



Particle Sizing Systems

Santa Barbara, California U.S.A.

Title: ID: 3763
 Recipe: Polystyrene - Summation
 Database: PV201801.edb

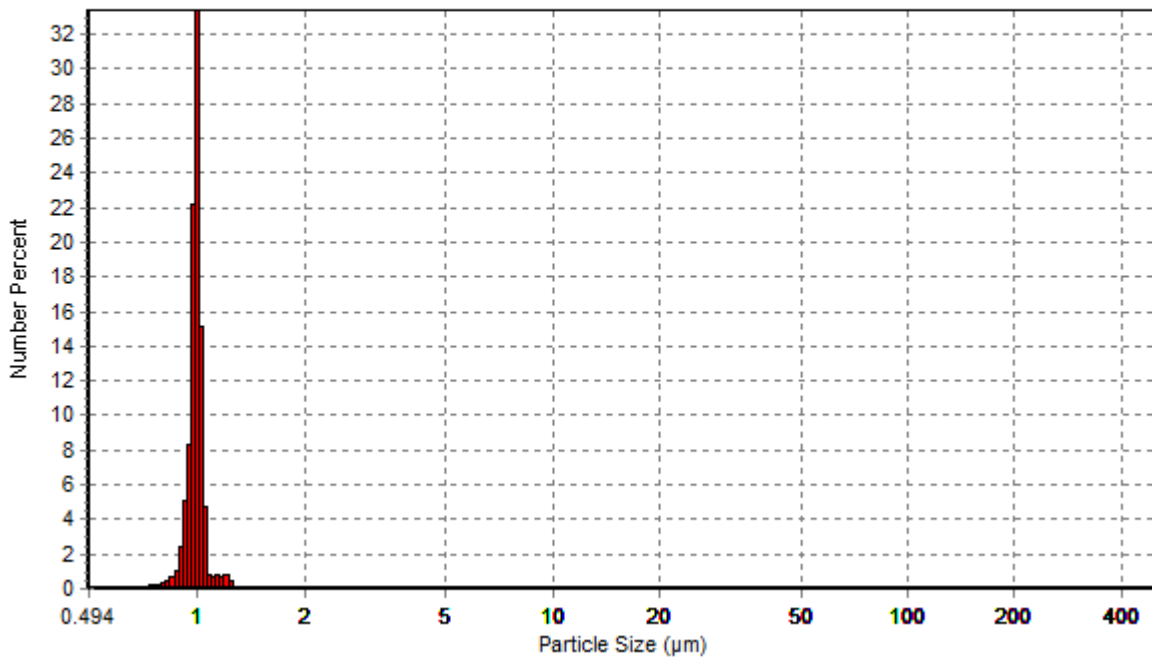
User: Katie Hallenbeck
 Run Date/Time: Jan-12-2018, 10:18:08 am
 Report Date/Time: 5/3/2018, 4:42:08 PM
 Report ID: 2

Model number: 780 AD
 Sensor S/N: 0203907
 Calibration date: 08-29-17
 Sensor mode: Summation

Comment: ID: 3763; 0.994 μm +/- 0.015; PARTICLE TECHNOLOGY LABS; 0.5 μm ; KLH; AA100.03; PV201801

Mean: 0.983 μm Skewness: -0.688 μm Range: 0.500-500.000 μm Dilution Factor: 112.760
 Mode: 0.995 μm Kurtosis: 24.523 μm Threshold: 0.500 μm Particle Concentration: 2.22E+010 #/ml
 Median: 0.995 μm Fluid Volume: 60.000 ml Channels: 256 Mass Fraction: - %
 Standard Deviation: 0.070 μm Sample Time: 60 sec Total Particles: 196591 Volume Fraction: - %

ID: 3763
Number-Weighted
Differential Distribution



Percentiles	
5	0.887
10	0.924
20	0.949
30	0.975
40	0.988
50	1.002
60	1.015
70	1.029
80	1.043
90	1.057
95	1.072
100	3.758

