	09:02:42	133.301000	9.850000	0.020000	10.500000	0.040000
416	09:08:31	133.301000	9.880000	0.060000	10.500000	0.050000
417	09:14:21	133.301000	9.730000	0.020000	10.630000	0.040000
418	09:20:10	133.301000	9.760000	0.070000	10.370000	0.090000
419	09:25:59	133.300000	9.740000	0.060000	10.450000	0.060000
420	09:31:49	133.301000	9.880000	0.060000	10.400000	0.080000
421	09:37:39	133.301000	9.790000	0.060000	10.380000	0.030000
422	09:43:28	133.301000	9.750000	0.030000	10.310000	0.060000
423	09:49:18	133.301000	9.690000	0.040000	10.390000	0.100000
424	09:55:08	133.301000	9.850000	0.080000	10.410000	0.080000
425	10:00:58	133.301000	9.740000	0.030000	10.380000	0.030000
426	10:06:48	133.301000	9.820000	0.050000	10.410000	0.070000
427	10:12:38	133.301000	9.940000	0.090000	10.370000	0.030000
428	10:18:28	133.301000	9.890000	0.070000	10.350000	0.050000
429	10:24:18	133.300000	9.820000	0.040000	10.250000	0.040000
430	10:30:09	133.301000	9.730000	0.040000	10.330000	0.070000
431	10:35:58	133.301000	9.850000	0.050000	10.620000	0.100000
432	10:41:49	133.301000	9.910000	0.070000	10.480000	0.090000
433	10:47:39	133.302000	10.050000	0.060000	10.560000	0.060000
434	10:53:29	133.301000	9.880000	0.080000	10.600000	0.040000
435	10:59:19	133.301000	9.840000	0.040000	10.490000	0.070000
436	11:05:09	133.301000	9.740000	0.050000	10.540000	0.040000
437	11:10:59	133.301000	9.720000	0.030000	10.730000	0.030000
438	11:16:49	133.301000	9.880000	0.030000	10.730000	0.050000
439	11:22:39	133.301000	9.730000	0.020000	10.700000	0.030000
440	11:28:29	133.301000	9.810000	0.050000	10.650000	0.090000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
397	22.473418	23.510590	22.481141	23.237700	23.112945	0.500000
398	22.447876	23.517120	22.471098	23.238283	23.114228	0.500000
399	22.458527	23.492737	22.444153	23.236663	23.107757	0.500000
400	22.427856	23.489533	22.461333	23.241820	23.108887	0.500000
401	22.506623	23.527710	22.489440	23.240661	23.119750	0.500000
402	22.514343	23.520598	22.490173	23.241119	23.121858	0.500000
403	22.466034	23.550720	22.479400	23.243103	23.126006	0.500000
404	22.444794	23.541502	22.483215	23.242736	23.127990	0.500000
405	22.433135	23.550599	22.521394	23.242735	23.133240	0.500000
406	22.467772	23.582305	22.542725	23.242097	23.149751	0.500000
407	22.506194	23.563323	22.520020	23.242461	23.150665	0.500000
408	22.427704	23.522918	22.490020	23.241608	23.146668	0.500000
409	22.478394	23.499481	22.462737	23.239046	23.137117	0.500000
410	22.493591	23.483092	22.440674	23.242218	23.129089	0.500000
411	22.468566	23.467927	22.428406	23.241945	23.119417	0.500000
412	22.394745	23.489686	22.454467	23.241821	23.118164	0.500000
413	22.332184	23.525452	22.506408	23.243866	23.128784	0.500000
414	22.432281	23.564515	22.529114	23.242888	23.141206	0.500000
415	22.402434	23.580107	22.515991	23.244109	23.149171	0.500000
416	22.437195	23.548890	22.485899	23.243499	23.144470	0.500000
417	22.430939	23.508943	22.464203	23.243682	23.136413	0.500000
418	22.444548	23.480042	22.450225	23.241945	23.126495	0.500000
419	22.414734	23.454101	22.439758	23.240448	23.121827	0.500000
420	22.412292	23.479735	22.439087	23.239685	23.116699	0.500000
421	22.413451	23.484191	22.428526	23.240479	23.109680	0.500000
422	22.412903	23.450744	22.417144	23.239104	23.099944	0.500000
423	22.355315	23.469270	22.430481	23.238036	23.100923	0.500000
424	22.395477	23.518188	22.480684	23.238739	23.111573	0.500000
425	22.490324	23.580412	22.530639	23.239289	23.130403	0.500000
426	22.425141	23.595428	22.553711	23.238220	23.142211	0.500000
427	22.410216	23.606325	22.553895	23.237610	23.156342	0.500000
428	22.511048	23.578644	22.556061	23.238830	23.159668	0.500000
429	22.513337	23.624909	22.568176	23.239167	23.174470	0.500000
430	22.466492	23.608429	22.581604	23.239562	23.181579	0.500000
431	22.489135	23.600402	22.597534	23.240447	23.192933	0.500000
432	22.545166	23.660646	22.620056	23.243683	23.207612	0.500000
433	22.474792	23.687224	22.637939	23.247102	23.225159	0.500000
434	22.486572	23.675415	22.654846	23.248323	23.237214	0.500000
435	22.447724	23.683898	22.673920	23.249695	23.252442	0.500000
436	22.520020	23.718810	22.693145	23.251892	23.265442	0.500000
437	22.516510	23.751921	22.728791	23.251252	23.287720	0.500000
438	22.488708	23.775878	22.760225	23.252411	23.310425	0.500000
439	22.511506	23.797913	22.790770	23.253204	23.331451	0.500000
440	22.484161	23.822815	22.819703	23.255188	23.358155	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
397	0.500000	1.029449	3.656000e-3
398	0.500000	1.046022	3.656000e-3
399	0.500000	1.048584	3.655000e-3
400	0.500000	1.028200	3.655000e-3
401	0.500000	1.038270	3.655000e-3
402	0.500000	1.030425	3.656000e-3
403	0.500000	1.071320	3.656000e-3
404	0.500000	1.058287	3.656000e-3
405	0.500000	1.029205	3.656000e-3
406	0.500000	1.039580	3.657000e-3
407	0.500000	1.043303	3.656000e-3
408	0.500000	1.032898	3.656000e-3
409	0.500000	1.036744	3.655000e-3
410	0.500000	1.042418	3.655000e-3
411	0.500000	1.039521	3.655000e-3
412	0.500000	1.035219	3.655000e-3
413	0.500000	1.019044	3.656000e-3
414	0.500000	1.035401	3.656000e-3
415	0.500000	1.064116	3.656000e-3
416	0.500000	1.062991	3.656000e-3
417	0.500000	1.044740	3.655000e-3
418	0.500000	1.029817	3.656000e-3
419	0.500000	1.014343	3.655000e-3
420	0.500000	1.040648	3.655000e-3
421	0.500000	1.055665	3.655000e-3
422	0.500000	1.033600	3.655000e-3
423	0.500000	1.038789	3.656000e-3
424	0.500000	1.037504	3.656000e-3
425	0.500000	1.049773	3.656000e-3
426	0.500000	1.041717	3.657000e-3
427	0.500000	1.052430	3.657000e-3
