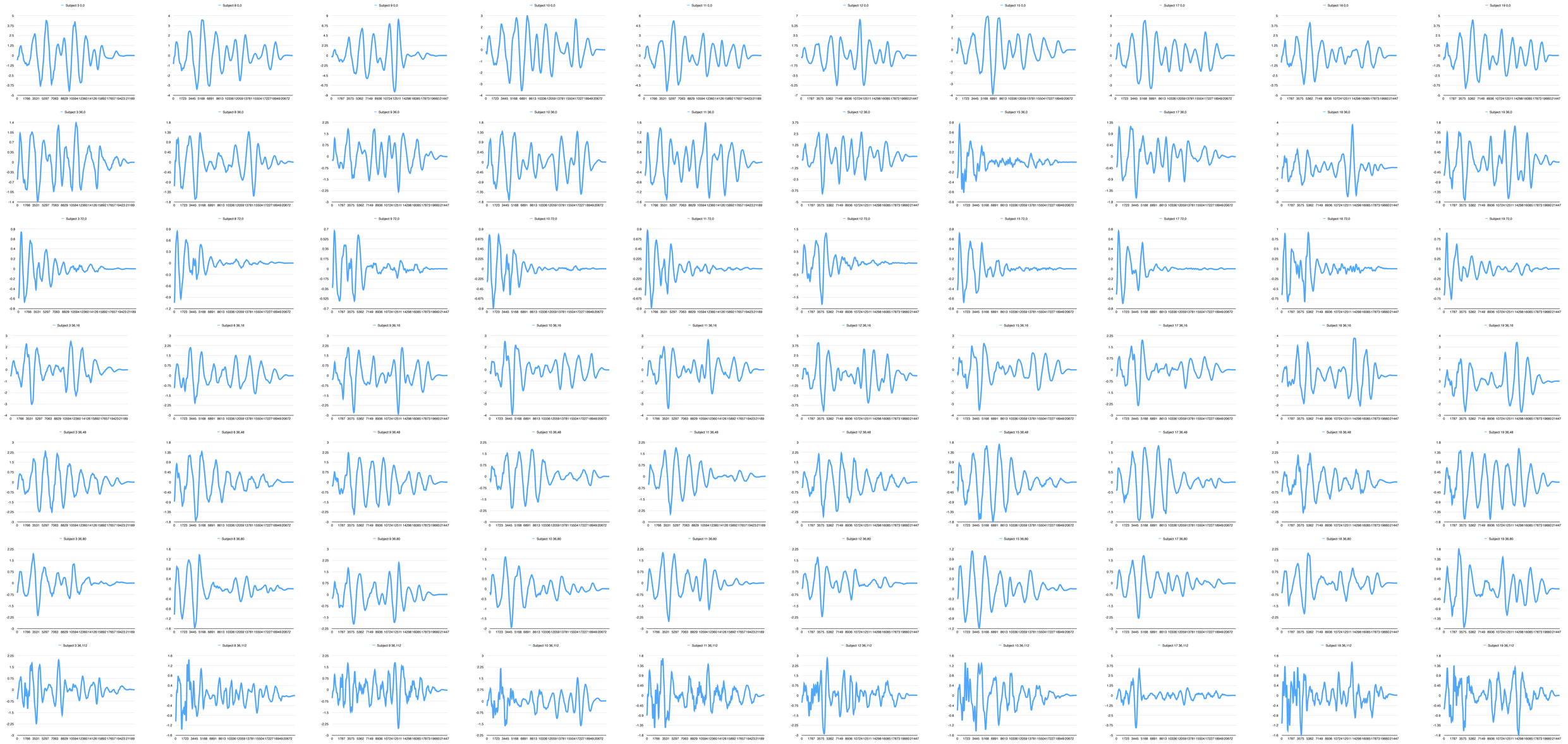
Subject 3 0,0
Subject 8 0,0
Subject 9 0,0
Subject 10 0,0
Subject 11 0,0
Subject 12 0,0
Subject 15 0,0
Subject 17 0,0
Subject 18 0,0
Subject 19 0,0
Subject 3 36,0
Subject 8 36,0
Subject 9 36,0
Subject 10 36,0
Subject 11 36,0
Subject 12 36,0
Subject 15 36,0
Subject 17 36,0
Subject 18 36,0
Subject 19 36,0
Subject 3 72,0
Subject 8 72,0
Subject 9 72,0
Subject 10 72,0
Subject 11 72,0
Subject 12 72,0
Subject 15 72,0
Subject 17 72,0
Subject 18 72,0
Subject 19 72,0
Subject 3 36,16
Subject 8 36,16
Subject 9 36,16
Subject 10 36,16
Subject 11 36,16
Subject 12 36,16
Subject 15 36,16
Subject 17 36,16
Subject 18 36,16
Subject 19 36,16
Subject 3 36,48
Subject 8 36,48
Subject 9 36,48
Subject 10 36,48
Subject 11 36,48
Subject 12 36,48
Subject 15 36,48
Subject 17 36,48
Subject 18 36,48
Subject 19 36,48
Subject 3 36,80
Subject 8 36,80
Subject 9 36,80
Subject 10 36,80
Subject 11 36,80
Subject 12 36,80
Subject 15 36,80
Subject 17 36,80
Subject 18 36,80
Subject 19 36,80
Subject 3 36,112
Subject 8 36,112
Subject 9 36,112
Subject 10 36,112
Subject 11 36,112
Subject 12 36,112
Subject 15 36,112
Subject 17 36,112
Subject 18 36,112
Subject 19 36,112

Subject 3 left FFT

		Subject 3 0,0	Subject 3 36,0	Subject 3 72,0	Subject 3 36,16	Subject 3 36,48	Subject 3 36,80	Subject 3 36,112
0	0	-0.588398	-0.614592	-0.591660	-0.580002	-0.542649	-0.638519	-0.620286
1	22	-0.570557	-0.599852	-0.586922	-0.571052	-0.536500	-0.624223	-0.606026
2	43	-0.520280	-0.557765	-0.572493	-0.544790	-0.517935	-0.583036	-0.565312
3	65	-0.446577	-0.494301	-0.547794	-0.502886	-0.486686	-0.519757	-0.503891
4	86	-0.362223	-0.418095	-0.512075	-0.447854	-0.442589	-0.441420	-0.429947
5	108	-0.280933	-0.338743	-0.464684	-0.382697	-0.385899	-0.356052	-0.352356
6	129	-0.214360	-0.264943	-0.405366	-0.310512	-0.317595	-0.271285	-0.278838
7	151	-0.169591	-0.202834	-0.334511	-0.234131	-0.239550	-0.193107	-0.214440
8	172	-0.147693	-0.154879	-0.253315	-0.155857	-0.154512	-0.124963	-0.160687
9	194	-0.143621	-0.119499	-0.163794	-0.077334	-0.065867	-0.067399	-0.115587
10	215	-0.147458	-0.091533	-0.068656	0.000434	0.022779	-0.018271	-0.074467
11	237	-0.146699	-0.063400	0.028955	0.076951	0.108086	0.026530	-0.031414
12	258	-0.129022	-0.026731	0.125802	0.152010	0.187453	0.071997	0.019026
13	280	-0.084942	0.025864	0.218910	0.225466	0.259318	0.122818	0.080323
14	301	-0.009754	0.099244	0.305885	0.297047	0.323244	0.182294	0.152967
15	323	0.095610	0.194704	0.385118	0.366247	0.379743	0.251600	0.234248
16	345	0.224941	0.309617	0.455841	0.432324	0.429889	0.329500	0.318843
17	366	0.368185	0.437830	0.518038	0.494386	0.474817	0.412578	0.400068
18	388	0.513567	0.570678	0.572209	0.551533	0.515251	0.495883	0.471480
19	409	0.649909	0.698412	0.619056	0.603015	0.551183	0.573884	0.528420
20	431	0.768628	0.811755	0.659142	0.648351	0.581798	0.641487	0.569133
21	452	0.865015	0.903292	0.692605	0.687365	0.605686	0.694950	0.595173
22	474	0.938583	0.968454	0.718981	0.720142	0.621285	0.732489	0.611006
23	495	0.992495	1.005947	0.737181	0.746894	0.627443	0.754497	0.622881
24	517	1.032276	1.017600	0.745638	0.767778	0.623953	0.763331	0.637268
25	538	1.064162	1.007703	0.742586	0.782719	0.611885	0.762745	0.659194
26	560	1.093472	0.982012	0.726434	0.791281	0.593613	0.757089	0.690909
27	581	1.123353	0.946617	0.696160	0.792639	0.572488	0.750444	0.731165
28	603	1.154127	0.906901	0.651644	0.785681	0.552197	0.745859	0.775288
29	624	1.183331	0.866759	0.593869	0.769222	0.535957	0.744835	0.816020
30	646	1.206372	0.828181	0.524954	0.742307	0.525718	0.747133	0.844930
31	668	1.217613	0.791242	0.447985	0.704543	0.521593	0.750927	0.854060
32	689	1.211630	0.754432	0.366680	0.656388	0.521683	0.753251	0.837463
33	711	1.184394	0.715247	0.284929	0.599328	0.522366	0.750633	0.792261
34	732	1.134141	0.670880	0.206287	0.535882	0.519041	0.739789	0.719049
35	754	1.061816	0.618903	0.133515	0.469416	0.507176	0.718243	0.621585
36	775	0.971030	0.557792	0.068226	0.403773	0.483438	0.684750	0.505881
37	797	0.867574	0.487243	0.010730	0.342759	0.446645	0.639471	0.378958
38	818	0.758598	0.408229	-0.039926	0.289576	0.398288	0.583862	0.247571
39	840	0.651585	0.322825	-0.085702	0.246295	0.342483	0.520340	0.117200
40	861	0.553297	0.233840	-0.129153	0.213459	0.285312	0.451783	-0.008496
41	883	0.468822	0.144353	-0.172926	0.189919	0.233656	0.380995	-0.127686
42	904	0.400871	0.057217	-0.219245	0.172930	0.193767	0.310221	-0.239932
43	926	0.349413	-0.025353	-0.269482	0.158540	0.169866	0.240826	-0.345496
44	947	0.311702	-0.102063	-0.323879	0.142202	0.163103	0.173182	-0.444648
45	969	0.282711	-0.172640	-0.381472	0.119540	0.171099	0.106790	-0.537187
46	991	0.255921	-0.237722	-0.440216	0.087136	0.188230	0.040581	-0.622339
47	1012	0.224366	-0.298587	-0.497301	0.043211	0.206589	-0.026646	-0.699028
48	1034	0.181780	-0.356745	-0.549598	-0.011936	0.217455	-0.095779	-0.766404
49	1055	0.123675	-0.413480	-0.594149	-0.075812	0.212964	-0.167014	-0.824419
50	1077	0.048158	-0.469444	-0.628627	-0.143989	0.187624	-0.239646	-0.874188
51	1098	-0.043670	-0.524359	-0.651693	-0.210714	0.139343	-0.312065	-0.917946
52	1120	-0.147819	-0.576933	-0.663183	-0.269779	0.069767	-0.381975	-0.958499
53	1141	-0.258034	-0.624992	-0.664100	-0.315525	-0.016160	-0.446785	-0.998241
54	1163	-0.366838	-0.665848	-0.656437	-0.343805	-0.111293	-0.504104	-1.037958
55	1184	-0.466830	-0.696822	-0.642835	-0.352744	-0.207793	-0.552215	-1.075742
56	1206	-0.551980	-0.715854	-0.626176	-0.343150	-0.298698	-0.590448	-1.106387
57	1227	-0.618685	-0.722062	-0.609145	-0.318496	-0.379212	-0.619350	-1.121544
58	1249	-0.666363	-0.716134	-0.593866	-0.284465	-0.447421	-0.640618	-1.110785
59	1270	-0.697475	-0.700455	-0.581651	-0.248115	-0.504300	-0.656791	-1.063498
60	1292	-0.716938	-0.678927	-0.572896	-0.216816	-0.553029	-0.670771	-0.971301
61	1314	-0.731072	-0.656470	-0.567142	-0.197127	-0.597821	-0.685259	-0.830518
62	1335	-0.746271	-0.638299	-0.563273	-0.193819	-0.642555	-0.702235	-0.644138
63	1357	-0.767686	-0.629090	-0.559798	-0.209204	-0.689561	-0.722578	-0.422749
64	1378	-0.798179	-0.632204	-0.555175	-0.242892	-0.738871	-0.745929	-0.184088
65	1400	-0.837782	-0.649102	-0.548108	-0.292001	-0.788108	-0.770810	0.048892
66	1421	-0.883752	-0.679096	-0.537761	-0.351782	-0.833055	-0.794990	0.251217
67	1443	-0.931217	-0.719482	-0.523862	-0.416514	-0.868741	-0.816012	0.399851
68	1464	-0.974281	-0.766029	-0.506680	-0.480519	-0.890777	-0.831763	0.477704
69	1486	-1.007329	-0.813753	-0.486903	-0.539074	-0.896607	-0.840973	0.476913
70	1507	-1.026288	-0.857798	-0.465422	-0.589090	-0.886335	-0.843517	0.400713
71	1529	-1.029567	-0.894280	-0.443103	-0.629417	-0.862930	-0.840454	0.263420
72	1550	-1.018481	-0.920897	-0.420564	-0.660771	-0.831721	-0.833813	0.088439
73	1572	-0.997099	-0.937214	-0.398036	-0.685317	-0.799309	-0.826140	-0.095458
74	1593	-0.971525	-0.944568	-0.375302	-0.706035	-0.772142	-0.819943	-0.258952
75	1615	-0.948787	-0.945616	-0.351748	-0.726019	-0.755095	-0.817142	-0.377253
76	1637	-0.935534	-0.943659	-0.326508	-0.747876	-0.750405	-0.818664	-0.434486
77	1658	-0.936816	-0.941867	-0.298667	-0.773337	-0.757218	-0.824259	-0.426570
78	1680	-0.955161	-0.942590	-0.267477	-0.803152	-0.771857	-0.832598	-0.362002
79	1701	-0.990120	-0.946885	-0.232553	-0.837253	-0.788763	-0.841614	-0.260369
80	1723	-1.038363	-0.954355	-0.193994	-0.875106	-0.801868	-0.849007	-0.148817
81	1744	-1.094274	-0.963294	-0.152406	-0.916127	-0.806075	-0.852791	-0.057084
82	1766	-1.150936	-0.971101	-0.108824	-0.960030	-0.798495	-0.851753	-0.012005
83	1787	-1.201323	-0.974845	-0.064544	-1.006983	-0.779129	-0.845708	-0.032479
84	1809	-1.239458	-0.971829	-0.020895	-1.057529	-0.750844	-0.835497	-0.125808
85	1830	-1.261371	-0.960058	0.020997	-1.112271	-0.718650	-0.822719	-0.286110
86	1852	-1.265666	-0.938486	0.060423	-1.171401	-0.688464	-0.809276	-0.495081
87	1873	-1.253646	-0.907035	0.097208	-1.234216	-0.665664	-0.796833	-0.724982
88	1895	-1.228969	-0.866401	0.131744	-1.298752	-0.653786	-0.786331	-0.943339
89	1916	-1.196932	-0.817729	0.164893	-1.361668	-0.653695	-0.777678	-1.118488
90	1938	-1.163512	-0.762252	0.197799	-1.418451	-0.663405	-0.769695	-1.225008
91	1960	-1.134333	-0.701006	0.231631	-1.463939	-0.678606	-0.760336	-1.248053
92	1981	-1.113746	-0.634675	0.267306	-1.493063	-0.693738	-0.747128	-1.185836
93	2003	-1.104159	-0.563607	0.305250	-1.501674	-0.703342	-0.727734	-1.049828
94	2024	-1.105717	-0.487963	0.345240	-1.487268	-0.703350	-0.700497	-0.862654
95	2046	-1.116377	-0.407941	0.386355	-1.449446	-0.691983	-0.664836	-0.654059
96	2067	-1.132336	-0.323996	0.427069	-1.389992	-0.670041	-0.621391	-0.455677
97	2089	-1.148726	-0.236970	0.465453	-1.312539	-0.640521	-0.571890	-0.295509
98	2110	-1.160439	-0.148094	0.499466	-1.221884	-0.607662	-0.518754	-0.193094
99	2132	-1.162954	-0.058844	0.527284	-1.123093	-0.575683	-0.464543	-0.156195
100	2153	-1.153002	0.029295	0.547605	-1.020592	-0.547531	-0.411373	-0.179576
101	2175	-1.128993	0.115104	0.559875	-0.917435	-0.523971	-0.360445	-0.246058
102	2196	-1.091139	0.197847	0.564401	-0.814931	-0.503261	-0.311808	-0.329657
103	2218	-1.041276	0.277366	0.562313	-0.712682	-0.481488	-0.264398	-0.400240
104	2239	-0.982445	0.354015	0.555389	-0.609050	-0.453499	-0.216366	-0.428883
105	2261	-0.918306	0.428437	0.545771	-0.501914	-0.414200	-0.165603	-0.392986
106	2283	-0.852516	0.501246	0.535614	-0.389546	-0.359874	-0.110337	-0.280266
107	2304	-0.788151	0.572682	0.526733	-0.271393	-0.289222	-0.049650	-0.090952
108	2326	-0.727272	0.642357	0.520306	-0.148556	-0.203843	0.016201	0.162195
109	2347	-0.670669	0.709147	0.516692	-0.023849	-0.108034	0.085767	0.456000
110	2369	-0.617812	0.771298	0.515385	0.098589	-0.007971	0.156687	0.760759
111	2390	-0.566979	0.826713	0.515122	0.214077	0.089546	0.226213	1.045168
112	2412	-0.515521	0.873382	0.514123	0.318374	0.178464	0.291865	1.281456
113	2433	-0.460221	0.909850	0.510414	0.408658	0.254646	0.352052	1.449807
114	2455	-0.397693	0.935605	0.502189	0.484267	0.316553	0.406511	1.541336
115	2476	-0.324772	0.951304	0.488126	0.547026	0.365298	0.456456	1.559124
116	2498	-0.238881	0.958763	0.467630	0.601059	0.404081	0.504377	1.517180
117	2519	-0.138342	0.960694	0.440930	0.652122	0.437173	0.553532	1.437575
118	2541	-0.022612	0.960268	0.409036	0.706571	0.468714	0.607229	1.346290
119	2562	0.107574	0.960554	0.373556	0.770177	0.501665	0.668057	1.268561
120	2584	0.250179	0.963983	0.336411	0.847045	0.537147	0.737232	1.224537
121	2606	0.401975	0.971937	0.299499	0.938851	0.574363	0.814222	1.226032
122	2627	0.558801	0.984552	0.264375	1.044562	0.611087	0.896732	1.274882
123	2649	0.715959	1.000772	0.232000	1.160698	0.644581	0.981079	1.363138
124	2670	0.868725	1.018631	0.202610	1.282068	0.672699	1.062885	1.474980
125	2692	1.012893	1.035713	0.175726	1.402837	0.694852	1.137956	1.589936
126	2713	1.145287	1.049659	0.150300	1.517659	0.712590	1.203158	1.686742
127	2735	1.264140	1.058646	0.124976	1.622668	0.729608	1.257115	1.747147
128	2756	1.369267	1.061704	0.098408	1.716082	0.751177	1.300564	1.758949
129	2778	1.461976	1.058842	0.069574	1.798313	0.783103	1.336282	1.717778
130	2799	1.544723	1.050946	0.038036	1.871548	0.830468	1.368595	1.627373
131	2821	1.620571	1.039497	0.004080	1.938899	0.896449	1.402526	1.498390
132	2842	1.692543	1.026170	-0.031285	2.003325	0.981481	1.442767	1.346065
133	2864	1.763013	1.012414	-0.066474	2.066542	1.082982	1.492648	1.187223
134	2885	1.833264	0.999102	-0.099589	2.128193	1.195670	1.553327	1.037230
135	2907	1.903305	0.986322	-0.128772	2.185465	1.312421	1.623338	0.907448
136	2929	1.972006	0.973352	-0.152552	2.233265	1.425446	1.698622	0.803607
137	2950	2.037511	0.958820	-0.170161	2.264940	1.527537	1.773032	0.725334
138	2972	2.097836	0.941007	-0.181720	2.273440	1.613117	1.839231	0.666814
139	2993	2.151507	0.918240	-0.188287	2.252700	1.678896	1.889842	0.618384
140	3015	2.198088	0.889284	-0.191737	2.198981	1.724037	1.918631	0.568675
141	3036	2.238441	0.853670	-0.194487	2.111917	1.749868	1.921512	0.506882
142	3058	2.274658	0.811878	-0.199120	1.995048	1.759262	1.897207	0.424732
143	3079	2.309664	0.765358	-0.207951	1.855721	1.755886	1.847419	0.317829
144	3101	2.346560	0.716368	-0.222617	1.704348	1.743497	1.776510	0.186193
145	3122	2.387865	0.667648	-0.243765	1.553128	1.725381	1.690721	0.033975
146	3144	2.434833	0.621994	-0.270886	1.414432	1.704357	1.597084	-0.131527
147	3165	2.487004	0.581778	-0.302225	1.299114	1.682254	1.502221	-0.301309
148	3187	2.542090	0.548503	-0.335155	1.215023	1.660515	1.411243	-0.466278
149	3208	2.596248	0.522473	-0.366316	1.165951	1.640069	1.326941	-0.618745
150	3230	2.644502	0.502609	-0.392153	1.151181	1.621380	1.249416	-0.753558
151	3252	2.682242	0.486493	-0.409378	1.165699	1.604311	1.176203	-0.868739
152	3273	2.704491	0.470607	-0.415421	1.201005	1.587854	1.102857	-0.965538
153	3295	2.707985	0.450767	-0.408776	1.246395	1.569847	1.023895	-1.047975
154	3316	2.690733	0.422688	-0.389213	1.290470	1.546807	0.933901	-1.121961
155	3338	2.652138	0.382592	-0.357796	1.322631	1.514034	0.828601	-1.194180
156	3359	2.592669	0.327764	-0.316745	1.334326	1.466059	0.705702	-1.270907
157	3381	2.513379	0.256972	-0.269132	1.319849	1.397420	0.565346	-1.356940
158	3402	2.415399	0.170655	-0.218489	1.276619	1.303661	0.410109	-1.454808
159	3424	2.299577	0.070866	-0.168359	1.204924	1.182350	0.245549	-1.564338
160	3445	2.166380	-0.039045	-0.121881	1.107223	1.033862	0.074404	-1.682643
161	3467	2.016074	-0.154943	-0.081443	0.987197	0.861722	-0.094396	-1.804504
162	3488	1.849154	-0.272524	-0.048465	0.848729	0.672351	-0.256721	-1.923098
163	3510	1.666854	-0.387930	-0.023324	0.695041	0.474219	-0.409036	-2.030856
164	3531	1.471615	-0.498235	-0.005418	0.528134	0.276537	-0.549868	-2.120569
165	3553	1.267302	-0.601724	0.006632	0.348629	0.087728	-0.679857	-2.186144
166	3575	1.059089	-0.697914	0.014703	0.156012	-0.085983	-0.801404	-2.223300
167	3596	0.852968	-0.787317	0.020841	-0.050801	-0.241569	-0.917997	-2.229854
168	3618	0.654866	-0.871032	0.026938	-0.272715	-0.379543	-1.033361	-2.205621
169	3639	0.470213	-0.950229	0.034465	-0.509706	-0.503571	-1.150598	-2.151987
170	3661	0.302073	-1.025678	0.044280	-0.760240	-0.619427	-1.271488	-2.071219
171	3682	0.151545	-1.097418	0.056540	-1.020978	-0.733536	-1.396062	-1.965715
172	3704	0.017079	-1.164628	0.070718	-1.286849	-0.851419	-1.522535	-1.837337
173	3725	-0.105126	-1.225748	0.085710	-1.551445	-0.976411	-1.647553	-1.687027
174	3747	-0.220390	-1.278788	0.100016	-1.807690	-1.108921	-1.766725	-1.514791
175	3768	-0.334510	-1.321756	0.111953	-2.048612	-1.246401	-1.875283	-1.320099
176	3790	-0.452651	-1.353099	0.119886	-2.268094	-1.384000	-1.968770	-1.102603
177	3811	-0.578363	-1.372038	0.122434	-2.461454	-1.515734	-2.043604	-0.863038
178	3833	-0.712946	-1.378723	0.118634	-2.625786	-1.635853	-2.097461	-0.604059
179	3854	-0.855272	-1.374179	0.108047	-2.760006	-1.740103	-2.129420	-0.330795
180	3876	-1.002102	-1.360063	0.090800	-2.864678	-1.826550	-2.139899	-0.050957
181	3898	-1.148802	-1.338311	0.067564	-2.941664	-1.895815	-2.130428	0.225759
182	3919	-1.290324	-1.310758	0.039482	-2.993728	-1.950681	-2.103345	0.488497
183	3941	-1.422245	-1.278855	0.008043	-3.024168	-1.995217	-2.061487	0.726854
184	3962	-1.541664	-1.243536	-0.025057	-3.036545	-2.033666	-2.007923	0.932323
185	3984	-1.647808	-1.205278	-0.058079	-3.034510	-2.069401	-1.945782	1.099655
186	4005	-1.742256	-1.164302	-0.089394	-3.021693	-2.104224	-1.878019	1.227720
187	4027	-1.828763	-1.120869	-0.117621	-3.001580	-2.138157	-1.807513	1.319654
188	4048	-1.912729	-1.075546	-0.141746	-2.977321	-2.169758	-1.736739	1.382237
189	4070	-2.000434	-1.029347	-0.161187	-2.951408	-2.196823	-1.667715	1.424561
190	4091	-2.098130	-0.983702	-0.175834	-2.925281	-2.217252	-1.601774	1.456246
191	4113	-2.211139	-0.940218	-0.186029	-2.898653	-2.229794	-1.539345	1.485538
192	4134	-2.343048	-0.900294	-0.192505	-2.869509	-2.234438	-1.479782	1.517682
193	4156	-2.495080	-0.864687	-0.196248	-2.833542	-2.232338	-1.421307	1.553899
194	4177	-2.665708	-0.833154	-0.198543	-2.784536	-2.225279	-1.361124	1.591195
195	4199	-2.850551	-0.804278	-0.200457	-2.714955	-2.214853	-1.295757	1.623045
196	4221	-3.042576	-0.775567	-0.203046	-2.616976	-2.201609	-1.221568	1.640821
197	4242	-3.232623	-0.743828	-0.207032	-2.483829	-2.184452	-1.135431	1.635661
198	4264	-3.410226	-0.705755	-0.212741	-2.311191	-2.160527	-1.035302	1.600402
199	4285	-3.564698	-0.658619	-0.220048	-2.098397	-2.125667	-0.920950	1.530526
200	4307	-3.686368	-0.600892	-0.228380	-1.849152	-2.075358	-0.794137	1.428267
201	4328	-3.767841	-0.532660	-0.236791	-1.571558	-2.005966	-0.658523	1.296263
202	4350	-3.805081	-0.455705	-0.244080	-1.277354	-1.915925	-0.519390	1.143157
203	4371	-3.798151	-0.373235	-0.248961	-0.980435	-1.806524	-0.382835	0.978922
204	4393	-3.751413	-0.289296	-0.250237	-0.694879	-1.682036	-0.254848	0.813676
205	4414	-3.673096	-0.207983	-0.246982	-0.432823	-1.549083	-0.140557	0.656517
206	4436	-3.574227	-0.132645	-0.238673	-0.202602	-1.415322	-0.042415	0.511155
207	4457	-3.467028	-0.065243	-0.225273	-0.007516	-1.287740	0.038265	0.381282
208	4479	-3.363024	-0.006013	-0.207253	0.154489	-1.170970	0.103360	0.264693
209	4500	-3.271158	0.046480	-0.185509	0.290158	-1.066056	0.156517	0.157194
210	4522	-3.196276	0.094918	-0.161252	0.409371	-0.970026	0.202571	0.053412
211	4543	-3.138274	0.142542	-0.135823	0.523010	-0.876443	0.246527	-0.051614
212	4565	-3.092120	0.192341	-0.110500	0.640675	-0.776857	0.292542	-0.161019
213	4587	-3.048791	0.246325	-0.086313	0.768723	-0.662881	0.343103	-0.275182
214	4608	-2.996991	0.305039	-0.063897	0.909031	-0.528382	0.398581	-0.391485
215	4630	-2.925355	0.367423	-0.043419	1.058753	-0.371281	0.457261	-0.504779
216	4651	-2.824727	0.431053	-0.024573	1.210993	-0.194488	0.515832	-0.608437
217	4673	-2.690060	0.492679	-0.006658	1.356938	-0.005679	0.570237	-0.695735
218	4694	-2.521548	0.548945	0.011276	1.486961	0.184067	0.616696	-0.761244
219	4716	-2.324733	0.597106	0.030244	1.593722	0.362514	0.652661	-0.801926
220	4737	-2.109541	0.635586	0.051131	1.673310	0.518906	0.677502	-0.817691
221	4759	-1.888382	0.664247	0.074513	1.726136	0.646364	0.692765	-0.811325
222	4780	-1.673699	0.684317	0.100542	1.756730	0.743476	0.701922	-0.787821
223	4802	-1.475425	0.698030	0.128895	1.772575	0.814676	0.709685	-0.753281
224	4823	-1.298867	0.708042	0.158806	1.782289	0.869276	0.721009	-0.713672
225	4845	-1.143470	0.716812	0.189175	1.793557	0.919368	0.740021	-0.673686
226	4867	-1.002725	0.726059	0.218736	1.811324	0.977040	0.769094	-0.635974
227	4888	-0.865293	0.736438	0.246248	1.836672	1.051582	0.808297	-0.600895
228	4910	-0.717149	0.747496	0.270682	1.866830	1.147330	0.855325	-0.566800
229	4931	-0.544351	0.757887	0.291371	1.894990	1.262677	0.905945	-0.530767
230	4953	-0.335899	0.765793	0.308098	1.913904	1.390503	0.954867	-0.489581
231	4974	-0.086123	0.769419	0.321104	1.915900	1.519394	0.996844	-0.440729
232	4996	0.203897	0.767448	0.331015	1.895828	1.639018	1.027759	-0.383178
233	5017	0.526176	0.759345	0.338711	1.852265	1.737653	1.045471	-0.317769
234	5039	0.866996	0.745439	0.345149	1.788046	1.810095	1.050213	-0.247151
235	5060	1.205009	0.726787	0.351182	1.709782	1.856376	1.044466	-0.175302
236	5082	1.535236	0.704866	0.357397	1.626468	1.882283	1.032322	-0.106764
237	5103	1.830187	0.681172	0.364014	1.547507	1.897898	1.018489	-0.045781
238	5125	2.084491	0.656845	0.370848	1.480636	1.915005	1.007146	0.004450
239	5146	2.295506	0.632403	0.377350	1.430192	1.944025	1.000920	0.042270
240	5168	2.467784	0.607651	0.382715	1.396186	1.991209	1.000215	0.067672
241	5190	2.611928	0.581775	0.386040	1.374365	2.056819	1.003046	0.082066
242	5211	2.742249	0.553596	0.386490	1.357267	2.134765	1.005442	0.087768
243	5233	2.873701	0.521924	0.383462	1.336016	2.213829	1.002321	0.087352
244	5254	3.018703	0.485914	0.376694	1.302426	2.280228	0.988664	0.083051
245	5276	3.184499	0.445350	0.366317	1.250926	2.320910	0.960714	0.076345
246	5297	3.371603	0.400802	0.352829	1.179855	2.326784	0.916954	0.067819
247	5319	3.573653	0.353612	0.337006	1.091807	2.295103	0.858607	0.057325
248	5340	3.778715	0.305722	0.319755	0.992971	2.230362	0.789565	0.044356
249	5362	3.971748	0.259387	0.301954	0.891612	2.143473	0.715730	0.028538
250	5383	4.137732	0.216820	0.284283	0.796077	2.049341	0.643893	0.010064
251	5405	4.264766	0.179847	0.267109	0.712783	1.963408	0.580412	-0.010034
252	5426	4.346475	0.149625	0.250418	0.644693	1.897954	0.529937	-0.029887
253	5448	4.383190	0.126483	0.233820	0.590628	1.859060	0.494494	-0.047057
254	5469	4.381636	0.109894	0.216631	0.545587	1.844977	0.473106	-0.059019
255	5491	4.353184	0.098608	0.198004	0.501994	1.846332	0.462050	-0.063732
256	5513	4.311057	0.090891	0.177096	0.451579	1.848174	0.455697	-0.060143
257	5534	4.267101	0.084861	0.153234	0.387443	1.833414	0.447756	-0.048491
258	5556	4.228882	0.078850	0.126059	0.305810	1.786863	0.432647	-0.030316
259	5577	4.197762	0.071735	0.095614	0.207060	1.698939	0.406709	-0.008149
260	5599	4.168451	0.063182	0.062364	0.095784	1.568126	0.368984	0.015046
261	5620	4.130156	0.053748	0.027144	-0.020141	1.401607	0.321388	0.036560
262	5642	4.069128	0.044820	-0.008948	-0.131263	1.213864	0.268255	0.054583
263	5663	3.972041	0.038371	-0.044714	-0.228634	1.023549	0.215346	0.068636
264	5685	3.829449	0.036583	-0.079013	-0.305785	0.849344	0.168544	0.079693
265	5706	3.638507	0.041379	-0.110927	-0.360150	0.705752	0.132539	0.089924
266	5728	3.404298	0.053960	-0.139803	-0.393597	0.599825	0.109775	0.102131
267	5749	3.139397	0.074435	-0.165618	-0.411972	0.529589	0.099921	0.118992
268	5771	2.861692	0.101642	-0.188358	-0.423761	0.484558	0.099947	0.142302
269	5792	2.590898	0.133212	-0.208552	-0.438179	0.448231	0.104813	0.172393
270	5814	2.344491	0.165893	-0.226847	-0.463140	0.401975	0.108576	0.207897
271	5835	2.133976	0.196090	-0.243926	-0.503558	0.329415	0.105695	0.245910
272	5857	1.962320	0.220527	-0.260369	-0.560360	0.220269	0.092194	0.282550
273	5879	1.823182	0.236898	-0.276537	-0.630398	0.072753	0.066460	0.313776
274	5900	1.702157	0.244349	-0.292508	-0.707275	-0.106025	0.029466	0.336283
275	5922	1.579821	0.243692	-0.308067	-0.782842	-0.301758	-0.015596	0.348261
276	5943	1.435937	0.237256	-0.322754	-0.849022	-0.496305	-0.064187	0.349827
277	5965	1.253937	0.228394	-0.335956	-0.899521	-0.671922	-0.111582	0.343007
278	5986	1.024677	0.220734	-0.347025	-0.931057	-0.815354	-0.154026	0.331284
279	6008	0.748640	0.217326	-0.355402	-0.943837	-0.920785	-0.189618	0.318777
280	6029	0.436054	0.219883	-0.360718	-0.941223	-0.990985	-0.218709	0.309273
281	6051	0.104892	0.228296	-0.362855	-0.928694	-1.036366	-0.243712	0.305323
282	6072	-0.222857	0.240554	-0.361964	-0.912402	-1.072217	-0.268387	0.307634
283	6094	-0.525833	0.253118	-0.358424	-0.897668	-1.114799	-0.296777	0.314906
284	6115	-0.787864	0.261678	-0.352765	-0.887784	-1.177269	-0.332058	0.324169
285	6137	-1.001428	0.262135	-0.345559	-0.883405	-1.266434	-0.375592	0.331536
286	6158	-1.169252	0.251577	-0.337308	-0.882615	-1.381117	-0.426432	0.333201
287	6180	-1.303683	0.229022	-0.328345	-0.881651	-1.512550	-0.481410	0.326437
288	6202	-1.423940	0.195721	-0.318775	-0.876050	-1.646655	-0.535792	0.310336
289	6223	-1.551834	0.154841	-0.308456	-0.861921	-1.767659	-0.584364	0.286110
290	6245	-1.706873	0.111243	-0.297028	-0.837026	-1.862116	-0.622685	0.256877
291	6266	-1.901797	0.069414	-0.283996	-0.801394	-1.922335	-0.648198	0.226843
292	6288	-2.139512	0.033310	-0.268827	-0.757338	-1.948340	-0.660927	0.200450
293	6309	-2.412070	0.004865	-0.251071	-0.708884	-1.947865	-0.663575	0.181070
294	6331	-2.701921	-0.016459	-0.230467	-0.660776	-1.934371	-0.660977	0.170181
295	6352	-2.985165	-0.033636	-0.207013	-0.617317	-1.923558	-0.659021	0.166874
296	6374	-3.236110	-0.051443	-0.181004	-0.581336	-1.929253	-0.663272	0.167937
297	6395	-3.432189	-0.075365	-0.153015	-0.553552	-1.959690	-0.677631	0.168503
298	6417	-3.558201	-0.110265	-0.123837	-0.532473	-2.015137	-0.703335	0.163113
299	6438	-3.609039	-0.159173	-0.094381	-0.514854	-2.087483	-0.738549	0.146957
300	6460	-3.590349	-0.222449	-0.065561	-0.496589	-2.161939	-0.778662	0.116990
301	6481	-3.517073	-0.297571	-0.038181	-0.473814	-2.220462	-0.817232	0.072662
302	6503	-3.410217	-0.379586	-0.012837	-0.443930	-2.246093	-0.847384	0.016078
303	6525	-3.292576	-0.462151	0.010143	-0.406305	-2.227163	-0.863343	-0.048446
304	6546	-3.184333	-0.538899	0.030714	-0.362481	-2.160320	-0.861747	-0.115329
305	6568	-3.099432	-0.604839	0.049088	-0.315824	-2.051627	-0.842437	-0.178958
306	6589	-3.043439	-0.657409	0.065664	-0.270703	-1.915416	-0.808644	-0.234902
307	6611	-3.013276	-0.696960	0.080943	-0.231570	-1.771151	-0.766157	-0.280829
308	6632	-2.998752	-0.726572	0.095417	-0.201597	-1.639013	-0.722273	-0.316908
309	6654	-2.985511	-0.750943	0.109486	-0.182168	-1.535259	-0.684144	-0.345622
310	6675	-2.958675	-0.775533	0.123381	-0.172360	-1.468456	-0.657250	-0.371036
311	6697	-2.906378	-0.804668	0.137130	-0.169148	-1.437501	-0.644227	-0.397726
312	6718	-2.822438	-0.840582	0.150562	-0.168053	-1.431914	-0.643327	-0.429633
313	6740	-2.707640	-0.882722	0.163340	-0.164135	-1.434341	-0.653612	-0.469125
314	6761	-2.569405	-0.927808	0.175025	-0.153075	-1.424691	-0.665850	-0.516502
315	6783	-2.420013	-0.970586	0.185151	-0.132108	-1.384931	-0.673892	-0.570027
316	6804	-2.273816	-1.005093	0.193307	-0.100589	-1.303403	-0.671233	-0.626487
317	6826	-2.144078	-1.026122	0.199198	-0.060080	-1.177649	-0.653397	-0.682088
318	6848	-2.040155	-1.030521	0.202683	-0.013940	-1.015077	-0.618880	-0.733458
319	6869	-1.965593	-1.017995	0.203798	0.033465	-0.831326	-0.569302	-0.778483
320	6891	-1.917503	-0.991231	0.202732	0.077743	-0.646715	-0.509176	-0.816757
321	6912	-1.887300	-0.955277	0.199794	0.115419	-0.481622	-0.444681	-0.849534
322	6934	-1.862591	-0.916363	0.195363	0.144629	-0.351880	-0.382412	-0.879203
323	6955	-1.829740	-0.880428	0.189823	0.165416	-0.265255	-0.327978	-0.908447
324	6977	-1.776567	-0.851733	0.183527	0.179582	-0.219811	-0.284894	-0.939308
325	6998	-1.694599	-0.831879	0.176746	0.190149	-0.204491	-0.253974	-0.972422
326	7020	-1.580436	-0.819487	0.169658	0.200574	-0.201752	-0.233343	-1.006635
327	7041	-1.436014	-0.810586	0.162348	0.213907	-0.191573	-0.219011	-1.039111
328	7063	-1.267782	-0.799610	0.154819	0.232101	-0.155889	-0.205857	-1.065895
329	7084	-1.085049	-0.780746	0.147024	0.255605	-0.082416	-0.188780	-1.082789
330	7106	-0.897913	-0.749283	0.138892	0.283335	0.033003	-0.163748	-1.086301
331	7127	-0.715249	-0.702630	0.130352	0.313004	0.185994	-0.128520	-1.074413
332	7149	-0.543173	-0.640759	0.121355	0.341699	0.365201	-0.082903	-1.046946