Diameter	Count	Cum # >= Dia.	Num %	Area %	Vol %	Num % <= Dia.	Vol % <= Dia.	Abs Vol
0.507	39	39	0.020	0.005	0.003	0.020	0.003	2.66E-012
0.521	133	172	0.068	0.019	0.010	0.087	0.013	9.83E-012
0.535	103	275	0.052	0.015	0.008	0.140	0.021	8.25E-012
0.550	115	390	0.058	0.018	0.010	0.198	0.031	9.99E-012
0.565	114	504	0.058	0.019	0.011	0.256	0.042	1.07E-011
0.580	128	632	0.065	0.023	0.013	0.321	0.055	1.31E-011
0.596	162	794	0.082	0.030	0.018	0.404	0.073	1.79E-011
0.612	140	934	0.071	0.027	0.017	0.475	0.090	1.68E-011
0.629	146	1080	0.074	0.030	0.019	0.549	0.109	1.90E-011
0.646	202	1282	0.103	0.044	0.029	0.652	0.138	2.85E-011
0.664	198	1480	0.101	0.046	0.031	0.753	0.169	3.03E-011
0.682	184	1664	0.094	0.045	0.031	0.846	0.199	3.06E-011
0.701	225	1889	0.114	0.058	0.041	0.961	0.240	4.05E-011



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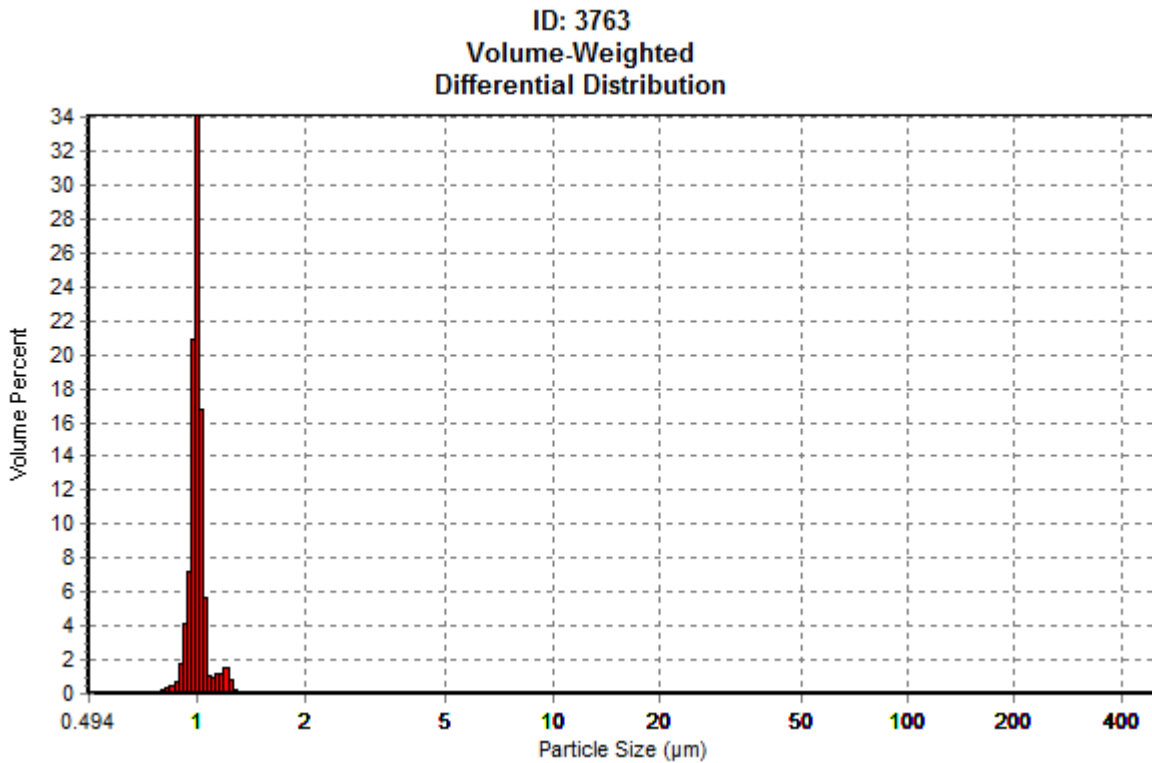
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Model number: 780 AD
 Sensor S/N: 0203907
 Calibration date: 08-29-17
 Sensor mode: Summation