428	0.500000	1.022583	3.656000e-3
429	0.500000	1.056733	3.656000e-3
430	0.500000	1.026825	3.657000e-3
431	0.500000	1.002868	3.657000e-3
432	0.500000	1.040590	3.658000e-3
433	0.500000	1.049285	3.658000e-3
434	0.500000	1.020569	3.658000e-3
435	0.500000	1.009978	3.658000e-3
436	0.500000	1.025665	3.658000e-3
437	0.500000	1.023130	3.659000e-3
438	0.500000	1.015653	3.659000e-3
439	0.500000	1.007143	3.659000e-3
440	0.000000	1.003112	3.659000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
441	11:34:20	133.302000	9.740000	0.050000	10.760000	0.040000
442	11:40:10	133.301000	9.680000	0.030000	11.000000	0.090000
443	11:46:01	133.301000	9.850000	0.030000	11.030000	0.060000
444	11:51:51	133.301000	10.000000	0.100000	10.920000	0.130000
445	11:57:42	133.301000	9.810000	0.050000	10.880000	0.070000
446	12:03:32	133.301000	9.650000	0.050000	10.970000	0.030000
447	12:09:23	133.301000	9.770000	0.030000	11.000000	0.080000
448	12:15:13	133.301000	9.610000	0.040000	10.890000	0.080000
449	12:21:03	133.301000	9.620000	0.040000	10.960000	0.030000
450	12:26:54	133.302000	9.660000	0.060000	10.760000	0.080000
451	12:32:44	133.301000	9.770000	0.040000	10.780000	0.040000
452	12:38:35	133.301000	9.720000	0.050000	10.700000	0.050000
453	12:44:25	133.301000	9.610000	0.030000	10.580000	0.060000
454	12:50:14	133.302000	9.690000	0.040000	10.640000	0.080000
455	12:56:03	133.301000	9.710000	0.080000	10.600000	0.070000
456	13:01:52	133.302000	9.680000	0.040000	10.660000	0.040000
457	13:07:41	133.302000	9.630000	0.030000	10.680000	0.020000
458	13:13:29	133.302000	9.770000	0.050000	10.620000	0.040000
459	13:19:18	133.302000	9.660000	0.030000	10.700000	0.060000
460	13:25:08	133.302000	9.730000	0.020000	10.700000	0.060000
461	13:30:57	133.302000	9.720000	0.100000	10.740000	0.110000
462	13:36:45	133.302000	9.760000	0.070000	10.640000	0.040000
463	13:42:34	133.301000	9.800000	0.020000	10.570000	0.020000
464	13:48:23	133.302000	10.030000	0.040000	10.600000	0.070000
465	13:54:12	133.302000	9.970000	0.050000	10.440000	0.090000
466	14:00:02	133.301000	9.820000	0.030000	10.430000	0.040000
467	14:05:51	133.301000	9.760000	0.020000	10.560000	0.040000
468	14:11:40	133.302000	9.910000	0.030000	10.590000	0.030000
469	14:17:30	133.301000	9.840000	0.090000	10.530000	0.090000
470	14:23:19	133.302000	10.050000	0.080000	10.210000	0.060000
471	14:29:08	133.301000	9.850000	0.080000	10.100000	0.030000
472	14:34:58	133.301000	9.760000	0.030000	10.160000	0.090000
473	14:40:46	133.302000	9.710000	0.080000	10.290000	0.060000
474	14:46:36	133.301000	9.850000	0.050000	10.340000	0.050000
475	14:52:25	133.301000	9.980000	0.030000	10.200000	0.010000
476	14:58:14	133.302000	9.900000	0.050000	10.270000	0.040000
477	15:04:03	133.301000	9.740000	0.030000	10.350000	0.090000
478	15:09:52	133.302000	9.760000	0.030000	10.480000	0.060000
479	15:15:41	133.301000	9.610000	0.040000	10.510000	0.060000
480	15:21:30	133.301000	9.690000	0.050000	10.470000	0.080000
481	15:27:20	133.301000	9.680000	0.100000	10.330000	0.070000
482	15:33:08	133.302000	9.690000	0.030000	10.300000	0.050000
483	15:38:57	133.302000	9.600000	0.030000	10.420000	0.040000
484	15:44:47	133.301000	9.540000	0.050000	10.540000	0.090000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
441	22.470183	23.868622	22.842621	23.258025	23.382538	0.500000
442	22.522888	23.878174	22.845978	23.257447	23.403564	0.500000
443	22.513885	23.851257	22.823608	23.257783	23.410217	0.500000
444	22.490813	23.831634	22.803435	23.258882	23.414154	0.500000
445	22.479858	23.843751	22.808775	23.260987	23.418611	0.500000
446	22.562866	23.847290	22.824127	23.262420	23.431000	0.500000
447	22.549042	23.868134	22.844665	23.263031	23.444886	0.500000
448	22.501342	23.881683	22.846038	23.265076	23.456207	0.500000
449	22.486877	23.852876	22.804413	23.269500	23.452026	0.500000
450	22.614655	23.736542	22.708373	23.269774	23.421540	0.500000
451	22.488799	23.625398	22.585845	23.270448	23.382385	0.500000
452	22.550263	23.538513	22.503783	23.273131	23.332886	0.500000
453	22.522308	23.524139	22.492981	23.274993	23.301422	0.500000
454	22.506957	23.586031	22.540588	23.277374	23.292114	0.500000
455	22.481048	23.665834	22.634491	23.279144	23.301117	0.500000
456	22.537474	23.778777	22.747376	23.280855	23.328643	0.500000
457	22.548034	23.860747	22.863832	23.282227	23.367706	0.500000
458	22.574493	23.928954	22.919554	23.286316	23.404573	0.500000
459	22.540771	23.926055	22.887331	23.288512	23.427307	0.500000
460	22.603118	23.805848	22.784546	23.290649	23.410402	0.500000
461	22.624726	23.729890	22.683105	23.295961	23.387877	0.500000
462	22.586944	23.681945	22.642456	23.298982	23.368468	0.500000
463	22.553925	23.669251	22.663421	23.302979	23.356507	0.500000
464	22.587065	23.712707	22.698885	23.305755	23.356934	0.500000
465	22.638154	23.794312	22.752013	23.314392	23.373107	0.500000
466	22.715759	23.852966	22.826996	23.321045	23.396240	0.500000
467	22.703216	23.893891	22.861571	23.330473	23.418121	0.500000
468	22.660675	23.868652	22.811920	23.336639	23.421205	0.500000
469	22.672851	23.748443	22.710571	23.339812	23.398101	0.500000
470	22.611451	23.695647	22.633606	23.339782	23.374817	0.500000
471	22.555663	23.674254	22.617888	23.339081	23.356108	0.500000
472	22.505278	23.705965	22.639802	23.337187	23.351074	0.500000
473	22.623260	23.709290	22.652649	23.335755	23.347321	0.500000
474	22.576110	23.768188	22.702942	23.335051	23.355376	0.500000
475	22.503204	23.809142	22.774415	23.333619	23.370605	0.500000
476	22.472777	23.847077	22.803436	23.335999	23.388947	0.500000
477	22.566802	23.820738	22.769838	23.336456	23.397155	0.500000