333	7171	-0.384286	-0.565986	0.111873	0.366580	0.555310	-0.028538	-1.005442
334	7192	-0.237775	-0.482162	0.101904	0.385503	0.740777	0.031692	-0.952576
335	7214	-0.100289	-0.393524	0.091450	0.397437	0.909298	0.094452	-0.891271
336	7235	0.032693	-0.303506	0.080512	0.402592	1.054223	0.156736	-0.823759
337	7257	0.165360	-0.213853	0.069071	0.402227	1.175383	0.216440	-0.750853
338	7278	0.300290	-0.124259	0.057092	0.398224	1.278214	0.272602	-0.671650
339	7300	0.437686	-0.032645	0.044525	0.392520	1.371512	0.325299	-0.583761
340	7321	0.575281	0.064018	0.031323	0.386560	1.464469	0.375243	-0.484018
341	7343	0.708876	0.168553	0.017466	0.380893	1.563796	0.423245	-0.369501
342	7364	0.833358	0.282411	0.002989	0.375000	1.671684	0.469696	-0.238589
343	7386	0.943912	0.404817	-0.011995	0.367394	1.785110	0.514234	-0.091764
344	7407	1.037138	0.532471	-0.027282	0.355952	1.896219	0.555696	0.068067
345	7429	1.111795	0.659924	-0.042569	0.338401	1.996390	0.592359	0.235683
346	7450	1.169012	0.780539	-0.057480	0.312837	2.074803	0.622412	0.405265
347	7472	1.211948	0.887822	-0.071584	0.278166	2.125141	0.644510	0.569835
348	7494	1.244993	0.976804	-0.084422	0.234374	2.145359	0.658257	0.724293
349	7515	1.272719	1.045115	-0.095658	0.182580	2.138660	0.664461	0.865551
350	7537	1.298849	1.093484	-0.104915	0.124867	2.112654	0.665080	0.993211
351	7558	1.325467	1.125517	-0.112022	0.063955	2.077343	0.662844	1.109389
352	7580	1.352647	1.146808	-0.116928	0.002773	2.042461	0.660637	1.217917
353	7601	1.378568	1.163562	-0.119731	-0.055961	2.014863	0.660791	1.323076
354	7623	1.400042	1.181081	-0.120656	-0.110091	1.996677	0.664452	1.428201
355	7644	1.413329	1.202449	-0.120025	-0.158241	1.984680	0.671210	1.534489
356	7666	1.415019	1.227746	-0.118210	-0.199888	1.971107	0.679074	1.640323
357	7687	1.402775	1.253968	-0.115581	-0.235293	1.945682	0.684832	1.741305
358	7709	1.375790	1.275684	-0.112456	-0.265339	1.898383	0.684726	1.830986
359	7730	1.334868	1.286259	-0.109066	-0.291295	1.822252	0.675281	1.902146
360	7752	1.282146	1.279377	-0.105530	-0.314579	1.715536	0.654128	1.948301
361	7773	1.220571	1.250492	-0.101847	-0.336525	1.582618	0.620590	1.965074
362	7795	1.153266	1.197896	-0.097915	-0.358191	1.433489	0.575936	1.951095
363	7817	1.082952	1.123157	-0.093555	-0.380202	1.281868	0.523200	1.908198
364	7838	1.011562	1.030848	-0.088556	-0.402647	1.142394	0.466623	1.840880
365	7860	0.940105	0.927651	-0.082711	-0.425009	1.027549	0.410839	1.755143
366	7881	0.868783	0.821054	-0.075864	-0.446160	0.945013	0.359969	1.657026
367	7903	0.797299	0.717940	-0.067937	-0.464418	0.896061	0.316843	1.551189
368	7924	0.725240	0.623386	-0.058950	-0.477684	0.875343	0.282498	1.439914
369	7946	0.652425	0.539913	-0.049023	-0.483665	0.872070	0.256078	1.322765
370	7967	0.579125	0.467323	-0.038365	-0.480172	0.872320	0.235129	1.197016
371	7989	0.506121	0.403110	-0.027246	-0.465472	0.861892	0.216232	1.058711
372	8010	0.434593	0.343301	-0.015965	-0.438624	0.829097	0.195808	0.904108
373	8032	0.365915	0.283514	-0.004816	-0.399759	0.766853	0.170933	0.731121
374	8053	0.301417	0.219861	0.005952	-0.350220	0.673685	0.139965	0.540395
375	8075	0.242206	0.150192	0.016154	-0.292522	0.553490	0.102877	0.335723
376	8096	0.189092	0.073443	0.025689	-0.230101	0.414197	0.061219	0.123680
377	8118	0.142634	-0.009445	0.034546	-0.166890	0.265722	0.017751	-0.087451
378	8140	0.103279	-0.096442	0.042791	-0.106762	0.117725	-0.024156	-0.289203
379	8161	0.071529	-0.184942	0.050549	-0.052949	-0.022315	-0.061212	-0.474552
380	8183	0.048081	-0.272372	0.057979	-0.007537	-0.150305	-0.090825	-0.639222
381	8204	0.033877	-0.356652	0.065247	0.028846	-0.265830	-0.111523	-0.782372
382	8226	0.030036	-0.436394	0.072492	0.057094	-0.371570	-0.123096	-0.906464
383	8247	0.037656	-0.510833	0.079804	0.079408	-0.472079	-0.126458	-1.016354
384	8269	0.057796	-0.579549	0.087210	0.098831	-0.572293	-0.123283	-1.117805
385	8290	0.090876	-0.642094	0.094663	0.118620	-0.676157	-0.115522	-1.215776
386	8312	0.136951	-0.697682	0.102042	0.141590	-0.785691	-0.104909	-1.312896
387	8333	0.195500	-0.745032	0.109169	0.169534	-0.900661	-0.092702	-1.408502
388	8355	0.265575	-0.782441	0.115820	0.202857	-1.018862	-0.079310	-1.498454
389	8376	0.345990	-0.808082	0.121749	0.240490	-1.136853	-0.064545	-1.575818
390	8398	0.435547	-0.820419	0.126707	0.280090	-1.250904	-0.047735	-1.632233
391	8419	0.533206	-0.818659	0.130468	0.318492	-1.357865	-0.028071	-1.659691
392	8441	0.638162	-0.803076	0.132844	0.352313	-1.455747	-0.004937	-1.652315
393	8463	0.749788	-0.775112	0.133695	0.378584	-1.543891	0.021840	-1.607742
394	8484	0.867476	-0.737222	0.132937	0.395282	-1.622741	0.051875	-1.527815
395	8506	0.990405	-0.692455	0.130540	0.401676	-1.693331	0.084271	-1.418426
396	8527	1.117330	-0.643883	0.126523	0.398406	-1.756672	0.117791	-1.288562
397	8549	1.246446	-0.594002	0.120948	0.387326	-1.813236	0.151104	-1.148758
398	8570	1.375393	-0.544246	0.113908	0.371136	-1.862676	0.183031	-1.009297
399	8592	1.501407	-0.494730	0.105519	0.352898	-1.903844	0.212722	-0.878523
400	8613	1.621597	-0.444303	0.095914	0.335539	-1.935082	0.239724	-0.761620
401	8635	1.733266	-0.390894	0.085235	0.321433	-1.954676	0.263939	-0.660050
402	8656	1.834039	-0.332089	0.073635	0.312120	-1.961318	0.285486	-0.571753
403	8678	1.922910	-0.265804	0.061278	0.308198	-1.954480	0.304543	-0.492000
404	8699	1.998574	-0.190922	0.048339	0.309376	-1.934540	0.321201	-0.414692
405	8721	2.061005	-0.107735	0.035009	0.314640	-1.902708	0.335397	-0.333815
406	8742	2.110363	-0.018114	0.021490	0.322493	-1.860753	0.346950	-0.244750
407	8764	2.146865	0.074645	0.007996	0.331192	-1.810642	0.355659	-0.145219
408	8786	2.170521	0.166268	-0.005253	0.338959	-1.754192	0.361465	-0.035663
409	8807	2.180982	0.252145	-0.018045	0.344142	-1.692830	0.364671	0.080864
410	8829	2.177530	0.328048	-0.030184	0.345323	-1.627504	0.365493	0.199303
411	8850	2.159218	0.390789	-0.041503	0.341394	-1.558727	0.364998	0.313480
412	8872	2.125099	0.438681	-0.051874	0.331616	-1.486711	0.363910	0.417101
413	8893	2.074484	0.471744	-0.061223	0.315673	-1.411511	0.362645	0.504661
414	8915	2.007135	0.491609	-0.069522	0.293729	-1.333117	0.361930	0.572127
415	8936	1.923342	0.501162	-0.076798	0.266453	-1.251458	0.360588	0.617328
416	8958	1.823849	0.503998	-0.083117	0.235014	-1.166331	0.357483	0.640039
417	8979	1.709658	0.503795	-0.088572	0.200998	-1.077320	0.350647	0.641804
418	9001	1.581771	0.503714	-0.093270	0.166254	-0.983753	0.337813	0.625572
419	9022	1.440961	0.505930	-0.097311	0.132671	-0.884792	0.316878	0.595236
420	9044	1.287642	0.511364	-0.100775	0.101909	-0.779649	0.286410	0.555134
421	9065	1.121899	0.519634	-0.103708	0.075145	-0.667918	0.246080	0.509576
422	9087	0.943690	0.529232	-0.106119	0.052880	-0.549932	0.196689	0.462431
423	9109	0.753160	0.537864	-0.107983	0.034858	-0.427024	0.141135	0.415785
424	9130	0.550998	0.542894	-0.109248	0.020123	-0.301591	0.082087	0.374698
425	9152	0.338725	0.541815	-0.109848	0.007211	-0.176875	0.023471	0.337077
426	9173	0.118810	0.532658	-0.109722	-0.005551	-0.056467	-0.031525	0.303674
427	9195	-0.105421	0.514313	-0.108831	-0.019705	0.056382	-0.080230	0.273247
428	9216	-0.330120	0.486686	-0.107172	-0.036339	0.159490	-0.122092	0.243853
429	9238	-0.551400	0.450725	-0.104786	-0.055863	0.252321	-0.157583	0.213285
430	9259	-0.765904	0.408287	-0.101758	-0.077906	0.336226	-0.189104	0.179560
431	9281	-0.971311	0.361915	-0.098215	-0.101365	0.414245	-0.219992	0.141413
432	9302	-1.166662	0.314529	-0.094306	-0.124579	0.490460	-0.253881	0.098679
433	9324	-1.352453	0.269095	-0.090189	-0.145591	0.569012	-0.293885	0.052480
434	9345	-1.530443	0.228306	-0.086009	-0.162425	0.652996	-0.341872	0.005168
435	9367	-1.703248	0.194293	-0.081876	-0.173347	0.743507	-0.397993	-0.040001
436	9388	-1.873796	0.168413	-0.077854	-0.177045	0.839079	-0.460587	-0.079415
437	9410	-2.044775	0.151100	-0.073950	-0.172743	0.935714	-0.526466	-0.109768
438	9432	-2.218181	0.141822	-0.070117	-0.160230	1.027522	-0.591539	-0.128473
439	9453	-2.395065	0.139114	-0.066265	-0.139853	1.107880	-0.651630	-0.135363
440	9475	-2.575490	0.140725	-0.062272	-0.112484	1.170874	-0.703250	-0.130511
441	9496	-2.758691	0.143841	-0.058008	-0.079493	1.212644	-0.744353	-0.116522
442	9518	-2.943343	0.145405	-0.053360	-0.042717	1.232407	-0.774575	-0.096900
443	9539	-3.127851	0.142483	-0.048247	-0.004401	1.232797	-0.795257	-0.075606
444	9561	-3.310543	0.132655	-0.042635	0.032912	1.219484	-0.809047	-0.056282
445	9582	-3.489725	0.114378	-0.036546	0.066587	1.200100	-0.819267	-0.041539
446	9604	-3.663549	0.087261	-0.030057	0.094195	1.182730	-0.829182	-0.032423
447	9625	-3.829766	0.052191	-0.023288	0.113888	1.174285	-0.841347	-0.028523
448	9647	-3.985435	0.011269	-0.016387	0.124785	1.179151	-0.857171	-0.027702
449	9668	-4.126712	-0.032466	-0.009516	0.127280	1.198407	-0.876791	-0.027154
450	9690	-4.248822	-0.075507	-0.002831	0.123153	1.229801	-0.899241	-0.023923
451	9711	-4.346301	-0.114489	0.003533	0.115436	1.268468	-0.922851	-0.015736
452	9733	-4.413504	-0.146839	0.009467	0.107953	1.308198	-0.945744	-0.001650
453	9755	-4.445335	-0.171351	0.014892	0.104614	1.342935	-0.966280	0.017627
454	9776	-4.438073	-0.188556	0.019754	0.108544	1.368141	-0.983333	0.039781
455	9798	-4.390124	-0.200790	0.024018	0.121230	1.381668	-0.996314	0.061340
456	9819	-4.302543	-0.211916	0.027658	0.141892	1.383960	-1.004977	0.078400
457	9841	-4.179161	-0.226705	0.030651	0.167240	1.377545	-1.009058	0.087490
458	9862	-4.026258	-0.249968	0.032973	0.191752	1.365974	-1.007915	0.086371
459	9884	-3.851779	-0.285602	0.034610	0.208470	1.352525	-1.000268	0.074593
460	9905	-3.664194	-0.335723	0.035560	0.210193	1.339018	-0.984200	0.053678
461	9927	-3.471200	-0.400077	0.035858	0.190862	1.325095	-0.957413	0.026886
462	9948	-3.278473	-0.475891	0.035570	0.146838	1.308168	-0.917749	-0.001402
463	9970	-3.088739	-0.558207	0.034845	0.077779	1.284066	-0.863813	-0.026551
464	9991	-2.901333	-0.640677	0.033877	-0.013110	1.248225	-0.795565	-0.044601
465	10013	-2.712385	-0.716687	0.032919	-0.119564	1.197104	-0.714668	-0.053068
466	10034	-2.515618	-0.780579	0.032258	-0.233415	1.129445	-0.624485	-0.051447
467	10056	-2.303640	-0.828732	0.032182	-0.346214	1.047012	-0.529644	-0.041295
468	10078	-2.069511	-0.860248	0.032932	-0.450980	0.954569	-0.435238	-0.025894
469	10099	-1.808280	-0.877094	0.034662	-0.543672	0.859065	-0.345806	-0.009543
470	10121	-1.518188	-0.883628	0.037398	-0.624064	0.768158	-0.264326	0.003360
471	10142	-1.201298	-0.885598	0.041002	-0.695774	0.688451	-0.191457	0.009264
472	10164	-0.863375	-0.888809	0.045175	-0.765405	0.623837	-0.125247	0.006254
473	10185	-0.513041	-0.897744	0.049462	-0.840972	0.574392	-0.061410	-0.005491
474	10207	-0.160325	-0.914429	0.053302	-0.929927	0.536116	0.005834	-0.023654
475	10228	0.185081	-0.937817	0.056088	-1.037223	0.501627	0.082513	-0.044147
476	10250	0.515525	-0.963838	0.057250	-1.163871	0.461692	0.173503	-0.061837
477	10271	0.826666	-0.986112	0.056335	-1.306314	0.407255	0.281268	-0.071474
478	10293	1.118042	-0.997207	0.053087	-1.458802	0.331527	0.405056	-0.068840
479	10314	1.392754	-0.990153	0.047501	-1.604692	0.231629	0.540720	-0.050559
480	10336	1.656328	-0.959901	0.039850	-1.738407	0.109420	0.681260	-0.016613
481	10357	1.914955	-0.904395	0.030670	-1.847615	-0.028707	0.817974	0.031520
482	10379	2.173505	-0.825031	0.020712	-1.925145	-0.173027	0.942006	0.090111
483	10401	2.433757	-0.726391	0.010855	-1.968202	-0.312423	1.045953	0.153949
484	10422	2.693278	-0.615322	0.001998	-1.978613	-0.436626	1.125198	0.217121
485	10444	2.945274	-0.499559	-0.005054	-1.962054	-0.538262	1.178681	0.273873
486	10465	3.179523	-0.386224	-0.009709	-1.926455	-0.614236	1.208935	0.319376
487	10487	3.384248	-0.280510	-0.011665	-1.879968	-0.666170	1.221405	0.350333
488	10508	3.548602	-0.184867	-0.010966	-1.828989	-0.699800	1.223171	0.365195
489	10530	3.665217	-0.098829	-0.008006	-1.776703	-0.723493	1.221396	0.364392
490	10551	3.732275	-0.019526	-0.003482	-1.722500	-0.746242	1.221814	0.349906
491	10573	3.754567	0.057295	0.001689	-1.662388	-0.775600	1.227597	0.324983
492	10594	3.743258	0.135980	0.006493	-1.590291	-0.816034	1.238831	0.293501
493	10616	3.714281	0.219753	0.009949	-1.499887	-0.868043	1.252696	0.259657
494	10637	3.685637	0.309848	0.011243	-1.386528	-0.928228	1.264284	0.227308
495	10659	3.674099	0.405208	0.009841	-1.248743	-0.990256	1.267839	0.199727
496	10680	3.691979	0.502799	0.005563	-1.088941	-1.046468	1.258131	0.179355
497	10702	3.744642	0.598433	-0.001391	-0.913132	-1.089730	1.231639	0.167689
498	10724	3.829321	0.687879	-0.010460	-0.729717	-1.115097	1.187291	0.165263
499	10745	3.935509	0.767964	-0.020791	-0.547650	-1.120902	1.126613	0.171688
500	10767	4.046895	0.837367	-0.031350	-0.374429	-1.109055	1.053287	0.185737
501	10788	4.144480	0.896913	-0.041047	-0.214416	-1.084501	0.972253	0.205474
502	10810	4.210223	0.949272	-0.048875	-0.067922	-1.054008	0.888601	0.228411
503	10831	4.230481	0.998166	-0.054031	0.068707	-1.024601	0.806516	0.251725
504	10853	4.198514	1.047281	-0.056013	0.202016	-1.002011	0.728535	0.272520
505	10874	4.115543	1.099173	-0.054673	0.339616	-0.989515	0.655271	0.288135
506	10896	3.990144	1.154467	-0.050231	0.488082	-0.987405	0.585627	0.296467
507	10917	3.836136	1.211562	-0.043239	0.651072	-0.993191	0.517438	0.296266
508	10939	3.669446	1.266926	-0.034506	0.828158	-1.002433	0.448309	0.287341
509	10960	3.504640	1.315924	-0.024996	1.014660	-1.009985	0.376461	0.270632
510	10982	3.351909	1.353861	-0.015709	1.202538	-1.011309	0.301319	0.248096
511	11003	3.215136	1.377658	-0.007565	1.382140	-1.003547	0.223729	0.222413
512	11025	3.091481	1.385744	-0.001294	1.544371	-0.986094	0.145742	0.196536
513	11047	2.972517	1.379440	0.002639	1.682757	-0.960554	0.070048	0.173159
514	11068	2.846625	1.362208	0.004082	1.794881	-0.930121	-0.000780	0.154190
515	11090	2.702084	1.338927	0.003204	1.882844	-0.898564	-0.065006	0.140349
516	11111	2.530103	1.314680	0.000471	1.952613	-0.869100	-0.122219	0.130989
517	11133	2.327109	1.293467	-0.003421	2.012420	-0.843431	-0.173457	0.124067
518	11154	2.095753	1.277151	-0.007628	2.070598	-0.821212	-0.220904	0.116679
519	11176	1.844413	1.264930	-0.011257	2.133399	-0.800072	-0.267263	0.105416
520	11197	1.585337	1.253459	-0.013474	2.203328	-0.776178	-0.314939	0.087127
521	11219	1.331848	1.237626	-0.013599	2.278426	-0.745204	-0.365278	0.059542
522	11240	1.095285	1.211794	-0.011181	2.352692	-0.703457	-0.418041	0.021762
523	11262	0.882395	1.171213	-0.006055	2.417546	-0.648883	-0.471289	-0.025519
524	11283	0.693763	1.113263	0.001637	2.463989	-0.581692	-0.521711	-0.080110
525	11305	0.523661	1.038206	0.011463	2.484919	-0.504462	-0.565343	-0.138719
526	11326	0.361336	0.949267	0.022740	2.477041	-0.421668	-0.598508	-0.197576
527	11348	0.193446	0.852006	0.034615	2.441858	-0.338769	-0.618755	-0.253156
528	11370	0.007097	0.753110	0.046150	2.385503	-0.261034	-0.625570	-0.302833
529	11391	-0.207211	0.658898	0.056433	2.317405	-0.192416	-0.620671	-0.345338
530	11413	-0.453364	0.573887	0.064677	2.248097	-0.134697	-0.607809	-0.380919
531	11434	-0.728625	0.499754	0.070307	2.186679	-0.087138	-0.592098	-0.411167
532	11456	-1.024029	0.434951	0.073028	2.138545	-0.046664	-0.579026	-0.438551
533	11477	-1.326068	0.375073	0.072858	2.103929	-0.008697	-0.573346	-0.465776
534	11499	-1.619276	0.313890	0.070119	2.077634	0.031966	-0.578117	-0.495091
535	11520	-1.889126	0.244817	0.065402	2.050041	0.079767	-0.594082	-0.527720
536	11542	-2.124625	0.162492	0.059487	2.009165	0.137463	-0.619545	-0.563527
537	11563	-2.320082	0.064088	0.053251	1.943320	0.205475	-0.650749	-0.600980
538	11585	-2.475700	-0.049924	0.047552	1.843758	0.281784	-0.682681	-0.637421
539	11606	-2.596962	-0.175725	0.043127	1.706680	0.362359	-0.710118	-0.669559
540	11628	-2.693002	-0.306828	0.040493	1.534153	0.442035	-0.728674	-0.694071
541	11649	-2.774374	-0.435317	0.039891	1.333734	0.515616	-0.735641	-0.708171
542	11671	-2.850748	-0.553355	0.041251	1.116869	0.578963	-0.730429	-0.710027
543	11693	-2.929018	-0.654645	0.044212	0.896466	0.629824	-0.714539	-0.698935
544	11714	-3.012205	-0.735503	0.048169	0.684202	0.668224	-0.691089	-0.675254
545	11736	-3.099317	-0.795349	0.052360	0.488181	0.696341	-0.664017	-0.640124
546	11757	-3.186126	-0.836523	0.055965	0.311485	0.717902	-0.637157	-0.595080
547	11779	-3.266601	-0.863505	0.058222	0.151930	0.737250	-0.613386	-0.541666
548	11800	-3.334823	-0.881744	0.058522	0.003073	0.758288	-0.594036	-0.481155
549	11822	-3.385578	-0.896381	0.056485	-0.143609	0.783561	-0.578699	-0.414445
550	11843	-3.417460	-0.911152	0.052009	-0.297247	0.813652	-0.565380	-0.342132
551	11865	-3.431278	-0.927709	0.045275	-0.463209	0.847048	-0.551131	-0.264731
552	11886	-3.430704	-0.945476	0.036711	-0.643395	0.880479	-0.532722	-0.182945
553	11908	-3.421089	-0.962050	0.026932	-0.834610	0.909667	-0.507465	-0.097882
554	11929	-3.408102	-0.973997	0.016650	-1.029333	0.930289	-0.473858	-0.011143
555	11951	-3.396289	-0.977849	0.006582	-1.217350	0.938952	-0.431313	0.075514
556	11972	-3.387895	-0.971047	-0.002644	-1.388046	0.933961	-0.383371	0.159233
557	11994	-3.382167	-0.952609	-0.010560	-1.532804	0.915702	-0.331025	0.236847
558	12016	-3.375284	-0.923395	-0.016909	-1.646952	0.886571	-0.278526	0.312833
559	12037	-3.360911	-0.885913	-0.021652	-1.730775	0.850476	-0.229512	0.380782
560	12059	-3.331247	-0.843754	-0.024958	-1.789385	0.812012	-0.186987	0.443214
561	12080	-3.278363	-0.800797	-0.027157	-1.831479	0.775521	-0.152810	0.501396
562	12102	-3.195578	-0.760387	-0.028674	-1.867273	0.744229	-0.127453	0.556946
563	12123	-3.078620	-0.724681	-0.029961	-1.906128	0.719655	-0.110026	0.611296
564	12145	-2.926379	-0.694296	-0.031423	-1.954404	0.701420	-0.098578	0.665175
565	12166	-2.741138	-0.668324	-0.033339	-2.014063	0.687476	-0.090570	0.718222
566	12188	-2.528252	-0.644702	-0.035969	-2.082318	0.674689	-0.083428	0.768855
567	12209	-2.295357	-0.620808	-0.039248	-2.152417	0.659648	-0.075048	0.814456
568	12231	-2.051231	-0.594151	-0.043095	-2.215348	0.639481	-0.064166	0.851836
569	12252	-1.804534	-0.562965	-0.047291	-2.262055	0.612508	-0.050521	0.877891
570	12274	-1.562598	-0.526713	-0.051558	-2.285641	0.578574	-0.034800	0.890290
571	12295	-1.330502	-0.485996	-0.055602	-2.283032	0.539000	-0.018389	0.888035
572	12317	-1.110541	-0.442571	-0.059160	-2.255707	0.496161	-0.002995	0.871736
573	12339	-0.902210	-0.398828	-0.062032	-2.209340	0.452815	0.009776	0.843529
574	12360	-0.702657	-0.357263	-0.064101	-2.152439	0.411349	0.018793	0.806641
575	12382	-0.507553	-0.319931	-0.065338	-2.094312	0.373123	0.023663	0.764696
576	12403	-0.312192	-0.288034	-0.065792	-2.042849	0.338085	0.024822	0.720915
577	12425	-0.112636	-0.261712	-0.065566	-2.002639	0.304752	0.023463	0.677424
578	12446	0.093335	-0.240090	-0.064794	-1.977882	0.270560	0.021299	0.634816
579	12468	0.305620	-0.221538	-0.063615	-1.952335	0.232519	0.020236	0.592569
580	12489	0.521693	-0.204087	-0.062149	-1.930330	0.187993	0.022007	0.547082
581	12511	0.736999	-0.185890	-0.060488	-1.898599	0.135445	0.027851	0.496988
582	12532	0.945788	-0.165626	-0.058693	-1.848508	0.074941	0.038285	0.439364
583	12554	1.142194	-0.142761	-0.056797	-1.774155	0.008292	0.053032	0.372844
584	12575	1.321362	-0.117609	-0.054820	-1.673856	-0.061208	0.071090	0.297720
585	12597	1.480353	-0.091202	-0.052783	-1.550926	-0.129410	0.090948	0.216104
586	12618	1.618645	-0.064988	-0.050717	-1.411770	-0.192146	0.110894	0.131657
587	12640	1.738109	-0.040450	-0.048674	-1.267015	-0.246178	0.129353	0.048921
588	12662	1.842457	-0.018722	-0.046723	-1.126689	-0.289598	0.145187	-0.027580
589	12683	1.936284	-0.000298	-0.044941	-0.999289	-0.322779	0.157900	-0.094281
590	12705	2.023923	0.015106	-0.043400	-0.889647	-0.347782	0.167709	-0.149310
591	12726	2.108356	0.028509	-0.042148	-0.797898	-0.368106	0.175450	-0.192859
592	12748	2.190456	0.041446	-0.041187	-0.719519	-0.387880	0.182370	-0.227089
593	12769	2.268720	0.055622	-0.040462	-0.646434	-0.410924	0.189814	-0.255583
594	12791	2.339581	0.072516	-0.039855	-0.568930	-0.439932	0.198902	-0.282485
595	12812	2.398224	0.093025	-0.039189	-0.477960	-0.475737	0.210254	-0.311513
596	12834	2.439734	0.117220	-0.038246	-0.367284	-0.517134	0.223826	-0.345086
597	12855	2.460311	0.144282	-0.036789	-0.234992	-0.562354	0.238897	-0.383766
598	12877	2.458283	0.172626	-0.034597	-0.084030	-0.606854	0.254211	-0.426147
599	12898	2.434668	0.200205	-0.031492	0.078359	-0.647173	0.268256	-0.469211
600	12920	2.393162	0.224924	-0.027376	0.242179	-0.680317	0.279599	-0.509058
601	12941	2.339340	0.245096	-0.022241	0.396834	-0.704774	0.287228	-0.541849
602	12963	2.280607	0.259823	-0.016187	0.533414	-0.720646	0.290803	-0.564709
603	12985	2.222906	0.269233	-0.009405	0.646590	-0.730551	0.290772	-0.576395
604	13006	2.171490	0.274513	-0.002167	0.735692	-0.737095	0.288303	-0.577573
605	13028	2.128983	0.277715	0.005216	0.804738	-0.744040	0.285066	-0.570619
606	13049	2.095150	0.281377	0.012423	0.861403	-0.754379	0.282886	-0.559034
607	13071	2.067038	0.288022	0.019170	0.915194	-0.769717	0.283363	-0.546584
608	13092	2.039635	0.299645	0.025242	0.975230	-0.789773	0.287528	-0.536402
609	13114	2.006904	0.317294	0.030518	1.048159	-0.812331	0.295622	-0.530251
610	13135	1.962943	0.340837	0.034989	1.136675	-0.833646	0.307052	-0.528130
611	13157	1.903047	0.368971	0.038748	1.238966	-0.849032	0.320527	-0.528309
612	13178	1.824458	0.399477	0.041973	1.349211	-0.854855	0.334349	-0.527789
613	13200	1.726685	0.429676	0.044902	1.458990	-0.847496	0.346800	-0.523048
614	13221	1.611368	0.456980	0.047787	1.559271	-0.826062	0.356522	-0.510921
615	13243	1.481763	0.479429	0.050858	1.642496	-0.791687	0.362812	-0.489371
616	13264	1.342003	0.496085	0.054286	1.704276	-0.747532	0.365762	-0.457995
617	13286	1.196299	0.507193	0.058157	1.744310	-0.698142	0.366203	-0.418135
618	13308	1.048260	0.514075	0.062457	1.766304	-0.648486	0.365470	-0.372583
619	13329	0.900448	0.518760	0.067075	1.776935	-0.602910	0.365039	-0.324958
620	13351	0.754220	0.523450	0.071817	1.784094	-0.564234	0.366123	-0.278906
621	13372	0.609848	0.529929	0.076441	1.794853	-0.533189	0.369323	-0.237328
622	13394	0.466832	0.539058	0.080687	1.813617	-0.508336	0.374403	-0.201804
623	13415	0.324318	0.550490	0.084319	1.840919	-0.486454	0.380268	-0.172349
624	13437	0.181509	0.562661	0.087157	1.873140	-0.463335	0.385134	-0.147549
625	13458	0.037988	0.573092	0.089104	1.903216	-0.434765	0.386863	-0.125022
626	13480	-0.106091	0.578924	0.090155	1.922176	-0.397499	0.383390	-0.102098
627	13501	-0.249941	0.577587	0.090395	1.921157	-0.349974	0.373144	-0.076519
628	13523	-0.392208	0.567433	0.089981	1.893414	-0.292636	0.355374	-0.047018
629	13544	-0.531089	0.548209	0.089113	1.835879	-0.227794	0.330311	-0.013623
630	13566	-0.664490	0.521216	0.087997	1.749902	-0.159058	0.299122	0.022377
631	13587	-0.790169	0.489149	0.086810	1.641011	-0.090506	0.263692	0.058774
632	13609	-0.905868	0.455602	0.085664	1.517762	-0.025786	0.226252	0.093010
633	13631	-1.009423	0.424370	0.084592	1.389954	0.032642	0.188977	0.122814
634	13652	-1.098859	0.398675	0.083533	1.266625	0.083930	0.153602	0.146757
635	13674	-1.172500	0.380505	0.082345	1.154288	0.128867	0.121176	0.164585
636	13695	-1.229071	0.370201	0.080824	1.055818	0.169488	0.091968	0.177258
637	13717	-1.267802	0.366394	0.078742	0.970195	0.208389	0.065559	0.186685
638	13738	-1.288506	0.366306	0.075884	0.893188	0.247951	0.041083	0.195231
639	13760	-1.291617	0.366350	0.072085	0.818712	0.289620	0.017542	0.205129
640	13781	-1.278166	0.362900	0.067271	0.740589	0.333485	-0.005862	0.217921
641	13803	-1.249696	0.353058	0.061471	0.654226	0.378218	-0.029471	0.234084
642	13824	-1.208112	0.335253	0.054827	0.557835	0.421410	-0.053040	0.252918
643	13846	-1.155507	0.309538	0.047583	0.452911	0.460205	-0.075763	0.272725
644	13867	-1.093978	0.277540	0.040055	0.343865	0.492072	-0.096432	0.291220
645	13889	-1.025464	0.242067	0.032595	0.236932	0.515512	-0.113706	0.306099
646	13910	-0.951636	0.206480	0.025546	0.138633	0.530517	-0.126386	0.315594
647	13932	-0.873838	0.173980	0.019193	0.054189	0.538658	-0.133712	0.318926
648	13954	-0.793078	0.146957	0.013734	-0.013742	0.542760	-0.135500	0.316526
649	13975	-0.710060	0.126567	0.009249	-0.065674	0.546268	-0.132205	0.309991
650	13997	-0.625234	0.112599	0.005691	-0.105135	0.552407	-0.124831	0.301791
651	14018	-0.538859	0.103657	0.002902	-0.137770	0.563388	-0.114745	0.294797
652	14040	-0.451061	0.097598	0.000632	-0.169953	0.579832	-0.103426	0.291731
653	14061	-0.361900	0.092094	-0.001423	-0.207237	0.600575	-0.092209	0.294669
654	14083	-0.271446	0.085195	-0.003574	-0.253031	0.622901	-0.082087	0.304683
655	14104	-0.179867	0.075736	-0.006098	-0.307815	0.643164	-0.073590	0.321688
656	14126	-0.087528	0.063515	-0.009199	-0.369074	0.657652	-0.066767	0.344520
657	14147	0.004912	0.049206	-0.012984	-0.431956	0.663490	-0.061274	0.371194
658	14169	0.096434	0.034039	-0.017452	-0.490458	0.659068	-0.056517	0.399279
659	14190	0.185652	0.019356	-0.022496	-0.538934	0.645906	-0.051837	0.426307
660	14212	0.270887	0.006160	-0.027925	-0.573325	0.625571	-0.046678	0.450129
661	14233	0.350327	-0.005223	-0.033493	-0.592178	0.602148	-0.040714	0.469159
662	14255	0.422268	-0.015230	-0.038929	-0.596865	0.579887	-0.033907	0.482484
663	14277	0.485378	-0.025035	-0.043976	-0.591178	0.562525	-0.026498	0.489839
664	14298	0.538943	-0.036144	-0.048416	-0.580344	0.552404	-0.018943	0.491488
665	14320	0.583011	-0.050000	-0.052091	-0.569735	0.549898	-0.011798	0.488061
666	14341	0.618395	-0.067545	-0.054912	-0.563579	0.553289	-0.005612	0.480383
667	14363	0.646504	-0.088907	-0.056858	-0.564004	0.559127	-0.000814	0.469339
668	14384	0.669021	-0.113301	-0.057950	-0.570630	0.562992	0.002350	0.455779
669	14406	0.687488	-0.139174	-0.058270	-0.580803	0.560500	0.003851	0.440462
670	14427	0.702882	-0.164579	-0.057908	-0.590398	0.548315	0.003870	0.424007
671	14449	0.715292	-0.187675	-0.056964	-0.594977	0.524941	0.002749	0.406846
672	14470	0.723788	-0.207236	-0.055540	-0.591020	0.491127	0.000931	0.389136
673	14492	0.726524	-0.223049	-0.053734	-0.576920	0.449773	-0.001113	0.370670
674	14513	0.721074	-0.236085	-0.051647	-0.553503	0.405376	-0.002945	0.350771
675	14535	0.704947	-0.248394	-0.049389	-0.523958	0.363135	-0.004223	0.328231
676	14556	0.676152	-0.262745	-0.047087	-0.493202	0.327905	-0.004726	0.301319
677	14578	0.633694	-0.282074	-0.044891	-0.466832	0.303245	-0.004385	0.267900
678	14600	0.577868	-0.308870	-0.042973	-0.449936	0.290742	-0.003275	0.225666
679	14621	0.510261	-0.344637	-0.041513	-0.446025	0.289764	-0.001603	0.172468
680	14643	0.433460	-0.389548	-0.040685	-0.456356	0.297681	0.000320	0.106698