Comment: ID: 3763; 0.994 μm +/- 0.015; PARTICLE TECHNOLOGY LABS; 0.5 μm ; KLH; AA100.03; PV201801

Mean: 0.997 μm	Skewness: 11.601 μm	Range: 0.500-500.000 μm	Dilution Factor: 112.760
Mode: 0.995 μm	Kurtosis: 362.622 μm	Threshold: 0.500 μm	Particle Concentration: 2.22E+010 #/ml
Median: 0.995 μm	Fluid Volume: 60.000 ml	Channels: 256	Mass Fraction: - %
Standard Deviation: 0.082 μm	Sample Time: 60 sec	Total Particles: 196591	Volume Fraction: - %



Percentiles	
5	0.911
10	0.949
20	0.962
30	0.975
40	0.988
50	1.002
60	1.015
70	1.029
80	1.043
90	1.057
95	1.131
100	3.758

Diameter	Count	Cum # >= Dia.	Num %	Area %	Vol %	Num % <= Dia.	Vol % <= Dia.	Abs Vol
0.507	39	39	0.020	0.005	0.003	0.020	0.003	2.66E-012
0.521	133	172	0.068	0.019	0.010	0.087	0.013	9.83E-012
0.535	103	275	0.052	0.015	0.008	0.140	0.021	8.25E-012
0.550	115	390	0.058	0.018	0.010	0.198	0.031	9.99E-012
0.565	114	504	0.058	0.019	0.011	0.256	0.042	1.07E-011
0.580	128	632	0.065	0.023	0.013	0.321	0.055	1.31E-011
0.596	162	794	0.082	0.030	0.018	0.404	0.073	1.79E-011
0.612	140	934	0.071	0.027	0.017	0.475	0.090	1.68E-011
0.629	146	1080	0.074	0.030	0.019	0.549	0.109	1.90E-011
0.646	202	1282	0.103	0.044	0.029	0.652	0.138	2.85E-011
0.664	198	1480	0.101	0.046	0.031	0.753	0.169	3.03E-011
0.682	184	1664	0.094	0.045	0.031	0.846	0.199	3.06E-011
0.701	225	1889	0.114	0.058	0.041	0.961	0.240	4.05E-011