478	22.497406	23.750701	22.684874	23.335051	23.380737	0.500000
479	22.551422	23.666534	22.623658	23.334198	23.353944	0.500000
480	22.569336	23.679383	22.612915	23.333099	23.341432	0.500000
481	22.544617	23.691040	22.654328	23.333192	23.339476	0.500000
482	22.518920	23.741087	22.715729	23.333741	23.351409	0.500000
483	22.498993	23.817658	22.773011	23.333191	23.367493	0.500000
484	22.559571	23.860015	22.800935	23.334289	23.390992	0.500000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
441	0.000000	1.026001	3.659000e-3
442	0.000000	1.032196	3.660000e-3
443	0.000000	1.027649	3.659000e-3
444	0.000000	1.028199	3.659000e-3
445	0.000000	1.034976	3.659000e-3
446	0.000000	1.023163	3.659000e-3
447	0.000000	1.023469	3.660000e-3
448	0.000000	1.035645	3.660000e-3
449	0.000000	1.048463	3.659000e-3
450	0.000000	1.028169	3.658000e-3
451	0.000000	1.039553	3.657000e-3
452	0.000000	1.034730	3.656000e-3
453	0.000000	1.031158	3.656000e-3
454	0.000000	1.045443	3.656000e-3
455	0.500000	1.031343	3.658000e-3
456	0.500000	1.031401	3.658000e-3
457	0.500000	0.996915	3.660000e-3
458	0.000000	1.009400	3.660000e-3
459	0.000000	1.038724	3.660000e-3
460	0.000000	1.021302	3.659000e-3
461	0.000000	1.046785	3.658000e-3
462	0.000000	1.039489	3.657000e-3
463	0.000000	1.005830	3.658000e-3
464	0.000000	1.013822	3.658000e-3
465	0.000000	1.042299	3.658000e-3
466	0.000000	1.025970	3.660000e-3
467	0.000000	1.032320	3.659000e-3
468	0.000000	1.056732	3.659000e-3
469	0.000000	1.037872	3.658000e-3
470	0.000000	1.062041	3.658000e-3
471	0.000000	1.056366	3.658000e-3
472	0.500000	1.066163	3.658000e-3
473	0.500000	1.056641	3.658000e-3
474	0.500000	1.065246	3.659000e-3
475	0.500000	1.034727	3.659000e-3
476	0.500000	1.043641	3.659000e-3
477	0.000000	1.050900	3.659000e-3
478	0.000000	1.065827	3.658000e-3
479	0.000000	1.042876	3.658000e-3
480	0.500000	1.066468	3.658000e-3
481	0.500000	1.036712	3.659000e-3
482	0.500000	1.025358	3.658000e-3
483	0.500000	1.044647	3.659000e-3
484	0.500000	1.059080	3.659000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
485	15:50:35	133.301000	9.620000	0.030000	10.650000	0.070000
486	15:56:24	133.301000	9.720000	0.070000	10.500000	0.040000
487	16:02:13	133.302000	9.780000	0.060000	10.390000	0.080000
488	16:08:02	133.301000	9.540000	0.040000	10.400000	0.080000
489	16:13:51	133.302000	9.460000	0.030000	10.430000	0.020000
490	16:19:41	133.303000	9.570000	0.050000	10.550000	0.060000
491	16:25:30	133.301000	9.560000	0.040000	10.400000	0.050000
492	16:31:19	133.301000	9.600000	0.060000	10.480000	0.020000
493	16:37:09	133.302000	9.660000	0.080000	10.440000	0.080000
494	16:42:58	133.302000	9.450000	0.040000	10.540000	0.070000
495	16:48:47	133.301000	9.500000	0.060000	10.580000	0.100000
496	16:54:37	133.301000	9.640000	0.050000	10.590000	0.040000
497	17:00:25	133.301000	9.570000	0.040000	10.490000	0.010000
498	17:06:14	133.302000	9.610000	0.030000	10.570000	0.030000
499	17:12:04	133.302000	9.540000	0.060000	10.440000	0.060000
500	17:17:53	133.301000	9.590000	0.040000	10.370000	0.040000
501	17:23:42	133.302000	9.510000	0.020000	10.520000	0.060000
502	17:29:31	133.301000	9.460000	0.050000	10.650000	0.070000
503	17:35:21	133.301000	9.440000	0.040000	10.560000	0.040000
504	17:41:10	133.301000	9.460000	0.060000	10.680000	0.070000
505	17:47:00	133.301000	9.350000	0.070000	10.460000	0.040000
506	17:52:49	133.301000	9.420000	0.040000	10.630000	0.170000
507	17:58:38	133.301000	9.590000	0.030000	10.490000	0.080000
508	18:04:28	133.302000	9.580000	0.040000	10.380000	0.060000
509	18:10:17	133.302000	9.590000	0.050000	10.460000	0.030000
510	18:16:06	133.302000	9.490000	0.040000	10.330000	0.020000
511	18:21:55	133.302000	9.500000	0.060000	10.330000	0.090000
512	18:27:44	133.302000	9.510000	0.070000	10.350000	0.050000
513	18:33:33	133.302000	9.890000	0.010000	10.420000	0.070000
514	18:39:23	133.302000	9.800000	0.100000	10.340000	0.020000
515	18:45:12	133.302000	9.710000	0.010000	10.190000	0.050000
516	18:51:01	133.302000	9.660000	0.050000	10.400000	0.050000
517	18:56:51	133.302000	9.520000	0.040000	10.380000	0.070000
518	19:02:41	133.302000	9.630000	0.050000	10.420000	0.070000
519	19:08:30	133.302000	9.590000	0.070000	10.300000	0.080000
520	19:14:19	133.302000	9.550000	0.040000	10.270000	0.020000
521	19:20:09	133.302000	9.530000	0.080000	10.250000	0.060000
522	19:25:58	133.302000	9.500000	0.060000	10.270000	0.080000
523	19:31:48	133.301000	9.690000	0.020000	10.130000	0.060000
524	19:37:38	133.302000	9.730000	0.060000	10.210000	0.040000
525	19:43:27	133.302000	9.740000	0.050000	10.210000	0.060000
526	19:49:17	133.301000	9.600000	0.060000	10.050000	0.070000
527	19:55:06	133.302000	9.570000	0.020000	10.020000	0.100000
528	20:00:55	133.302000	9.500000	0.070000	10.100000	0.050000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
485	22.623810	23.808319	22.760590	23.335204	23.390381	0.500000
486	22.565002	23.730621	22.678833	23.335876	23.373292	0.500000
487	22.513580	23.662750	22.626128	23.335450	23.348357	0.500000
488	22.579131	23.644714	22.627594	23.334929	23.335877	0.500000
489	22.483062	23.704254	22.656707	23.334320	23.339018	0.500000
490	22.504181	23.749604	22.704467	23.335329	23.347383	0.500000
491	22.515015	23.787506	22.762726	23.337129	23.359619	0.500000
492	22.499420	23.840148	22.804535	23.335999	23.384309	0.500000
493	22.527954	23.813965	22.777679	23.335939	23.392702	0.500000
494	22.590270	23.735899	22.691925	23.335083	23.374571	0.500000
495	22.500336	23.664430	22.612731	23.334777	23.347595	0.500000
496	22.531647	23.630097	22.591920	23.334076	23.325410	0.500000