681	14664	0.350502	-0.442373	-0.040629	-0.479774	0.310480	0.002122	0.027662
682	14686	0.264204	-0.500690	-0.041426	-0.513103	0.323637	0.003415	-0.064136
683	14707	0.176519	-0.561339	-0.043066	-0.551977	0.333044	0.003855	-0.166859
684	14729	0.088087	-0.621002	-0.045441	-0.591895	0.335795	0.003186	-0.277393
685	14750	-0.001905	-0.676782	-0.048329	-0.629255	0.330659	0.001286	-0.391590
686	14772	-0.095508	-0.726655	-0.051413	-0.662117	0.318173	-0.001807	-0.504866
687	14793	-0.195459	-0.769692	-0.054299	-0.690526	0.300341	-0.005892	-0.611696
688	14815	-0.304418	-0.806014	-0.056565	-0.716336	0.280035	-0.010624	-0.708106
689	14836	-0.424264	-0.836500	-0.057803	-0.742589	0.260256	-0.015561	-0.790086
690	14858	-0.555253	-0.862330	-0.057673	-0.772607	0.243400	-0.020222	-0.854857
691	14879	-0.695864	-0.884470	-0.055952	-0.809018	0.230713	-0.024161	-0.900761
692	14901	-0.842730	-0.903239	-0.052565	-0.852934	0.222029	-0.027036	-0.927180
693	14923	-0.991071	-0.918051	-0.047603	-0.903478	0.215819	-0.028662	-0.934312
694	14944	-1.135395	-0.927396	-0.041318	-0.957741	0.209536	-0.029039	-0.922899
695	14966	-1.270323	-0.929072	-0.034096	-1.011197	0.200146	-0.028358	-0.893953
696	14987	-1.391362	-0.920601	-0.026412	-1.058442	0.184727	-0.026968	-0.848562
697	15009	-1.495434	-0.899746	-0.018772	-1.094134	0.160995	-0.025329	-0.787803
698	15030	-1.581072	-0.865002	-0.011649	-1.113889	0.127670	-0.023933	-0.712777
699	15052	-1.648241	-0.815956	-0.005432	-1.114997	0.084608	-0.023241	-0.624728
700	15073	-1.697846	-0.753436	-0.000375	-1.096792	0.032714	-0.023605	-0.525196
701	15095	-1.731091	-0.679427	0.003427	-1.060639	-0.026329	-0.025219	-0.416148
702	15116	-1.748836	-0.596761	0.006039	-1.009559	-0.090430	-0.028088	-0.300024
703	15138	-1.751148	-0.508679	0.007670	-0.947586	-0.157462	-0.032019	-0.179675
704	15159	-1.737160	-0.418333	0.008634	-0.879002	-0.225566	-0.036644	-0.058190
705	15181	-1.705278	-0.328358	0.009300	-0.807592	-0.293322	-0.041458	0.061348
706	15202	-1.653688	-0.240588	0.010035	-0.736069	-0.359790	-0.045876	0.176132
707	15224	-1.581031	-0.155970	0.011155	-0.665748	-0.424424	-0.049302	0.283855
708	15246	-1.487069	-0.074671	0.012880	-0.596514	-0.486911	-0.051199	0.382834
709	15267	-1.373163	0.003646	0.015313	-0.527061	-0.546993	-0.051156	0.472007
710	15289	-1.242432	0.079466	0.018437	-0.455331	-0.604329	-0.048933	0.550806
711	15310	-1.099515	0.153075	0.022122	-0.379075	-0.658411	-0.044506	0.618936
712	15332	-0.949991	0.224289	0.026157	-0.296408	-0.708572	-0.038065	0.676131
713	15353	-0.799567	0.292337	0.030291	-0.206274	-0.754056	-0.029999	0.721948
714	15375	-0.653198	0.355904	0.034268	-0.108756	-0.794123	-0.020842	0.755667
715	15396	-0.514359	0.413328	0.037869	-0.005166	-0.828161	-0.011205	0.776330
716	15418	-0.384605	0.462894	0.040934	0.102060	-0.855767	-0.001683	0.782920
717	15439	-0.263533	0.503162	0.043383	0.209666	-0.876774	0.007235	0.774636
718	15461	-0.149139	0.533244	0.045206	0.313998	-0.891232	0.015241	0.751211
719	15482	-0.038488	0.552979	0.046460	0.411497	-0.899338	0.022263	0.713165
720	15504	0.071444	0.562968	0.047240	0.499173	-0.901348	0.028471	0.661972
721	15525	0.182976	0.564465	0.047658	0.574985	-0.897496	0.034240	0.599945
722	15547	0.297110	0.559149	0.047815	0.638072	-0.887936	0.040078	0.530179
723	15569	0.413260	0.548841	0.047785	0.688803	-0.872730	0.046507	0.456042
724	15590	0.529348	0.535207	0.047605	0.728623	-0.851880	0.053948	0.380807
725	15612	0.642244	0.519528	0.047273	0.759735	-0.825393	0.062601	0.307212
726	15633	0.748412	0.502568	0.046763	0.784675	-0.793370	0.072370	0.237134
727	15655	0.844630	0.484560	0.046036	0.805837	-0.756096	0.082830	0.171433
728	15676	0.928604	0.465314	0.045061	0.825064	-0.714108	0.093265	0.110004
729	15698	0.999339	0.444402	0.043829	0.843360	-0.668207	0.102753	0.052006
730	15719	1.057209	0.421395	0.042365	0.860792	-0.619569	0.110315	-0.003757
731	15741	1.103709	0.396074	0.040728	0.876601	-0.569453	0.115058	-0.058431
732	15762	1.140988	0.368599	0.039004	0.889488	-0.519340	0.116350	-0.112731
733	15784	1.171252	0.339575	0.037294	0.898033	-0.470688	0.113921	-0.166711
734	15805	1.196216	0.310023	0.035689	0.901130	-0.424800	0.107934	-0.219692
735	15827	1.216711	0.281254	0.034255	0.898355	-0.382671	0.098966	-0.270392
736	15848	1.232535	0.254665	0.033015	0.890172	-0.344860	0.087930	-0.317199
737	15870	1.242572	0.231519	0.031938	0.877920	-0.311386	0.075937	-0.358520
738	15892	1.245144	0.212721	0.030944	0.863579	-0.281703	0.064119	-0.393128
739	15913	1.238490	0.198662	0.029910	0.849360	-0.254738	0.053462	-0.420414
740	15935	1.221265	0.189133	0.028693	0.837209	-0.229018	0.044658	-0.440494
741	15956	1.192939	0.183350	0.027156	0.828346	-0.202877	0.038013	-0.454140
742	15978	1.153996	0.180064	0.025193	0.822935	-0.174706	0.033432	-0.462572
743	15999	1.105913	0.177764	0.022752	0.819995	-0.143229	0.030459	-0.467152
744	16021	1.050910	0.174914	0.019851	0.817558	-0.107747	0.028396	-0.469060
745	16042	0.991551	0.170203	0.016583	0.813071	-0.068305	0.026442	-0.469059
746	16064	0.930287	0.162760	0.013108	0.803946	-0.025735	0.023851	-0.467257
747	16085	0.869041	0.152296	0.009630	0.788136	0.018434	0.020072	-0.463324
748	16107	0.808930	0.139148	0.006377	0.764614	0.062206	0.014844	-0.456450
749	16128	0.750187	0.124217	0.003560	0.733624	0.103452	0.008231	-0.445709
750	16150	0.692272	0.108808	0.001350	0.696663	0.140289	0.000604	-0.430324
751	16171	0.634161	0.094402	-0.000152	0.656172	0.171435	-0.007439	-0.409925
752	16193	0.574724	0.082382	-0.000908	0.615013	0.196454	-0.015185	-0.384702
753	16215	0.513316	0.073786	-0.001043	0.575847	0.215858	-0.021933	-0.355426
754	16236	0.449081	0.069109	-0.000645	0.540556	0.231004	-0.027111	-0.323335
755	16258	0.383116	0.068202	0.000067	0.509841	0.243833	-0.030365	-0.289915
756	16279	0.316461	0.070289	0.000866	0.483098	0.256466	-0.031602	-0.256635
757	16301	0.250911	0.074088	0.001533	0.458594	0.270764	-0.030984	-0.224699
758	16322	0.188518	0.078042	0.001880	0.433902	0.287932	-0.028879	-0.194864
759	16344	0.131224	0.080585	0.001782	0.406508	0.308252	-0.025779	-0.167379
760	16365	0.080520	0.080420	0.001189	0.374425	0.331019	-0.022208	-0.142030
761	16387	0.037198	0.076741	0.000126	0.336691	0.354684	-0.018631	-0.118295
762	16408	0.001235	0.069364	-0.001310	0.293616	0.377192	-0.015386	-0.095546
763	16430	-0.028160	0.058732	-0.002971	0.246734	0.396430	-0.012649	-0.073253
764	16451	-0.052370	0.045801	-0.004679	0.198460	0.410694	-0.010441	-0.051140
765	16473	-0.073084	0.031832	-0.006254	0.151538	0.419072	-0.008665	-0.029258
766	16494	-0.091982	0.018115	-0.007539	0.108419	0.421654	-0.007164	-0.007956
767	16516	-0.110441	0.005712	-0.008420	0.070696	0.419513	-0.005790	0.012226
768	16538	-0.129325	-0.004756	-0.008838	0.038754	0.414476	-0.004465	0.030720
769	16559	-0.148893	-0.013219	-0.008794	0.011701	0.408713	-0.003216	0.047087
770	16581	-0.168828	-0.020140	-0.008343	-0.012403	0.404258	-0.002182	0.061150
771	16602	-0.188386	-0.026378	-0.007585	-0.036059	0.402557	-0.001589	0.073044
772	16624	-0.206621	-0.032974	-0.006647	-0.061721	0.404145	-0.001698	0.083192
773	16645	-0.222631	-0.040887	-0.005668	-0.091192	0.408541	-0.002737	0.092199
774	16667	-0.235783	-0.050760	-0.004777	-0.125175	0.414361	-0.004848	0.100705
775	16688	-0.245867	-0.062761	-0.004082	-0.163076	0.419646	-0.008040	0.109224
776	16710	-0.253159	-0.076540	-0.003661	-0.203119	0.422310	-0.012179	0.118012
777	16731	-0.258370	-0.091308	-0.003550	-0.242723	0.420621	-0.017012	0.126998
778	16753	-0.262509	-0.106021	-0.003743	-0.279075	0.413589	-0.022225	0.135782
779	16774	-0.266685	-0.119635	-0.004236	-0.309752	0.401185	-0.027517	0.143710
780	16796	-0.271888	-0.131353	-0.004941	-0.333252	0.384339	-0.032675	0.149994
781	16817	-0.278798	-0.140825	-0.005789	-0.349317	0.364718	-0.037637	0.153864
782	16839	-0.287654	-0.148239	-0.006695	-0.358973	0.344342	-0.042514	0.154704
783	16860	-0.298208	-0.154280	-0.007574	-0.364277	0.325135	-0.047580	0.152161
784	16882	-0.309776	-0.159970	-0.008347	-0.367848	0.308500	-0.053192	0.146191
785	16904	-0.321371	-0.166418	-0.008949	-0.372260	0.295036	-0.059716	0.137058
786	16925	-0.331896	-0.174546	-0.009335	-0.379474	0.284447	-0.067410	0.125280
787	16947	-0.340351	-0.184842	-0.009478	-0.390403	0.275656	-0.076337	0.111547
788	16968	-0.346025	-0.197221	-0.009375	-0.404722	0.267110	-0.086301	0.096612
789	16990	-0.348635	-0.211013	-0.009043	-0.420963	0.257173	-0.096849	0.081203
790	17011	-0.348378	-0.225090	-0.008521	-0.436857	0.244537	-0.107326	0.065942
791	17033	-0.345903	-0.238112	-0.007863	-0.449853	0.228529	-0.116979	0.051293
792	17054	-0.342189	-0.248828	-0.007135	-0.457693	0.209267	-0.125104	0.037527
793	17076	-0.338378	-0.256371	-0.006410	-0.458812	0.187605	-0.131188	0.024724
794	17097	-0.335566	-0.260461	-0.005761	-0.453153	0.164908	-0.135027	0.012778
795	17119	-0.334616	-0.261491	-0.005254	-0.441238	0.142703	-0.136785	0.001427
796	17140	-0.336005	-0.260443	-0.004939	-0.424980	0.122297	-0.136985	-0.009703
797	17162	-0.339760	-0.258671	-0.004848	-0.406783	0.104453	-0.136417	-0.021045
798	17183	-0.345455	-0.257585	-0.004990	-0.389126	0.089208	-0.135995	-0.033018
799	17205	-0.352313	-0.258318	-0.005349	-0.374044	0.075875	-0.136571	-0.045951
800	17227	-0.359351	-0.261442	-0.005886	-0.362720	0.063218	-0.138761	-0.060002
801	17248	-0.365569	-0.266813	-0.006542	-0.355273	0.049776	-0.142811	-0.075096
802	17270	-0.370133	-0.273582	-0.007249	-0.350794	0.034231	-0.148535	-0.090885
803	17291	-0.372523	-0.280362	-0.007931	-0.347592	0.015752	-0.155340	-0.106753
804	17313	-0.372613	-0.285541	-0.008519	-0.343619	-0.005779	-0.162343	-0.121869
805	17334	-0.370683	-0.287650	-0.008956	-0.336957	-0.029714	-0.168538	-0.135292
806	17356	-0.367347	-0.285710	-0.009205	-0.326262	-0.054766	-0.173008	-0.146111
807	17377	-0.363423	-0.279483	-0.009252	-0.311078	-0.079296	-0.175109	-0.153605
808	17399	-0.359773	-0.269550	-0.009107	-0.291939	-0.101676	-0.174607	-0.157384
809	17420	-0.357132	-0.257216	-0.008803	-0.270255	-0.120666	-0.171729	-0.157493
810	17442	-0.355986	-0.244232	-0.008392	-0.247998	-0.135688	-0.167114	-0.154437
811	17463	-0.356486	-0.232418	-0.007937	-0.227270	-0.146960	-0.161687	-0.149133
812	17485	-0.358445	-0.223249	-0.007502	-0.209840	-0.155437	-0.156459	-0.142778
813	17506	-0.361398	-0.217516	-0.007150	-0.196760	-0.162587	-0.152323	-0.136651
814	17528	-0.364714	-0.215127	-0.006929	-0.188131	-0.170050	-0.149863	-0.131892
815	17550	-0.367741	-0.215104	-0.006869	-0.183088	-0.179257	-0.149236	-0.129296
816	17571	-0.369939	-0.215781	-0.006981	-0.179978	-0.191102	-0.150138	-0.129155
817	17593	-0.370990	-0.215156	-0.007251	-0.176723	-0.205734	-0.151878	-0.131190
818	17614	-0.370847	-0.211339	-0.007649	-0.171261	-0.222531	-0.153524	-0.134592
819	17636	-0.369722	-0.202973	-0.008125	-0.161988	-0.240237	-0.154108	-0.138156
820	17657	-0.368015	-0.189558	-0.008621	-0.148099	-0.257249	-0.152834	-0.140498
821	17679	-0.366191	-0.171589	-0.009073	-0.129757	-0.271977	-0.149251	-0.140309
822	17700	-0.364652	-0.150481	-0.009421	-0.108053	-0.283188	-0.143356	-0.136606
823	17722	-0.363605	-0.128290	-0.009611	-0.084779	-0.290267	-0.135602	-0.128921
824	17743	-0.362986	-0.107298	-0.009603	-0.062042	-0.293324	-0.126805	-0.117406
825	17765	-0.362425	-0.089535	-0.009376	-0.041829	-0.293135	-0.117981	-0.102817
826	17786	-0.361292	-0.076357	-0.008924	-0.025596	-0.290925	-0.110145	-0.086397
827	17808	-0.358788	-0.068161	-0.008261	-0.013979	-0.288061	-0.104100	-0.069659
828	17829	-0.354084	-0.064307	-0.007419	-0.006683	-0.285708	-0.100282	-0.054127
829	17851	-0.346462	-0.063259	-0.006440	-0.002568	-0.284557	-0.098677	-0.041066
830	17873	-0.335446	-0.062912	-0.005377	0.000079	-0.284662	-0.098829	-0.031266
831	17894	-0.320877	-0.061044	-0.004289	0.003172	-0.285448	-0.099940	-0.024912
832	17916	-0.302940	-0.055789	-0.003230	0.008402	-0.285869	-0.101039	-0.021565
833	17937	-0.282111	-0.046020	-0.002253	0.016893	-0.284683	-0.101182	-0.020271
834	17959	-0.259061	-0.031586	-0.001399	0.028977	-0.280782	-0.099645	-0.019760
835	17980	-0.234517	-0.013323	-0.000695	0.044158	-0.273479	-0.096064	-0.018724
836	18002	-0.209128	0.007130	-0.000157	0.061257	-0.262709	-0.090509	-0.016099
837	18023	-0.183351	0.027697	0.000216	0.078704	-0.249061	-0.083457	-0.011319
838	18045	-0.157380	0.046301	0.000440	0.094907	-0.233664	-0.075694	-0.004474
839	18066	-0.131145	0.061301	0.000541	0.108617	-0.217924	-0.068144	0.003648
840	18088	-0.104365	0.071815	0.000556	0.119200	-0.203193	-0.061682	0.011656
841	18109	-0.076646	0.077882	0.000524	0.126757	-0.190435	-0.056956	0.017778
842	18131	-0.047602	0.080441	0.000490	0.132073	-0.179981	-0.054251	0.020175
843	18152	-0.016967	0.080953	0.000492	0.136403	-0.171419	-0.053437	0.017280
844	18174	0.015321	0.081339	0.000564	0.141149	-0.163652	-0.053987	0.008125
845	18196	0.049095	0.083274	0.000734	0.147510	-0.155127	-0.055085	-0.007439
846	18217	0.083984	0.087965	0.001017	0.156186	-0.144157	-0.055776	-0.028645
847	18239	0.119487	0.095885	0.001418	0.167192	-0.129291	-0.055152	-0.053889
848	18260	0.155080	0.106697	0.001936	0.179853	-0.109635	-0.052515	-0.080956
849	18282	0.190322	0.119364	0.002558	0.192948	-0.085050	-0.047501	-0.107379
850	18303	0.224929	0.132407	0.003268	0.204994	-0.056194	-0.040138	-0.130847
851	18325	0.258813	0.144256	0.004043	0.214588	-0.024387	-0.030825	-0.149602
852	18346	0.292055	0.153604	0.004864	0.220735	0.008652	-0.020243	-0.162747
853	18368	0.324825	0.159689	0.005708	0.223078	0.041155	-0.009217	-0.170395
854	18389	0.357273	0.162447	0.006559	0.221986	0.071636	0.001445	-0.173625
855	18411	0.389403	0.162498	0.007403	0.218470	0.099153	0.011096	-0.174265
856	18432	0.420974	0.160987	0.008230	0.213961	0.123423	0.019363	-0.174519
857	18454	0.451444	0.159298	0.009035	0.209983	0.144788	0.026190	-0.176525
858	18475	0.479989	0.158744	0.009815	0.207814	0.164030	0.031818	-0.181921
859	18497	0.505570	0.160260	0.010566	0.208205	0.182100	0.036705	-0.191523
860	18519	0.527078	0.164214	0.011285	0.211223	0.199817	0.041402	-0.205152
861	18540	0.543485	0.170328	0.011965	0.216245	0.217635	0.046411	-0.221686
862	18562	0.554011	0.177766	0.012597	0.222115	0.235503	0.052064	-0.239286
863	18583	0.558243	0.185325	0.013164	0.227415	0.252886	0.058437	-0.255783
864	18605	0.556204	0.191706	0.013649	0.230787	0.268909	0.065319	-0.269118
865	18626	0.548345	0.195799	0.014029	0.231241	0.282605	0.072253	-0.277758
866	18648	0.535465	0.196900	0.014283	0.228362	0.293189	0.078622	-0.280991
867	18669	0.518587	0.194840	0.014389	0.222391	0.300292	0.083772	-0.279033
868	18691	0.498797	0.189979	0.014333	0.214146	0.304081	0.087153	-0.272936
869	18712	0.477099	0.183094	0.014108	0.204821	0.305253	0.088430	-0.264302
870	18734	0.454290	0.175164	0.013703	0.195691	0.304872	0.087556	-0.254893
871	18755	0.430899	0.167141	0.013140	0.187819	0.304109	0.084793	-0.246193
872	18777	0.407178	0.159724	0.012434	0.181809	0.303932	0.080661	-0.239054
873	18798	0.383154	0.153216	0.011615	0.177674	0.304836	0.075848	-0.233492
874	18820	0.358714	0.147472	0.010722	0.174833	0.306668	0.071082	-0.228678
875	18842	0.333712	0.141953	0.009767	0.172257	0.308611	0.066995	-0.223142
876	18863	0.308060	0.135873	0.008808	0.168698	0.309313	0.064014	-0.215129
877	18885	0.281799	0.128389	0.007866	0.162977	0.307169	0.062293	-0.203042
878	18906	0.255129	0.118794	0.006960	0.154238	0.300664	0.061701	-0.185859
879	18928	0.228396	0.106674	0.006101	0.142142	0.288720	0.061865	-0.163431
880	18949	0.202049	0.091991	0.005291	0.126926	0.270964	0.062262	-0.136599
881	18971	0.176575	0.075076	0.004520	0.109355	0.247855	0.062338	-0.107084
882	18992	0.152429	0.056548	0.003774	0.090548	0.220639	0.061630	-0.077183
883	19014	0.129977	0.037180	0.003036	0.071743	0.191147	0.059862	-0.049328
884	19035	0.109456	0.017748	0.002289	0.054044	0.161475	0.057006	-0.025607
885	19057	0.090963	-0.001109	0.001519	0.038207	0.133612	0.053286	-0.007348
886	19078	0.074467	-0.018966	0.000719	0.024512	0.109107	0.049132	0.005150
887	19100	0.059836	-0.035639	-0.000110	0.012736	0.088825	0.045092	0.012666
888	19121	0.046873	-0.051144	-0.000959	0.002236	0.072857	0.041727	0.016893
889	19143	0.035356	-0.065613	-0.001813	-0.007882	0.060577	0.039500	0.020084
890	19165	0.025071	-0.079189	-0.002656	-0.018553	0.050841	0.038694	0.024596
891	19186	0.015830	-0.091936	-0.003468	-0.030545	0.042269	0.039361	0.032411
892	19208	0.007486	-0.103780	-0.004235	-0.044296	0.033542	0.041323	0.044753
893	19229	-0.000065	-0.114496	-0.004948	-0.059823	0.023657	0.044215	0.061864
894	19251	-0.006882	-0.123752	-0.005607	-0.076728	0.012090	0.047558	0.082982
895	19272	-0.012993	-0.131174	-0.006218	-0.094273	-0.001165	0.050858	0.106527
896	19294	-0.018398	-0.136436	-0.006796	-0.111526	-0.015669	0.053691	0.130437
897	19315	-0.023080	-0.139337	-0.007357	-0.127530	-0.030700	0.055774	0.152590
898	19337	-0.027017	-0.139844	-0.007920	-0.141459	-0.045451	0.057006	0.171217
899	19358	-0.030197	-0.138096	-0.008500	-0.152739	-0.059219	0.057465	0.185224
900	19380	-0.032632	-0.134369	-0.009102	-0.161113	-0.071547	0.057375	0.194360
901	19401	-0.034363	-0.129010	-0.009724	-0.166636	-0.082278	0.057042	0.199216
902	19423	-0.035503	-0.122361	-0.010351	-0.169618	-0.091535	0.056785	0.201048
903	19444	-0.036182	-0.114686	-0.010955	-0.170534	-0.099632	0.056865	0.201485
904	19466	-0.036596	-0.106141	-0.011502	-0.169914	-0.106949	0.057436	0.202179
905	19488	-0.036970	-0.096760	-0.011949	-0.168242	-0.113810	0.058516	0.204474
906	19509	-0.037536	-0.086499	-0.012258	-0.165888	-0.120391	0.059991	0.209156
907	19531	-0.038505	-0.075286	-0.012392	-0.163075	-0.126679	0.061646	0.216328
908	19552	-0.040045	-0.063092	-0.012326	-0.159879	-0.132488	0.063212	0.225430
909	19574	-0.042255	-0.049992	-0.012052	-0.156270	-0.137524	0.064421	0.235381
910	19595	-0.045154	-0.036188	-0.011575	-0.152160	-0.141466	0.065058	0.244823
911	19617	-0.048681	-0.022009	-0.010923	-0.147462	-0.144056	0.064994	0.252390
912	19638	-0.052709	-0.007868	-0.010134	-0.142131	-0.145163	0.064209	0.256974
913	19660	-0.057069	0.005802	-0.009263	-0.136191	-0.144811	0.062784	0.257917
914	19681	-0.061570	0.018625	-0.008367	-0.129737	-0.143169	0.060880	0.255117
915	19703	-0.066035	0.030346	-0.007504	-0.122919	-0.140509	0.058696	0.249018
916	19724	-0.070312	0.040868	-0.006724	-0.115905	-0.137146	0.056434	0.240502
917	19746	-0.074290	0.050257	-0.006065	-0.108853	-0.133384	0.054261	0.230713
918	19767	-0.077900	0.058710	-0.005543	-0.101874	-0.129474	0.052279	0.220841
919	19789	-0.081102	0.066491	-0.005160	-0.095016	-0.125587	0.050514	0.211905
920	19811	-0.083875	0.073856	-0.004892	-0.088263	-0.121822	0.048927	0.204584
921	19832	-0.086200	0.080986	-0.004702	-0.081550	-0.118221	0.047423	0.199114
922	19854	-0.088046	0.087935	-0.004540	-0.074783	-0.114790	0.045886	0.195265
923	19875	-0.089369	0.094611	-0.004349	-0.067872	-0.111519	0.044208	0.192410
924	19897	-0.090106	0.100798	-0.004076	-0.060760	-0.108392	0.042317	0.189652
925	19918	-0.090192	0.106200	-0.003676	-0.053442	-0.105376	0.040192	0.186008
926	19940	-0.089564	0.110510	-0.003119	-0.045974	-0.102416	0.037876	0.180599
927	19961	-0.088182	0.113474	-0.002392	-0.038465	-0.099421	0.035462	0.172823
928	19983	-0.086036	0.114950	-0.001507	-0.031059	-0.096258	0.033080	0.162477
929	20004	-0.083155	0.114934	-0.000492	-0.023915	-0.092766	0.030867	0.149808
930	20026	-0.079608	0.113562	0.000607	-0.017175	-0.088784	0.028941	0.135480
931	20047	-0.075497	0.111084	0.001732	-0.010948	-0.084186	0.027376	0.120470
932	20069	-0.070950	0.107809	0.002823	-0.005287	-0.078920	0.026183	0.105898
933	20090	-0.066104	0.104053	0.003820	-0.000198	-0.073039	0.025311	0.092833
934	20112	-0.061096	0.100084	0.004673	0.004363	-0.066704	0.024647	0.082108
935	20134	-0.056050	0.096085	0.005346	0.008469	-0.060177	0.024044	0.074167
936	20155	-0.051069	0.092138	0.005818	0.012204	-0.053773	0.023341	0.068995
937	20177	-0.046236	0.088235	0.006088	0.015647	-0.047813	0.022394	0.066124
938	20198	-0.041605	0.084296	0.006171	0.018854	-0.042559	0.021104	0.064729
939	20220	-0.037212	0.080209	0.006097	0.021854	-0.038170	0.019431	0.063790
940	20241	-0.033075	0.075866	0.005903	0.024655	-0.034674	0.017403	0.062293
941	20263	-0.029198	0.071189	0.005631	0.027246	-0.031967	0.015106	0.059421
942	20284	-0.025579	0.066148	0.005323	0.029612	-0.029844	0.012669	0.054714
943	20306	-0.022208	0.060764	0.005015	0.031745	-0.028039	0.010237	0.048143
944	20327	-0.019076	0.055101	0.004734	0.033648	-0.026288	0.007948	0.040105
945	20349	-0.016171	0.049242	0.004497	0.035340	-0.024369	0.005905	0.031326
946	20370	-0.013483	0.043279	0.004311	0.036847	-0.022142	0.004164	0.022703
947	20392	-0.011001	0.037293	0.004174	0.038193	-0.019552	0.002727	0.015112
948	20413	-0.008719	0.031344	0.004075	0.039389	-0.016619	0.001552	0.009229
949	20435	-0.006631	0.025470	0.004000	0.040422	-0.013413	0.000566	0.005402
950	20457	-0.004731	0.019693	0.003934	0.041253	-0.010012	-0.000313	0.003588
951	20478	-0.003019	0.014025	0.003859	0.041820	-0.006480	-0.001157	0.003389
952	20500	-0.001491	0.008480	0.003765	0.042046	-0.002847	-0.002009	0.004152
953	20521	-0.000146	0.003073	0.003643	0.041856	0.000889	-0.002878	0.005126
954	20543	0.001019	-0.002168	0.003489	0.041195	0.004744	-0.003742	0.005633
955	20564	0.002008	-0.007209	0.003306	0.040038	0.008727	-0.004553	0.005205
956	20586	0.002829	-0.012009	0.003100	0.038403	0.012806	-0.005260	0.003681
957	20607	0.003496	-0.016524	0.002879	0.036344	0.016902	-0.005821	0.001220
958	20629	0.004023	-0.020711	0.002655	0.033948	0.020880	-0.006217	-0.001756
959	20650	0.004432	-0.024527	0.002439	0.031316	0.024572	-0.006460	-0.004671
960	20672	0.004747	-0.027929	0.002242	0.028544	0.027802	-0.006589	-0.006935
961	20693	0.004992	-0.030873	0.002075	0.025711	0.030423	-0.006660	-0.008079
962	20715	0.005192	-0.033316	0.001943	0.022867	0.032347	-0.006730	-0.007847
963	20736	0.005369	-0.035217	0.001850	0.020030	0.033562	-0.006841	-0.006243
964	20758	0.005540	-0.036541	0.001797	0.017195	0.034132	-0.007002	-0.003505
965	20780	0.005714	-0.037272	0.001780	0.014343	0.034183	-0.007189	-0.000038
966	20801	0.005892	-0.037413	0.001793	0.011459	0.033870	-0.007344	0.003692
967	20823	0.006067	-0.036993	0.001826	0.008545	0.033344	-0.007390	0.007260
968	20844	0.006228	-0.036072	0.001869	0.005627	0.032720	-0.007245	0.010369
969	20866	0.006356	-0.034732	0.001910	0.002759	0.032060	-0.006847	0.012894
970	20887	0.006434	-0.033073	0.001938	0.000013	0.031369	-0.006168	0.014878
971	20909	0.006446	-0.031199	0.001944	-0.002533	0.030609	-0.005227	0.016488
972	20930	0.006381	-0.029205	0.001922	-0.004806	0.029722	-0.004087	0.017952
973	20952	0.006235	-0.027171	0.001869	-0.006758	0.028660	-0.002848	0.019474
974	20973	0.006013	-0.025153	0.001785	-0.008371	0.027400	-0.001628	0.021185
975	20995	0.005727	-0.023180	0.001676	-0.009655	0.025959	-0.000538	0.023105
976	21016	0.005395	-0.021267	0.001548	-0.010650	0.024392	0.000337	0.025148
977	21038	0.005039	-0.019415	0.001409	-0.011407	0.022775	0.000951	0.027153
978	21059	0.004679	-0.017624	0.001271	-0.011977	0.021186	0.001309	0.028937
979	21081	0.004336	-0.015904	0.001142	-0.012403	0.019681	0.001458	0.030340
980	21103	0.004022	-0.014273	0.001030	-0.012706	0.018284	0.001476	0.031269
981	21124	0.003746	-0.012760	0.000940	-0.012890	0.016984	0.001453	0.031709
982	21146	0.003509	-0.011397	0.000876	-0.012944	0.015742	0.001469	0.031716
983	21167	0.003306	-0.010215	0.000837	-0.012852	0.014512	0.001575	0.031388
984	21189	0.003129	-0.009231	0.000820	-0.012604	0.013257	0.001790	0.030828
985	21210	0.002964	-0.008442	0.000823	-0.012207	0.011971	0.002093	0.030109
986	21232	0.002801	-0.007829	0.000839	-0.011682	0.010684	0.002436	0.029260
987	21253	0.002626	-0.007355	0.000865	-0.011072	0.009455	0.002754	0.028260
988	21275	0.002434	-0.006973	0.000896	-0.010424	0.008360	0.002989	0.027066
989	21296	0.002219	-0.006639	0.000928	-0.009789	0.007465	0.003098	0.025638
990	21318	0.001981	-0.006319	0.000957	-0.009205	0.006812	0.003068	0.023976
991	21339	0.001726	-0.005994	0.000982	-0.008690	0.006393	0.002917	0.022139
992	21361	0.001459	-0.005664	0.001002	-0.008243	0.006160	0.002686	0.020247
993	21382	0.001192	-0.005346	0.001014	-0.007845	0.006024	0.002433	0.018465
994	21404	0.000934	-0.005063	0.001020	-0.007465	0.005884	0.002215	0.016963
995	21426	0.000694	-0.004839	0.001018	-0.007072	0.005646	0.002075	0.015876
996	21447	0.000479	-0.004686	0.001009	-0.006644	0.005253	0.002032	0.015267
997	21469	0.000293	-0.004607	0.000993	-0.006172	0.004696	0.002083	0.015097
998	21490	0.000138	-0.004587	0.000972	-0.005665	0.004014	0.002198	0.015234
999	21512	0.000010	-0.004604	0.000946	-0.005143	0.003288	0.002336	0.015471
1000	21533	-0.000094	-0.004630	0.000919	-0.004632	0.002615	0.002453	0.015574
1001	21555	-0.000178	-0.004642	0.000893	-0.004152	0.002082	0.002516	0.015334
1002	21576	-0.000248	-0.004627	0.000870	-0.003715	0.001746	0.002506	0.014612
1003	21598	-0.000307	-0.004587	0.000853	-0.003315	0.001616	0.002427	0.013372
1004	21619	-0.000357	-0.004535	0.000843	-0.002938	0.001658	0.002298	0.011689
1005	21641	-0.000397	-0.004490	0.000841	-0.002557	0.001801	0.002151	0.009731
1006	21662	-0.000429	-0.004473	0.000845	-0.002151	0.001961	0.002018	0.007718
1007	21684	-0.000451	-0.004498	0.000855	-0.001706	0.002063	0.001925	0.005879
1008	21705	-0.000461	-0.004564	0.000867	-0.001224	0.002061	0.001885	0.004396
1009	21727	-0.000461	-0.004662	0.000880	-0.000721	0.001945	0.001894	0.003378
1010	21749	-0.000451	-0.004769	0.000890	-0.000230	0.001745	0.001936	0.002839
1011	21770	-0.000432	-0.004861	0.000898	0.000215	0.001511	0.001988	0.002707
1012	21792	-0.000406	-0.004917	0.000901	0.000581	0.001303	0.002026	0.002846
1013	21813	-0.000374	-0.004926	0.000902	0.000849	0.001162	0.002036	0.003096
1014	21835	-0.000334	-0.004894	0.000903	0.001019	0.001106	0.002013	0.003305
1015	21856	-0.000288	-0.004838	0.000904	0.001107	0.001117	0.001965	0.003360
1016	21878	-0.000233	-0.004786	0.000909	0.001143	0.001155	0.001909	0.003204
1017	21899	-0.000169	-0.004764	0.000919	0.001165	0.001166	0.001866	0.002836
1018	21921	-0.000096	-0.004795	0.000935	0.001202	0.001105	0.001852	0.002302
1019	21942	-0.000019	-0.004884	0.000955	0.001273	0.000949	0.001876	0.001677
1020	21964	0.000059	-0.005022	0.000978	0.001379	0.000706	0.001936	0.001041
1021	21985	0.000130	-0.005183	0.001001	0.001505	0.000418	0.002016	0.000472
1022	22007	0.000188	-0.005334	0.001020	0.001626	0.000145	0.002097	0.000026
1023	22028	0.000225	-0.005441	0.001033	0.001713	-0.000050	0.002156	-0.000255

Subject 8 left FFT