0.720	201	2090	0.102	0.055	0.040	1.063	0.280	3.92E-011
0.739	376	2466	0.191	0.108	0.080	1.254	0.360	7.96E-011
0.760	499	2965	0.254	0.151	0.115	1.508	0.476	1.15E-010
0.780	402	3367	0.204	0.128	0.101	1.713	0.576	1.00E-010
0.802	705	4072	0.359	0.237	0.192	2.071	0.768	1.90E-010
0.824	1001	5073	0.509	0.356	0.295	2.580	1.064	2.93E-010
0.846	1417	6490	0.721	0.532	0.453	3.301	1.517	4.50E-010
0.869	2004	8494	1.019	0.794	0.695	4.321	2.212	6.89E-010
0.893	4754	13248	2.418	1.987	1.788	6.739	4.000	1.77E-009
0.918	10101	23349	5.138	4.456	4.120	11.877	8.120	4.09E-009
0.943	16278	39627	8.280	7.579	7.199	20.157	15.320	7.14E-009
0.968	43628	83255	22.192	21.440	20.922	42.349	36.242	2.07E-008
0.995	65655	148910	33.397	34.054	34.140	75.746	70.382	3.39E-008
1.022	29659	178569	15.087	16.237	16.723	90.833	87.105	1.66E-008
1.050	9304	187873	4.733	5.376	5.688	95.565	92.793	5.64E-009
1.079	1677	189550	0.853	1.023	1.112	96.418	93.905	1.10E-009
1.108	1274	190824	0.648	0.820	0.916	97.066	94.821	9.08E-010
1.139	1510	192334	0.768	1.026	1.177	97.835	95.998	1.17E-009
1.170	1378	193712	0.701	0.988	1.165	98.536	97.162	1.15E-009
1.202	1648	195360	0.838	1.247	1.510	99.374	98.673	1.50E-009
1.235	858	196218	0.436	0.685	0.853	99.810	99.525	8.46E-010
1.268	212	196430	0.108	0.179	0.228	99.918	99.754	2.27E-010
1.303	57	196487	0.029	0.051	0.067	99.947	99.820	6.60E-011
1.339	45	196532	0.023	0.042	0.057	99.970	99.877	5.65E-011
1.375	32	196564	0.016	0.032	0.044	99.986	99.921	4.36E-011
1.413	18	196582	0.009	0.019	0.027	99.995	99.948	2.66E-011
1.452	4	196586	0.002	0.004	0.006	99.997	99.954	6.41E-012
1.491	0	196586	0.000	0.000	0.000	99.997	99.954	0.00E+000
1.532	0	196586	0.000	0.000	0.000	99.997	99.954	0.00E+000
1.574	2	196588	0.001	0.003	0.004	99.998	99.959	4.08E-012
1.617	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.661	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.707	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.753	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.801	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.851	0	196588	0.000	0.000	0.000	99.998	99.959	0.00E+000
1.901	1	196589	0.001	0.002	0.004	99.999	99.962	3.60E-012
1.953	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.007	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.062	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.118	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.176	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.235	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.297	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.359	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.424	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.490	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.558	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.628	0	196589	0.000	0.000	0.000	99.999	99.962	0.00E+000
2.700	1	196590	0.001	0.004	0.010	99.999	99.973	1.03E-011
2.774	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
2.850	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
2.928	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.008	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.090	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.175	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.262	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.351	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.442	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.537	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000

3.633	0	196590	0.000	0.000	0.000	99.999	99.973	0.00E+000
3.733	1	196591	0.001	0.007	0.027	100.000	100.000	2.72E-011
3.835	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
3.940	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.047	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.158	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.272	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.389	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.509	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.632	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.759	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
4.889	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.023	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.160	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.301	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.446	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.595	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.748	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
5.905	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.067	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.233	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.403	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.578	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.758	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
6.943	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
7.133	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
7.328	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
7.528	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
7.734	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
7.946	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
8.163	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
8.386	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
8.616	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
8.852	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
9.094	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
9.342	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
9.598	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
9.860	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
10.130	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
10.407	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
10.692	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
10.984	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
11.285	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
11.593	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
11.910	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
12.236	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
12.571	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
12.915	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
13.268	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
13.631	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
14.003	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
14.386	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
14.780	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
15.184	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
15.599	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
16.026	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
16.464	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
16.915	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
17.377	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
17.853	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000

92.587	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
95.119	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
97.720	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
100.393	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
103.139	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
105.960	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
108.858	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
111.835	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
114.894	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
118.037	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
121.265	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
124.582	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
127.989	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
131.490	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
135.086	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
138.781	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
142.577	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
146.476	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
150.482	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
154.598	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
158.827	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
163.171	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
167.633	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
172.218	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
176.929	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
181.768	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
186.739	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
191.847	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
197.094	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
202.485	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
208.023	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
213.712	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
219.557	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
225.562	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
231.732	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
238.070	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
244.581	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
251.271	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
258.143	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
265.204	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
272.457	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
279.909	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
287.565	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
295.430	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
303.510	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
311.811	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
320.340	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
329.101	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
338.102	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
347.350	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
356.850	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
366.610	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
376.637	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
386.938	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
397.522	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
408.394	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
419.564	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
431.039	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
442.829	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
454.940	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000

467.383	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
480.167	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
493.299	0	196591	0.000	0.000	0.000	100.000	100.000	0.00E+000