497	22.555632	23.641479	22.597535	23.334625	23.316131	0.500000
498	22.559113	23.683929	22.626405	23.333161	23.317322	0.500000
499	22.480926	23.703492	22.668762	23.332762	23.321259	0.500000
500	22.475860	23.753876	22.714539	23.332489	23.330446	0.500000
501	22.531769	23.799012	22.776825	23.331085	23.355928	0.500000
502	22.522492	23.856263	22.803466	23.329530	23.379607	0.500000
503	22.493987	23.820069	22.761627	23.328767	23.383880	0.500000
504	22.496275	23.722687	22.657929	23.326996	23.364137	0.500000
505	22.438323	23.589172	22.552154	23.325531	23.324737	0.500000
506	22.510712	23.558287	22.503906	23.323303	23.289763	0.500000
507	22.483642	23.564515	22.508209	23.324707	23.272706	0.500000
508	22.468261	23.554015	22.531708	23.325165	23.259521	0.500000
509	22.490601	23.613128	22.566193	23.320770	23.259582	0.500000
510	22.458221	23.642821	22.603545	23.319183	23.263366	0.500000
511	22.511534	23.669922	22.634520	23.316833	23.270721	0.500000
512	22.519745	23.726228	22.667451	23.315002	23.288300	0.500000
513	22.446105	23.735567	22.691713	23.313384	23.295409	0.500000
514	22.393097	23.729585	22.647858	23.311859	23.302613	0.500000
515	22.483124	23.603699	22.540222	23.312745	23.272584	0.500000
516	22.500548	23.506196	22.437134	23.309388	23.233734	0.500000
517	22.484040	23.450407	22.384460	23.306031	23.197112	0.500000
518	22.498016	23.420959	22.376678	23.304139	23.170350	0.500000
519	22.479431	23.436858	22.382172	23.302428	23.149324	0.500000
520	22.448089	23.481904	22.420411	23.298919	23.143952	0.500000
521	22.452178	23.531189	22.495087	23.298035	23.151277	0.500000
522	22.447724	23.609039	22.570313	23.301329	23.174501	0.500000
523	22.506318	23.663726	22.623840	23.301606	23.193665	0.500000
524	22.552368	23.686462	22.654023	23.297545	23.211608	0.500000
525	22.483093	23.707611	22.630798	23.296967	23.226715	0.500000
526	22.491607	23.583742	22.516021	23.296723	23.206238	0.500000
527	22.475128	23.428650	22.342345	23.295351	23.160521	0.500000
528	22.441589	23.242708	22.182403	23.292572	23.090698	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
485	0.000000	1.047729	3.659000e-3
486	0.000000	1.051788	3.658000e-3
487	0.000000	1.036622	3.658000e-3
488	0.000000	1.017120	3.658000e-3
489	0.500000	1.047547	3.658000e-3
490	0.500000	1.045137	3.659000e-3
491	0.500000	1.024780	3.659000e-3
492	0.500000	1.035613	3.660000e-3
493	0.000000	1.036286	3.659000e-3
494	0.000000	1.043974	3.658000e-3
495	0.000000	1.051699	3.657000e-3
496	0.000000	1.038177	3.657000e-3
497	0.500000	1.043944	3.657000e-3
498	0.500000	1.057524	3.658000e-3
499	0.500000	1.034730	3.658000e-3
500	0.500000	1.039337	3.659000e-3
501	0.500000	1.022187	3.659000e-3
502	0.500000	1.052797	3.659000e-3
503	0.500000	1.058442	3.659000e-3
504	0.000000	1.064758	3.658000e-3
505	0.000000	1.037018	3.657000e-3
506	0.500000	1.054381	3.656000e-3
507	0.500000	1.056306	3.657000e-3
508	0.500000	1.022307	3.656000e-3
509	0.500000	1.046935	3.658000e-3
510	0.500000	1.039276	3.658000e-3
511	0.500000	1.035402	3.658000e-3
512	0.500000	1.058777	3.659000e-3
513	0.500000	1.043854	3.658000e-3
514	0.500000	1.081727	3.658000e-3
515	0.500000	1.063477	3.657000e-3
516	0.500000	1.069062	3.656000e-3
517	0.500000	1.065947	3.656000e-3
518	0.500000	1.044281	3.656000e-3
519	0.500000	1.054686	3.655000e-3
520	0.500000	1.061493	3.656000e-3
521	0.500000	1.036102	3.657000e-3
522	0.500000	1.038726	3.658000e-3
523	0.500000	1.039886	3.658000e-3
524	0.500000	1.032439	3.658000e-3
525	0.500000	1.076813	3.658000e-3
526	0.500000	1.067721	3.656000e-3
527	0.500000	1.086305	3.655000e-3
528	0.500000	1.060305	3.653000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
529	20:06:45	133.302000	9.830000	0.040000	10.140000	0.040000
530	20:12:34	133.301000	9.750000	0.050000	10.030000	0.070000
531	20:18:23	133.302000	9.770000	0.080000	9.830000	0.050000
532	20:24:13	133.302000	9.640000	0.050000	9.800000	0.110000
533	20:30:02	133.302000	9.510000	0.060000	9.990000	0.060000
534	20:35:52	133.301000	9.740000	0.030000	10.070000	0.100000
535	20:41:42	133.301000	9.780000	0.070000	10.130000	0.070000
536	20:47:31	133.301000	9.750000	0.050000	10.170000	0.040000
537	20:53:20	133.303000	9.790000	0.010000	10.060000	0.030000
538	20:59:09	133.302000	9.630000	0.020000	9.900000	0.030000
539	21:04:58	133.302000	9.520000	0.060000	9.940000	0.070000
540	21:10:47	133.302000	9.490000	0.080000	10.090000	0.080000
541	21:16:36	133.302000	9.760000	0.060000	10.000000	0.120000
542	21:22:25	133.302000	9.750000	0.040000	10.000000	0.040000
543	21:28:14	133.302000	9.870000	0.020000	9.900000	0.060000
544	21:34:03	133.301000	9.690000	0.030000	9.740000	0.050000
545	21:39:52	133.302000	9.730000	0.050000	9.950000	0.020000
546	21:45:42	133.302000	9.940000	0.040000	10.150000	0.040000
547	21:51:32	133.301000	9.950000	0.030000	10.050000	0.020000
548	21:57:21	133.301000	9.760000	0.070000	10.130000	0.040000
549	22:03:11	133.302000	9.830000	0.040000	10.250000	0.050000
550	22:09:00	133.302000	9.780000	0.050000	10.270000	0.030000
551	22:14:49	133.302000	9.650000	0.050000	10.420000	0.070000
552	22:20:38	133.303000	9.870000	0.010000	10.280000	0.020000
553	22:26:27	133.302000	9.810000	0.050000	10.160000	0.030000
554	22:32:16	133.302000	9.710000	0.040000	10.190000	0.060000
555	22:38:06	133.302000	9.740000	0.060000	10.340000	0.070000
556	22:43:55	133.303000	9.770000	0.040000	10.120000	0.060000
557	22:49:45	133.302000	9.670000	0.050000	10.000000	0.040000
558	22:55:35	133.302000	9.540000	0.030000	9.970000	0.060000
559	23:01:24	133.302000	9.590000	0.060000	9.880000	0.070000