		Subject 8 0,0	Subject 8 36,0	Subject 8 72,0	Subject 8 36,16	Subject 8 36,48	Subject 8 36,80	Subject 8 36,112
0	0	-0.854667	-1.088827	-1.044767	-0.947870	-0.877473	-1.036847	-1.041139
1	22	-0.827624	-1.050046	-1.025984	-0.925418	-0.860691	-1.005379	-0.998100
2	43	-0.751062	-0.939648	-0.970774	-0.860257	-0.811243	-0.914982	-0.875942
3	65	-0.637698	-0.774328	-0.882457	-0.758631	-0.731799	-0.776969	-0.694151
4	86	-0.505677	-0.578356	-0.766255	-0.629900	-0.626677	-0.607978	-0.480858
5	108	-0.374726	-0.378996	-0.628852	-0.485161	-0.501622	-0.427093	-0.267298
6	129	-0.262033	-0.201455	-0.477832	-0.335671	-0.363426	-0.252646	-0.081793
7	151	-0.178783	-0.064346	-0.321052	-0.191342	-0.219394	-0.099286	0.055488
8	172	-0.128080	0.023424	-0.166003	-0.059563	-0.076671	0.024116	0.135899
9	194	-0.104666	0.063773	-0.019225	0.055481	0.058482	0.115379	0.163189
10	215	-0.096463	0.068387	0.114171	0.152899	0.181369	0.178614	0.151763
11	237	-0.087501	0.055772	0.230827	0.234624	0.289330	0.222662	0.122818
12	258	-0.061562	0.047059	0.329264	0.304520	0.381909	0.258735	0.099261
13	280	-0.005694	0.061460	0.409815	0.367249	0.460625	0.297781	0.100564
14	301	0.087144	0.112293	0.474364	0.427153	0.528366	0.348121	0.138677
15	323	0.216826	0.204395	0.525921	0.487330	0.588488	0.413816	0.215838
16	345	0.376378	0.333365	0.568097	0.549103	0.643801	0.494056	0.324667
17	366	0.553674	0.486757	0.604536	0.611909	0.695665	0.583638	0.450387
18	388	0.734041	0.646890	0.638373	0.673620	0.743400	0.674370	0.574579
19	409	0.903140	0.794623	0.671787	0.731170	0.784191	0.757030	0.679511
20	431	1.049475	0.913305	0.705716	0.781332	0.813546	0.823445	0.752049
21	452	1.166033	0.992042	0.739742	0.821464	0.826237	0.868226	0.786247
22	474	1.250816	1.027643	0.772183	0.850065	0.817572	0.889800	0.784127
23	495	1.306286	1.024901	0.800358	0.867021	0.784697	0.890554	0.754554
24	517	1.337993	0.995179	0.820994	0.873527	0.727655	0.876098	0.710595
25	538	1.352814	0.953699	0.830705	0.871699	0.649934	0.853864	0.666096
26	560	1.357244	0.916115	0.826492	0.864004	0.558324	0.831358	0.632331
27	581	1.356133	0.895122	0.806180	0.852639	0.462089	0.814490	0.615564
28	603	1.352067	0.897803	0.768740	0.839000	0.371561	0.806316	0.616055
29	624	1.345419	0.924235	0.714462	0.823367	0.296438	0.806486	0.628688
30	646	1.334924	0.967601	0.644951	0.804867	0.244116	0.811454	0.644967
31	668	1.318521	1.015726	0.562958	0.781711	0.218410	0.815401	0.655788
32	689	1.294181	1.053684	0.472074	0.751651	0.218924	0.811624	0.654212
33	711	1.260501	1.066901	0.376331	0.712539	0.241216	0.794080	0.637484
34	732	1.216937	1.044110	0.279772	0.662868	0.277715	0.758737	0.607731
35	754	1.163696	0.979580	0.186032	0.602178	0.319202	0.704448	0.571171
36	775	1.101381	0.874196	0.097998	0.531235	0.356537	0.633177	0.536003
37	797	1.030584	0.735222	0.017576	0.451955	0.382266	0.549554	0.509556
38	818	0.951561	0.574863	-0.054416	0.367101	0.391786	0.459879	0.495466
39	840	0.864140	0.407938	-0.118215	0.279819	0.383827	0.370805	0.491655
40	861	0.767861	0.249177	-0.174968	0.193119	0.360209	0.288001	0.489750
41	883	0.662316	0.110655	-0.226489	0.109418	0.324951	0.215067	0.476195
42	904	0.547555	-0.000139	-0.274957	0.030218	0.282999	0.152923	0.434916
43	926	0.424443	-0.081282	-0.322603	-0.043998	0.238875	0.099787	0.351002
44	947	0.294829	-0.136323	-0.371404	-0.113673	0.195596	0.051705	0.214573
45	969	0.161486	-0.173188	-0.422829	-0.179901	0.154097	0.003513	0.023919
46	991	0.027838	-0.202372	-0.477666	-0.244056	0.113286	-0.049999	-0.212866
47	1012	-0.102460	-0.234787	-0.535918	-0.307401	0.070673	-0.112957	-0.478254
48	1034	-0.225975	-0.279698	-0.596801	-0.370775	0.023396	-0.187547	-0.747672
49	1055	-0.339860	-0.343102	-0.658819	-0.434402	-0.030666	-0.273585	-0.993518
50	1077	-0.442065	-0.426832	-0.719917	-0.497861	-0.091982	-0.368574	-1.190002
51	1098	-0.531372	-0.528465	-0.777681	-0.560200	-0.158938	-0.468220	-1.317817
52	1120	-0.607281	-0.642006	-0.829574	-0.620147	-0.227999	-0.567264	-1.367655
53	1141	-0.669839	-0.759147	-0.873187	-0.676360	-0.294450	-0.660463	-1.341830
54	1163	-0.719486	-0.870834	-0.906470	-0.727645	-0.353547	-0.743504	-1.253645
55	1184	-0.757009	-0.968841	-0.927931	-0.773100	-0.401762	-0.813685	-1.124635
56	1206	-0.783607	-1.047073	-0.936787	-0.812150	-0.437834	-0.870255	-0.980286
57	1227	-0.801056	-1.102391	-0.933037	-0.844480	-0.463305	-0.914353	-0.845126
58	1249	-0.811888	-1.134878	-0.917470	-0.869901	-0.482397	-0.948611	-0.738226
59	1270	-0.819476	-1.147535	-0.891593	-0.888198	-0.501209	-0.976501	-0.670060
60	1292	-0.827941	-1.145527	-0.857488	-0.899004	-0.526403	-1.001587	-0.641328
61	1314	-0.841821	-1.135141	-0.817611	-0.901754	-0.563653	-1.026813	-0.643938
62	1335	-0.865514	-1.122665	-0.774559	-0.895730	-0.616242	-1.053977	-0.663843
63	1357	-0.902574	-1.113376	-0.730821	-0.880199	-0.684121	-1.083455	-0.685036
64	1378	-0.954987	-1.110795	-0.688543	-0.854612	-0.763680	-1.114217	-0.693738
65	1400	-1.022607	-1.116304	-0.649334	-0.818815	-0.848308	-1.144104	-0.681828
66	1421	-1.102877	-1.129150	-0.614129	-0.773220	-0.929627	-1.170295	-0.648702
67	1443	-1.190956	-1.146787	-0.583129	-0.718909	-0.999154	-1.189861	-0.601176
68	1464	-1.280252	-1.165488	-0.555828	-0.657617	-1.050005	-1.200313	-0.551471
69	1486	-1.363322	-1.181070	-0.531106	-0.591621	-1.078269	-1.200026	-0.513787
70	1507	-1.432963	-1.189636	-0.507402	-0.523554	-1.083737	-1.188502	-0.500313
71	1529	-1.483332	-1.188186	-0.482919	-0.456171	-1.069823	-1.166413	-0.517641
72	1550	-1.510866	-1.175034	-0.455863	-0.392136	-1.042691	-1.135454	-0.564497
73	1572	-1.514844	-1.149966	-0.424667	-0.333858	-1.009788	-1.098037	-0.631382
74	1593	-1.497481	-1.114154	-0.388182	-0.283412	-0.978119	-1.056883	-0.702286
75	1615	-1.463533	-1.069850	-0.345820	-0.242545	-0.952656	-1.014599	-0.758167
76	1637	-1.419500	-1.019946	-0.297622	-0.212750	-0.935240	-0.973292	-0.781426
77	1658	-1.372562	-0.967472	-0.244249	-0.195363	-0.924231	-0.934296	-0.760391
78	1680	-1.329445	-0.915121	-0.186901	-0.191643	-0.914971	-0.898041	-0.692722
79	1701	-1.295433	-0.864884	-0.127178	-0.202789	-0.900966	-0.864074	-0.586912
80	1723	-1.273664	-0.817835	-0.066887	-0.229857	-0.875495	-0.831221	-0.461386
81	1744	-1.264840	-0.774084	-0.007836	-0.273585	-0.833307	-0.797861	-0.341261
82	1766	-1.267354	-0.732897	0.048367	-0.334129	-0.771996	-0.762262	-0.253335
83	1787	-1.277793	-0.692937	0.100491	-0.410776	-0.692768	-0.722906	-0.220287
84	1809	-1.291682	-0.652567	0.147800	-0.501674	-0.600417	-0.678780	-0.255292
85	1830	-1.304328	-0.610171	0.190113	-0.603662	-0.502540	-0.629555	-0.358237
86	1852	-1.311588	-0.564429	0.227785	-0.712245	-0.408143	-0.575645	-0.514416
87	1873	-1.310442	-0.514511	0.261621	-0.821756	-0.325973	-0.518136	-0.696131
88	1895	-1.299287	-0.460164	0.292734	-0.925704	-0.262908	-0.458595	-0.867016
89	1916	-1.277930	-0.401713	0.322358	-1.017290	-0.222769	-0.398798	-0.988357
90	1938	-1.247334	-0.339968	0.351652	-1.090034	-0.205759	-0.340419	-1.026235
91	1960	-1.209209	-0.276092	0.381508	-1.138429	-0.208637	-0.284747	-0.958125
92	1981	-1.165543	-0.211439	0.412409	-1.158542	-0.225548	-0.232458	-0.777641
93	2003	-1.118209	-0.147407	0.444333	-1.148488	-0.249292	-0.183500	-0.496446
94	2024	-1.068702	-0.085300	0.476741	-1.108689	-0.272749	-0.137104	-0.142898
95	2046	-1.018059	-0.026228	0.508637	-1.041895	-0.290149	-0.091902	0.242402
96	2067	-0.966937	0.028971	0.538697	-0.952951	-0.297931	-0.046164	0.613362
97	2089	-0.915792	0.079793	0.565458	-0.848330	-0.295054	0.001928	0.926232
98	2110	-0.865098	0.126107	0.587524	-0.735493	-0.282736	0.053977	1.147048
99	2132	-0.815497	0.168187	0.603781	-0.622142	-0.263749	0.111119	1.257333
100	2153	-0.767848	0.206708	0.613566	-0.515454	-0.241456	0.173834	1.256972
101	2175	-0.723130	0.242712	0.616788	-0.421397	-0.218842	0.241867	1.163775
102	2196	-0.682230	0.277522	0.613960	-0.344181	-0.197744	0.314250	1.009832
103	2218	-0.645667	0.312586	0.606149	-0.285928	-0.178454	0.389429	0.835380
104	2239	-0.613323	0.349284	0.594844	-0.246572	-0.159711	0.465459	0.681358
105	2261	-0.584272	0.388692	0.581751	-0.223998	-0.139072	0.540239	0.582049
106	2283	-0.556747	0.431351	0.568567	-0.214392	-0.113505	0.611758	0.559164
107	2304	-0.528279	0.477088	0.556729	-0.212745	-0.080053	0.678308	0.618411
108	2326	-0.495978	0.524937	0.547212	-0.213434	-0.036411	0.738648	0.749112
109	2347	-0.456901	0.573183	0.540374	-0.210823	0.018712	0.792102	0.926815
110	2369	-0.408424	0.619564	0.535897	-0.199784	0.085484	0.838586	1.118322
111	2390	-0.348542	0.661598	0.532814	-0.176106	0.163068	0.878558	1.288098
112	2412	-0.276024	0.696994	0.529631	-0.136749	0.249896	0.912922	1.404820
113	2433	-0.190409	0.724094	0.524524	-0.079934	0.343980	0.942871	1.446844
114	2455	-0.091862	0.742239	0.515584	-0.005090	0.443163	0.969715	1.405649
115	2476	0.019066	0.751998	0.501076	0.087302	0.545245	0.994690	1.286724
116	2498	0.141679	0.755201	0.479673	0.195912	0.647984	1.018784	1.107877
117	2519	0.275310	0.754751	0.450640	0.318777	0.749007	1.042590	0.895443
118	2541	0.419373	0.754225	0.413936	0.453481	0.845707	1.066218	0.679219
119	2562	0.573260	0.757344	0.370224	0.597278	0.935239	1.089272	0.487144
120	2584	0.736123	0.767380	0.320791	0.747166	1.014649	1.110912	0.340723
121	2606	0.906597	0.786631	0.267391	0.899930	1.081173	1.129980	0.251977
122	2627	1.082550	0.816032	0.212034	1.052185	1.132666	1.145207	0.222348
123	2649	1.260953	0.855003	0.156753	1.200460	1.168055	1.155443	0.243590
124	2670	1.437924	0.901546	0.103387	1.341333	1.187709	1.159891	0.300272
125	2692	1.608973	0.952579	0.053399	1.471643	1.193591	1.158291	0.373288
126	2713	1.769424	1.004442	0.007772	1.588746	1.189133	1.151027	0.443576
127	2735	1.914935	1.053473	-0.033031	1.690782	1.178783	1.139108	0.495338
128	2756	2.042031	1.096559	-0.069018	1.776891	1.167321	1.124041	0.518203
129	2778	2.148535	1.131541	-0.100552	1.847332	1.159032	1.107588	0.508053
130	2799	2.233817	1.157425	-0.128203	1.903453	1.156925	1.091451	0.466529
131	2821	2.298813	1.174351	-0.152570	1.947483	1.162159	1.076955	0.399529
132	2842	2.345808	1.183362	-0.174127	1.982178	1.173816	1.064775	0.315142
133	2864	2.378036	1.186020	-0.193116	2.010345	1.189066	1.054772	0.221569
134	2885	2.399165	1.183964	-0.209494	2.034336	1.203727	1.045977	0.125491
135	2907	2.412767	1.178521	-0.222963	2.055597	1.213093	1.036739	0.031192
136	2929	2.421874	1.170422	-0.233059	2.074351	1.212857	1.025004	-0.059457
137	2950	2.428658	1.159714	-0.239304	2.089498	1.199955	1.008678	-0.146270
138	2972	2.434306	1.145844	-0.241375	2.098737	1.173129	0.986003	-0.229573
139	2993	2.439060	1.127902	-0.239272	2.098922	1.133124	0.955859	-0.308927
140	3015	2.442399	1.104941	-0.233437	2.086572	1.082460	0.917940	-0.382157
141	3036	2.443311	1.076306	-0.224813	2.058455	1.024872	0.872750	-0.444934
142	3058	2.440603	1.041877	-0.214806	2.012137	0.964527	0.821428	-0.491052
143	3079	2.433174	1.002167	-0.205155	1.946401	0.905214	0.765439	-0.513352
144	3101	2.420245	0.958253	-0.197716	1.861446	0.849692	0.706197	-0.505106
145	3122	2.401480	0.911548	-0.194195	1.758864	0.799309	0.644712	-0.461540
146	3144	2.377034	0.863469	-0.195857	1.641373	0.753986	0.581343	-0.381175
147	3165	2.347491	0.815079	-0.203262	1.512397	0.712525	0.515719	-0.266699
148	3187	2.313727	0.766780	-0.216082	1.375561	0.673151	0.446862	-0.125148
149	3208	2.276709	0.718139	-0.233021	1.234212	0.634131	0.373466	0.032626
150	3230	2.237242	0.667889	-0.251880	1.091051	0.594314	0.294311	0.193143
151	3252	2.195711	0.614116	-0.269754	0.947943	0.553448	0.208675	0.341924
152	3273	2.151826	0.554599	-0.283370	0.805918	0.512204	0.116676	0.465292
153	3295	2.104442	0.487242	-0.289495	0.665346	0.471896	0.019445	0.552055
154	3316	2.051476	0.410511	-0.285392	0.526223	0.433993	-0.080925	0.594809
155	3338	1.989962	0.323785	-0.269249	0.388487	0.399542	-0.181650	0.590706
156	3359	1.916276	0.227555	-0.240503	0.252283	0.368663	-0.279711	0.541586
157	3381	1.826514	0.123424	-0.200032	0.118102	0.340255	-0.372393	0.453616
158	3402	1.717012	0.013902	-0.150157	-0.013237	0.312000	-0.457803	0.335856
159	3424	1.584911	-0.097964	-0.094452	-0.140747	0.280669	-0.535252	0.199989
160	3445	1.428727	-0.209065	-0.037372	-0.263553	0.242690	-0.605413	0.057942
161	3467	1.248786	-0.316712	0.016258	-0.381200	0.194822	-0.670212	-0.078949
162	3488	1.047476	-0.419046	0.061816	-0.493916	0.134805	-0.732465	-0.201163
163	3510	0.829228	-0.515296	0.095470	-0.602754	0.061827	-0.795323	-0.301812
164	3531	0.600232	-0.605832	0.114672	-0.709547	-0.023311	-0.861641	-0.377098
165	3553	0.367891	-0.692007	0.118497	-0.816679	-0.118354	-0.933373	-0.426393
166	3575	0.140095	-0.775823	0.107786	-0.926675	-0.220055	-1.011140	-0.451985
167	3596	-0.075577	-0.859463	0.085055	-1.041696	-0.324830	-1.094026	-0.458529
168	3618	-0.272640	-0.944782	0.054184	-1.162995	-0.429457	-1.179664	-0.452296
169	3639	-0.446334	-1.032862	0.019920	-1.290470	-0.531666	-1.264569	-0.440304
170	3661	-0.594051	-1.123681	-0.012730	-1.422368	-0.630479	-1.344678	-0.429415
171	3682	-0.715494	-1.215991	-0.039159	-1.555238	-0.726242	-1.415967	-0.425519
172	3704	-0.812580	-1.307406	-0.055758	-1.684145	-0.820323	-1.475053	-0.432878
173	3725	-0.889106	-1.394706	-0.060394	-1.803138	-0.914579	-1.519658	-0.453697
174	3747	-0.950261	-1.474302	-0.052692	-1.905924	-1.010681	-1.548876	-0.487991
175	3768	-1.002019	-1.542793	-0.034084	-1.986660	-1.109484	-1.563204	-0.533742
176	3790	-1.050521	-1.597514	-0.007625	-2.040753	-1.210564	-1.564351	-0.587319
177	3811	-1.101479	-1.636989	0.022398	-2.065547	-1.312034	-1.554882	-0.644107
178	3833	-1.159665	-1.661206	0.051026	-2.060815	-1.410691	-1.537774	-0.699227
179	3854	-1.228520	-1.671659	0.073258	-2.028940	-1.502457	-1.515958	-0.748245
180	3876	-1.309906	-1.671137	0.084693	-1.974772	-1.583027	-1.491932	-0.787758
181	3898	-1.404017	-1.663296	0.082079	-1.905145	-1.648602	-1.467486	-0.815754
182	3919	-1.509467	-1.652063	0.063717	-1.828105	-1.696561	-1.443564	-0.831710
183	3941	-1.623551	-1.640967	0.029660	-1.751941	-1.725923	-1.420247	-0.836417
184	3962	-1.742666	-1.632522	-0.018310	-1.684139	-1.737547	-1.396846	-0.831595
185	3984	-1.862849	-1.627732	-0.076915	-1.630410	-1.734001	-1.372054	-0.819370
186	4005	-1.980378	-1.625851	-0.141794	-1.593920	-1.719158	-1.344132	-0.801746
187	4027	-2.092343	-1.624405	-0.208033	-1.574864	-1.697573	-1.311104	-0.780159
188	4048	-2.197107	-1.619514	-0.270745	-1.570439	-1.673772	-1.270938	-0.755230
189	4069	-2.294543	-1.606465	-0.325618	-1.575261	-1.651557	-1.221723	-0.726728

Subject 9 left FFT

		Subject 9 0,0	Subject 9 36,0	Subject 9 72,0	Subject 9 36,16	Subject 9 36,48	Subject 9 36,80	Subject 9 36,112
0	0	-0.202213	-0.250246	-0.321569	-0.246543	-0.233190	-0.260956	-0.548797
1	22	-0.203423	-0.248964	-0.322518	-0.250154	-0.237398	-0.260265	-0.533017
2	43	-0.207384	-0.245694	-0.324657	-0.259857	-0.248587	-0.257914	-0.488117
3	65	-0.214905	-0.241960	-0.325971	-0.272512	-0.262776	-0.253132	-0.420947
4	86	-0.226747	-0.239682	-0.323474	-0.283639	-0.274359	-0.244849	-0.341473
5	108	-0.242935	-0.240410	-0.313706	-0.288357	-0.277369	-0.231964	-0.260882
6	129	-0.262118	-0.244537	-0.293305	-0.282378	-0.266806	-0.213591	-0.189453
7	151	-0.281186	-0.250697	-0.259578	-0.262811	-0.239686	-0.189251	-0.134596
8	172	-0.295310	-0.255529	-0.210968	-0.228614	-0.195585	-0.158914	-0.099435
9	194	-0.298454	-0.253882	-0.147352	-0.180584	-0.136552	-0.122918	-0.082191
10	215	-0.284283	-0.239473	-0.070136	-0.120931	-0.066449	-0.081765	-0.076508
11	237	-0.247298	-0.205883	0.017878	-0.052551	0.010092	-0.035865	-0.072656
12	258	-0.183946	-0.147721	0.112805	0.021788	0.088807	0.014679	-0.059397
13	280	-0.093464	-0.061726	0.210131	0.100130	0.166711	0.070180	-0.026173
14	301	0.021758	0.052407	0.305220	0.181679	0.242546	0.131295	0.034775
15	323	0.156382	0.191632	0.393803	0.266735	0.316640	0.198774	0.126759
16	345	0.302867	0.349678	0.472375	0.356193	0.390215	0.273061	0.247759
17	366	0.452613	0.517663	0.538454	0.450758	0.464348	0.353838	0.390483
18	388	0.597267	0.685111	0.590679	0.550064	0.538885	0.439616	0.543339
19	409	0.729933	0.841177	0.628737	0.651952	0.611635	0.527508	0.692179
20	431	0.846042	0.975886	0.653182	0.752122	0.678124	0.613257	0.822483
21	452	0.943734	1.081202	0.665157	0.844294	0.732037	0.691586	0.921607
22	474	1.023693	1.151763	0.666107	0.920910	0.766325	0.756816	0.980694
23	495	1.088521	1.185231	0.657513	0.974268	0.774732	0.803692	0.995922
24	517	1.141779	1.182235	0.640702	0.997871	0.753428	0.828245	0.968879
25	538	1.186954	1.145980	0.616742	0.987720	0.702309	0.828552	0.906021
26	560	1.226522	1.081634	0.586435	0.943273	0.625645	0.805198	0.817342
27	581	1.261331	0.995607	0.550379	0.867845	0.531817	0.761367	0.714513
28	603	1.290372	0.894846	0.509078	0.768349	0.432162	0.702478	0.608864
29	624	1.310978	0.786220	0.463058	0.654398	0.339085	0.635440	0.509584
30	646	1.319378	0.676050	0.412959	0.536927	0.263824	0.567625	0.422460
31	668	1.311474	0.569772	0.359578	0.426584	0.214329	0.505744	0.349395
32	689	1.283704	0.471738	0.303859	0.332204	0.193739	0.454835	0.288733
33	711	1.233811	0.385090	0.246829	0.259630	0.199782	0.417542	0.236302
34	732	1.161420	0.311708	0.189502	0.211085	0.225287	0.393824	0.186910
35	754	1.068324	0.252200	0.132777	0.185203	0.259700	0.381149	0.135941
36	775	0.958449	0.205936	0.077353	0.177652	0.291317	0.375126	0.080704
37	797	0.837528	0.171152	0.023686	0.182198	0.309758	0.370462	0.021205
38	818	0.712512	0.145138	-0.028010	0.191984	0.308145	0.362045	-0.039820
39	840	0.590809	0.124513	-0.077699	0.200750	0.284526	0.345957	-0.097628
40	861	0.479445	0.105601	-0.125438	0.203768	0.242232	0.320208	-0.146793
41	883	0.384233	0.084854	-0.171268	0.198347	0.189080	0.285077	-0.182805
42	904	0.309070	0.059276	-0.215114	0.183857	0.135606	0.242968	-0.203585
43	926	0.255435	0.026798	-0.256729	0.161327	0.092707	0.197861	-0.210502
44	947	0.222190	-0.013480	-0.295679	0.132776	0.069210	0.154427	-0.208645
45	969	0.205699	-0.061219	-0.331387	0.100449	0.069881	0.117028	-0.206180
46	991	0.200310	-0.114957	-0.363225	0.066167	0.094309	0.088772	-0.212898
47	1012	0.199125	-0.172408	-0.390635	0.030928	0.136895	0.070813	-0.238207
48	1034	0.194986	-0.230875	-0.413257	-0.005166	0.187913	0.062035	-0.288977
49	1055	0.181524	-0.287729	-0.431031	-0.042670	0.235429	0.059167	-0.367725
50	1077	0.154102	-0.340837	-0.444254	-0.082344	0.267625	0.057305	-0.471557
51	1098	0.110498	-0.388886	-0.453586	-0.124613	0.275048	0.050734	-0.592167
52	1120	0.051183	-0.431534	-0.459982	-0.169123	0.252307	0.033898	-0.716977
53	1141	-0.020876	-0.469362	-0.464578	-0.214503	0.198890	0.002337	-0.831242
54	1163	-0.100863	-0.503650	-0.468545	-0.258419	0.118966	-0.046566	-0.920756
55	1184	-0.183105	-0.536011	-0.472931	-0.297920	0.020276	-0.113167	-0.974608
56	1206	-0.262237	-0.567972	-0.478529	-0.330011	-0.087607	-0.195505	-0.987423
57	1227	-0.334300	-0.600571	-0.485782	-0.352311	-0.195236	-0.289615	-0.960585
58	1249	-0.397559	-0.634046	-0.494755	-0.363663	-0.295026	-0.390124	-0.902147
59	1270	-0.452856	-0.667689	-0.505157	-0.364537	-0.382418	-0.491017	-0.825359
60	1292	-0.503410	-0.699869	-0.516423	-0.357125	-0.456252	-0.586426	-0.746091
61	1314	-0.554085	-0.728242	-0.527827	-0.345104	-0.518340	-0.671326	-0.679592
62	1335	-0.610266	-0.750100	-0.538608	-0.333075	-0.572397	-0.742027	-0.637271
63	1357	-0.676557	-0.762802	-0.548078	-0.325808	-0.622635	-0.796424	-0.624124
64	1378	-0.755570	-0.764219	-0.555701	-0.327415	-0.672384	-0.833996	-0.637391
65	1400	-0.847066	-0.753124	-0.561118	-0.340622	-0.723059	-0.855597	-0.666753
66	1421	-0.947643	-0.729458	-0.564134	-0.366273	-0.773711	-0.863121	-0.696105
67	1443	-1.051046	-0.694431	-0.564649	-0.403174	-0.821229	-0.859108	-0.706597
68	1464	-1.149078	-0.650448	-0.562584	-0.448292	-0.861104	-0.846378	-0.680403
69	1486	-1.232932	-0.600860	-0.557787	-0.497275	-0.888547	-0.827739	-0.604481
70	1507	-1.294713	-0.549581	-0.549971	-0.545204	-0.899661	-0.805793	-0.473608
71	1529	-1.328842	-0.500618	-0.538682	-0.587413	-0.892399	-0.782833	-0.292046
72	1550	-1.333083	-0.457592	-0.523320	-0.620248	-0.867077	-0.760800	-0.073496
73	1572	-1.308984	-0.423300	-0.503202	-0.641616	-0.826361	-0.741281	0.160725
74	1593	-1.261654	-0.399397	-0.477665	-0.651235	-0.774755	-0.725495	0.384991
75	1615	-1.198906	-0.386242	-0.446196	-0.650563	-0.717757	-0.714266	0.573588
76	1637	-1.129951	-0.382920	-0.408548	-0.642424	-0.660898	-0.707980	0.705113
77	1658	-1.063881	-0.387450	-0.364851	-0.630435	-0.608892	-0.706540	0.766249
78	1680	-1.008228	-0.397148	-0.315664	-0.618352	-0.565095	-0.709359	0.754238
79	1701	-0.967882	-0.409077	-0.261990	-0.609474	-0.531347	-0.715410	0.677603
80	1723	-0.944552	-0.420532	-0.205222	-0.606225	-0.508177	-0.723354	0.554956
81	1744	-0.936851	-0.429476	-0.147046	-0.609984	-0.495266	-0.731746	0.412081
82	1766	-0.940978	-0.434853	-0.089306	-0.621195	-0.491971	-0.739286	0.277779
83	1787	-0.951827	-0.436740	-0.033845	-0.639697	-0.497758	-0.745070	0.179150
84	1809	-0.964290	-0.436304	0.017651	-0.665192	-0.512383	-0.748791	0.137109
85	1830	-0.974477	-0.435575	0.063787	-0.697707	-0.535784	-0.750825	0.162857
86	1852	-0.980601	-0.437079	0.103563	-0.737926	-0.567739	-0.752172	0.255910
87	1873	-0.983354	-0.443380	0.136440	-0.787287	-0.607387	-0.754236	0.403971
88	1895	-0.985692	-0.456624	0.162352	-0.847766	-0.652825	-0.758481	0.584686
89	1916	-0.992081	-0.478145	0.181685	-0.921374	-0.700908	-0.766010	0.768995
90	1938	-1.007375	-0.508198	0.195218	-1.009451	-0.747398	-0.777163	0.925534
91	1960	-1.035552	-0.545869	0.204037	-1.111876	-0.787449	-0.791209	1.025405
92	1981	-1.078593	-0.589149	0.209438	-1.226382	-0.816375	-0.806218	1.046565
93	2003	-1.135742	-0.635171	0.212819	-1.348143	-0.830521	-0.819159	0.977156
94	2024	-1.203317	-0.680553	0.215577	-1.469771	-0.828023	-0.826231	0.817277
95	2046	-1.275136	-0.721789	0.219003	-1.581784	-0.809270	-0.823376	0.578940
96	2067	-1.343483	-0.755626	0.224196	-1.673534	-0.776907	-0.806907	0.284231
97	2089	-1.400437	-0.779376	0.231987	-1.734475	-0.735362	-0.774131	-0.037992
98	2110	-1.439290	-0.791121	0.242877	-1.755590	-0.689960	-0.723848	-0.356364
99	2132	-1.455781	-0.789803	0.257005	-1.730735	-0.645810	-0.656645	-0.641529
100	2153	-1.448873	-0.775200	0.274134	-1.657670	-0.606713	-0.574898	-0.870226
101	2175	-1.420920	-0.747822	0.293674	-1.538576	-0.574325	-0.482497	-1.028286
102	2196	-1.377168	-0.708738	0.314735	-1.379943	-0.547787	-0.384311	-1.112116
103	2218	-1.324685	-0.659403	0.336212	-1.191816	-0.523899	-0.285506	-1.128456
104	2239	-1.270933	-0.601476	0.356899	-0.986502	-0.497824	-0.190811	-1.092513
105	2261	-1.222276	-0.536674	0.375620	-0.776941	-0.464151	-0.103873	-1.024805
106	2283	-1.182730	-0.466655	0.391361	-0.574992	-0.418102	-0.026812	-0.947313
107	2304	-1.153214	-0.392937	0.403391	-0.389925	-0.356615	0.039966	-0.879579
108	2326	-1.131474	-0.316838	0.411361	-0.227358	-0.279051	0.097659	-0.835437
109	2347	-1.112684	-0.239438	0.415345	-0.088811	-0.187410	0.148698	-0.820907
110	2369	-1.090612	-0.161559	0.415839	0.028071	-0.085991	0.196194	-0.833579
111	2390	-1.059084	-0.083762	0.413700	0.128680	0.019391	0.243299	-0.863539
112	2412	-1.013444	-0.006370	0.410027	0.220150	0.122448	0.292603	-0.895621
113	2433	-0.951666	0.070478	0.406010	0.309868	0.217492	0.345668	-0.912524
114	2455	-0.874883	0.146743	0.402754	0.404026	0.300296	0.402758	-0.898213
115	2476	-0.787187	0.222365	0.401106	0.506501	0.368579	0.462821	-0.840976
116	2498	-0.694744	0.297145	0.401513	0.618208	0.422039	0.523685	-0.735596
117	2519	-0.604390	0.370628	0.403928	0.737044	0.461980	0.582435	-0.584292
118	2541	-0.522027	0.442038	0.407773	0.858387	0.490659	0.635897	-0.396294
119	2562	-0.451153	0.510273	0.411979	0.976037	0.510557	0.681135	-0.186215
120	2584	-0.391881	0.574002	0.415090	1.083403	0.523761	0.715903	0.028469
121	2606	-0.340657	0.631841	0.415422	1.174720	0.531622	0.738980	0.230308
122	2627	-0.290789	0.682610	0.411250	1.246073	0.534755	0.750362	0.404638
123	2649	-0.233671	0.725622	0.401011	1.296064	0.533367	0.751303	0.541721
124	2670	-0.160485	0.760961	0.383489	1.326024	0.527786	0.744214	0.637952
125	2692	-0.064011	0.789683	0.357958	1.339774	0.519044	0.732456	0.695987
126	2713	0.059820	0.813883	0.324275	1.342987	0.509316	0.720041	0.723857
127	2735	0.210974	0.836607	0.282907	1.342311	0.502088	0.711298	0.733304
128	2756	0.385151	0.861577	0.234899	1.344383	0.501974	0.710504	0.737669
129	2778	0.574476	0.892757	0.181785	1.354934	0.514208	0.721519	0.749719
130	2799	0.768870	0.933822	0.125460	1.378096	0.543911	0.747440	0.779771
131	2821	0.957852	0.987585	0.068034	1.415997	0.595275	0.790294	0.834340
132	2842	1.132386	1.055490	0.011676	1.468688	0.670865	0.850793	0.915485
133	2864	1.286399	1.137254	-0.041517	1.534352	0.771149	0.928183	1.020832
134	2885	1.417690	1.230723	-0.089642	1.609741	0.894362	1.020210	1.144204
135	2907	1.528069	1.331995	-0.131067	1.690729	1.036698	1.123224	1.276671
136	2929	1.622730	1.435799	-0.164494	1.772886	1.192767	1.232429	1.407854
137	2950	1.709049	1.536081	-0.188983	1.851979	1.356190	1.342275	1.527256
138	2972	1.795076	1.626736	-0.203968	1.924343	1.520216	1.446945	1.625486
139	2993	1.888067	1.702353	-0.209263	1.987075	1.678223	1.540895	1.695237
140	3015	1.993347	1.758864	-0.205061	2.038073	1.824074	1.619373	1.731941
141	3036	2.113710	1.794000	-0.191929	2.075927	1.952293	1.678844	1.734067
142	3058	2.249414	1.807454	-0.170813	2.099725	2.058137	1.717260	1.703043
143	3079	2.398685	1.800743	-0.143020	2.108828	2.137641	1.734138	1.642830
144	3101	2.558524	1.776774	-0.110194	2.102650	2.187709	1.730423	1.559192
145	3122	2.725573	1.739189	-0.074263	2.080518	2.206306	1.708183	1.458757
146	3144	2.896768	1.691612	-0.037357	2.041619	2.192729	1.670169	1.347963
147	3165	3.069624	1.636920	-0.001694	1.985052	2.147905	1.619342	1.232055
148	3187	3.242099	1.576688	0.030567	1.909987	2.074578	1.558427	1.114266
149	3208	3.412108	1.510908	0.057495	1.815896	1.977295	1.489594	0.995348
150	3230	3.576882	1.438052	0.077552	1.702828	1.862084	1.414297	0.873541
151	3252	3.732409	1.355479	0.089760	1.571676	1.735811	1.333300	0.745032
152	3273	3.873171	1.260124	0.093814	1.424385	1.605271	1.246861	0.604859
153	3295	3.992340	1.149351	0.090152	1.264061	1.476187	1.155030	0.448131
154	3316	4.082443	1.021813	0.079950	1.094937	1.352304	1.057981	0.271349
155	3338	4.136383	0.878142	0.065037	0.922182	1.234797	0.956296	0.073605
156	3359	4.148603	0.721335	0.047733	0.751569	1.122188	0.851145	-0.142602
157	3381	4.116100	0.556718	0.030624	0.589001	1.010817	0.744310	-0.371105
158	3402	4.039038	0.391475	0.016292	0.439982	0.895842	0.638041	-0.602465
159	3424	3.920771	0.233770	0.007029	0.309064	0.772581	0.534779	-0.824992