560	23:07:14	133.302000	9.670000	0.020000	9.670000	0.070000
561	23:13:03	133.302000	9.680000	0.040000	9.660000	0.030000
562	23:18:53	133.301000	9.740000	0.040000	9.710000	0.080000
563	23:24:42	133.303000	9.760000	0.090000	9.700000	0.070000
564	23:30:32	133.302000	9.790000	0.060000	9.470000	0.060000
565	23:36:21	133.302000	10.080000	0.050000	9.570000	0.030000
566	23:42:11	133.302000	9.820000	0.030000	9.520000	0.100000
567	23:48:01	133.302000	9.720000	0.080000	9.670000	0.100000
568	23:53:50	133.302000	9.700000	0.040000	9.490000	0.100000
569	23:59:40	133.302000	9.960000	0.050000	9.460000	0.040000
570	00:05:30	133.302000	9.880000	0.020000	9.470000	0.070000
571	00:11:20	133.302000	9.870000	0.010000	9.390000	0.030000
572	00:17:10	133.302000	9.810000	0.060000	9.670000	0.070000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmby	MagSteel(near pole	2-HeidenhainR(um
529	22.315826	23.165436	22.089661	23.289520	23.026671	0.500000
530	22.386994	23.124175	22.081819	23.286012	22.979493	0.500000
531	22.392394	23.179504	22.136383	23.282227	22.956300	0.500000
532	22.427337	23.264497	22.217651	23.279175	22.954376	0.500000
533	22.403137	23.335083	22.316710	23.276336	22.966004	0.500000
534	22.489960	23.467864	22.414002	23.274383	22.995390	0.500000
535	22.404754	23.524384	22.482452	23.271574	23.028075	0.500000
536	22.441010	23.521485	22.461029	23.271301	23.040618	0.500000
537	22.475647	23.393128	22.339752	23.267149	23.021331	0.500000
538	22.406249	23.265749	22.207673	23.266844	22.980499	0.500000
539	22.410614	23.191466	22.132965	23.266328	22.942138	0.500000
540	22.421417	23.140016	22.093506	23.263398	22.906251	0.500000
541	22.493042	23.143737	22.087129	23.260620	22.880859	0.500000
542	22.445006	23.172944	22.111937	23.260620	22.865784	1.000000
543	22.423522	23.227477	22.172730	23.257629	22.866211	1.000000
544	22.432067	23.284669	22.251924	23.252410	22.880280	1.000000
545	22.358887	23.365875	22.313660	23.250153	22.902588	1.000000
546	22.395081	23.380584	22.355926	23.243042	22.924926	1.000000
547	22.343688	23.423188	22.378266	23.239472	22.945098	0.500000
548	22.352752	23.443999	22.394195	23.233521	22.965393	0.500000
549	22.395751	23.490173	22.409300	23.226959	22.987304	0.500000
550	22.298736	23.486481	22.439026	23.223603	23.006713	0.500000
551	22.403321	23.519897	22.465027	23.223084	23.029479	0.500000
552	22.392334	23.506958	22.472625	23.220552	23.042664	0.500000
553	22.414214	23.510711	22.481780	23.222472	23.057036	0.500000
554	22.463989	23.514069	22.451814	23.225922	23.065123	0.500000
555	22.474365	23.408356	22.359252	23.226928	23.044098	0.500000
556	22.462646	23.303650	22.237000	23.226044	23.009276	0.500000
557	22.457244	23.185546	22.139040	23.228943	22.961425	0.500000
558	22.473571	23.130249	22.073913	23.228576	22.917848	0.500000
559	22.449250	23.072082	22.022919	23.226991	22.873656	0.500000
560	22.416045	23.036805	21.984954	23.225677	22.832399	0.500000
561	22.426695	23.020204	21.959350	23.225922	22.794158	1.000000
562	22.278809	23.018067	21.945282	23.225922	22.765717	1.000000
563	22.403228	22.998109	21.937409	23.221374	22.739043	1.000000
564	22.387268	23.002930	21.930816	23.219362	22.714905	1.000000
565	22.381470	22.993438	21.928773	23.218505	22.695008	1.000000
566	22.346222	22.986938	21.933289	23.216370	22.678222	1.000000
567	22.418549	22.990785	21.941865	23.213869	22.661407	1.000000
568	22.398529	22.997559	21.951967	23.211060	22.657103	1.000000
569	22.370116	23.029175	21.957703	23.210632	22.651093	1.000000
570	22.366027	23.022767	21.967683	23.209106	22.647491	1.000000
571	22.385833	23.026885	21.960633	23.206207	22.642274	1.000000
572	22.379028	23.040681	21.971678	23.206635	22.641082	1.000000

	3-HeidenhainL(um)	14-coil-H2Oin(C)	ltage across termin
529	0.500000	1.075775	3.653000e-3
530	0.500000	1.042356	3.653000e-3
531	0.500000	1.043121	3.654000e-3
532	0.500000	1.046846	3.654000e-3
533	1.000000	1.018373	3.656000e-3
534	1.000000	1.053862	3.656000e-3
535	0.500000	1.041932	3.657000e-3
536	0.500000	1.060456	3.656000e-3
537	0.500000	1.053376	3.655000e-3
538	0.500000	1.058076	3.654000e-3
539	0.500000	1.058501	3.653000e-3
540	0.500000	1.046510	3.653000e-3
541	1.000000	1.056608	3.653000e-3
542	1.000000	1.061007	3.654000e-3
543	1.000000	1.054747	3.654000e-3
544	1.000000	1.032745	3.655000e-3
545	1.000000	1.052215	3.656000e-3
546	1.000000	1.024658	3.656000e-3
547	1.000000	1.044922	3.656000e-3
548	1.000000	1.049804	3.656000e-3
549	0.500000	1.080873	3.656000e-3
550	0.500000	1.047455	3.656000e-3
551	0.500000	1.054870	3.657000e-3
552	0.500000	1.034333	3.656000e-3
553	0.500000	1.028931	3.657000e-3
554	0.500000	1.062255	3.656000e-3
555	0.500000	1.049104	3.655000e-3
556	0.500000	1.066650	3.653000e-3
557	0.500000	1.046506	3.653000e-3
558	0.500000	1.056336	3.653000e-3
559	0.500000	1.049163	3.653000e-3
560	0.500000	1.051851	3.652000e-3
561	1.000000	1.060854	3.652000e-3
562	1.000000	1.072785	3.652000e-3
563	1.000000	1.060700	3.652000e-3
564	1.000000	1.072114	3.652000e-3
565	1.000000	1.064665	3.652000e-3
566	1.000000	1.053649	3.652000e-3
567	1.000000	1.048920	3.651000e-3
568	1.000000	1.045592	3.652000e-3
569	1.000000	1.071472	3.652000e-3
570	1.000000	1.055084	3.652000e-3
571	1.000000	1.066252	3.652000e-3
572	1.000000	1.069003	3.652000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
573	00:23:00	133.302000	9.880000	0.060000	9.760000	0.030000
574	00:28:49	133.302000	10.130000	0.110000	9.820000	0.080000
575	00:34:39	133.302000	10.010000	0.020000	9.620000	0.060000
576	00:40:28	133.302000	9.950000	0.040000	9.600000	0.070000
577	00:46:18	133.302000	9.960000	0.030000	9.710000	0.070000