160	3445	3.767246	0.091600	0.004568	0.199370	0.637903	0.436788	-1.026242
161	3467	3.585897	-0.028439	0.009867	0.112239	0.491377	0.345787	-1.194764
162	3488	3.384265	-0.122270	0.022966	0.047065	0.335861	0.262620	-1.321791
163	3510	3.168683	-0.189132	0.042941	0.001334	0.177357	0.187076	-1.402596
164	3531	2.943327	-0.231899	0.067970	-0.029119	0.024100	0.117844	-1.437279
165	3553	2.709877	-0.256830	0.095486	-0.049679	-0.114983	0.052661	-1.430840
166	3575	2.467872	-0.272776	0.122435	-0.066408	-0.232148	-0.011407	-1.392542
167	3596	2.215677	-0.289929	0.145575	-0.085442	-0.322649	-0.077571	-1.334641
168	3618	1.951817	-0.318314	0.161809	-0.112429	-0.386082	-0.148892	-1.270707
169	3639	1.676345	-0.366240	0.168504	-0.152053	-0.426943	-0.227869	-1.213755
170	3661	1.391860	-0.438979	0.163761	-0.207708	-0.454203	-0.316126	-1.174489
171	3682	1.103898	-0.537876	0.146608	-0.281339	-0.479937	-0.414203	-1.159865
172	3704	0.820544	-0.660051	0.117092	-0.373443	-0.517239	-0.521517	-1.172173
173	3725	0.551285	-0.798743	0.076267	-0.483222	-0.577806	-0.636445	-1.208730
174	3747	0.305363	-0.944261	0.026079	-0.608820	-0.669670	-0.756540	-1.262220
175	3768	0.089948	-1.085392	-0.030843	-0.747627	-0.795556	-0.878833	-1.321621
176	3790	-0.091417	-1.211045	-0.091452	-0.896574	-0.952186	-1.000171	-1.373619
177	3811	-0.239747	-1.311876	-0.152582	-1.052417	-1.130718	-1.117546	-1.404346
178	3833	-0.360669	-1.381638	-0.211247	-1.211954	-1.318233	-1.228395	-1.401245
179	3854	-0.463549	-1.418053	-0.264904	-1.372195	-1.500000	-1.330801	-1.354859
180	3876	-0.559851	-1.423059	-0.311654	-1.530465	-1.662070	-1.423618	-1.260296
181	3898	-0.661071	-1.402419	-0.350368	-1.684469	-1.793710	-1.506481	-1.118184
182	3919	-0.776664	-1.364751	-0.380725	-1.832314	-1.889197	-1.579715	-0.934921
183	3941	-0.912416	-1.320146	-0.403165	-1.972504	-1.948643	-1.644173	-0.722125
184	3962	-1.069603	-1.278602	-0.418767	-2.103913	-1.977710	-1.701002	-0.495281
185	3984	-1.245104	-1.248510	-0.429077	-2.225733	-1.986315	-1.751397	-0.271714
186	4005	-1.432426	-1.235447	-0.435893	-2.337399	-1.986580	-1.796358	-0.068124
187	4027	-1.623390	-1.241433	-0.441054	-2.438488	-1.990477	-1.836496	0.101942
188	4048	-1.810090	-1.264776	-0.446234	-2.528596	-2.007594	-1.871910	0.230270
189	4070	-1.986688	-1.300492	-0.452776	-2.607214	-2.043464	-1.902158	0.315388
190	4091	-2.150622	-1.341228	-0.461570	-2.673600	-2.098717	-1.926332	0.362897
191	4113	-2.302985	-1.378519	-0.472988	-2.726692	-2.169174	-1.943214	0.384557
192	4134	-2.447985	-1.404171	-0.486878	-2.765062	-2.246783	-1.951494	0.396204
193	4156	-2.591638	-1.411543	-0.502600	-2.786940	-2.321183	-1.950021	0.414795
194	4177	-2.739998	-1.396543	-0.519121	-2.790314	-2.381536	-1.938023	0.455087
195	4199	-2.897344	-1.358177	-0.535120	-2.773101	-2.418283	-1.915275	0.526572
196	4221	-3.064738	-1.298593	-0.549129	-2.733372	-2.424516	-1.882166	0.631267
197	4242	-3.239309	-1.222634	-0.559667	-2.669608	-2.396770	-1.839654	0.762876
198	4264	-3.414424	-1.136979	-0.565367	-2.580955	-2.335157	-1.789116	0.907550
199	4285	-3.580739	-1.049053	-0.565087	-2.467438	-2.242921	-1.732116	1.046185
200	4307	-3.727902	-0.965856	-0.557995	-2.330104	-2.125577	-1.670124	1.157886
201	4328	-3.846580	-0.892924	-0.543620	-2.171078	-1.989837	-1.604255	1.223933
202	4350	-3.930352	-0.833573	-0.521879	-1.993506	-1.842554	-1.535067	1.231488
203	4371	-3.977109	-0.788522	-0.493061	-1.801397	-1.689850	-1.462467	1.176280
204	4393	-3.989638	-0.755949	-0.457793	-1.599378	-1.536533	-1.385738	1.063673
205	4414	-3.975281	-0.731935	-0.416976	-1.392377	-1.385831	-1.303704	0.907865
206	4436	-3.944735	-0.711215	-0.371702	-1.185287	-1.239406	-1.214987	0.729336
207	4457	-3.910212	-0.688096	-0.323167	-0.982612	-1.097565	-1.118330	0.551011
208	4479	-3.883327	-0.657381	-0.272573	-0.788174	-0.959591	-1.012912	0.393910
209	4500	-3.873117	-0.615178	-0.221042	-0.604874	-0.824116	-0.898607	0.273169
210	4522	-3.884544	-0.559439	-0.169541	-0.434548	-0.689479	-0.776136	0.195253
211	4544	-3.917761	-0.490203	-0.118824	-0.277930	-0.554066	-0.647086	0.156939
212	4565	-3.968251	-0.409497	-0.069400	-0.134715	-0.416615	-0.513779	0.146297
213	4587	-4.027775	-0.320946	-0.021532	-0.003722	-0.276485	-0.379037	0.145461
214	4608	-4.085929	-0.229167	0.024746	0.116872	-0.133887	-0.245852	0.134623
215	4630	-4.131991	-0.139069	0.069583	0.229257	0.009968	-0.117051	0.096405
216	4651	-4.156720	-0.055143	0.113243	0.335695	0.152836	0.005019	0.019702
217	4673	-4.153747	0.019126	0.156039	0.438262	0.291571	0.118720	-0.097806
218	4694	-4.120354	0.081666	0.198249	0.538630	0.422455	0.223230	-0.248991
219	4716	-4.057503	0.132000	0.240054	0.637942	0.541692	0.318537	-0.418585
220	4737	-3.969158	0.171191	0.281482	0.736758	0.646040	0.405313	-0.586169
221	4759	-3.861063	0.201592	0.322378	0.835102	0.733459	0.484706	-0.730198
222	4780	-3.739253	0.226442	0.362402	0.932568	0.803651	0.558096	-0.832217
223	4802	-3.608586	0.249385	0.401044	1.028472	0.858356	0.626847	-0.880383
224	4823	-3.471606	0.273980	0.437676	1.122026	0.901319	0.692112	-0.871591
225	4845	-3.327953	0.303264	0.471608	1.212478	0.937870	0.754699	-0.811789
226	4867	-3.174433	0.339421	0.502160	1.299222	0.974165	0.815028	-0.714471
227	4888	-3.005725	0.383574	0.528735	1.381839	1.016213	0.873155	-0.597705
228	4910	-2.815588	0.435722	0.550878	1.460073	1.068846	0.928865	-0.480378
229	4931	-2.598309	0.494816	0.568324	1.533761	1.134856	0.981782	-0.378437
230	4953	-2.350125	0.558929	0.581019	1.602719	1.214464	1.031498	-0.301941
231	4974	-2.070317	0.625519	0.589116	1.666633	1.305247	1.077666	-0.253480
232	4996	-1.761756	0.691724	0.592955	1.724966	1.402553	1.120067	-0.228267
233	5017	-1.430789	0.754663	0.593011	1.776907	1.500330	1.158623	-0.215807
234	5039	-1.086473	0.811708	0.589840	1.821389	1.592207	1.193388	-0.202732
235	5060	-0.739290	0.860701	0.584010	1.857157	1.672607	1.224500	-0.176162
236	5082	-0.399591	0.900098	0.576044	1.882888	1.737677	1.252132	-0.126854
237	5103	-0.076042	0.929026	0.566366	1.897341	1.785829	1.276453	-0.051475
238	5125	0.225620	0.947272	0.555266	1.899511	1.817818	1.297604	0.046476
239	5146	0.503304	0.955200	0.542891	1.888760	1.836338	1.315690	0.157254
240	5168	0.758625	0.953621	0.529241	1.864907	1.845252	1.330806	0.266819
241	5190	0.996317	0.943653	0.514204	1.828267	1.848642	1.343052	0.359719
242	5211	1.223115	0.926570	0.497587	1.779630	1.849889	1.352558	0.422291
243	5233	1.446355	0.903688	0.479165	1.720205	1.850992	1.359493	0.445518
244	5254	1.672545	0.876273	0.458727	1.651519	1.852268	1.364040	0.426955
245	5276	1.906200	0.845501	0.436119	1.575313	1.852470	1.366361	0.371340
246	5297	2.149138	0.812437	0.411276	1.493437	1.849277	1.366546	0.289783
247	5319	2.400347	0.778043	0.384239	1.407759	1.840023	1.364545	0.197694
248	5340	2.656402	0.743178	0.355159	1.320094	1.822459	1.360137	0.111879
249	5362	2.912313	0.708596	0.324286	1.232159	1.795381	1.352904	0.047365
250	5383	3.162585	0.674919	0.291946	1.145528	1.758949	1.342264	0.014584
251	5405	3.402260	0.642587	0.258514	1.061600	1.714661	1.327535	0.017455
252	5426	3.627721	0.611804	0.224376	0.981560	1.664969	1.308030	0.052717
253	5448	3.837113	0.582497	0.189902	0.906326	1.612665	1.283180	0.110646
254	5469	4.030345	0.554298	0.155419	0.836494	1.560194	1.252640	0.176995
255	5491	4.208723	0.526579	0.121193	0.772282	1.509060	1.216372	0.235791
256	5513	4.374356	0.498546	0.087423	0.713486	1.459477	1.174670	0.272443
257	5534	4.529522	0.469385	0.054237	0.659459	1.410344	1.128129	0.276573
258	5556	4.676153	0.438439	0.021708	0.609143	1.359540	1.077553	0.244029
259	5577	4.815572	0.405394	-0.010134	0.561142	1.304459	1.023807	0.177703
260	5599	4.948510	0.370425	-0.041285	0.513847	1.242645	0.967657	0.086992
261	5620	5.075352	0.334278	-0.071743	0.465611	1.172370	0.909620	-0.013984
262	5642	5.196483	0.298243	-0.101494	0.414944	1.093017	0.849848	-0.109082
263	5663	5.312576	0.264035	-0.130495	0.360714	1.005184	0.788097	-0.183219
264	5685	5.424680	0.233575	-0.158667	0.302311	0.910485	0.723766	-0.225264
265	5706	5.534022	0.208709	-0.185887	0.239770	0.811130	0.656024	-0.230164
266	5728	5.641526	0.190919	-0.211996	0.173801	0.709382	0.583995	-0.199890
267	5749	5.747157	0.181068	-0.236798	0.105742	0.607047	0.506978	-0.143018
268	5771	5.849260	0.179245	-0.260071	0.037410	0.505107	0.424640	-0.073008
269	5792	5.944103	0.184722	-0.281585	-0.029111	0.403605	0.337171	-0.005514
270	5814	6.025803	0.196061	-0.301109	-0.091743	0.301774	0.245345	0.044754
271	5835	6.086740	0.211327	-0.318430	-0.148681	0.198380	0.150484	0.066989
272	5857	6.118441	0.228398	-0.333364	-0.198647	0.092170	0.054321	0.056494
273	5879	6.112801	0.245292	-0.345770	-0.241063	-0.017694	-0.041208	0.015665
274	5900	6.063395	0.260467	-0.355558	-0.276129	-0.131331	-0.134209	-0.046445
275	5922	5.966598	0.273030	-0.362694	-0.304790	-0.248052	-0.223073	-0.115911
276	5943	5.822229	0.282825	-0.367201	-0.328585	-0.366479	-0.306660	-0.176725
277	5965	5.633537	0.290377	-0.369155	-0.349407	-0.484853	-0.384405	-0.214029
278	5986	5.406477	0.296718	-0.368676	-0.369215	-0.601422	-0.456312	-0.217145
279	6008	5.148395	0.303120	-0.365918	-0.389720	-0.714808	-0.522864	-0.181775
280	6029	4.866375	0.310798	-0.361052	-0.412134	-0.824234	-0.584839	-0.110921
281	6051	4.565619	0.320634	-0.354256	-0.436978	-0.929569	-0.643100	-0.014327
282	6072	4.248223	0.332975	-0.345692	-0.464029	-1.031165	-0.698384	0.093449
283	6094	3.912672	0.347542	-0.335505	-0.492371	-1.129542	-0.751129	0.195950
284	6115	3.554215	0.363459	-0.323810	-0.520579	-1.225020	-0.801386	0.278116
285	6137	3.166103	0.379393	-0.310693	-0.546979	-1.317402	-0.848802	0.329290
286	6158	2.741457	0.393770	-0.296220	-0.569950	-1.405818	-0.892702	0.345307
287	6180	2.275414	0.405033	-0.280443	-0.588223	-1.488772	-0.932219	0.329256
288	6202	1.767077	0.411879	-0.263422	-0.601105	-1.564413	-0.966482	0.290735
289	6223	1.220834	0.413445	-0.245237	-0.608617	-1.630939	-0.994674	0.243786
290	6245	0.646735	0.409403	-0.226007	-0.611504	-1.687058	-1.016355	0.203943
291	6266	0.059768	0.399962	-0.205906	-0.611118	-1.732362	-1.031330	0.185004
292	6288	-0.521856	0.385778	-0.185165	-0.609209	-1.767506	-1.039755	0.196212
293	6309	-1.079125	0.367792	-0.164073	-0.607651	-1.794138	-1.042066	0.240420
294	6331	-1.594896	0.347032	-0.142970	-0.608146	-1.814570	-1.038892	0.313602
295	6352	-2.056309	0.324414	-0.122225	-0.611969	-1.831263	-1.030957	0.405799
296	6374	-2.456475	0.300577	-0.102213	-0.619784	-1.846247	-1.018991	0.503254
297	6395	-2.795134	0.275768	-0.083291	-0.631551	-1.860610	-1.003670	0.591280
298	6417	-3.078153	0.249806	-0.065765	-0.646555	-1.874194	-0.985587	0.657234
299	6438	-3.316010	0.222116	-0.049866	-0.663523	-1.885577	-0.965251	0.692974
300	6460	-3.521570	0.191823	-0.035736	-0.680811	-1.892358	-0.943116	0.696293
301	6481	-3.707621	0.157901	-0.023416	-0.696641	-1.891675	-0.919592	0.671068
302	6503	-3.884648	0.119339	-0.012847	-0.709325	-1.880854	-0.895062	0.626128
303	6525	-4.059262	0.075310	-0.003888	-0.717468	-1.858016	-0.869865	0.573136
304	6546	-4.233559	0.025314	0.003671	-0.720110	-1.822505	-0.844257	0.523961
305	6568	-4.405445	-0.030722	0.010074	-0.716801	-1.775040	-0.818366	0.488124
306	6589	-4.569799	-0.092405	0.015572	-0.707611	-1.717539	-0.792139	0.470866
307	6611	-4.720153	-0.158898	0.020393	-0.693080	-1.652676	-0.765321	0.472218
308	6632	-4.850474	-0.229011	0.024721	-0.674127	-1.583278	-0.737460	0.487237
309	6654	-4.956672	-0.301350	0.028675	-0.651934	-1.511714	-0.707969	0.507311
310	6675	-5.037498	-0.374498	0.032306	-0.627834	-1.439440	-0.676229	0.522195
311	6697	-5.094700	-0.447213	0.035602	-0.603190	-1.366802	-0.641720	0.522310
312	6718	-5.132436	-0.518607	0.038500	-0.579304	-1.293160	-0.604168	0.500797
313	6740	-5.156160	-0.588283	0.040909	-0.557343	-1.217285	-0.563667	0.454874
314	6761	-5.171262	-0.656390	0.042736	-0.538279	-1.137924	-0.520756	0.386249
315	6783	-5.181811	-0.723594	0.043909	-0.522855	-1.054370	-0.476420	0.300521
316	6804	-5.189697	-0.790948	0.044402	-0.511568	-0.966873	-0.432022	0.205763
317	6826	-5.194360	-0.859679	0.044251	-0.504668	-0.876766	-0.389153	0.110620
318	6848	-5.193148	-0.930912	0.043556	-0.502165	-0.786241	-0.349425	0.022382
319	6869	-5.182188	-1.005385	0.042479	-0.503861	-0.697817	-0.314243	-0.054554
320	6891	-5.157541	-1.083182	0.041227	-0.509381	-0.613628	-0.284587	-0.119497
321	6912	-5.116360	-1.163555	0.040030	-0.518220	-0.534697	-0.260841	-0.175383

Subject 10 left FFT

		Subject 10 0,0	Subject 10 36,0	Subject 10 72,0	Subject 10 36,16	Subject 10 36,48	Subject 10 36,80	Subject 10 36,112
0	0	-0.129499	-0.292473	-0.286899	-0.130294	-0.126047	-0.164936	-0.311248
1	22	-0.140206	-0.285488	-0.287620	-0.144075	-0.140007	-0.172474	-0.296985
2	43	-0.170398	-0.266110	-0.288870	-0.182101	-0.178184	-0.193217	-0.256558
3	65	-0.214556	-0.238652	-0.288087	-0.235071	-0.230259	-0.221887	-0.196573
4	86	-0.264360	-0.209001	-0.281533	-0.289510	-0.281509	-0.250740	-0.126563
5	108	-0.309867	-0.183009	-0.265002	-0.330375	-0.315945	-0.270938	-0.057086
6	129	-0.340919	-0.164830	-0.234622	-0.343951	-0.319693	-0.274106	0.002349
7	151	-0.348581	-0.155624	-0.187619	-0.320441	-0.283889	-0.253803	0.045120
8	172	-0.326394	-0.152969	-0.122914	-0.255780	-0.206487	-0.206630	0.068702
9	194	-0.271267	-0.151145	-0.041438	-0.152336	-0.092609	-0.132813	0.075018
10	215	-0.183881	-0.142245	0.053878	-0.018394	0.046560	-0.036157	0.069867
11	237	-0.068541	-0.117907	0.158434	0.133401	0.196070	0.076591	0.061556
12	258	0.067475	-0.071234	0.266557	0.288327	0.340123	0.196827	0.059053
13	280	0.214994	0.001493	0.372250	0.432085	0.464974	0.315431	0.070050
14	301	0.364245	0.099745	0.469978	0.553060	0.561189	0.424108	0.099343
15	323	0.506198	0.218559	0.555344	0.643918	0.624835	0.516504	0.147896
16	345	0.633712	0.349297	0.625553	0.702302	0.657423	0.588920	0.212759
17	366	0.742330	0.481212	0.679599	0.730584	0.664745	0.640545	0.287844
18	388	0.830591	0.603462	0.718145	0.734803	0.654968	0.673186	0.365386
19	409	0.899847	0.707148	0.743144	0.723100	0.636503	0.690609	0.437736
20	431	0.953616	0.786928	0.757270	0.703998	0.616178	0.697630	0.499074
21	452	0.996626	0.841845	0.763274	0.684879	0.598103	0.699139	0.546651
22	474	1.033720	0.875207	0.763385	0.670934	0.583449	0.699237	0.581252
23	495	1.068838	0.893537	0.758858	0.664714	0.571047	0.700625	0.606775
24	517	1.104241	0.904849	0.749750	0.666284	0.558581	0.704327	0.628997
25	538	1.140128	0.916618	0.734959	0.673834	0.543936	0.709756	0.653814
26	560	1.174678	0.933916	0.712504	0.684555	0.526299	0.715081	0.685344
27	581	1.204502	0.958107	0.679997	0.695509	0.506684	0.717776	0.724372
28	603	1.225386	0.986392	0.635218	0.704326	0.487738	0.715259	0.767508
29	624	1.233173	1.012299	0.576674	0.709557	0.472894	0.705459	0.807330
30	646	1.224602	1.027015	0.504059	0.710679	0.465147	0.687239	0.833545
31	668	1.197949	1.021262	0.418516	0.707789	0.465819	0.660599	0.834979
32	689	1.153339	0.987323	0.322665	0.701118	0.473718	0.626630	0.802009
33	711	1.092707	0.920802	0.220388	0.690525	0.484955	0.587275	0.728934
34	732	1.019415	0.821746	0.116389	0.675118	0.493558	0.544932	0.615749
35	754	0.937631	0.694918	0.015632	0.653113	0.492745	0.501993	0.468899
36	775	0.851597	0.549178	-0.077297	0.621973	0.476573	0.460416	0.300762
37	797	0.764940	0.396105	-0.158768	0.578815	0.441540	0.421392	0.127888
38	818	0.680160	0.248151	-0.226559	0.520996	0.387723	0.385177	-0.031737
39	840	0.598372	0.116673	-0.280114	0.446760	0.319113	0.351093	-0.161897
40	861	0.519355	0.010227	-0.320561	0.355817	0.243024	0.317706	-0.251224
41	883	0.441855	-0.066608	-0.350503	0.249732	0.168673	0.283127	-0.295497
42	904	0.364078	-0.113681	-0.373610	0.132039	0.105223	0.245382	-0.298691
43	926	0.284259	-0.134983	-0.394079	0.008042	0.059759	0.202780	-0.272497
44	947	0.201173	-0.137738	-0.416032	-0.115676	0.035648	0.154211	-0.234345
45	969	0.114511	-0.131062	-0.442950	-0.231981	0.031704	0.099337	-0.204243
46	991	0.025032	-0.124487	-0.477202	-0.334036	0.042346	0.038628	-0.201004
47	1012	-0.065520	-0.126575	-0.519745	-0.416157	0.058736	-0.026742	-0.238557
48	1034	-0.154711	-0.143846	-0.570015	-0.474534	0.070640	-0.095109	-0.323041
49	1055	-0.239853	-0.180131	-0.626028	-0.507710	0.068585	-0.164604	-0.451262
50	1077	-0.318495	-0.236385	-0.684659	-0.516741	0.045811	-0.233461	-0.610821
51	1098	-0.388880	-0.310897	-0.742056	-0.504997	-0.000403	-0.300257	-0.781942
52	1120	-0.450277	-0.399799	-0.794145	-0.477635	-0.068343	-0.364080	-0.940684
53	1141	-0.503129	-0.497745	-0.837135	-0.440827	-0.152450	-0.424571	-1.062983
54	1163	-0.549010	-0.598636	-0.867976	-0.400857	-0.244712	-0.481851	-1.128802
55	1184	-0.590387	-0.696301	-0.884710	-0.363252	-0.336517	-0.536356	-1.125646
56	1206	-0.630236	-0.785082	-0.886670	-0.332080	-0.420504	-0.588614	-1.050833
57	1227	-0.671587	-0.860301	-0.874522	-0.309556	-0.491970	-0.639026	-0.912110
58	1249	-0.717055	-0.918614	-0.850136	-0.296006	-0.549526	-0.687689	-0.726549
59	1270	-0.768444	-0.958243	-0.816329	-0.290205	-0.594884	-0.734304	-0.517910
60	1292	-0.826471	-0.979113	-0.776495	-0.289992	-0.631888	-0.778175	-0.312977
61	1314	-0.890652	-0.982855	-0.734192	-0.293051	-0.665060	-0.818316	-0.137490
62	1335	-0.959350	-0.972676	-0.692728	-0.297665	-0.698091	-0.853617	-0.012388
63	1357	-1.029987	-0.953075	-0.654796	-0.303284	-0.732661	-0.883041	0.049052
64	1378	-1.099362	-0.929392	-0.622203	-0.310776	-0.767901	-0.905820	0.042739
65	1400	-1.164051	-0.907225	-0.595717	-0.322290	-0.800623	-0.921590	-0.026210
66	1421	-1.220806	-0.891779	-0.575052	-0.340756	-0.826249	-0.930466	-0.144858
67	1443	-1.266928	-0.887203	-0.558976	-0.369141	-0.840168	-0.933021	-0.294910
68	1464	-1.300545	-0.896046	-0.545528	-0.409608	-0.839154	-0.930211	-0.455775
69	1486	-1.320791	-0.918903	-0.532309	-0.462795	-0.822469	-0.923240	-0.607667
70	1507	-1.327865	-0.954340	-0.516820	-0.527382	-0.792328	-0.913411	-0.734262
71	1529	-1.322973	-0.999104	-0.496780	-0.600066	-0.753624	-0.901986	-0.824510
72	1550	-1.308182	-1.048617	-0.470416	-0.675975	-0.712952	-0.890070	-0.873441
73	1572	-1.286202	-1.097658	-0.436665	-0.749438	-0.677181	-0.878545	-0.881945
74	1593	-1.260131	-1.141129	-0.395287	-0.814987	-0.651952	-0.868031	-0.855725
75	1615	-1.233194	-1.174774	-0.346870	-0.868346	-0.640460	-0.858876	-0.803711
76	1637	-1.208471	-1.195724	-0.292732	-0.907230	-0.642857	-0.851169	-0.736295
77	1658	-1.188670	-1.202784	-0.234742	-0.931763	-0.656389	-0.844746	-0.663702
78	1680	-1.175907	-1.196429	-0.175075	-0.944435	-0.676259	-0.839208	-0.594754
79	1701	-1.171541	-1.178511	-0.115940	-0.949611	-0.696957	-0.833937	-0.536136
80	1723	-1.176047	-1.151773	-0.059315	-0.952691	-0.713724	-0.828133	-0.492178
81	1744	-1.188946	-1.119249	-0.006709	-0.959109	-0.723757	-0.820875	-0.465041
82	1766	-1.208813	-1.083693	0.041003	-0.973385	-0.726846	-0.811218	-0.455125
83	1787	-1.233366	-1.047123	0.083671	-0.998402	-0.725280	-0.798322	-0.461540
84	1809	-1.259646	-1.010575	0.121869	-1.035057	-0.723052	-0.781600	-0.482459
85	1830	-1.284284	-0.974074	0.156797	-1.082314	-0.724575	-0.760859	-0.515279
86	1852	-1.303851	-0.936823	0.190110	-1.137610	-0.733272	-0.736399	-0.556592
87	1873	-1.315228	-0.897532	0.223686	-1.197489	-0.750407	-0.709042	-0.602034
88	1895	-1.315975	-0.854818	0.259358	-1.258276	-0.774487	-0.680072	-0.646147
89	1916	-1.304636	-0.807569	0.298646	-1.316648	-0.801415	-0.651068	-0.682397
90	1938	-1.280912	-0.755211	0.342521	-1.369948	-0.825356	-0.623657	-0.703481
91	1960	-1.245688	-0.697823	0.391229	-1.416207	-0.840107	-0.599215	-0.701963
92	1981	-1.200877	-0.636087	0.444200	-1.453905	-0.840620	-0.578580	-0.671231
93	2003	-1.149108	-0.571112	0.500050	-1.481561	-0.824262	-0.561809	-0.606648
94	2024	-1.093293	-0.504167	0.556697	-1.497325	-0.791476	-0.548064	-0.506706
95	2046	-1.036155	-0.436403	0.611556	-1.498701	-0.745661	-0.535629	-0.373945
96	2067	-0.979781	-0.368620	0.661816	-1.482543	-0.692264	-0.522097	-0.215393
97	2089	-0.925296	-0.301132	0.704751	-1.445353	-0.637330	-0.504681	-0.042358
98	2110	-0.872703	-0.233751	0.738038	-1.383866	-0.585868	-0.480626	0.130538
99	2132	-0.820941	-0.165882	0.760041	-1.295804	-0.540478	-0.447636	0.287036
100	2153	-0.768125	-0.096704	0.770010	-1.180637	-0.500617	-0.404251	0.411463
101	2175	-0.711950	-0.025392	0.768195	-1.040173	-0.462727	-0.350115	0.491197
102	2196	-0.650172	0.048685	0.755828	-0.878812	-0.421229	-0.286061	0.519002
103	2218	-0.581074	0.125810	0.734992	-0.703370	-0.370158	-0.214020	0.494812
104	2239	-0.503836	0.205858	0.708379	-0.522451	-0.305028	-0.136744	0.426600
105	2261	-0.418743	0.288318	0.678974	-0.345446	-0.224442	-0.057396	0.330070
106	2283	-0.327178	0.372390	0.649696	-0.181302	-0.131002	0.020927	0.227086
107	2304	-0.231418	0.457128	0.623044	-0.037265	-0.031221	0.095671	0.142928
108	2326	-0.134257	0.541571	0.600799	0.082201	0.065597	0.165207	0.102734
109	2347	-0.038537	0.624847	0.583806	0.176121	0.149304	0.229068	0.127578
110	2369	0.053348	0.706211	0.571882	0.247224	0.211254	0.287998	0.230823
111	2390	0.139879	0.785015	0.563847	0.301614	0.246482	0.343797	0.415344
112	2412	0.220695	0.860627	0.557685	0.347953	0.255189	0.399002	0.672164
113	2433	0.296704	0.932324	0.550811	0.396256	0.243119	0.456440	0.980823
114	2455	0.369990	0.999213	0.540405	0.456499	0.220703	0.518739	1.311574
115	2476	0.443541	1.060204	0.523780	0.537232	0.201085	0.587863	1.629174
116	2498	0.520842	1.114078	0.498732	0.644407	0.197464	0.664766	1.897752
117	2519	0.605383	1.159642	0.463831	0.780587	0.220323	0.749202	2.086046
118	2541	0.700163	1.195968	0.418618	0.944626	0.275182	0.839729	2.172165
119	2562	0.807241	1.222654	0.363680	1.131864	0.361379	0.933907	2.147081
120	2584	0.927398	1.240057	0.300605	1.334778	0.472189	1.028654	2.016231
121	2606	1.059954	1.249430	0.231815	1.543961	0.596242	1.120682	1.798895
122	2627	1.202741	1.252906	0.160301	1.749287	0.719946	1.206961	1.525383
123	2649	1.352258	1.253302	0.089294	1.941057	0.830351	1.285104	1.232452
124	2670	1.503965	1.253751	0.021914	2.110968	0.917816	1.353623	0.957664
125	2692	1.652704	1.257203	-0.039170	2.252772	0.977877	1.412002	0.733642
126	2713	1.793184	1.265890	-0.092018	2.362548	1.011912	1.460590	0.583168
127	2735	1.920480	1.280836	-0.135609	2.438612	1.026464	1.500336	0.515965
128	2756	2.030488	1.301536	-0.169926	2.481103	1.031440	1.532427	0.527725
129	2778	2.120278	1.325875	-0.195910	2.491413	1.037600	1.557907	0.601515
130	2799	2.188306	1.350329	-0.215316	2.471566	1.053979	1.577370	0.711310
131	2821	2.234452	1.370452	-0.230454	2.423734	1.085822	1.590773	0.826981
132	2842	2.259890	1.381559	-0.243884	2.349965	1.133526	1.597436	0.919843
133	2864	2.266804	1.379514	-0.258068	2.252192	1.192801	1.596209	0.967720
134	2885	2.258013	1.361473	-0.275042	2.132500	1.255972	1.585776	0.958642
135	2907	2.236547	1.326432	-0.296140	1.993539	1.314072	1.565035	0.892492
136	2929	2.205266	1.275461	-0.321804	1.838988	1.359194	1.533454	0.780348
137	2950	2.166580	1.211711	-0.351508	1.673877	1.386501	1.491326	0.641709
138	2972	2.122306	1.139731	-0.383805	1.504671	1.395416	1.439867	0.500145
139	2993	2.073698	1.064944	-0.416490	1.339018	1.389700	1.381217	0.378275
140	3015	2.021600	0.992652	-0.446862	1.185172	1.376433	1.317717	0.293029
141	3036	1.966709	0.927180	-0.472064	1.051156	1.364153	1.252433	0.252129
142	3058	1.909840	0.871177	-0.489436	0.943813	1.360647	1.187828	0.252452
143	3079	1.852137	0.825221	-0.496864	0.867922	1.370936	1.125848	0.280572
144	3101	1.795151	0.787801	-0.493056	0.825549	1.395963	1.067581	0.315366
145	3122	1.740757	0.755676	-0.477734	0.815758	1.432292	1.013192	0.332150
146	3144	1.690892	0.724534	-0.451691	0.834766	1.472860	0.962020	0.307543
147	3165	1.647176	0.689816	-0.416721	0.876489	1.508720	0.912826	0.224107
148	3187	1.610488	0.647561	-0.375429	0.933397	1.530926	0.864110	0.073892
149	3208	1.580582	0.595089	-0.330934	0.997501	1.532740	0.814414	-0.139782
150	3230	1.555854	0.531425	-0.286506	1.061299	1.510961	0.762552	-0.402636
151	3252	1.533329	0.457383	-0.245184	1.118519	1.466470	0.707704	-0.691732
152	3273	1.508892	0.375320	-0.209419	1.164543	1.403175	0.649370	-0.979327
153	3295	1.477749	0.288618	-0.180790	1.196487	1.329339	0.587227	-1.237539
154	3316	1.435053	0.201025	-0.159816	1.212976	1.250304	0.520927	-1.442955
155	3338	1.376580	0.115975	-0.145910	1.213721	1.172010	0.449940	-1.580358
156	3359	1.299344	0.036018	-0.137455	1.199035	1.096894	0.373490	-1.644921
157	3381	1.202043	-0.037534	-0.132018	1.169411	1.023873	0.290632	-1.642527
158	3402	1.085244	-0.104718	-0.126658	1.125275	0.948776	0.200472	-1.588220
159	3424	0.951293	-0.166770	-0.118307	1.066925	0.865634	0.102475	-1.503136
160	3445	0.803973	-0.225799	-0.104173	0.994651	0.768523	-0.003213	-1.410527
161	3467	0.647972	-0.284331	-0.082123	0.908943	0.653455	-0.115522	-1.331606
162	3488	0.488282	-0.344847	-0.050993	0.810700	0.519843	-0.232385	-1.281966
163	3510	0.329630	-0.409374	-0.010799	0.701331	0.371138	-0.350880	-1.269165
164	3531	0.176035	-0.479197	0.037188	0.582696	0.214455	-0.467594	-1.291850
165	3553	0.030560	-0.554704	0.090511	0.456878	0.059247	-0.579144	-1.340480
166	3575	-0.104736	-0.635377	0.145739	0.325834	-0.084675	-0.682768	-1.399445
167	3596	-0.228678	-0.719883	0.198805	0.190999	-0.209318	-0.776846	-1.450121
168	3618	-0.340754	-0.806243	0.245439	0.052971	-0.310365	-0.861240	-1.474300
169	3639	-0.440871	-0.892047	0.281648	-0.088650	-0.388276	-0.937364	-1.457358
170	3661	-0.529177	-0.974689	0.304186	-0.235215	-0.446360	-1.007936	-1.390653
171	3682	-0.605988	-1.051613	0.310976	-0.388759	-0.499786	-1.076468	-1.272786
172	3704	-0.671838	-1.120563	0.301408	-0.551579	-0.553759	-1.146566	-1.109589
173	3725	-0.727628	-1.179834	0.276489	-0.725743	-0.621243	-1.221197	-0.912928
174	3747	-0.774811	-1.228505	0.238800	-0.912636	-0.710731	-1.302053	-0.698618
175	3768	-0.815541	-1.266625	0.192275	-1.112640	-0.826547	-1.389152	-0.483857
176	3790	-0.852711	-1.295317	0.141792	-1.324995	-0.968004	-1.480757	-0.284693
177	3811	-0.889839	-1.316754	0.092635	-1.547859	-1.129584	-1.573623	-0.113683
178	3833	-0.930784	-1.333971	0.049867	-1.778511	-1.302047	-1.663515	0.021094
179	3854	-0.979318	-1.350517	0.017707	-2.013640	-1.474194	-1.745896	0.116912
180	3876	-1.038640	-1.369953	-0.001026	-2.249288	-1.634894	-1.816630	0.175756
181	3898	-1.110897	-1.395275	-0.005317	-2.482761	-1.774933	-1.872566	0.203182
182	3919	-1.196824	-1.428350	0.003844	-2.709349	-1.888341	-1.911897	0.206988
183	3941	-1.295581	-1.469469	0.023511	-2.925744	-1.972973	-1.934228	0.193996
184	3962	-1.404843	-1.517122	0.049084	-3.126322	-2.030305	-1.940372	0.171568
185	3984	-1.521074	-1.568066	0.074836	-3.313490	-2.064588	-1.931951	0.143657
186	4005	-1.640085	-1.617699	0.094601	-3.477758	-2.081613	-1.910880	0.112015