578	00:52:07	133.303000	9.830000	0.020000	9.770000	0.070000
579	00:57:57	133.302000	9.870000	0.030000	9.900000	0.060000
580	01:03:47	133.302000	9.770000	0.030000	9.940000	0.040000
581	01:09:36	133.303000	10.070000	0.050000	9.910000	0.130000
582	01:15:25	133.303000	9.950000	0.030000	9.730000	0.050000
583	01:21:15	133.302000	9.800000	0.080000	9.530000	0.060000
584	01:27:04	133.303000	9.690000	0.090000	9.540000	0.040000
585	01:32:53	133.303000	9.700000	0.070000	9.760000	0.020000
586	01:38:42	133.303000	9.720000	0.050000	9.680000	0.080000
587	01:44:32	133.302000	9.840000	0.060000	9.640000	0.040000
588	01:50:22	133.302000	9.680000	0.060000	9.610000	0.080000
589	01:56:11	133.302000	9.710000	0.020000	9.690000	0.030000
590	02:02:00	133.302000	9.790000	0.060000	9.720000	0.040000
591	02:07:49	133.303000	9.690000	0.050000	9.740000	0.070000
592	02:13:38	133.302000	9.690000	0.030000	9.710000	0.080000
593	02:19:27	133.303000	9.790000	0.090000	9.730000	0.040000
594	02:25:16	133.303000	9.730000	0.080000	9.570000	0.080000
595	02:31:05	133.303000	9.570000	0.060000	9.600000	0.070000
596	02:36:54	133.302000	9.710000	0.040000	9.600000	0.080000
597	02:42:44	133.302000	9.740000	0.050000	9.870000	0.090000
598	02:48:33	133.302000	9.750000	0.030000	9.680000	0.050000
599	02:54:21	133.302000	9.850000	0.070000	9.600000	0.070000
600	03:00:10	133.302000	9.680000	0.040000	9.530000	0.070000
601	03:05:59	133.302000	9.620000	0.050000	9.720000	0.050000
602	03:11:48	133.302000	9.550000	0.080000	9.730000	0.090000
603	03:17:37	133.302000	9.640000	0.030000	9.670000	0.040000
604	03:23:25	133.303000	9.620000	0.040000	9.710000	0.090000
605	03:29:14	133.303000	9.660000	0.060000	9.580000	0.060000
606	03:35:03	133.302000	9.670000	0.080000	9.660000	0.060000
607	03:40:52	133.302000	9.580000	0.040000	9.680000	0.060000
608	03:46:41	133.303000	9.760000	0.050000	9.540000	0.090000
609	03:52:31	133.303000	9.690000	0.030000	9.630000	0.090000
610	03:58:20	133.302000	9.700000	0.050000	9.610000	0.050000
611	04:04:09	133.302000	9.770000	0.060000	9.710000	0.060000
612	04:09:59	133.303000	9.910000	0.050000	9.660000	0.040000
613	04:15:49	133.302000	9.730000	0.050000	9.590000	0.070000
614	04:21:38	133.302000	9.650000	0.040000	9.670000	0.090000
615	04:27:27	133.303000	9.730000	0.030000	9.530000	0.070000
616	04:33:17	133.303000	9.970000	0.030000	9.510000	0.070000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
573	22.376770	23.057618	22.000366	23.205047	22.644990	1.000000
574	22.444548	23.078156	22.033325	23.203309	22.652069	1.000000
575	22.349243	23.106963	22.055022	23.201384	22.664306	1.000000
576	22.406127	23.132387	22.073670	23.204467	22.676271	1.000000
577	22.417480	23.165831	22.111878	23.207672	22.692139	1.000000
578	22.458558	23.186036	22.152558	23.207489	22.715240	1.000000
579	22.424926	23.192506	22.147248	23.209198	22.726226	1.000000
580	22.445588	23.177033	22.110626	23.211060	22.727477	1.000000
581	22.521576	23.118592	22.054047	23.210664	22.719969	1.000000
582	22.446441	23.058867	22.005005	23.212066	22.700868	1.000000
583	22.465057	23.036194	21.988158	23.210693	22.688934	1.000000
584	22.358276	23.057831	21.991851	23.212494	22.679228	1.000000
585	22.460052	23.066864	22.010254	23.214600	22.681732	1.000000
586	22.416350	23.068268	22.032991	23.213317	22.681428	1.000000
587	22.402527	23.102570	22.061219	23.211487	22.690278	1.000000
588	22.350678	23.131867	22.090240	23.212738	22.700716	1.000000
589	22.353272	23.148040	22.096467	23.211487	22.709137	1.000000
590	22.437133	23.118376	22.065125	23.211060	22.709014	1.000000
591	22.497832	23.092162	22.042357	23.207946	22.701111	1.000000
592	22.431519	23.082154	22.041473	23.207306	22.696777	1.000000
593	22.440276	23.104311	22.056396	23.207460	22.701201	1.000000
594	22.428984	23.138947	22.079011	23.208618	22.709351	1.000000
595	22.464842	23.154754	22.116179	23.210266	22.718964	1.000000
596	22.436585	23.211608	22.152741	23.211395	22.738953	1.000000
597	22.420134	23.217468	22.159455	23.210540	22.749664	1.000000
598	22.374053	23.188996	22.136293	23.212981	22.752501	1.000000
599	22.481322	23.148529	22.090974	23.215363	22.744688	1.000000
600	22.413208	23.099549	22.036317	23.217469	22.729097	1.000000
601	22.473418	23.054505	21.989685	23.217469	22.710634	1.000000
602	22.458648	23.027282	21.972413	23.217377	22.694245	1.000000
603	22.504057	23.032136	21.981354	23.219389	22.684601	1.000000
604	22.405548	23.053222	21.998138	23.219209	22.679658	1.000000
605	22.509155	23.066927	22.019258	23.218780	22.677855	1.000000
606	22.510254	23.104767	22.048555	23.219972	22.685973	1.000000
607	22.532927	23.117066	22.066284	23.221709	22.693666	1.000000
608	22.459044	23.092741	22.035431	23.220887	22.690216	1.000000
609	22.483215	23.046265	21.993256	23.221100	22.676270	1.000000
610	22.431366	23.038941	21.973450	23.219208	22.667084	1.000000
611	22.378723	23.031647	21.972962	23.219635	22.658692	1.000000
612	22.429625	23.035188	21.987458	23.219147	22.656160	1.000000
613	22.382874	23.053772	22.011840	23.216948	22.658539	1.000000
614	22.472565	23.108826	22.037018	23.216310	22.667663	1.000000
615	22.364745	23.123384	22.067444	23.217132	22.678132	1.000000
616	22.395477	23.140870	22.101683	23.217101	22.692139	1.000000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
573	1.000000	1.057252	3.653000e-3
574	1.000000	1.044831	3.652000e-3
575	1.000000	1.051941	3.653000e-3
576	1.000000	1.058717	3.653000e-3
577	1.000000	1.053953	3.653000e-3
578	1.000000	1.033478	3.654000e-3
579	1.000000	1.045258	3.654000e-3
580	1.000000	1.066407	3.653000e-3