187	4027	-1.757641	-1.660700	0.102555	-3.617917	-2.087388	-1.878883	0.076296
188	4048	-1.870088	-1.691836	0.093973	-3.731304	-2.087018	-1.837148	0.035006
189	4070	-1.974887	-1.706781	0.065874	-3.816078	-2.083990	-1.786168	-0.013239
190	4091	-2.070927	-1.702804	0.017468	-3.871437	-2.079915	-1.725803	-0.068439
191	4113	-2.158589	-1.679177	-0.049674	-3.897670	-2.074713	-1.655521	-0.128243
192	4134	-2.239522	-1.637225	-0.131731	-3.895982	-2.067075	-1.574747	-0.187516
193	4156	-2.316181	-1.579996	-0.223034	-3.868092	-2.055046	-1.483217	-0.238592
194	4177	-2.391212	-1.511611	-0.316696	-3.815645	-2.036547	-1.381255	-0.272200
195	4199	-2.466774	-1.436440	-0.405398	-3.739570	-2.009727	-1.269915	-0.278936
196	4221	-2.543954	-1.358250	-0.482219	-3.639540	-1.973120	-1.150948	-0.251008
197	4242	-2.622367	-1.279525	-0.541414	-3.513678	-1.925632	-1.026619	-0.183932
198	4264	-2.700018	-1.201082	-0.579030	-3.358655	-1.866448	-0.899436	-0.077846
199	4285	-2.773478	-1.122072	-0.593291	-3.170191	-1.794959	-0.771841	0.061851
200	4307	-2.838326	-1.040363	-0.584703	-2.943938	-1.710775	-0.645955	0.224693
201	4328	-2.889793	-0.953201	-0.555880	-2.676584	-1.613844	-0.523413	0.396213
202	4350	-2.923484	-0.858027	-0.511123	-2.366978	-1.504647	-0.405327	0.559738
203	4371	-2.936036	-0.753241	-0.455807	-2.017031	-1.384383	-0.292359	0.698646
204	4393	-2.925589	-0.638763	-0.395686	-1.632213	-1.255044	-0.184879	0.798737
205	4414	-2.891970	-0.516252	-0.336188	-1.221472	-1.119341	-0.083139	0.850313
206	4436	-2.836557	-0.388943	-0.281804	-0.796599	-0.980414	0.012568	0.849643
207	4457	-2.761837	-0.261133	-0.235641	-0.371093	-0.841417	0.101823	0.799542
208	4479	-2.670769	-0.137418	-0.199190	0.041269	-0.705033	0.184076	0.708988
209	4500	-2.566061	-0.021868	-0.172313	0.427906	-0.573084	0.258726	0.591816
210	4522	-2.449541	0.082713	-0.153442	0.778700	-0.446333	0.325244	0.464727
211	4544	-2.321758	0.175251	-0.139947	1.086838	-0.324558	0.383312	0.344903
212	4565	-2.181904	0.256530	-0.128597	1.349129	-0.206910	0.432923	0.247635
213	4587	-2.028098	0.328932	-0.116068	1.565753	-0.092467	0.474431	0.184308
214	4608	-1.857988	0.395869	-0.099400	1.739574	0.019162	0.508521	0.161040
215	4630	-1.669542	0.461018	-0.076371	1.875170	0.127340	0.536111	0.178163
216	4651	-1.461875	0.527541	-0.045736	1.977811	0.230191	0.558225	0.230550
217	4673	-1.235934	0.597430	-0.007319	2.052588	0.324739	0.575849	0.308713
218	4694	-0.994875	0.671127	0.038042	2.103824	0.407430	0.589822	0.400426
219	4716	-0.744044	0.747473	0.088666	2.134865	0.474901	0.600775	0.492602
220	4737	-0.490541	0.824000	0.142287	2.148192	0.524856	0.609140	0.573111
221	4759	-0.242427	0.897469	0.196349	2.145781	0.556805	0.615211	0.632273
222	4780	-0.007728	0.964565	0.248308	2.129550	0.572471	0.619245	0.663837
223	4802	0.206604	1.022560	0.295884	2.101761	0.575749	0.621566	0.665366
224	4823	0.395566	1.069850	0.337262	2.065236	0.572176	0.622657	0.638024
225	4845	0.556666	1.106236	0.371206	2.023360	0.568019	0.623196	0.585906
226	4867	0.690075	1.132913	0.397106	1.979843	0.569163	0.624051	0.515052
227	4888	0.798363	1.152195	0.414942	1.938337	0.580064	0.626212	0.432368
228	4910	0.885878	1.167031	0.425205	1.901993	0.602989	0.630694	0.344635
229	4931	0.957902	1.180429	0.428783	1.873077	0.637735	0.638414	0.257746
230	4953	1.019754	1.194904	0.426824	1.852731	0.681893	0.650089	0.176252
231	4974	1.075991	1.212059	0.420612	1.840931	0.731580	0.666149	0.103248
232	4996	1.129854	1.232355	0.411454	1.836642	0.782492	0.686698	0.040516
233	5017	1.183029	1.255114	0.400585	1.838107	0.830988	0.711519	-0.011140
234	5039	1.235723	1.278719	0.389105	1.843223	0.874985	0.740120	-0.051498
235	5060	1.287017	1.300964	0.377931	1.849880	0.914417	0.771806	-0.080576
236	5082	1.335386	1.319460	0.367774	1.856225	0.951176	0.805767	-0.098419
237	5103	1.379278	1.332033	0.359123	1.860800	0.988546	0.841167	-0.105051
238	5125	1.417629	1.337014	0.352245	1.862538	1.030275	0.877209	-0.100600
239	5146	1.450231	1.333415	0.347190	1.860669	1.079523	0.913184	-0.085530
240	5168	1.477905	1.320946	0.343798	1.854565	1.137946	0.948482	-0.060907
241	5190	1.502468	1.299908	0.341716	1.843595	1.205131	0.982581	-0.028603
242	5211	1.526525	1.271003	0.340428	1.827025	1.278537	1.015002	0.008635
243	5233	1.553144	1.235108	0.339281	1.803999	1.353936	1.045256	0.047308
244	5254	1.585463	1.193064	0.337536	1.773589	1.426245	1.072783	0.083478
245	5276	1.626316	1.145529	0.334421	1.734907	1.490552	1.096911	0.113233
246	5297	1.677895	1.092901	0.329190	1.687235	1.543068	1.116831	0.133229
247	5319	1.741507	1.035326	0.321187	1.630147	1.581798	1.131617	0.141202
248	5340	1.817425	0.972782	0.309905	1.563596	1.606762	1.140288	0.136340
249	5362	1.904848	0.905185	0.295037	1.487947	1.619739	1.141907	0.119432
250	5383	2.001955	0.832515	0.276501	1.403969	1.623614	1.135713	0.092756
251	5405	2.106048	0.754928	0.254456	1.312785	1.621505	1.121255	0.059701
252	5426	2.213769	0.672812	0.229281	1.215806	1.615909	1.098504	0.024186
253	5448	2.321364	0.586812	0.201535	1.114645	1.608079	1.067918	-0.010002
254	5469	2.424982	0.497795	0.171902	1.011036	1.597782	1.030433	-0.039855
255	5491	2.520974	0.406781	0.141109	0.906731	1.583513	0.987366	-0.063611
256	5513	2.606166	0.314864	0.109852	0.803388	1.563060	0.940241	-0.080981
257	5534	2.678075	0.223114	0.078720	0.702431	1.534299	0.890563	-0.093065
258	5556	2.735040	0.132510	0.048138	0.604901	1.495962	0.839570	-0.101991
259	5577	2.776267	0.043895	0.018328	0.511299	1.448195	0.788021	-0.110354
260	5599	2.801771	-0.042048	-0.010697	0.421465	1.392723	0.736061	-0.120563
261	5620	2.812246	-0.124772	-0.039111	0.334521	1.332576	0.683202	-0.134270
262	5642	2.808865	-0.203838	-0.067224	0.248899	1.271433	0.628434	-0.151968
263	5663	2.793077	-0.278862	-0.095416	0.162498	1.212738	0.570451	-0.172892
264	5685	2.766388	-0.349474	-0.124051	0.072937	1.158805	0.507958	-0.195205
265	5706	2.730199	-0.415286	-0.153396	-0.022106	1.110154	0.439999	-0.216451
266	5728	2.685672	-0.475882	-0.183548	-0.124526	1.065241	0.366239	-0.234165
267	5749	2.633666	-0.530842	-0.214387	-0.235456	1.020683	0.287133	-0.246490
268	5771	2.574697	-0.579777	-0.245547	-0.355031	0.971921	0.203951	-0.252661
269	5792	2.508947	-0.622395	-0.276434	-0.482302	0.914205	0.118642	-0.253233
270	5814	2.436273	-0.658556	-0.306257	-0.615308	0.843657	0.033544	-0.250006
271	5835	2.356233	-0.688329	-0.334104	-0.751310	0.758176	-0.048977	-0.245635
272	5857	2.268115	-0.712019	-0.359024	-0.887141	0.657974	-0.126915	-0.243040
273	5879	2.170979	-0.730156	-0.380119	-1.019590	0.545612	-0.198950	-0.244725
274	5900	2.063726	-0.743456	-0.396640	-1.145775	0.425523	-0.264639	-0.252185
275	5922	1.945201	-0.752738	-0.408058	-1.263403	0.303128	-0.324441	-0.265531
276	5943	1.814326	-0.758825	-0.414118	-1.370910	0.183745	-0.379565	-0.283435
277	5965	1.670264	-0.762433	-0.414864	-1.467440	0.071528	-0.431673	-0.303407
278	5986	1.512590	-0.764081	-0.410625	-1.552706	-0.031321	-0.482504	-0.322350
279	6008	1.341436	-0.764026	-0.401981	-1.626769	-0.124900	-0.533484	-0.337272
280	6029	1.157576	-0.762241	-0.389694	-1.689801	-0.211454	-0.585411	-0.345981
281	6051	0.962439	-0.758448	-0.374628	-1.741892	-0.294743	-0.638277	-0.347605
282	6072	0.758012	-0.752183	-0.357661	-1.782949	-0.379119	-0.691253	-0.342809
283	6094	0.546658	-0.742903	-0.339596	-1.812699	-0.468495	-0.742837	-0.333653
284	6115	0.330863	-0.730089	-0.321092	-1.830787	-0.565447	-0.791138	-0.323112
285	6137	0.112950	-0.713350	-0.302609	-1.836932	-0.670653	-0.834220	-0.314370
286	6158	-0.105188	-0.692483	-0.284383	-1.831099	-0.782769	-0.870461	-0.310031
287	6180	-0.322289	-0.667505	-0.266431	-1.813620	-0.898756	-0.898831	-0.311447
288	6202	-0.537819	-0.638629	-0.248576	-1.785245	-1.014559	-0.919064	-0.318303
289	6223	-0.751944	-0.606211	-0.230506	-1.747090	-1.125979	-0.931686	-0.328574
290	6245	-0.965375	-0.570680	-0.211833	-1.700503	-1.229519	-0.937908	-0.338856
291	6266	-1.179108	-0.532462	-0.192174	-1.646874	-1.323024	-0.939420	-0.345022
292	6288	-1.394100	-0.491927	-0.171218	-1.587436	-1.405966	-0.938115	-0.343051
293	6309	-1.610925	-0.449369	-0.148787	-1.523103	-1.479346	-0.935812	-0.329865
294	6331	-1.829468	-0.405026	-0.124876	-1.454391	-1.545241	-0.934006	-0.303985
295	6352	-2.048698	-0.359125	-0.099670	-1.381419	-1.606130	-0.933689	-0.265874
296	6374	-2.266565	-0.311953	-0.073533	-1.304024	-1.664170	-0.935260	-0.217888
297	6395	-2.480035	-0.263926	-0.046980	-1.221918	-1.720591	-0.938510	-0.163862
298	6417	-2.685260	-0.215631	-0.020622	-1.134894	-1.775360	-0.942686	-0.108416
299	6438	-2.877892	-0.167842	0.004893	-1.043005	-1.827164	-0.946609	-0.056117
300	6460	-3.053473	-0.121491	0.028951	-0.946687	-1.873718	-0.948821	-0.010705
301	6481	-3.207891	-0.077592	0.051027	-0.846814	-1.912292	-0.947756	0.025498
302	6503	-3.337819	-0.037155	0.070737	-0.744655	-1.940325	-0.941905	0.051860
303	6525	-3.441094	-0.001073	0.087862	-0.641768	-1.955972	-0.929985	0.069366
304	6546	-3.516972	0.029963	0.102361	-0.539834	-1.958447	-0.911079	0.080229
305	6568	-3.566204	0.055530	0.114351	-0.440484	-1.948098	-0.884751	0.087293
306	6589	-3.590930	0.075487	0.124080	-0.345140	-1.926195	-0.851125	0.093364
307	6611	-3.594358	0.089961	0.131877	-0.254892	-1.894514	-0.810897	0.100615
308	6632	-3.580292	0.099283	0.138107	-0.170445	-1.854831	-0.765286	0.110184
309	6654	-3.552553	0.103915	0.143119	-0.092105	-1.808466	-0.715916	0.122043
310	6675	-3.514384	0.104369	0.147210	-0.019837	-1.755996	-0.664628	0.135135
311	6697	-3.467951	0.101140	0.150593	0.046654	-1.697228	-0.613251	0.147733
312	6718	-3.414020	0.094662	0.153391	0.107825	-1.631426	-0.563357	0.157923
313	6740	-3.351902	0.085300	0.155637	0.164186	-1.557735	-0.516052	0.164091
314	6761	-3.279667	0.073358	0.157289	0.216216	-1.475696	-0.471825	0.165308
315	6783	-3.194638	0.059112	0.158255	0.264292	-1.385701	-0.430504	0.161536
316	6804	-3.094067	0.042840	0.158420	0.308653	-1.289256	-0.391327	0.153615
317	6826	-2.975872	0.024857	0.157668	0.349391	-1.188981	-0.353122	0.143059
318	6848	-2.839308	0.005520	0.155905	0.386467	-1.088305	-0.314571	0.131715
319	6869	-2.685416	-0.014772	0.153069	0.419758	-0.990919	-0.274507	0.121377
320	6891	-2.517148	-0.035597	0.149135	0.449124	-0.900105	-0.232188	0.113429
321	6912	-2.339120	-0.056538	0.144115	0.474482	-0.818086	-0.187496	0.108617
322	6934	-2.157018	-0.077210	0.138052	0.495886	-0.745549	-0.141014	0.106962
323	6955	-1.976746	-0.097279	0.131011	0.513593	-0.681469	-0.093961	0.107840
324	6977	-1.803475	-0.116476	0.123079	0.528097	-0.623269	-0.048001	0.110185
325	6998	-1.640772	-0.134595	0.114359	0.540129	-0.567312	-0.004948	0.112760
326	7020	-1.489978	-0.151493	0.104973	0.550602	-0.509605	0.033570	0.114432
327	7041	-1.349974	-0.167085	0.095063	0.560508	-0.446596	0.066421	0.114387
328	7063	-1.217387	-0.181345	0.084793	0.570781	-0.375867	0.093201	0.112237
329	7084	-1.087202	-0.194317	0.074346	0.582131	-0.296594	0.114339	0.108025
330	7106	-0.953680	-0.206122	0.063918	0.594899	-0.209676	0.131050	0.102116
331	7127	-0.811402	-0.216971	0.053710	0.608943	-0.117509	0.145152	0.095032
332	7149	-0.656235	-0.227157	0.043902	0.623587	-0.023464	0.158774	0.087268
333	7171	-0.486041	-0.237033	0.034639	0.637660	0.068822	0.174014	0.079138
334	7192	-0.300997	-0.246966	0.026010	0.649616	0.156172	0.192606	0.070689
335	7214	-0.103466	-0.257270	0.018031	0.657732	0.236477	0.215654	0.061694
336	7235	0.102542	-0.268130	0.010640	0.660344	0.309052	0.243473	0.051720
337	7257	0.312191	-0.279536	0.003705	0.656095	0.374689	0.275573	0.040254
338	7278	0.520757	-0.291231	-0.002959	0.644147	0.435417	0.310769	0.026843
339	7300	0.724474	-0.302705	-0.009557	0.624311	0.494033	0.347395	0.011219
340	7321	0.921128	-0.313237	-0.016278	0.597088	0.553534	0.383590	-0.006623
341	7343	1.110268	-0.321974	-0.023251	0.563589	0.616558	0.417596	-0.026401
342	7364	1.293010	-0.328049	-0.030511	0.525366	0.684971	0.448023	-0.047588
343	7386	1.471485	-0.330707	-0.037975	0.484173	0.759642	0.474043	-0.069493
344	7407	1.648048	-0.329413	-0.045436	0.441694	0.840443	0.495483	-0.091357
345	7429	1.824425	-0.323920	-0.052574	0.399303	0.926420	0.512805	-0.112451
346	7450	2.000990	-0.314277	-0.058991	0.357877	1.016068	0.526997	-0.132132
347	7472	2.176310	-0.300779	-0.064261	0.317708	1.107621	0.539378	-0.149875
348	7494	2.347068	-0.283865	-0.067986	0.278530	1.199278	0.551363	-0.165257
349	7515	2.508372	-0.263980	-0.069859	0.239629	1.289323	0.564214	-0.177925
350	7537	2.654410	-0.241456	-0.069707	0.200053	1.376140	0.578831	-0.187557
351	7558	2.779312	-0.216419	-0.067533	0.158846	1.458156	0.595586	-0.193846
352	7580	2.878062	-0.188757	-0.063515	0.115283	1.533781	0.614256	-0.196506
353	7601	2.947303	-0.158171	-0.057998	0.069060	1.601391	0.634034	-0.195317
354	7623	2.985875	-0.124283	-0.051446	0.020406	1.659424	0.653637	-0.190192
355	7644	2.995010	-0.086786	-0.044382	-0.029905	1.706569	0.671487	-0.181241
356	7666	2.978148	-0.045606	-0.037321	-0.080634	1.742023	0.685942	-0.168814
357	7687	2.940415	-0.001019	-0.030700	-0.130242	1.765750	0.695540	-0.153499
358	7709	2.887869	0.046291	-0.024816	-0.177097	1.778641	0.699228	-0.136054
359	7730	2.826623	0.095273	-0.019793	-0.219705	1.782516	0.696531	-0.117282
360	7752	2.762022	0.144642	-0.015570	-0.256905	1.779912	0.687630	-0.097864
361	7773	2.697964	0.193075	-0.011916	-0.288014	1.773685	0.673356	-0.078188
362	7795	2.636501	0.239442	-0.008477	-0.312889	1.766479	0.655061	-0.058201
363	7817	2.577725	0.283017	-0.004837	-0.331903	1.760178	0.634423	-0.037345
364	7838	2.519971	0.323626	-0.000584	-0.345840	1.755470	0.613182	-0.014588
365	7860	2.460255	0.361684	0.004617	-0.355738	1.751635	0.592875	0.011436
366	7881	2.394885	0.398120	0.010974	-0.362693	1.746634	0.574590	0.042190
367	7903	2.320119	0.434190	0.018529	-0.367674	1.737492	0.558806	0.078940
368	7924	2.232783	0.471213	0.027159	-0.371373	1.720914	0.545324	0.122459
369	7946	2.130746	0.510285	0.036589	-0.374101	1.694003	0.533320	0.172791
370	7967	2.013202	0.552022	0.046436	-0.375774	1.654920	0.521494	0.229121
371	7989	1.880734	0.596379	0.056264	-0.375947	1.603317	0.508301	0.289791
372	8010	1.735160	0.642597	0.065646	-0.373924	1.540441	0.492213	0.352462
373	8032	1.579220	0.689284	0.074217	-0.368893	1.468872	0.471969	0.414401
374	8053	1.416152	0.734501	0.081712	-0.360076	1.391925	0.446775	0.472831
375	8075	1.249240	0.776213	0.087990	-0.346862	1.312861	0.416403	0.525287
376	8096	1.081398	0.812366	0.093028	-0.328904	1.234074	0.381193	0.569905
377	8118	0.914854	0.841238	0.096896	-0.306169	1.156443	0.341957	0.605581
378	8140	0.750966	0.861586	0.099721	-0.278929	1.079020	0.299805	0.631977
379	8161	0.590190	0.872717	0.101643	-0.247719	0.999125	0.255933	0.649385
380	8183	0.432187	0.874457	0.102773	-0.213253	0.912845	0.211421	0.658465
381	8204	0.276044	0.867023	0.103162	-0.176343	0.815854	0.167072	0.659947
382	8226	0.120567	0.850856	0.102792	-0.137812	0.704356	0.123328	0.654351
383	8247	-0.035404	0.826447	0.101580	-0.098447	0.575976	0.080266	0.641807
384	8269	-0.192703	0.794196	0.099405	-0.058965	0.430384	0.037675	0.622012
385	8290	-0.351594	0.754350	0.096145	-0.020024	0.269540	-0.004805	0.594344
386	8312	-0.511636	0.707013	0.091718	0.017754	0.097499	-0.047523	0.558110
387	8333	-0.671631	0.652236	0.086120	0.053748	-0.080169	-0.090668	0.512868
388	8355	-0.829685	0.590150	0.079448	0.087311	-0.257220	-0.134146	0.458757
389	8376	-0.983367	0.521124	0.071902	0.117758	-0.427641	-0.177530	0.396737
390	8398	-1.129926	0.445881	0.063774	0.144392	-0.586448	-0.220066	0.328694
391	8419	-1.266567	0.365568	0.055406	0.166543	-0.730224	-0.260742	0.257356
392	8441	-1.390727	0.281752	0.047140	0.183645	-0.857299	-0.298394	0.186029
393	8463	-1.500333	0.196324	0.039267	0.195312	-0.967601	-0.331840	0.118186
394	8484	-1.593997	0.111358	0.031975	0.201421	-1.062235	-0.360009	0.056988
395	8506	-1.671133	0.028919	0.025313	0.202166	-1.142949	-0.382044	0.004811
396	8527	-1.731970	-0.049129	0.019182	0.198091	-1.211618	-0.397387	-0.037131
397	8549	-1.777462	-0.121286	0.013344	0.190081	-1.269884	-0.405822	-0.068998
398	8570	-1.809099	-0.186532	0.007465	0.179318	-1.319021	-0.407494	-0.092337
399	8592	-1.828651	-0.244382	0.001169	0.167198	-1.360019	-0.402904	-0.109893
400	8613	-1.837876	-0.294870	-0.005893	0.155234	-1.393825	-0.392886	-0.125248
401	8635	-1.838238	-0.338486	-0.013973	0.144932	-1.421622	-0.378571	-0.142343
402	8656	-1.830678	-0.376076	-0.023178	0.137678	-1.445023	-0.361336	-0.164968
403	8678	-1.815478	-0.408717	-0.033434	0.134622	-1.466086	-0.342727	-0.196266
404	8699	-1.792238	-0.437596	-0.044482	0.136588	-1.487095	-0.324368	-0.238340
405	8721	-1.759974	-0.463898	-0.055907	0.143999	-1.510154	-0.307829	-0.291984
406	8742	-1.717323	-0.488701	-0.067185	0.156836	-1.536681	-0.294480	-0.356573
407	8764	-1.662809	-0.512903	-0.077758	0.174626	-1.566871	-0.285337	-0.430107
408	8786	-1.595150	-0.537150	-0.087110	0.196462	-1.599518	-0.280918	-0.509401
409	8807	-1.513522	-0.561790	-0.094834	0.221064	-1.631874	-0.281139	-0.590400
410	8829	-1.417770	-0.586841	-0.100692	0.246865	-1.660038	-0.285289	-0.668585
411	8850	-1.308505	-0.611980	-0.104641	0.272138	-1.679559	-0.292074	-0.739440
412	8872	-1.187094	-0.636561	-0.106832	0.295135	-1.686256	-0.299776	-0.798945
413	8893	-1.055536	-0.659666	-0.107579	0.314241	-1.677047	-0.306484	-0.844037
414	8915	-0.916257	-0.680194	-0.107307	0.328111	-1.650630	-0.310385	-0.873004
415	8936	-0.771865	-0.696977	-0.106473	0.335788	-1.607840	-0.310068	-0.885734
416	8958	-0.624888	-0.708915	-0.105501	0.336768	-1.551610	-0.304785	-0.883796
417	8979	-0.477562	-0.715115	-0.104708	0.331005	-1.486508	-0.294620	-0.870284
418	9001	-0.331678	-0.715010	-0.104260	0.318854	-1.417952	-0.280532	-0.849434
419	9022	-0.188509	-0.708432	-0.104148	0.300953	-1.351255	-0.264239	-0.826029
420	9044	-0.048828	-0.695627	-0.104196	0.278063	-1.290686	-0.247970	-0.804653
421	9065	0.087007	-0.677203	-0.104090	0.250895	-1.238748	-0.234100	-0.788907
422	9087	0.218923	-0.654018	-0.103439	0.219954	-1.195799	-0.224747	-0.780702
423	9109	0.346967	-0.627018	-0.101836	0.185431	-1.160091	-0.221382	-0.779779
424	9130	0.471154	-0.597068	-0.098928	0.147171	-1.128201	-0.224538	-0.783556
425	9152	0.591330	-0.564783	-0.094473	0.104734	-1.095739	-0.233671	-0.787378
426	9173	0.707059	-0.530421	-0.088382	0.057534	-1.058183	-0.247196	-0.785165
427	9195	0.817693	-0.493836	-0.080734	0.005044	-1.011672	-0.262716	-0.770383
428	9216	0.922129	-0.454523	-0.071767	-0.052967	-0.953585	-0.277394	-0.737193
429	9238	1.019096	-0.411740	-0.061848	-0.116223	-0.882838	-0.288407	-0.681574
430	9259	1.107112	-0.364692	-0.051423	-0.183785	-0.799848	-0.293414	-0.602220
431	9281	1.184601	-0.312748	-0.040960	-0.254005	-0.706235	-0.290938	-0.501021
432	9302	1.250008	-0.255646	-0.030891	-0.324594	-0.604341	-0.280599	-0.383004
433	9324	1.301898	-0.193661	-0.021564	-0.392819	-0.496720	-0.263167	-0.255722
434	9345	1.339048	-0.127684	-0.013208	-0.455800	-0.385700	-0.240401	-0.128160
435	9367	1.360513	-0.059213	-0.005920	-0.510864	-0.273102	-0.214722	-0.009335
436	9388	1.365662	0.009753	0.000328	-0.555889	-0.160178	-0.188778	0.093148
437	9410	1.354182	0.076917	0.005668	-0.589603	-0.047704	-0.164976	0.174339
438	9432	1.326051	0.139925	0.010297	-0.611752	0.063792	-0.145065	0.232732
439	9453	1.281493	0.196641	0.014433	-0.623131	0.173784	-0.129854	0.270447
440	9475	1.220914	0.245383	0.018278	-0.625452	0.281557	-0.119105	0.292752
441	9496	1.144844	0.285108	0.021980	-0.621063	0.386116	-0.111622	0.307011
442	9518	1.053890	0.315504	0.025614	-0.612579	0.486237	-0.105514	0.321247
443	9539	0.948704	0.336979	0.029171	-0.602466	0.580612	-0.098577	0.342586
444	9561	0.829994	0.350550	0.032570	-0.592662	0.668049	-0.088722	0.375883
445	9582	0.698547	0.357659	0.035677	-0.584285	0.747656	-0.074373	0.422789
446	9604	0.555287	0.359933	0.038328	-0.577497	0.818949	-0.054754	0.481441
447	9625	0.401349	0.358938	0.040368	-0.571520	0.881845	-0.030027	0.546830
448	9647	0.238143	0.355960	0.041669	-0.564824	0.936554	-0.001256	0.611775
449	9668	0.067414	0.351844	0.042160	-0.555434	0.983391	0.029793	0.668312
450	9690	-0.108726	0.346922	0.041830	-0.541315	1.022584	0.060968	0.709222
451	9711	-0.287815	0.341030	0.040734	-0.520759	1.054130	0.090095	0.729409
452	9733	-0.467100	0.333612	0.038976	-0.492700	1.077760	0.115331	0.726867
453	9755	-0.643652	0.323890	0.036696	-0.456926	1.093038	0.135433	0.703049
454	9776	-0.814519	0.311063	0.034041	-0.414126	1.099566	0.149910	0.662599
455	9798	-0.976917	0.294516	0.031147	-0.365788	1.097263	0.159018	0.612504
456	9819	-1.128430	0.273982	0.028118	-0.313963	1.086631	0.163628	0.560841
457	9841	-1.267194	0.249643	0.025012	-0.260933	1.068930	0.164988	0.515382
458	9862	-1.392038	0.222146	0.021843	-0.208861	1.046208	0.164431	0.482315
459	9884	-1.502563	0.192536	0.018580	-0.159465	1.021146	0.163096	0.465314
460	9905	-1.599122	0.162105	0.015167	-0.113790	0.996743	0.161692	0.465110
461	9927	-1.682713	0.132202	0.011538	-0.072099	0.975875	0.160381	0.479615
462	9948	-1.754780	0.104014	0.007639	-0.033920	0.960839	0.158761	0.504525
463	9970	-1.816949	0.078378	0.003444	0.001799	0.952943	0.155967	0.534256
464	9991	-1.870729	0.055640	-0.001029	0.036415	0.952259	0.150867	0.563006
465	10013	-1.917233	0.035598	-0.005712	0.071290	0.957567	0.142293	0.585725
466	10034	-1.956956	0.017542	-0.010491	0.107486	0.966517	0.129289	0.598819
467	10056	-1.989653	0.000379	-0.015211	0.145533	0.975982	0.111308	0.600483
468	10078	-2.014350	-0.017173	-0.019694	0.185295	0.982523	0.088334	0.590645
469	10099	-2.029473	-0.036344	-0.023757	0.225959	0.982892	0.060918	0.570578
470	10121	-2.033093	-0.058085	-0.027231	0.266148	0.974474	0.030109	0.542318
471	10142	-2.023237	-0.082869	-0.029978	0.304128	0.955602	-0.002690	0.508032
472	10164	-1.998211	-0.110579	-0.031906	0.338086	0.925699	-0.035915	0.469496
473	10185	-1.956882	-0.140484	-0.032971	0.366408	0.885247	-0.068052	0.427769
474	10207	-1.898862	-0.171323	-0.033180	0.387936	0.835599	-0.097826	0.383134
475	10228	-1.824564	-0.201474	-0.032585	0.402147	0.778701	-0.124341	0.335269
476	10250	-1.735133	-0.229185	-0.031268	0.409227	0.716776	-0.147146	0.283579
477	10271	-1.632251	-0.252831	-0.029334	0.410045	0.652037	-0.166230	0.227588
478	10293	-1.517882	-0.271150	-0.026890	0.406022	0.586467	-0.181947	0.167273
479	10314	-1.393990	-0.283419	-0.024037	0.398926	0.521686	-0.194888	0.103272
480	10336	-1.262306	-0.289548	-0.020862	0.390626	0.458905	-0.205731	0.036903
481	10357	-1.124178	-0.290073	-0.017430	0.382836	0.398953	-0.215091	-0.029988
482	10379	-0.980533	-0.286051	-0.013787	0.376901	0.342334	-0.223401	-0.095302
483	10401	-0.831958	-0.278888	-0.009963	0.373636	0.289296	-0.230832	-0.157003
484	10422	-0.678864	-0.270115	-0.005981	0.373247	0.239890	-0.237270	-0.213408
485	10444	-0.521698	-0.261169	-0.001862	0.375333	0.194007	-0.242348	-0.263372
486	10465	-0.361149	-0.253198	0.002362	0.378967	0.151399	-0.245516	-0.306334
487	10487	-0.198282	-0.246930	0.006646	0.382838	0.111689	-0.246141	-0.342249
488	10508	-0.034591	-0.242628	0.010923	0.385427	0.074391	-0.243611	-0.371422
489	10530	0.128073	-0.240107	0.015107	0.385202	0.038944	-0.237431	-0.394316
490	10551	0.287671	-0.238839	0.019096	0.380799	0.004767	-0.227296	-0.411409
491	10573	0.442216	-0.238082	0.022774	0.371174	-0.028681	-0.213130	-0.423115
492	10594	0.590035	-0.237040	0.026025	0.355717	-0.061832	-0.195087	-0.429820
493	10616	0.729995	-0.234999	0.028738	0.334304	-0.094970	-0.173533	-0.431994
494	10637	0.861654	-0.231430	0.030817	0.307302	-0.128202	-0.148996	-0.430338
495	10659	0.985294	-0.226048	0.032195	0.275524	-0.161480	-0.122109	-0.425905
496	10680	1.101828	-0.218813	0.032834	0.240132	-0.194642	-0.093555	-0.420144
497	10702	1.212600	-0.209891	0.032734	0.202514	-0.227470	-0.064012	-0.414815
498	10724	1.319108	-0.199587	0.031932	0.164136	-0.259749	-0.034108	-0.411787
499	10745	1.422696	-0.188268	0.030504	0.126388	-0.291313	-0.004386	-0.412737
500	10767	1.524277	-0.176294	0.028551	0.090444	-0.322057	0.024720	-0.418821
501	10788	1.624129	-0.163968	0.026203	0.057146	-0.351919	0.052907	-0.430394
502	10810	1.721803	-0.151509	0.023597	0.026930	-0.380836	0.080015	-0.446847
503	10831	1.816161	-0.139052	0.020875	-0.000194	-0.408694	0.106032	-0.466626
504	10853	1.905532	-0.126660	0.018167	-0.024606	-0.435284	0.131089	-0.487436
505	10874	1.987955	-0.114344	0.015584	-0.046985	-0.460282	0.155440	-0.506604
506	10896	2.061480	-0.102082	0.013206	-0.068169	-0.483265	0.179419	-0.521537
507	10917	2.124458	-0.089832	0.011079	-0.088997	-0.503763	0.203384	-0.530193
508	10939	2.175781	-0.077530	0.009212	-0.110139	-0.521335	0.227645	-0.531445
509	10960	2.215028	-0.065091	0.007580	-0.131956	-0.535650	0.252386	-0.525296
510	10982	2.242498	-0.052402	0.006128	-0.154407	-0.546552	0.277592	-0.512867
511	11003	2.259115	-0.039329	0.004782	-0.177024	-0.554097	0.303002	-0.496182
512	11025	2.266240	-0.025735	0.003458	-0.198961	-0.558536	0.328096	-0.477783
513	11047	2.265415	-0.011502	0.002077	-0.219111	-0.560265	0.352129	-0.460255
514	11068	2.258081	0.003423	0.000574	-0.236279	-0.559740	0.374207	-0.445756
515	11090	2.245334	0.019000	-0.001092	-0.249376	-0.557378	0.393405	-0.435640
516	11111	2.227748	0.035067	-0.002929	-0.257601	-0.553481	0.408906	-0.430241
517	11133	2.205303	0.051333	-0.004914	-0.260585	-0.548181	0.420131	-0.428853
518	11154	2.177424	0.067406	-0.006994	-0.258457	-0.541445	0.426849	-0.429903
519	11176	2.143130	0.082835	-0.009091	-0.251829	-0.533123	0.429230	-0.431260
520	11197	2.101255	0.097180	-0.011112	-0.241697	-0.523022	0.427837	-0.430624
521	11219	2.050703	0.110088	-0.012964	-0.229274	-0.511011	0.423542	-0.425926
522	11240	1.990686	0.121360	-0.014561	-0.215778	-0.497105	0.417390	-0.415641
523	11262	1.920904	0.130993	-0.015835	-0.202228	-0.481513	0.410425	-0.399005
524	11283	1.841627	0.139193	-0.016748	-0.189270	-0.464645	0.403504	-0.376074
525	11305	1.753666	0.146341	-0.017289	-0.177073	-0.447058	0.397151	-0.347660
526	11326	1.658235	0.152936	-0.017479	-0.165310	-0.429369	0.391456	-0.315153
527	11348	1.556733	0.159498	-0.017365	-0.153227	-0.412137	0.386058	-0.280288
528	11370	1.450488	0.166483	-0.017011	-0.139791	-0.395754	0.380205	-0.244878
529	11391	1.340516	0.174198	-0.016489	-0.123884	-0.380369	0.372887	-0.210582
530	11413	1.227336	0.182747	-0.015874	-0.104511	-0.365854	0.363024	-0.178711
531	11434	1.110894	0.192021	-0.015227	-0.080979	-0.351837	0.349657	-0.150107
532	11456	0.990609	0.201724	-0.014596	-0.053035	-0.337778	0.332131	-0.125083
533	11477	0.865537	0.211438	-0.014010	-0.020909	-0.323089	0.310221	-0.103434