581	1.000000	1.064545	3.653000e-3
582	1.000000	1.053862	3.653000e-3
583	1.000000	1.048036	3.652000e-3
584	1.000000	1.065980	3.652000e-3
585	1.000000	1.056610	3.653000e-3
586	1.000000	1.035277	3.653000e-3
587	1.000000	1.041351	3.653000e-3
588	1.000000	1.041627	3.654000e-3
589	1.000000	1.051573	3.653000e-3
590	1.000000	1.053251	3.653000e-3
591	1.000000	1.049805	3.653000e-3
592	1.000000	1.040681	3.652000e-3
593	1.000000	1.047915	3.653000e-3
594	1.000000	1.059936	3.653000e-3
595	1.000000	1.038575	3.654000e-3
596	1.000000	1.058867	3.654000e-3
597	1.000000	1.058013	3.654000e-3
598	1.000000	1.052703	3.654000e-3
599	1.000000	1.057555	3.653000e-3
600	1.000000	1.063232	3.653000e-3
601	1.000000	1.064820	3.652000e-3
602	1.000000	1.054869	3.652000e-3
603	1.000000	1.050782	3.653000e-3
604	1.000000	1.055084	3.652000e-3
605	1.000000	1.047669	3.653000e-3
606	1.000000	1.056212	3.653000e-3
607	1.000000	1.050782	3.653000e-3
608	1.000000	1.057310	3.653000e-3
609	1.000000	1.053009	3.652000e-3
610	1.000000	1.065491	3.652000e-3
611	1.000000	1.058685	3.652000e-3
612	1.000000	1.047730	3.653000e-3
613	1.000000	1.041932	3.653000e-3
614	1.000000	1.071808	3.653000e-3
615	1.000000	1.055940	3.653000e-3
616	1.000000	1.039187	3.654000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
617	04:39:06	133.303000	9.840000	0.060000	9.520000	0.040000
618	04:44:56	133.302000	9.860000	0.040000	9.530000	0.080000
619	04:50:45	133.301000	9.750000	0.030000	9.450000	0.040000
620	04:56:34	133.302000	9.670000	0.090000	9.420000	0.070000
621	05:02:24	133.303000	9.640000	0.040000	9.480000	0.030000
622	05:08:13	133.303000	9.690000	0.020000	9.630000	0.030000
623	05:14:02	133.302000	9.750000	0.120000	9.570000	0.090000
624	05:19:52	133.303000	9.890000	0.060000	9.370000	0.060000
625	05:25:41	133.303000	9.900000	0.030000	9.550000	0.040000
626	05:31:30	133.303000	9.980000	0.050000	9.430000	0.070000
627	05:37:19	133.303000	9.860000	0.050000	9.420000	0.080000
628	05:43:09	133.302000	9.870000	0.040000	9.450000	0.100000
629	05:48:58	133.303000	9.940000	0.020000	9.640000	0.050000
630	05:54:48	133.303000	9.990000	0.060000	9.530000	0.100000
631	06:00:37	133.302000	10.090000	0.030000	9.440000	0.040000
632	06:06:26	133.303000	9.760000	0.030000	9.410000	0.070000
633	06:12:16	133.302000	9.710000	0.060000	9.590000	0.030000
634	06:18:06	133.302000	9.650000	0.080000	9.560000	0.060000
635	06:23:55	133.302000	9.920000	0.050000	9.460000	0.050000
636	06:29:45	133.303000	9.920000	0.040000	9.410000	0.040000
637	06:35:34	133.303000	9.860000	0.040000	9.350000	0.030000
638	06:41:23	133.303000	9.790000	0.050000	9.410000	0.040000
639	06:47:12	133.302000	9.750000	0.060000	9.480000	0.080000
640	06:53:02	133.303000	9.840000	0.070000	9.600000	0.050000
641	06:58:51	133.303000	9.980000	0.040000	9.650000	0.020000
642	07:04:40	133.303000	9.990000	0.080000	9.700000	0.030000
643	07:10:30	133.303000	9.860000	0.080000	9.620000	0.070000
644	07:16:19	133.302000	9.860000	0.060000	9.690000	0.080000
645	07:22:09	133.302000	9.830000	0.050000	9.610000	0.090000
646	07:27:58	133.303000	9.710000	0.060000	9.520000	0.070000
647	07:33:47	133.303000	9.710000	0.110000	9.740000	0.040000
648	07:39:37	133.302000	9.760000	0.070000	9.680000	0.050000
649	07:45:26	133.303000	9.660000	0.020000	9.780000	0.040000
650	07:51:16	133.303000	9.700000	0.090000	9.750000	0.030000
651	07:57:05	133.303000	9.720000	0.060000	10.010000	0.110000
652	08:02:55	133.303000	9.800000	0.070000	10.280000	0.070000
653	08:08:44	133.303000	9.740000	0.060000	10.320000	0.110000
654	08:14:33	133.303000	9.650000	0.110000	10.660000	0.090000
655	08:20:23	133.302000	9.700000	0.060000	10.760000	0.100000
656	08:26:12	133.303000	9.700000	0.100000	10.990000	0.040000
657	08:32:02	133.303000	9.720000	0.040000	10.870000	0.050000
658	08:37:51	133.303000	9.750000	0.070000	10.950000	0.090000
659	08:43:41	133.303000	9.700000	0.100000	10.850000	0.090000
660	08:49:29	133.303000	9.770000	0.020000	10.800000	0.090000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
617	22.453093	23.182342	22.120299	23.217989	22.706543	1.000000
618	22.444458	23.171876	22.095948	23.219514	22.712464	1.000000
619	22.524139	23.107667	22.047577	23.221558	22.703584	1.000000
620	22.476317	23.034821	21.971802	23.222014	22.683959	1.000000
621	22.475037	22.983614	21.913757	23.220888	22.657257	1.000000
622	22.441833	22.960815	21.898132	23.220093	22.635345	1.000000
623	22.492737	22.951813	21.900451	23.221130	22.622895	1.000000
624	22.493164	22.980010	21.917998	23.220857	22.616547	1.000000
625	22.508788	22.995728	21.937042	23.219695	22.614105	1.000000
626	22.481141	23.004517	21.951416	23.219727	22.613006	1.000000
627	22.489228	23.024171	21.970276	23.221589	22.616058	1.000000
628	22.471344	23.057188	22.006226	23.222688	22.622803	1.000000
629	22.484252	23.096435	22.040985	23.221314	22.636413	1.000000
630	22.479064	23.088500	22.030365	23.223115	22.646180	1.000000
631	22.445037	23.054567	22.001465	23.223420	22.642364	1.000000
632	22.466399	23.042877	21.986604	23.222229	22.639161	1.000000
633	22.495391	23.049712	21.995759	23.223115	22.640992	1.000000
634	22.483856	23.078187	22.019592	23.222229	22.646270	1.000000
635	22.498900	23.122162	22.050871	23.223693	22.659850	1.000000
636	22.481231	23.156218	22.092102	23.223998	22.678407	1.000000
637	22.467408	23.188477	22.122529	23.225341	22.695739	1.000000
638	22.487213	23.184142	22.118225	23.226929	22.710236	1.000000
639	22.420654	23.141753	22.088685	23.225952	22.710785	1.000000
640	22.483794	23.105468	22.034028	23.226228	22.701874	1.000000
641	22.384185	23.035584	21.984589	23.225160	22.681670	1.000000