534	11499	0.734624	0.220710	-0.013475	0.014707	-0.307256	0.284181	-0.084501
535	11520	0.597008	0.229142	-0.012981	0.052761	-0.289954	0.254720	-0.067282
536	11542	0.452305	0.236467	-0.012502	0.092003	-0.271113	0.222897	-0.050570
537	11563	0.300819	0.242596	-0.012005	0.131155	-0.250937	0.189956	-0.033122
538	11585	0.143645	0.247639	-0.011453	0.169097	-0.229859	0.157151	-0.013827
539	11606	-0.017387	0.251872	-0.010811	0.205006	-0.208480	0.125559	0.008134
540	11628	-0.179890	0.255692	-0.010049	0.238449	-0.187330	0.095942	0.033160
541	11649	-0.341213	0.259544	-0.009146	0.269416	-0.166989	0.068661	0.061160
542	11671	-0.498789	0.263847	-0.008092	0.298284	-0.147745	0.043656	0.091545
543	11693	-0.650466	0.268932	-0.006886	0.325738	-0.129658	0.020500	0.123304
544	11714	-0.794760	0.274999	-0.005539	0.352647	-0.112528	-0.001503	0.155156
545	11736	-0.930993	0.282098	-0.004071	0.379926	-0.095936	-0.023179	0.185746
546	11757	-1.059265	0.290135	-0.002510	0.408400	-0.079333	-0.045344	0.213880
547	11779	-1.180300	0.298901	-0.000896	0.438691	-0.062147	-0.068667	0.238727
548	11800	-1.295174	0.308107	0.000728	0.471130	-0.043897	-0.093579	0.259972
549	11822	-1.405002	0.317431	0.002311	0.505723	-0.024287	-0.120217	0.277872
550	11843	-1.510648	0.326549	0.003803	0.542148	-0.003271	-0.148424	0.293215
551	11865	-1.612514	0.335172	0.005156	0.579803	0.018936	-0.177786	0.307165
552	11886	-1.710451	0.343061	0.006333	0.617883	0.041882	-0.207709	0.321045
553	11908	-1.803812	0.350033	0.007310	0.655473	0.064945	-0.237520	0.336084
554	11929	-1.891612	0.355963	0.008087	0.691660	0.087430	-0.266565	0.353174
555	11951	-1.972769	0.360768	0.008685	0.725622	0.108666	-0.294299	0.372706
556	11972	-2.046345	0.364397	0.009150	0.756699	0.128110	-0.320361	0.394497
557	11994	-2.111735	0.366811	0.009551	0.784438	0.145413	-0.344605	0.417827
558	12016	-2.168760	0.367961	0.009968	0.808587	0.160466	-0.367108	0.441579
559	12037	-2.217630	0.367773	0.010482	0.829063	0.173401	-0.388131	0.464452
560	12059	-2.258803	0.366130	0.011165	0.845885	0.184555	-0.408059	0.485188
561	12080	-2.292759	0.362864	0.012058	0.859099	0.194403	-0.427320	0.502780
562	12102	-2.319769	0.357755	0.013165	0.868695	0.203480	-0.446294	0.516614
563	12123	-2.339694	0.350541	0.014442	0.874555	0.212285	-0.465236	0.526515
564	12145	-2.351882	0.340931	0.015797	0.876422	0.221208	-0.484214	0.532697
565	12166	-2.355192	0.328636	0.017091	0.873910	0.230473	-0.503082	0.535640
566	12188	-2.348123	0.313395	0.018161	0.866546	0.240115	-0.521487	0.535909
567	12209	-2.329042	0.294998	0.018830	0.853839	0.249993	-0.538920	0.533970
568	12231	-2.296451	0.273301	0.018938	0.835353	0.259834	-0.554783	0.530041
569	12252	-2.249225	0.248229	0.018362	0.810765	0.269307	-0.568485	0.523994
570	12274	-2.186789	0.219759	0.017041	0.779905	0.278096	-0.579533	0.515343
571	12295	-2.109198	0.187889	0.014984	0.742750	0.285983	-0.587600	0.503297
572	12317	-2.017097	0.152608	0.012278	0.699387	0.292902	-0.592576	0.486876
573	12339	-1.911610	0.113865	0.009081	0.649951	0.298960	-0.594559	0.465058
574	12360	-1.794157	0.071543	0.005599	0.594549	0.304425	-0.593818	0.436933
575	12382	-1.666287	0.025471	0.002062	0.533200	0.309670	-0.590714	0.401828
576	12403	-1.529525	-0.024554	-0.001308	0.465810	0.315093	-0.585606	0.359405
577	12425	-1.385288	-0.078715	-0.004327	0.392188	0.321017	-0.578748	0.309698
578	12446	-1.234859	-0.137105	-0.006881	0.312108	0.327593	-0.570212	0.253110
579	12468	-1.079417	-0.199667	-0.008937	0.225408	0.334728	-0.559844	0.190367
580	12489	-0.920087	-0.266129	-0.010550	0.132112	0.342045	-0.547268	0.122433
581	12511	-0.757983	-0.335986	-0.011852	0.032530	0.348896	-0.531934	0.050423
582	12532	-0.594236	-0.408498	-0.013029	-0.072670	0.354421	-0.513210	-0.024504
583	12554	-0.429972	-0.482738	-0.014290	-0.182448	0.357650	-0.490493	-0.101240
584	12575	-0.266272	-0.557668	-0.015829	-0.295445	0.357636	-0.463324	-0.178807
585	12597	-0.104120	-0.632225	-0.017789	-0.410091	0.353584	-0.431484	-0.256413
586	12618	0.055636	-0.705413	-0.020233	-0.524759	0.344979	-0.395048	-0.333479
587	12640	0.212275	-0.776379	-0.023132	-0.637921	0.331668	-0.354404	-0.409628
588	12662	0.365157	-0.844445	-0.026358	-0.748293	0.313888	-0.310203	-0.484642
589	12683	0.513627	-0.909119	-0.029702	-0.854927	0.292248	-0.263287	-0.558387
590	12705	0.656903	-0.970049	-0.032904	-0.957241	0.267640	-0.214577	-0.630718
591	12726	0.793979	-1.026964	-0.035687	-1.054968	0.241123	-0.164963	-0.701379
592	12748	0.923570	-1.079596	-0.037805	-1.148059	0.213771	-0.115200	-0.769921
593	12769	1.044138	-1.127604	-0.039075	-1.236525	0.186529	-0.065840	-0.835648
594	12791	1.153988	-1.170524	-0.039409	-1.320293	0.160095	-0.017200	-0.897618
595	12812	1.251440	-1.207740	-0.038833	-1.399060	0.134840	0.030626	-0.954688
596	12834	1.335030	-1.238496	-0.037476	-1.472205	0.110794	0.077717	-1.005614
597	12855	1.403707	-1.261935	-0.035558	-1.538757	0.087685	0.124248	-1.049179
598	12877	1.456982	-1.277156	-0.033350	-1.597433	0.065031	0.170404	-1.084328
599	12898	1.494987	-1.283283	-0.031135	-1.646728	0.042273	0.216291	-1.110284
600	12920	1.518443	-1.279541	-0.029162	-1.685051	0.018913	0.261872	-1.126614
601	12941	1.528545	-1.265307	-0.027601	-1.710882	-0.005354	0.306927	-1.133240
602	12963	1.526777	-1.240171	-0.026518	-1.722927	-0.030551	0.351041	-1.130382
603	12985	1.514717	-1.203972	-0.025862	-1.720248	-0.056375	0.393633	-1.118461
604	13006	1.493873	-1.156822	-0.025468	-1.702364	-0.082219	0.434008	-1.097969
605	13028	1.465559	-1.099134	-0.025087	-1.669300	-0.107254	0.471426	-1.069350
606	13049	1.430870	-1.031627	-0.024421	-1.621591	-0.130547	0.505191	-1.032926
607	13071	1.390703	-0.955320	-0.023173	-1.560241	-0.151249	0.534726	-0.988866
608	13092	1.345846	-0.871508	-0.021098	-1.486626	-0.168526	0.559649	-0.937239
609	13114	1.297061	-0.781706	-0.018045	-1.402381	-0.182097	0.579816	-0.878113
610	13135	1.245161	-0.687565	-0.013989	-1.309247	-0.191866	0.595350	-0.811685
611	13157	1.191033	-0.590764	-0.009043	-1.208925	-0.198141	0.606619	-0.738417
612	13178	1.135603	-0.492878	-0.003450	-1.102924	-0.201532	0.614198	-0.659134
613	13200	1.079762	-0.395253	0.002445	-0.992464	-0.202839	0.618793	-0.575062
614	13221	1.024264	-0.298904	0.008239	-0.878406	-0.202923	0.621141	-0.487785
615	13243	0.969628	-0.204458	0.013521	-0.761263	-0.202560	0.621915	-0.399145
616	13264	0.916092	-0.112154	0.017930	-0.641277	-0.202335	0.621623	-0.311072
617	13286	0.863610	-0.021912	0.021197	-0.518554	-0.202566	0.620534	-0.225403
618	13308	0.811920	0.066540	0.023184	-0.393240	-0.203295	0.618641	-0.143702
619	13329	0.760658	0.153508	0.023900	-0.265711	-0.204331	0.615667	-0.067130
620	13351	0.709485	0.239170	0.023490	-0.136718	-0.205336	0.611116	0.003637
621	13372	0.658207	0.323449	0.022217	-0.007479	-0.205939	0.604366	0.068422
622	13394	0.606843	0.405945	0.020414	0.120350	-0.205847	0.594790	0.127499
623	13415	0.555635	0.485953	0.018444	0.244792	-0.204925	0.581875	0.181506
624	13437	0.504989	0.562558	0.016636	0.363779	-0.203243	0.565336	0.231330
625	13458	0.455369	0.634797	0.015252	0.475435	-0.201060	0.545186	0.277993
626	13480	0.407175	0.701840	0.014446	0.578364	-0.198764	0.521765	0.322535
627	13501	0.360629	0.763164	0.014254	0.671895	-0.196781	0.495704	0.365913
628	13523	0.315718	0.818662	0.014598	0.756205	-0.195467	0.467838	0.408913
629	13544	0.272199	0.868667	0.015312	0.832303	-0.195009	0.439095	0.452059
630	13566	0.229667	0.913870	0.016173	0.901851	-0.195373	0.410351	0.495540
631	13587	0.187683	0.955159	0.016953	0.966855	-0.196279	0.382313	0.539138
632	13609	0.145920	0.993393	0.017458	1.029270	-0.197244	0.355424	0.582192
633	13631	0.104285	1.029176	0.017565	1.090601	-0.197656	0.329823	0.623591
634	13652	0.063002	1.062668	0.017247	1.151577	-0.196878	0.305363	0.661826
635	13674	0.022620	1.093496	0.016575	1.211956	-0.194352	0.281679	0.695121
636	13695	-0.016067	1.120765	0.015704	1.270519	-0.189689	0.258290	0.721612
637	13717	-0.052144	1.143201	0.014848	1.325254	-0.182720	0.234726	0.739590
638	13738	-0.084755	1.159371	0.014231	1.373685	-0.173504	0.210635	0.747756
639	13760	-0.113262	1.167957	0.014051	1.413301	-0.162293	0.185869	0.745447
640	13781	-0.137375	1.168019	0.014433	1.441988	-0.149470	0.160513	0.732799
641	13803	-0.157209	1.159191	0.015406	1.458388	-0.135467	0.134872	0.710789
642	13824	-0.173260	1.141768	0.016887	1.462114	-0.120699	0.109413	0.681159
643	13846	-0.186310	1.116678	0.018687	1.453783	-0.105508	0.084673	0.646206
644	13867	-0.197270	1.085325	0.020542	1.434873	-0.090145	0.061160	0.608470
645	13889	-0.207019	1.049353	0.022149	1.407435	-0.074782	0.039269	0.570378
646	13910	-0.216250	1.010385	0.023218	1.373740	-0.059547	0.019219	0.533897
647	13932	-0.225369	0.969766	0.023522	1.335914	-0.044568	0.001042	0.500265
648	13954	-0.234463	0.928393	0.022937	1.295661	-0.030014	-0.015398	0.469836
649	13975	-0.243349	0.886640	0.021469	1.254105	-0.016116	-0.030351	0.442095
650	13997	-0.251669	0.844397	0.019259	1.211773	-0.003157	-0.044107	0.415804
651	14018	-0.259035	0.801209	0.016568	1.168720	0.008558	-0.056921	0.389288
652	14040	-0.265156	0.756469	0.013740	1.124734	0.018765	-0.068962	0.360777
653	14061	-0.269955	0.709637	0.011151	1.079578	0.027291	-0.080277	0.328765
654	14083	-0.273614	0.660418	0.009151	1.033190	0.034113	-0.090804	0.292301
655	14104	-0.276560	0.608876	0.008007	0.985819	0.039376	-0.100400	0.251187
656	14126	-0.279396	0.555459	0.007860	0.938038	0.043389	-0.108899	0.206021
657	14147	-0.282779	0.500936	0.008701	0.890673	0.046576	-0.116176	0.158117
658	14169	-0.287286	0.446265	0.010365	0.844640	0.049410	-0.122194	0.109290
659	14190	-0.293298	0.392418	0.012558	0.800766	0.052322	-0.127043	0.061566
660	14212	-0.300913	0.340221	0.014900	0.759619	0.055634	-0.130943	0.016866
661	14233	-0.309927	0.290211	0.016983	0.721409	0.059495	-0.134224	-0.023301
662	14255	-0.319859	0.242571	0.018437	0.685965	0.063873	-0.137277	-0.058064
663	14277	-0.330036	0.197114	0.018987	0.652806	0.068578	-0.140498	-0.087330
664	14298	-0.339697	0.153351	0.018505	0.621272	0.073330	-0.144228	-0.111798
665	14320	-0.348112	0.110586	0.017026	0.590691	0.077843	-0.148702	-0.132869
666	14341	-0.354666	0.068051	0.014747	0.560524	0.081926	-0.154017	-0.152453
667	14363	-0.358911	0.025024	0.012002	0.530468	0.085557	-0.160133	-0.172708
668	14384	-0.360572	-0.019066	0.009205	0.500481	0.088933	-0.166887	-0.195738
669	14406	-0.359509	-0.064581	0.006788	0.470732	0.092460	-0.174033	-0.223301
670	14427	-0.355640	-0.111646	0.005128	0.441482	0.096704	-0.181296	-0.256550
671	14449	-0.348873	-0.160174	0.004485	0.412933	0.102298	-0.188422	-0.295852
672	14470	-0.339039	-0.209905	0.004957	0.385076	0.109813	-0.195229	-0.340706
673	14492	-0.325864	-0.260470	0.006456	0.357579	0.119644	-0.201640	-0.389781
674	14513	-0.308985	-0.311456	0.008718	0.329726	0.131902	-0.207697	-0.441064
675	14535	-0.288004	-0.362460	0.011339	0.300439	0.146357	-0.213548	-0.492118
676	14556	-0.262576	-0.413136	0.013832	0.268361	0.162439	-0.219425	-0.540400
677	14578	-0.232503	-0.463217	0.015698	0.231995	0.179292	-0.225590	-0.583612
678	14600	-0.197815	-0.512523	0.016508	0.189865	0.195889	-0.232279	-0.620015
679	14621	-0.158815	-0.560944	0.015963	0.140681	0.211181	-0.239636	-0.648672
680	14643	-0.116067	-0.608412	0.013947	0.083480	0.224246	-0.247663	-0.669553
681	14664	-0.070344	-0.654854	0.010549	0.017727	0.234436	-0.256169	-0.683501
682	14686	-0.022516	-0.700144	0.006049	-0.056629	0.241465	-0.264756	-0.692042
683	14707	0.026561	-0.744048	0.000885	-0.139143	0.245443	-0.272831	-0.697076
684	14729	0.076171	-0.786178	-0.004410	-0.228908	0.246843	-0.279641	-0.700497
685	14750	0.125813	-0.825966	-0.009282	-0.324612	0.246391	-0.284349	-0.703801
686	14772	0.175233	-0.862659	-0.013239	-0.424626	0.244929	-0.286123	-0.707763
687	14793	0.224380	-0.895348	-0.015916	-0.527108	0.243237	-0.284244	-0.712241
688	14815	0.273315	-0.923023	-0.017128	-0.630123	0.241879	-0.278204	-0.716137
689	14836	0.322070	-0.944655	-0.016893	-0.731763	0.241089	-0.267781	-0.717539
690	14858	0.370508	-0.959296	-0.015428	-0.830282	0.240714	-0.253089	-0.714010
691	14879	0.418198	-0.966170	-0.013113	-0.924202	0.240244	-0.234565	-0.702982
692	14901	0.464348	-0.964756	-0.010437	-1.012414	0.238905	-0.212929	-0.682180
693	14923	0.507808	-0.954838	-0.007923	-1.094229	0.235819	-0.189078	-0.650013
694	14944	0.547145	-0.936514	-0.006055	-1.169383	0.230178	-0.163966	-0.605853
695	14966	0.580785	-0.910171	-0.005215	-1.237992	0.221426	-0.138469	-0.550173
696	14987	0.607178	-0.876427	-0.005628	-1.300441	0.209378	-0.113260	-0.484513
697	15009	0.624973	-0.836056	-0.007336	-1.357242	0.194286	-0.088732	-0.411296
698	15030	0.633146	-0.789909	-0.010205	-1.408863	0.176805	-0.064959	-0.333531
699	15052	0.631081	-0.738855	-0.013941	-1.455574	0.157878	-0.041734	-0.254441
700	15073	0.618568	-0.683748	-0.018147	-1.497323	0.138568	-0.018650	-0.177100
701	15095	0.595751	-0.625415	-0.022375	-1.533677	0.119844	0.004770	-0.104107
702	15116	0.563022	-0.564680	-0.026196	-1.563842	0.102397	0.028927	-0.037354
703	15138	0.520921	-0.502394	-0.029254	-1.586760	0.086494	0.054014	0.022096
704	15159	0.470037	-0.439461	-0.031315	-1.601277	0.071930	0.079921	0.074026
705	15181	0.410972	-0.376846	-0.032290	-1.606339	0.058074	0.106199	0.118970
706	15202	0.344343	-0.315557	-0.032242	-1.601202	0.044009	0.132100	0.158053
707	15224	0.270833	-0.256589	-0.031368	-1.585599	0.028743	0.156668	0.192769
708	15246	0.191263	-0.200852	-0.029965	-1.559844	0.011451	0.178892	0.224755
709	15267	0.106651	-0.149087	-0.028383	-1.524809	-0.008308	0.197869	0.255551
710	15289	0.018230	-0.101786	-0.026974	-1.481993	-0.030444	0.212956	0.286407
711	15310	-0.072593	-0.059156	-0.026044	-1.433046	-0.054284	0.223879	0.318113
712	15332	-0.164343	-0.021108	-0.025809	-1.379844	-0.078643	0.230783	0.350907
713	15353	-0.255619	0.012691	-0.026373	-1.324083	-0.102002	0.234196	0.384432
714	15375	-0.345255	0.042737	-0.027716	-1.267083	-0.122759	0.234932	0.417777
715	15396	-0.432447	0.069578	-0.029699	-1.209617	-0.139511	0.233941	0.449577
716	15418	-0.516817	0.093697	-0.032092	-1.151843	-0.151311	0.232134	0.478180
717	15439	-0.598379	0.115415	-0.034599	-1.093328	-0.157844	0.230221	0.501851
718	15461	-0.677426	0.134838	-0.036908	-1.033191	-0.159489	0.228597	0.518994
719	15482	-0.754349	0.151842	-0.038728	-0.970326	-0.157263	0.227284	0.528350
720	15504	-0.829426	0.166114	-0.039827	-0.903660	-0.152636	0.225953	0.529157
721	15525	-0.902675	0.177227	-0.040064	-0.832433	-0.147282	0.224010	0.521231
722	15547	-0.973729	0.184743	-0.039407	-0.756411	-0.142783	0.220734	0.504953
723	15569	-1.041882	0.188303	-0.037934	-0.676017	-0.140372	0.215440	0.481178
724	15590	-1.106205	0.187711	-0.035823	-0.592352	-0.140746	0.207618	0.451068
725	15612	-1.165746	0.182980	-0.033329	-0.507074	-0.143995	0.197050	0.415877
726	15633	-1.219762	0.174334	-0.030744	-0.422179	-0.149639	0.183856	0.376751
727	15655	-1.267903	0.162183	-0.028361	-0.339696	-0.156790	0.168474	0.334546
728	15676	-1.310300	0.147069	-0.026429	-0.261361	-0.164373	0.151580	0.289734
729	15698	-1.347513	0.129598	-0.025116	-0.188313	-0.171376	0.133968	0.242380
730	15719	-1.380351	0.110384	-0.024481	-0.120889	-0.177074	0.116408	0.192222
731	15741	-1.409576	0.089994	-0.024459	-0.058541	-0.181178	0.099512	0.138804
732	15762	-1.435591	0.068932	-0.024864	0.000091	-0.183888	0.083644	0.081664
733	15784	-1.458163	0.047621	-0.025410	0.056959	-0.185833	0.068878	0.020510
734	15805	-1.476283	0.026424	-0.025743	0.114271	-0.187924	0.055011	-0.044624
735	15827	-1.488197	0.005650	-0.025488	0.174095	-0.191147	0.041641	-0.113290
736	15848	-1.491627	-0.014416	-0.024304	0.237975	-0.196338	0.028265	-0.184611
737	15870	-1.484146	-0.033510	-0.021929	0.306623	-0.203992	0.014406	-0.257327
738	15892	-1.463627	-0.051372	-0.018227	0.379744	-0.214135	-0.000277	-0.329910
739	15913	-1.428658	-0.067747	-0.013209	0.456039	-0.226287	-0.015911	-0.400698
740	15935	-1.378840	-0.082384	-0.007042	0.533378	-0.239520	-0.032371	-0.468047
741	15956	-1.314879	-0.095028	-0.000033	0.609124	-0.252594	-0.049298	-0.530461
742	15978	-1.238437	-0.105414	0.007409	0.680547	-0.264151	-0.066158	-0.586690
743	15999	-1.151784	-0.113247	0.014821	0.745261	-0.272919	-0.082333	-0.635792
744	16021	-1.057304	-0.118195	0.021754	0.801599	-0.277901	-0.097228	-0.677154
745	16042	-0.956977	-0.119867	0.027828	0.848867	-0.278513	-0.110369	-0.710474
746	16064	-0.851946	-0.117816	0.032785	0.887438	-0.274651	-0.121476	-0.735721
747	16085	-0.742280	-0.111547	0.036525	0.918661	-0.266680	-0.130500	-0.753070
748	16107	-0.626975	-0.100538	0.039114	0.944610	-0.255361	-0.137620	-0.762818
749	16128	-0.504213	-0.084279	0.040771	0.967729	-0.241722	-0.143198	-0.765304
750	16150	-0.371806	-0.062313	0.041830	0.990420	-0.226900	-0.147706	-0.760807
751	16171	-0.227747	-0.034274	0.042684	1.014660	-0.211986	-0.151636	-0.749470
752	16193	-0.070726	0.000078	0.043715	1.041702	-0.197893	-0.155413	-0.731223
753	16215	0.099481	0.040840	0.045238	1.071906	-0.185260	-0.159318	-0.705755
754	16236	0.281845	0.087957	0.047440	1.104713	-0.174404	-0.163446	-0.672506
755	16258	0.474152	0.141236	0.050353	1.138767	-0.165327	-0.167684	-0.630732
756	16279	0.673293	0.200355	0.053842	1.172139	-0.157760	-0.171740	-0.579598
757	16301	0.875689	0.264881	0.057627	1.202621	-0.151248	-0.175184	-0.518320
758	16322	1.077747	0.334280	0.061326	1.228031	-0.145247	-0.177523	-0.446316
759	16344	1.276256	0.407919	0.064513	1.246497	-0.139228	-0.178278	-0.363350
760	16365	1.468616	0.485069	0.066786	1.256658	-0.132765	-0.177057	-0.269628
761	16387	1.652882	0.564891	0.067826	1.257795	-0.125605	-0.173618	-0.165840
762	16408	1.827623	0.646443	0.067448	1.249858	-0.117700	-0.167900	-0.053128
763	16430	1.991648	0.728683	0.065621	1.233412	-0.109202	-0.160029	0.067020
764	16451	2.143702	0.810494	0.062471	1.209519	-0.100425	-0.150302	0.192901
765	16473	2.282201	0.890719	0.058254	1.179563	-0.091774	-0.139130	0.322752
766	16494	2.405117	0.968198	0.053310	1.145065	-0.083656	-0.126982	0.454863
767	16516	2.510013	1.041816	0.048000	1.107477	-0.076389	-0.114310	0.587634
768	16538	2.594270	1.110529	0.042657	1.068009	-0.070115	-0.101484	0.719551
769	16559	2.655420	1.173376	0.037527	1.027482	-0.064747	-0.088749	0.849091
770	16581	2.691532	1.229473	0.032743	0.986229	-0.059952	-0.076194	0.974582
771	16602	2.701550	1.277978	0.028316	0.944065	-0.055175	-0.063762	1.094061
772	16624	2.685502	1.318053	0.024150	0.900324	-0.049707	-0.051283	1.205178
773	16645	2.644543	1.348820	0.020078	0.853966	-0.042789	-0.038527	1.305200
774	16667	2.580801	1.369345	0.015914	0.803748	-0.033733	-0.025276	1.391121
775	16688	2.497078	1.378641	0.011505	0.748444	-0.022039	-0.011393	1.459899
776	16710	2.396462	1.375712	0.006773	0.687078	-0.007488	0.003119	1.508773
777	16731	2.281930	1.359639	0.001751	0.619133	0.009793	0.018085	1.535603
778	16753	2.156027	1.329682	-0.003419	0.544714	0.029339	0.033151	1.539175
779	16774	2.020676	1.285394	-0.008496	0.464614	0.050391	0.047817	1.519396
780	16796	1.877155	1.226717	-0.013183	0.380277	0.072001	0.061490	1.477322
781	16817	1.726214	1.154051	-0.017182	0.293653	0.093165	0.073567	1.415014
782	16839	1.568306	1.068255	-0.020248	0.206966	0.112971	0.083517	1.335232
783	16860	1.403864	0.970611	-0.022242	0.122417	0.130740	0.090955	1.241017
784	16882	1.233551	0.862715	-0.023166	0.041903	0.146123	0.095702	1.135242
785	16904	1.058437	0.746349	-0.023173	-0.033239	0.159161	0.097798	1.020225
786	16925	0.880060	0.623325	-0.022550	-0.102379	0.170280	0.097493	0.897469
787	16947	0.700362	0.495350	-0.021677	-0.165634	0.180229	0.095194	0.767587
788	16968	0.521538	0.363927	-0.020963	-0.223775	0.189967	0.091391	0.630430
789	16990	0.345818	0.230307	-0.020781	-0.278029	0.200529	0.086571	0.485386
790	17011	0.175242	0.095496	-0.021397	-0.329815	0.212865	0.081133	0.331790
791	17033	0.011486	-0.039683	-0.022919	-0.380458	0.227706	0.075331	0.169371
792	17054	-0.144262	-0.174490	-0.025273	-0.430942	0.245447	0.069238	-0.001371
793	17076	-0.291317	-0.308164	-0.028204	-0.481742	0.266086	0.062760	-0.178911
794	17097	-0.429449	-0.439825	-0.031310	-0.532761	0.289208	0.055670	-0.360626
795	17119	-0.558769	-0.568409	-0.034104	-0.583387	0.314025	0.047686	-0.542923
796	17140	-0.679588	-0.692658	-0.036088	-0.632637	0.339467	0.038546	-0.721527
797	17162	-0.792285	-0.811152	-0.036838	-0.679362	0.364300	0.028093	-0.891886
798	17183	-0.897201	-0.922390	-0.036071	-0.722475	0.387275	0.016330	-1.049619
799	17205	-0.994570	-1.024901	-0.033700	-0.761142	0.407266	0.003447	-1.190937
800	17227	-1.084509	-1.117362	-0.029856	-0.794914	0.423396	-0.010187	-1.312967
801	17248	-1.167025	-1.198713	-0.024871	-0.823772	0.435137	-0.024068	-1.413940
802	17270	-1.242052	-1.268229	-0.019240	-0.848087	0.442349	-0.037636	-1.493236
803	17291	-1.309498	-1.325570	-0.013544	-0.868518	0.445281	-0.050356	-1.551287
804	17313	-1.369269	-1.370774	-0.008373	-0.885855	0.444509	-0.061805	-1.589368
805	17334	-1.421299	-1.404212	-0.004236	-0.900865	0.440833	-0.071733	-1.609330
806	17356	-1.465554	-1.426513	-0.001487	-0.914154	0.435147	-0.080098	-1.613307
807	17377	-1.502039	-1.438467	-0.000277	-0.926071	0.428286	-0.087060	-1.603451
808	17399	-1.530798	-1.440926	-0.000538	-0.936677	0.420898	-0.092944	-1.581709
809	17420	-1.551924	-1.434717	-0.001990	-0.945761	0.413343	-0.098168	-1.549678
810	17442	-1.565570	-1.420567	-0.004197	-0.952908	0.405643	-0.103162	-1.508522
811	17463	-1.571967	-1.399063	-0.006632	-0.957596	0.397498	-0.108291	-1.458971
812	17485	-1.571432	-1.370641	-0.008758	-0.959299	0.388365	-0.113785	-1.401373
813	17506	-1.564368	-1.335598	-0.010111	-0.957585	0.377583	-0.119706	-1.335794
814	17528	-1.551249	-1.294130	-0.010368	-0.952197	0.364534	-0.125947	-1.262150
815	17550	-1.532586	-1.246397	-0.009390	-0.943097	0.348798	-0.132256	-1.180351
816	17571	-1.508882	-1.192576	-0.007241	-0.930482	0.330280	-0.138293	-1.090450
817	17593	-1.480587	-1.132934	-0.004164	-0.914769	0.309277	-0.143696	-0.992769
818	17614	-1.448062	-1.067878	-0.000546	-0.896553	0.286471	-0.148151	-0.887995
819	17636	-1.411570	-0.997989	0.003151	-0.876532	0.262841	-0.151442	-0.777220
820	17657	-1.371287	-0.924037	0.006461	-0.855438	0.239506	-0.153487	-0.661941
821	17679	-1.327350	-0.846964	0.008985	-0.833941	0.217530	-0.154336	-0.543981
822	17700	-1.279918	-0.767842	0.010448	-0.812570	0.197717	-0.154156	-0.425366
823	17722	-1.229247	-0.687809	0.010736	-0.791648	0.180448	-0.153186	-0.308165
824	17743	-1.175750	-0.607982	0.009907	-0.771248	0.165575	-0.151689	-0.194303
825	17765	-1.120025	-0.529378	0.008174	-0.751186	0.152422	-0.149900	-0.085384
826	17786	-1.062855	-0.452823	0.005865	-0.731051	0.139876	-0.147992	0.017447
827	17808	-1.005154	-0.378895	0.003373	-0.710272	0.126560	-0.146051	0.113593
828	17829	-0.947882	-0.307882	0.001092	-0.688206	0.111073	-0.144082	0.203019
829	17851	-0.891937	-0.239775	-0.000642	-0.664249	0.092226	-0.142021	0.286197
830	17873	-0.838039	-0.174301	-0.001592	-0.637933	0.069258	-0.139771	0.363987
831	17894	-0.786639	-0.110981	-0.001653	-0.608999	0.041965	-0.137238	0.437469
832	17916	-0.737857	-0.049220	-0.000856	-0.577436	0.010739	-0.134358	0.507752
833	17937	-0.691473	0.011599	0.000647	-0.543469	-0.023511	-0.131125	0.575797
834	17959	-0.646970	0.072012	0.002614	-0.507504	-0.059526	-0.127595	0.642255
835	17980	-0.603621	0.132385	0.004753	-0.470037	-0.095919	-0.123879	0.707369
836	18002	-0.560601	0.192852	0.006774	-0.431560	-0.131427	-0.120123	0.770924
837	18023	-0.517117	0.253278	0.008428	-0.392460	-0.165112	-0.116480	0.832268
838	18045	-0.472521	0.313269	0.009544	-0.352959	-0.196500	-0.113086	0.890387
839	18066	-0.426398	0.372203	0.010048	-0.313095	-0.225613	-0.110031	0.944025
840	18088	-0.378610	0.429309	0.009964	-0.272743	-0.252906	-0.107349	0.991836
841	18109	-0.329294	0.483752	0.009406	-0.231679	-0.279106	-0.105016	1.032543
842	18131	-0.278815	0.534741	0.008547	-0.189659	-0.305012	-0.102954	1.065090
843	18152	-0.227688	0.581627	0.007595	-0.146501	-0.331277	-0.101048	1.088766
844	18174	-0.176476	0.623987	0.006751	-0.102130	-0.358239	-0.099165	1.103288
845	18196	-0.125688	0.661678	0.006185	-0.056599	-0.385823	-0.097169	1.108832
846	18217	-0.075689	0.694857	0.006005	-0.010048	-0.413540	-0.094938	1.106011
847	18239	-0.026636	0.723958	0.006250	0.037363	-0.440583	-0.092364	1.095794
848	18260	0.021548	0.749630	0.006884	0.085548	-0.465991	-0.089362	1.079386
849	18282	0.069167	0.772641	0.007811	0.134579	-0.488849	-0.085859	1.058085
850	18303	0.116703	0.793771	0.008886	0.184742	-0.508488	-0.081793	1.033122
851	18325	0.164742	0.813692	0.009941	0.236541	-0.524619	-0.077101	1.005525
852	18346	0.213880	0.832867	0.010812	0.290644	-0.537393	-0.071721	0.976017
853	18368	0.264622	0.851477	0.011357	0.347779	-0.547366	-0.065588	0.944964
854	18389	0.317293	0.869392	0.011473	0.408595	-0.555370	-0.058640	0.912385
855	18411	0.371967	0.886182	0.011111	0.473515	-0.562329	-0.050819	0.878004
856	18432	0.428430	0.901184	0.010272	0.542616	-0.569050	-0.042083	0.841357
857	18454	0.486171	0.913585	0.009009	0.615555	-0.576025	-0.032403	0.801908
858	18475	0.544422	0.922544	0.007413	0.691562	-0.583309	-0.021769	0.759163
859	18497	0.602216	0.927291	0.005602	0.769504	-0.590464	-0.010187	0.712763
860	18519	0.658477	0.927226	0.003704	0.847991	-0.596612	0.002324	0.662535
861	18540	0.712121	0.921974	0.001845	0.925522	-0.600559	0.015740	0.608495
862	18562	0.762152	0.911395	0.000135	1.000632	-0.600982	0.030030	0.550819
863	18583	0.807745	0.895562	-0.001339	1.072005	-0.596633	0.045162	0.489790
864	18605	0.848313	0.874697	-0.002522	1.138540	-0.586528	0.061093	0.425730
865	18626	0.883532	0.849100	-0.003386	1.199366	-0.570080	0.077769	0.358964
866	18648	0.913346	0.819066	-0.003935	1.253799	-0.547165	0.095109	0.289795
867	18669	0.937939	0.784830	-0.004199	1.301265	-0.518105	0.112998	0.218530
868	18691	0.957683	0.746543	-0.004224	1.341209	-0.483587	0.131277	0.145522
869	18712	0.973072	0.704273	-0.004072	1.373019	-0.444530	0.149738	0.071235
870	18734	0.984644	0.658056	-0.003810	1.395984	-0.401939	0.168130	-0.003702
871	18755	0.992916	0.607952	-0.003504	1.409295	-0.356768	0.186163	-0.078456
872	18777	0.998313	0.554123	-0.003214	1.412093	-0.309817	0.203524	-0.152004
873	18798	1.001119	0.496887	-0.002991	1.403554	-0.261683	0.219896	-0.223180
874	18820	1.001448	0.436756	-0.002868	1.382991	-0.212758	0.234977	-0.290771
875	18842	0.999223	0.374433	-0.002864	1.349953	-0.163277	0.248499	-0.353631
876	18863	0.994190	0.310775	-0.002978	1.304308	-0.113391	0.260244	-0.410807
877	18885	0.985942	0.246728	-0.003196	1.246291	-0.063255	0.270050	-0.461628
878	18906	0.973967	0.183243	-0.003486	1.176507	-0.013098	0.277818	-0.505773