642	22.405028	23.022309	21.966522	23.225159	22.670625	1.000000
643	22.433440	23.037230	21.973083	23.224334	22.665131	1.000000
644	22.378449	23.058229	21.998811	23.224213	22.664489	1.000000
645	22.417144	23.118896	22.071808	23.221956	22.680238	1.000000
646	22.458007	23.210907	22.159546	23.222688	22.708221	1.000000
647	22.467741	23.268585	22.220428	23.222840	22.743651	1.000000
648	22.459259	23.322206	22.280336	23.221651	22.775757	1.000000
649	22.484679	23.414307	22.385743	23.223388	22.825227	1.000000
650	22.454314	23.584258	22.575653	23.227386	22.909241	1.000000
651	22.479004	23.839447	22.812379	23.227296	23.024965	0.500000
652	22.485809	24.049683	23.033690	23.229002	23.151061	0.500000
653	22.499084	24.161193	23.141448	23.229797	23.263488	0.500000
654	22.485442	24.108855	23.098908	23.230866	23.336549	0.500000
655	22.534179	23.992372	22.939696	23.233369	23.363433	0.500000
656	22.510132	23.797912	22.773773	23.235290	23.345336	0.500000
657	22.434997	23.707123	22.679963	23.238372	23.332397	0.500000
658	22.547760	23.693268	22.654787	23.242219	23.324128	0.500000
659	22.559387	23.703278	22.682801	23.242735	23.327454	0.500000
660	22.467010	23.744139	22.734712	23.245482	23.341979	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
617	1.000000	1.062043	3.653000e-3
618	1.000000	1.075928	3.653000e-3
619	1.000000	1.060090	3.653000e-3
620	1.000000	1.063019	3.652000e-3
621	1.000000	1.069857	3.652000e-3
622	1.000000	1.062683	3.651000e-3
623	1.000000	1.051362	3.652000e-3
624	1.000000	1.062012	3.652000e-3
625	1.000000	1.058686	3.652000e-3
626	1.000000	1.053101	3.652000e-3
627	1.000000	1.053895	3.652000e-3
628	1.000000	1.050962	3.653000e-3
629	1.000000	1.055450	3.653000e-3
630	1.000000	1.058135	3.653000e-3
631	1.000000	1.053102	3.652000e-3
632	1.000000	1.056273	3.652000e-3
633	1.000000	1.053953	3.652000e-3
634	1.000000	1.058595	3.653000e-3
635	1.000000	1.071291	3.653000e-3
636	1.000000	1.064116	3.654000e-3
637	1.000000	1.065948	3.654000e-3
638	1.000000	1.065917	3.654000e-3
639	1.000000	1.053068	3.654000e-3
640	1.000000	1.071440	3.653000e-3
641	1.000000	1.050995	3.652000e-3
642	1.000000	1.055787	3.652000e-3
643	1.000000	1.064147	3.652000e-3
644	1.000000	1.059418	3.653000e-3
645	1.000000	1.047088	3.654000e-3
646	1.000000	1.051361	3.655000e-3
647	1.000000	1.048157	3.655000e-3
648	1.000000	1.041870	3.656000e-3
649	1.000000	1.028564	3.657000e-3
650	1.000000	1.008605	3.659000e-3
651	1.000000	1.027068	3.661000e-3
652	0.500000	1.015993	3.663000e-3
653	0.500000	1.019745	3.664000e-3
654	0.500000	1.009947	3.663000e-3
655	0.000000	1.052676	3.661000e-3
656	0.000000	1.024139	3.660000e-3
657	0.000000	1.027160	3.660000e-3
658	0.000000	1.038481	3.659000e-3
659	0.000000	1.020477	3.660000e-3
660	0.000000	1.009427	3.660000e-3

	1-time	2-Imag(A)	3-x-position(um)	4-sigx-position(um)	5-y-position(um)	6-sigy-position(um)
661	08:55:19	133.303000	9.650000	0.030000	10.880000	0.050000
662	09:01:08	133.303000	9.780000	0.110000	10.700000	0.110000
663	09:06:58	133.303000	9.790000	0.040000	10.640000	0.040000
664	09:12:47	133.302000	9.660000	0.030000	10.930000	0.050000
665	09:18:37	133.303000	9.750000	0.040000	11.040000	0.040000
666	09:24:26	133.303000	9.720000	0.070000	10.860000	0.040000
667	09:30:15	133.303000	9.810000	0.070000	11.020000	0.050000
668	09:36:04	133.304000	9.660000	0.070000	10.800000	0.050000
669	09:41:54	133.303000	9.650000	0.050000	10.810000	0.130000
670	09:47:43	133.302000	9.650000	0.080000	10.840000	0.060000
671	09:53:32	133.303000	9.620000	0.050000	10.900000	0.050000
672	09:59:20	133.303000	9.660000	0.060000	10.880000	0.050000
673	10:05:09	133.303000	9.620000	0.060000	10.990000	0.040000
674	10:10:58	133.303000	9.770000	0.110000	10.760000	0.040000
675	10:16:46	133.303000	9.670000	0.020000	10.910000	0.110000
676	10:22:35	133.303000	9.680000	0.050000	10.840000	0.040000

	7-Ambient (C)	8-Coil (C)	9-WaterIN(C)	-Coil Drive Asmbly	MagSteel(near pole	2-HeidenhainR(um
661	22.532989	23.802979	22.780915	23.245361	23.360748	0.500000
662	22.535431	23.864989	22.835145	23.249848	23.382507	0.500000
663	22.479157	23.919342	22.880249	23.251527	23.415344	0.500000
664	22.565245	23.916290	22.865417	23.254884	23.432860	0.500000
665	22.528686	23.850740	22.782013	23.258576	23.426271	0.500000
666	22.533569	23.782654	22.739746	23.258241	23.408570	0.500000
667	22.532744	23.758330	22.734711	23.259003	23.403105	0.500000
668	22.446532	23.769805	22.740875	23.259950	23.404419	0.500000
669	22.525177	23.799012	22.757079	23.260315	23.404847	0.500000
670	22.471680	23.835206	22.797394	23.262724	23.417937	0.500000
671	22.456390	23.864440	22.846801	23.264496	23.432680	0.500000
672	22.500274	23.933043	22.899107	23.265381	23.462188	0.500000
673	22.475981	23.967986	22.934418	23.265198	23.488222	0.500000
674	22.496123	23.943359	22.885774	23.267517	23.489655	0.500000
675	22.553925	23.851045	22.811311	23.270173	23.474242	0.500000
676	22.537505	23.814607	22.774628	23.270965	23.461640	0.500000

	3-HeidenhainL(um)	14-coil-H20in(C)	ltage across termin
661	0.000000	1.022064	3.661000e-3
662	0.000000	1.029844	3.661000e-3
663	0.000000	1.039093	3.661000e-3
664	0.000000	1.050873	3.661000e-3
665	0.000000	1.068727	3.660000e-3
666	0.000000	1.042908	3.660000e-3
667	0.000000	1.023619	3.660000e-3
668	0.000000	1.028930	3.660000e-3
669	0.000000	1.041933	3.660000e-3
670	0.000000	1.037812	3.661000e-3
671	0.000000	1.017639	3.661000e-3
672	0.000000	1.033936	3.662000e-3
673	0.000000	1.033568	3.662000e-3
674	0.000000	1.057585	3.661000e-3
675	0.000000	1.039734	3.661000e-3
676	0.000000	1.039979	3.660000e-3