879	18928	0.957712	0.121197	-0.003809	1.095913	0.036721	0.283508	-0.543267
880	18949	0.936649	0.061327	-0.004119	1.005766	0.085697	0.287129	-0.574434
881	18971	0.910361	0.004201	-0.004369	0.907558	0.133192	0.288732	-0.599806
882	18992	0.878602	-0.049789	-0.004519	0.802953	0.178481	0.288398	-0.620004
883	19014	0.841362	-0.100388	-0.004537	0.693729	0.220806	0.286224	-0.635619
884	19035	0.798896	-0.147432	-0.004402	0.581723	0.259454	0.282316	-0.647114
885	19057	0.751726	-0.190777	-0.004107	0.468788	0.293816	0.276781	-0.654760
886	19078	0.700613	-0.230256	-0.003660	0.356744	0.323443	0.269724	-0.658621
887	19100	0.646495	-0.265647	-0.003076	0.247320	0.348084	0.261245	-0.658582
888	19121	0.590399	-0.296667	-0.002380	0.142096	0.367700	0.251439	-0.654409
889	19143	0.533342	-0.323014	-0.001599	0.042429	0.382464	0.240405	-0.645835
890	19165	0.476228	-0.344410	-0.000757	-0.050617	0.392740	0.228244	-0.632647
891	19186	0.419769	-0.360676	0.000127	-0.136334	0.399041	0.215067	-0.614765
892	19208	0.364417	-0.371794	0.001040	-0.214398	0.401979	0.201000	-0.592297
893	19229	0.310354	-0.377943	0.001981	-0.284877	0.402207	0.186185	-0.565570
894	19251	0.257511	-0.379525	0.002953	-0.348176	0.400351	0.170787	-0.535126
895	19272	0.205626	-0.377135	0.003965	-0.404962	0.396950	0.154987	-0.501702
896	19294	0.154332	-0.371516	0.005028	-0.456041	0.392407	0.138983	-0.466179
897	19315	0.103261	-0.363482	0.006150	-0.502223	0.386957	0.122977	-0.429520
898	19337	0.052143	-0.353833	0.007333	-0.544199	0.380654	0.107170	-0.392705
899	19358	0.000887	-0.343275	0.008569	-0.582434	0.373399	0.091744	-0.356650
900	19380	-0.050369	-0.332362	0.009842	-0.617108	0.364980	0.076852	-0.322147
901	19401	-0.101253	-0.321461	0.011127	-0.648105	0.355140	0.062605	-0.289804
902	19423	-0.151184	-0.310747	0.012390	-0.675057	0.343654	0.049068	-0.260000
903	19444	-0.199441	-0.300238	0.013595	-0.697428	0.330399	0.036258	-0.232877
904	19466	-0.245250	-0.289832	0.014704	-0.714631	0.315410	0.024146	-0.208340
905	19488	-0.287875	-0.279373	0.015683	-0.726143	0.298908	0.012671	-0.186101
906	19509	-0.326704	-0.268705	0.016504	-0.731611	0.281283	0.001756	-0.165735
907	19531	-0.361311	-0.257714	0.017146	-0.730924	0.263053	-0.008675	-0.146756
908	19552	-0.391482	-0.246360	0.017597	-0.724249	0.244788	-0.018677	-0.128699
909	19574	-0.417210	-0.234679	0.017851	-0.712017	0.227022	-0.028273	-0.111186
910	19595	-0.438656	-0.222776	0.017908	-0.694877	0.210170	-0.037442	-0.093984
911	19617	-0.456088	-0.210798	0.017773	-0.673624	0.194466	-0.046122	-0.077015
912	19638	-0.469809	-0.198904	0.017450	-0.649114	0.179929	-0.054218	-0.060353
913	19660	-0.480096	-0.187241	0.016945	-0.622187	0.166378	-0.061612	-0.044179
914	19681	-0.487149	-0.175922	0.016264	-0.593611	0.153481	-0.068191	-0.028731
915	19703	-0.491071	-0.165018	0.015414	-0.564035	0.140836	-0.073858	-0.014235
916	19724	-0.491872	-0.154558	0.014402	-0.533986	0.128057	-0.078560	-0.000864
917	19746	-0.489504	-0.144541	0.013240	-0.503872	0.114864	-0.082293	0.011300
918	19767	-0.483905	-0.134952	0.011947	-0.474004	0.101142	-0.085113	0.022266
919	19789	-0.475057	-0.125773	0.010548	-0.444625	0.086962	-0.087131	0.032118
920	19811	-0.463025	-0.116999	0.009077	-0.415922	0.072568	-0.088497	0.040982
921	19832	-0.447993	-0.108636	0.007573	-0.388047	0.058323	-0.089389	0.048989
922	19854	-0.430265	-0.100704	0.006081	-0.361115	0.044632	-0.089982	0.056247
923	19875	-0.410250	-0.093220	0.004647	-0.335193	0.031856	-0.090432	0.062835
924	19897	-0.388421	-0.086192	0.003314	-0.310292	0.020243	-0.090852	0.068808
925	19918	-0.365268	-0.079605	0.002117	-0.286360	0.009879	-0.091301	0.074233
926	19940	-0.341248	-0.073414	0.001082	-0.263278	0.000681	-0.091781	0.079214
927	19961	-0.316745	-0.067540	0.000219	-0.240875	-0.007581	-0.092234	0.083928
928	19983	-0.292046	-0.061878	-0.000476	-0.218949	-0.015221	-0.092563	0.088627
929	20004	-0.267338	-0.056310	-0.001019	-0.197303	-0.022572	-0.092642	0.093622
930	20026	-0.242729	-0.050716	-0.001441	-0.175779	-0.029903	-0.092344	0.099240
931	20047	-0.218279	-0.044994	-0.001776	-0.154290	-0.037372	-0.091559	0.105760
932	20069	-0.194040	-0.039072	-0.002063	-0.132845	-0.044987	-0.090214	0.113348
933	20090	-0.170093	-0.032919	-0.002340	-0.111556	-0.052609	-0.088284	0.121998
934	20112	-0.146579	-0.026541	-0.002633	-0.090623	-0.059989	-0.085796	0.131509
935	20134	-0.123701	-0.019985	-0.002962	-0.070310	-0.066816	-0.082828	0.141500
936	20155	-0.101724	-0.013318	-0.003333	-0.050904	-0.072782	-0.079493	0.151456
937	20177	-0.080950	-0.006622	-0.003737	-0.032668	-0.077643	-0.075929	0.160815
938	20198	-0.061678	0.000028	-0.004156	-0.015804	-0.081260	-0.072270	0.169064
939	20220	-0.044171	0.006572	-0.004566	-0.000411	-0.083619	-0.068638	0.175829
940	20241	-0.028621	0.012974	-0.004935	0.013522	-0.084826	-0.065117	0.180941
941	20263	-0.015125	0.019222	-0.005234	0.026125	-0.085078	-0.061753	0.184458
942	20284	-0.003672	0.025326	-0.005438	0.037623	-0.084626	-0.058548	0.186642
943	20306	0.005844	0.031309	-0.005531	0.048304	-0.083723	-0.055463	0.187899
944	20327	0.013610	0.037196	-0.005505	0.058485	-0.082593	-0.052437	0.188686
945	20349	0.019861	0.043006	-0.005366	0.068463	-0.081396	-0.049396	0.189412
946	20370	0.024853	0.048742	-0.005127	0.078482	-0.080225	-0.046274	0.190363
947	20392	0.028827	0.054389	-0.004810	0.088702	-0.079101	-0.043023	0.191641
948	20413	0.031989	0.059914	-0.004442	0.099185	-0.077997	-0.039627	0.193159
949	20435	0.034493	0.065274	-0.004050	0.109889	-0.076853	-0.036101	0.194665
950	20457	0.036442	0.070420	-0.003662	0.120680	-0.075597	-0.032492	0.195806
951	20478	0.037894	0.075303	-0.003298	0.131344	-0.074162	-0.028865	0.196201
952	20500	0.038870	0.079886	-0.002972	0.141612	-0.072491	-0.025297	0.195514
953	20521	0.039380	0.084137	-0.002690	0.151187	-0.070539	-0.021859	0.193512
954	20543	0.039429	0.088037	-0.002451	0.159767	-0.068270	-0.018605	0.190096
955	20564	0.039039	0.091565	-0.002249	0.167064	-0.065650	-0.015567	0.185302
956	20586	0.038251	0.094700	-0.002070	0.172831	-0.062646	-0.012750	0.179274
957	20607	0.037127	0.097404	-0.001903	0.176870	-0.059227	-0.010136	0.172224
958	20629	0.035750	0.099628	-0.001734	0.179049	-0.055372	-0.007692	0.164389
959	20650	0.034210	0.101301	-0.001552	0.179305	-0.051078	-0.005379	0.155990
960	20672	0.032596	0.102340	-0.001354	0.177650	-0.046369	-0.003165	0.147209
961	20693	0.030985	0.102658	-0.001137	0.174169	-0.041306	-0.001031	0.138178
962	20715	0.029438	0.102172	-0.000906	0.169016	-0.035986	0.001022	0.128988
963	20736	0.027990	0.100823	-0.000668	0.162402	-0.030535	0.002975	0.119696
964	20758	0.026652	0.098583	-0.000432	0.154579	-0.025101	0.004792	0.110346
965	20780	0.025417	0.095466	-0.000208	0.145827	-0.019832	0.006426	0.100981
966	20801	0.024264	0.091532	-0.000005	0.136432	-0.014864	0.007834	0.091649
967	20823	0.023165	0.086883	0.000172	0.126670	-0.010303	0.008977	0.082404
968	20844	0.022093	0.081659	0.000319	0.116788	-0.006220	0.009835	0.073308
969	20866	0.021028	0.076022	0.000439	0.106997	-0.002644	0.010403	0.064426
970	20887	0.019960	0.070141	0.000535	0.097461	0.000428	0.010698	0.055830
971	20909	0.018889	0.064182	0.000615	0.088298	0.003025	0.010752	0.047599
972	20930	0.017821	0.058293	0.000685	0.079582	0.005188	0.010607	0.039829
973	20952	0.016771	0.052598	0.000753	0.071350	0.006960	0.010310	0.032633
974	20973	0.015752	0.047190	0.000823	0.063610	0.008377	0.009908	0.026144
975	20995	0.014776	0.042135	0.000899	0.056350	0.009466	0.009440	0.020502
976	21016	0.013852	0.037475	0.000980	0.049552	0.010244	0.008940	0.015839
977	21038	0.012983	0.033230	0.001062	0.043192	0.010728	0.008429	0.012254
978	21059	0.012169	0.029407	0.001142	0.037250	0.010934	0.007923	0.009788
979	21081	0.011409	0.026004	0.001214	0.031716	0.010890	0.007428	0.008405
980	21103	0.010700	0.023010	0.001271	0.026586	0.010634	0.006950	0.007987
981	21124	0.010039	0.020408	0.001310	0.021867	0.010215	0.006489	0.008339
982	21146	0.009427	0.018177	0.001327	0.017569	0.009686	0.006044	0.009213
983	21167	0.008863	0.016286	0.001324	0.013710	0.009104	0.005616	0.010341
984	21189	0.008345	0.014700	0.001301	0.010304	0.008516	0.005203	0.011477
985	21210	0.007870	0.013376	0.001263	0.007357	0.007956	0.004804	0.012429
986	21232	0.007430	0.012267	0.001215	0.004866	0.007445	0.004418	0.013083
987	21253	0.007017	0.011329	0.001164	0.002812	0.006987	0.004043	0.013412
988	21275	0.006616	0.010517	0.001114	0.001157	0.006575	0.003679	0.013464
989	21296	0.006213	0.009798	0.001070	-0.000152	0.006195	0.003326	0.013338
990	21318	0.005795	0.009145	0.001035	-0.001178	0.005832	0.002987	0.013150
991	21339	0.005354	0.008546	0.001008	-0.001994	0.005475	0.002665	0.013006
992	21361	0.004885	0.007996	0.000991	-0.002667	0.005118	0.002365	0.012974
993	21382	0.004389	0.007500	0.000981	-0.003253	0.004761	0.002091	0.013075
994	21404	0.003873	0.007067	0.000975	-0.003792	0.004406	0.001846	0.013287
995	21426	0.003348	0.006705	0.000971	-0.004303	0.004059	0.001631	0.013562
996	21447	0.002825	0.006421	0.000966	-0.004783	0.003722	0.001444	0.013845
997	21469	0.002316	0.006214	0.000959	-0.005216	0.003393	0.001279	0.014095
998	21490	0.001829	0.006080	0.000949	-0.005578	0.003070	0.001130	0.014298
999	21512	0.001370	0.006004	0.000934	-0.005848	0.002746	0.000991	0.014474
1000	21533	0.000940	0.005972	0.000917	-0.006015	0.002417	0.000855	0.014662
1001	21555	0.000538	0.005965	0.000896	-0.006084	0.002082	0.000719	0.014906
1002	21576	0.000162	0.005968	0.000875	-0.006076	0.001748	0.000584	0.015243
1003	21598	-0.000190	0.005968	0.000852	-0.006027	0.001424	0.000452	0.015678
1004	21619	-0.000519	0.005955	0.000830	-0.005978	0.001126	0.000330	0.016184
1005	21641	-0.000824	0.005928	0.000809	-0.005967	0.000868	0.000223	0.016705
1006	21662	-0.001101	0.005886	0.000790	-0.006019	0.000660	0.000137	0.017168
1007	21684	-0.001345	0.005835	0.000774	-0.006145	0.000507	0.000073	0.017504
1008	21705	-0.001551	0.005779	0.000759	-0.006336	0.000405	0.000029	0.017667
1009	21727	-0.001713	0.005725	0.000747	-0.006570	0.000342	0.000002	0.017647
1010	21749	-0.001827	0.005677	0.000739	-0.006819	0.000301	-0.000017	0.017481
1011	21770	-0.001893	0.005638	0.000733	-0.007059	0.000266	-0.000034	0.017244
1012	21792	-0.001913	0.005610	0.000730	-0.007277	0.000221	-0.000055	0.017033
1013	21813	-0.001889	0.005592	0.000730	-0.007479	0.000161	-0.000084	0.016953
1014	21835	-0.001827	0.005583	0.000733	-0.007685	0.000088	-0.000120	0.017089
1015	21856	-0.001735	0.005582	0.000738	-0.007930	0.000011	-0.000158	0.017493
1016	21878	-0.001621	0.005588	0.000744	-0.008248	-0.000053	-0.000194	0.018174
1017	21899	-0.001492	0.005598	0.000752	-0.008665	-0.000092	-0.000221	0.019096
1018	21921	-0.001358	0.005612	0.000759	-0.009187	-0.000095	-0.000234	0.020187
1019	21942	-0.001226	0.005628	0.000767	-0.009794	-0.000058	-0.000232	0.021350
1020	21964	-0.001105	0.005644	0.000773	-0.010437	0.000009	-0.000216	0.022481
1021	21985	-0.001002	0.005659	0.000778	-0.011051	0.000093	-0.000192	0.023479
1022	22007	-0.000923	0.005672	0.000782	-0.011561	0.000173	-0.000168	0.024256
1023	22028	-0.000874	0.005680	0.000785	-0.011899	0.000231	-0.000149	0.024748

Subject 11 left FFT

		Subject 11 0,0	Subject 11 36,0	Subject 11 72,0	Subject 11 36,16	Subject 11 36,48	Subject 11 36,80	Subject 11 36,112
0	0	-0.501873	-0.543987	-0.601801	-0.538178	-0.535790	-0.517169	-0.909401
1	22	-0.494251	-0.535814	-0.597350	-0.536728	-0.533895	-0.511460	-0.871007
2	43	-0.472925	-0.512564	-0.583556	-0.531376	-0.527185	-0.494489	-0.762408
3	65	-0.442068	-0.477681	-0.559197	-0.519316	-0.512816	-0.466683	-0.602001
4	86	-0.407237	-0.435788	-0.522569	-0.496536	-0.486778	-0.428632	-0.416234
5	108	-0.373680	-0.391317	-0.471918	-0.458666	-0.444828	-0.380938	-0.234232
6	129	-0.344634	-0.347160	-0.405918	-0.401958	-0.383527	-0.324098	-0.081980
7	151	-0.320094	-0.303689	-0.324125	-0.324189	-0.301151	-0.258435	0.022721
8	172	-0.296402	-0.258445	-0.227294	-0.225331	-0.198316	-0.184140	0.073472
9	194	-0.266796	-0.206608	-0.117514	-0.107863	-0.078174	-0.101405	0.076029
10	215	-0.222823	-0.142156	0.001868	0.023344	0.053833	-0.010634	0.046512
11	237	-0.156313	-0.059454	0.126528	0.161543	0.190626	0.087325	0.007526
12	258	-0.061428	0.045115	0.251605	0.298961	0.324411	0.190987	-0.016913
13	280	0.063693	0.171878	0.372216	0.427820	0.447698	0.298136	-0.006518
14	301	0.216088	0.317293	0.483969	0.541369	0.554226	0.405870	0.051157
15	323	0.388160	0.474214	0.583377	0.634743	0.639649	0.510800	0.158460
16	345	0.568846	0.632970	0.668126	0.705522	0.701880	0.609361	0.307615
17	366	0.745528	0.783012	0.737134	0.753884	0.741067	0.698197	0.482816
18	388	0.906259	0.914752	0.790429	0.782357	0.759252	0.774531	0.663851
19	409	1.041813	1.021181	0.828861	0.795214	0.759808	0.836462	0.830369
20	431	1.147117	1.098891	0.853723	0.797633	0.746788	0.883120	0.965812
21	452	1.221793	1.148275	0.866351	0.794764	0.724305	0.914662	1.060165
22	474	1.269723	1.172912	0.867795	0.790884	0.696061	0.932117	1.111020
23	495	1.297786	1.178279	0.858595	0.788757	0.665045	0.937119	1.122838
24	517	1.314077	1.170160	0.838735	0.789312	0.633444	0.931602	1.104758
25	538	1.326038	1.153145	0.807752	0.791663	0.602701	0.917508	1.067600
26	560	1.338896	1.129582	0.764986	0.793449	0.573661	0.896577	1.020865
27	581	1.354715	1.099257	0.709909	0.791412	0.546751	0.870240	0.970485
28	603	1.372233	1.059831	0.642469	0.782096	0.522126	0.839623	0.917846
29	624	1.387428	1.007923	0.563382	0.762530	0.499754	0.805620	0.860243
30	646	1.394639	0.940517	0.474292	0.730787	0.479451	0.769001	0.792572
31	668	1.387949	0.856318	0.377789	0.686326	0.460879	0.730492	0.709729
32	689	1.362497	0.756672	0.277248	0.630084	0.443552	0.690803	0.609021
33	711	1.315473	0.645800	0.176525	0.564318	0.426865	0.650576	0.491909
34	732	1.246594	0.530237	0.079556	0.492254	0.410184	0.610282	0.364572
35	754	1.158049	0.417620	-0.010089	0.417616	0.392952	0.570094	0.237092
36	775	1.053980	0.315085	-0.089618	0.344128	0.374812	0.529788	0.121419
37	797	0.939670	0.227678	-0.157332	0.275055	0.355687	0.488724	0.028604
38	818	0.820636	0.157185	-0.212808	0.212866	0.335775	0.445932	-0.034050
39	840	0.701829	0.101663	-0.256905	0.159031	0.315453	0.400302	-0.065157
40	861	0.587076	0.055830	-0.291615	0.113964	0.295081	0.350847	-0.070196
41	883	0.478808	0.012239	-0.319766	0.077093	0.274759	0.296976	-0.060899
42	904	0.378090	-0.037031	-0.344639	0.047023	0.254094	0.238714	-0.053147
43	926	0.284851	-0.098535	-0.369533	0.021758	0.232055	0.176796	-0.063758
44	947	0.198243	-0.175908	-0.397360	-0.001048	0.206978	0.112609	-0.106843
45	969	0.117019	-0.268959	-0.430297	-0.023839	0.176744	0.047968	-0.190496
46	991	0.039861	-0.373600	-0.469545	-0.048894	0.139141	-0.015230	-0.314575
47	1012	-0.034376	-0.482652	-0.515220	-0.078097	0.092326	-0.075392	-0.470076
48	1034	-0.106510	-0.587322	-0.566373	-0.112710	0.035313	-0.131589	-0.640298
49	1055	-0.176962	-0.679014	-0.621123	-0.153184	-0.031634	-0.183770	-0.803637
50	1077	-0.245728	-0.751076	-0.676895	-0.199028	-0.106815	-0.232802	-0.937484
51	1098	-0.312406	-0.800084	-0.730708	-0.248759	-0.187167	-0.280297	-1.022497
52	1120	-0.376251	-0.826398	-0.779504	-0.299968	-0.268629	-0.328262	-1.046417
53	1141	-0.436282	-0.833897	-0.820463	-0.349514	-0.346733	-0.378642	-1.006690
54	1163	-0.491442	-0.828977	-0.851276	-0.393859	-0.417330	-0.432861	-0.911384
55	1184	-0.540814	-0.819066	-0.870373	-0.429514	-0.477291	-0.491457	-0.778199
56	1206	-0.583868	-0.811024	-0.877059	-0.453548	-0.525057	-0.553904	-0.631734
57	1227	-0.620701	-0.809778	-0.871568	-0.464086	-0.560885	-0.618660	-0.499493
58	1249	-0.652215	-0.817487	-0.855033	-0.460721	-0.586761	-0.683426	-0.407314
59	1270	-0.680159	-0.833399	-0.829357	-0.444745	-0.605950	-0.745571	-0.375020
60	1292	-0.707019	-0.854370	-0.797023	-0.419160	-0.622308	-0.802624	-0.413024
61	1314	-0.735704	-0.875899	-0.760833	-0.388426	-0.639462	-0.852719	-0.520449
62	1335	-0.769097	-0.893377	-0.723623	-0.357986	-0.660049	-0.894894	-0.685055
63	1357	-0.809515	-0.903257	-0.687954	-0.333606	-0.685176	-0.929195	-0.884965
64	1378	-0.858195	-0.903863	-0.655844	-0.320661	-0.714212	-0.956550	-1.091887
65	1400	-0.914917	-0.895673	-0.628541	-0.323443	-0.744956	-0.978459	-1.275311
66	1421	-0.977861	-0.881046	-0.606376	-0.344635	-0.774153	-0.996579	-1.407011
67	1443	-1.043764	-0.863488	-0.588724	-0.385008	-0.798232	-1.012304	-1.465179
68	1464	-1.108379	-0.846690	-0.574069	-0.443406	-0.814117	-1.026441	-1.437558
69	1486	-1.167166	-0.833561	-0.560183	-0.516985	-0.819918	-1.039055	-1.323169
70	1507	-1.216114	-0.825532	-0.544387	-0.601683	-0.815364	-1.049513	-1.132385
71	1529	-1.252527	-0.822258	-0.523886	-0.692797	-0.801882	-1.056721	-0.885390
72	1550	-1.275630	-0.821791	-0.496113	-0.785582	-0.782305	-1.059472	-0.609299
73	1572	-1.286853	-0.821150	-0.459065	-0.875763	-0.760291	-1.056838	-0.334352
74	1593	-1.289735	-0.817123	-0.411561	-0.959876	-0.739581	-1.048488	-0.089759
75	1615	-1.289425	-0.807101	-0.353414	-1.035424	-0.723267	-1.034875	0.100206
76	1637	-1.291872	-0.789722	-0.285470	-1.100831	-0.713229	-1.017225	0.219345
77	1658	-1.302840	-0.765195	-0.209527	-1.155266	-0.709871	-0.997359	0.261470
78	1680	-1.326916	-0.735228	-0.128129	-1.198399	-0.712197	-0.977358	0.230900
79	1701	-1.366701	-0.702599	-0.044281	-1.230172	-0.718189	-0.959182	0.141495
80	1723	-1.422335	-0.670499	0.038898	-1.250650	-0.725411	-0.944306	0.014388
81	1744	-1.491428	-0.641801	0.118507	-1.259991	-0.731653	-0.933464	-0.125218
82	1766	-1.569429	-0.618448	0.192168	-1.258528	-0.735486	-0.926546	-0.251721
83	1787	-1.650342	-0.601074	0.258239	-1.246932	-0.736579	-0.922667	-0.342729
84	1809	-1.727662	-0.588946	0.315917	-1.226383	-0.735707	-0.920381	-0.382116
85	1830	-1.795343	-0.580198	0.365230	-1.198691	-0.734462	-0.917974	-0.362097
86	1852	-1.848629	-0.572289	0.406916	-1.166296	-0.734721	-0.913777	-0.284103
87	1873	-1.884594	-0.562563	0.442214	-1.132112	-0.738026	-0.906429	-0.158346
88	1895	-1.902297	-0.548761	0.472610	-1.099235	-0.745018	-0.895027	-0.002220
89	1916	-1.902572	-0.529397	0.499575	-1.070526	-0.755067	-0.879157	0.162217
90	1938	-1.887489	-0.503923	0.524327	-1.048177	-0.766204	-0.858819	0.311292
91	1960	-1.859651	-0.472684	0.547670	-1.033311	-0.775368	-0.834271	0.422878
92	1981	-1.821465	-0.436705	0.569901	-1.025722	-0.778930	-0.805857	0.479253
93	2003	-1.774566	-0.397398	0.590829	-1.023797	-0.773374	-0.773861	0.469313
94	2024	-1.719502	-0.356255	0.609855	-1.024650	-0.755995	-0.738432	0.389899
95	2046	-1.655745	-0.314612	0.626132	-1.024449	-0.725454	-0.699581	0.246138
96	2067	-1.582008	-0.273511	0.638741	-1.018876	-0.682065	-0.657243	0.050789
97	2089	-1.496782	-0.233651	0.646880	-1.003654	-0.627768	-0.611380	-0.177278
98	2110	-1.398958	-0.195404	0.650003	-0.975030	-0.565777	-0.562066	-0.415264
99	2132	-1.288394	-0.158848	0.647925	-0.930164	-0.499995	-0.509544	-0.639047
100	2153	-1.166268	-0.123780	0.640838	-0.867353	-0.434310	-0.454201	-0.825912
101	2175	-1.035166	-0.089689	0.629276	-0.786091	-0.371926	-0.396494	-0.957128
102	2196	-0.898856	-0.055705	0.614014	-0.686961	-0.314862	-0.336825	-1.020096
103	2218	-0.761803	-0.020563	0.595932	-0.571428	-0.263709	-0.275410	-1.009821
104	2239	-0.628528	0.017378	0.575873	-0.441591	-0.217674	-0.212190	-0.929527
105	2261	-0.502947	0.060009	0.554510	-0.299935	-0.174906	-0.146802	-0.790297
106	2283	-0.387809	0.109227	0.532260	-0.149161	-0.132981	-0.078647	-0.609730
107	2304	-0.284354	0.166596	0.509239	0.007908	-0.089477	-0.007036	-0.409708
108	2326	-0.192239	0.232968	0.485289	0.168339	-0.042486	0.068617	-0.213510
109	2347	-0.109719	0.308155	0.460049	0.329054	0.009017	0.148585	-0.042623
110	2369	-0.034045	0.390736	0.433069	0.486784	0.065018	0.232665	0.086333
111	2390	0.038033	0.478083	0.403941	0.638072	0.124515	0.320087	0.164076
112	2412	0.109750	0.566629	0.372425	0.779344	0.185763	0.409537	0.190143
113	2433	0.183907	0.652359	0.338549	0.907073	0.246621	0.499280	0.173040
114	2455	0.262592	0.731439	0.302662	1.018027	0.304937	0.587367	0.128988
115	2476	0.347083	0.800869	0.265429	1.109555	0.358884	0.671882	0.079345
116	2498	0.437892	0.859013	0.227775	1.179881	0.407200	0.751190	0.047098
117	2519	0.534913	0.905901	0.190770	1.228330	0.449305	0.824135	0.052947
118	2541	0.637600	0.943202	0.155490	1.255464	0.485301	0.890164	0.111658
119	2562	0.745124	0.973893	0.122858	1.263075	0.515882	0.949353	0.229336
120	2584	0.856455	1.001647	0.093501	1.254046	0.542206	1.002369	0.402145
121	2606	0.970385	1.030092	0.067643	1.232092	0.565745	1.050355	0.616755
122	2627	1.085480	1.062085	0.045041	1.201414	0.588160	1.094792	0.852494
123	2649	1.200028	1.099140	0.025000	1.166333	0.611190	1.137354	1.084844
124	2670	1.312015	1.141163	0.006435	1.130936	0.636566	1.179775	1.289687
125	2692	1.419171	1.186509	-0.011990	1.098796	0.665922	1.223723	1.447484
126	2713	1.519109	1.232379	-0.031693	1.072784	0.700699	1.270697	1.546641
127	2735	1.609550	1.275439	-0.053972	1.054990	0.742035	1.321916	1.585380
128	2756	1.688604	1.312528	-0.079812	1.046742	0.790648	1.378207	1.571771
129	2778	1.755046	1.341304	-0.109713	1.048695	0.846734	1.439881	1.521908
130	2799	1.808555	1.360667	-0.143577	1.060975	0.909906	1.506626	1.456590
131	2821	1.849828	1.370886	-0.180652	1.083320	0.979198	1.577421	1.397162
132	2842	1.880576	1.373395	-0.219559	1.115212	1.053151	1.650515	1.361342
133	2864	1.903347	1.370318	-0.258397	1.155977	1.129962	1.723494	1.359860
134	2885	1.921230	1.363834	-0.294907	1.204833	1.207680	1.793449	1.394571
135	2907	1.937461	1.355529	-0.326695	1.260917	1.284411	1.857231	1.458382
136	2929	1.954985	1.345894	-0.351473	1.323266	1.358474	1.911780	1.536991
137	2950	1.976053	1.334072	-0.367307	1.390798	1.428491	1.954459	1.612023
138	2972	2.001911	1.317928	-0.372824	1.462294	1.493376	1.983350	1.664895
139	2993	2.032626	1.294420	-0.367377	1.536379	1.552248	1.997439	1.680593
140	3015	2.067092	1.260203	-0.351124	1.611533	1.604286	1.996660	1.650573
141	3036	2.103210	1.212322	-0.325035	1.686100	1.648590	1.981779	1.574198
142	3058	2.138227	1.148874	-0.290805	1.758312	1.684090	1.954132	1.458452
143	3079	2.169194	1.069473	-0.250696	1.826316	1.709551	1.915283	1.316047
144	3101	2.193460	0.975441	-0.207320	1.888182	1.723685	1.866652	1.162363
145	3122	2.209144	0.869685	-0.163388	1.941917	1.725356	1.809216	1.011922
146	3144	2.215495	0.756279	-0.121455	1.985457	1.713821	1.743325	0.875179
147	3165	2.213071	0.639842	-0.083687	2.016673	1.688959	1.668701	0.756325
148	3187	2.203711	0.524840	-0.051677	2.033386	1.651390	1.584594	0.652579
149	3208	2.190268	0.414945	-0.026326	2.033408	1.602463	1.490087	0.555080
150	3230	2.176159	0.312570	-0.007804	2.014634	1.544073	1.384465	0.451203
151	3252	2.164776	0.218668	0.004413	1.975182	1.478354	1.267579	0.327746
152	3273	2.158865	0.132819	0.011441	1.913582	1.407293	1.140114	0.174303
153	3295	2.159981	0.053581	0.014823	1.829006	1.332379	1.003700	-0.013911
154	3316	2.168115	-0.020992	0.016340	1.721496	1.254367	0.860847	-0.234400
155	3338	2.181573	-0.092754	0.017809	1.592173	1.173234	0.714702	-0.477240
156	3359	2.197140	-0.162948	0.020888	1.443355	1.088356	0.568677	-0.726479
157	3381	2.210507	-0.231853	0.026916	1.278550	0.998865	0.426019	-0.962797
158	3402	2.216905	-0.298681	0.036792	1.102294	0.904110	0.289400	-1.166869
159	3424	2.211828	-0.361750	0.050900	0.919798	0.804090	0.160607	-1.322772
160	3445	2.191719	-0.418900	0.069089	0.736444	0.699741	0.040364	-1.420733
161	3467	2.154510	-0.468067	0.090688	0.557153	0.592952	-0.071683	-1.458722
162	3488	2.099896	-0.507900	0.114567	0.385728	0.486288	-0.176823	-1.442596
163	3510	2.029320	-0.538286	0.139219	0.224254	0.382436	-0.277037	-1.384813
164	3531	1.945653	-0.560668	0.162870	0.072682	0.283486	-0.374685	-1.302027
165	3553	1.852637	-0.578056	0.183599	-0.071319	0.190225	-0.472189	-1.212058
166	3575	1.754194	-0.594718	0.199475	-0.212158	0.101618	-0.571739	-1.130834
167	3596	1.653712	-0.615565	0.208691	-0.355771	0.014662	-0.675071	-1.069902
168	3618	1.553444	-0.645336	0.209707	-0.508750	-0.075300	-0.783304	-1.034901
169	3639	1.454099	-0.687723	0.201386	-0.677275	-0.173804	-0.896843	-1.025254
170	3661	1.354701	-0.744600	0.183114	-0.866007	-0.286136	-1.015342	-1.035017
171	3682	1.252719	-0.815513	0.154901	-1.077114	-0.416064	-1.137712	-1.054652
172	3704	1.144430	-0.897568	0.117438	-1.309624	-0.564705	-1.262186	-1.073304
173	3725	1.025462	-0.985742	0.072100	-1.559235	-0.729791	-1.386430	-1.081126
174	3747	0.891411	-1.073623	0.020895	-1.818651	-0.905545	-1.507732	-1.071196
175	3768	0.738446	-1.154443	-0.033674	-2.078424	-1.083270	-1.623252	-1.040716
176	3790	0.563810	-1.222245	-0.088795	-2.328182	-1.252597	-1.730335	-0.991329
177	3811	0.366156	-1.272952	-0.141607	-2.558055	-1.403198	-1.826855	-0.928582
178	3833	0.145676	-1.305140	-0.189473	-2.760045	-1.526648	-1.911544	-0.860720
179	3854	-0.095985	-1.320340	-0.230272	-2.929099	-1.618087	-1.984232	-0.797092
180	3876	-0.356007	-1.322775	-0.262644	-3.063687	-1.677302	-2.045948	-0.746499
181	3898	-0.630832	-1.318579	-0.286166	-3.165745	-1.709004	-2.098825	-0.715777
182	3919	-0.916674	-1.314586	-0.301424	-3.240002	-1.722177	-2.145794	-0.708841
183	3941	-1.210042	-1.316939	-0.309968	-3.292782	-1.728590	-2.190080	-0.726272
184	3962	-1.508179	-1.329765	-0.314125	-3.330505	-1.740712	-2.234587	-0.765465
185	3984	-1.809332	-1.354186	-0.316716	-3.358174	-1.769428	-2.281260	-0.821210
186	4005	-2.112805	-1.387875	-0.320676	-3.378135	-1.821975	-2.330548	-0.886549
187	4027	-2.418751	-1.425269	-0.328647	-3.389363	-1.900502	-2.381087	-0.953740
188	4048	-2.727704	-1.458427	-0.342583	-3.387433	-2.001551	-2.429691	-1.015150
189	4070	-3.039934	-1.478383	-0.363431	-3.365209	-2.116557	-2.471675	-1.063984
190	4091	-3.354698	-1.476749	-0.390935	-3.314131	-2.233280	-2.501470	-1.094781
191	4113	-3.669562	-1.447274	-0.423594	-3.225888	-2.337911	-2.513446	-1.103700
192	4134	-3.979910	-1.387042	-0.458789	-3.094155	-2.417434	-2.502796	-1.088606
193	4156	-4.278815	-1.297086	-0.493065	-2.916081	-2.461804	-2.466312	-1.049036
194	4177	-4.557333	-1.182286	-0.522538	-2.693234	-2.465543	-2.402907	-0.986074
195	4199	-4.805266	-1.050567	-0.543374	-2.431825	-2.428461	-2.313789	-0.902181
196	4221	-5.012299	-0.911557	-0.552271	-2.142148	-2.355398	-2.202245	-0.800964
197	4242	-5.169371	-0.774951	-0.546888	-1.837330	-2.255082	-2.073071	-0.686904
198	4264	-5.270051	-0.648909	-0.526147	-1.531619	-2.138351	-1.931781	-0.564995
199	4285	-5.311665	-0.538789	-0.490383	-1.238487	-2.016118	-1.783726	-0.440322
200	4307	-5.295948	-0.446438	-0.441306	-0.968897	-1.897471	-1.633319	-0.317568
201	4328	-5.229054	-0.370181	-0.381790	-0.730020	-1.788279	-1.483497	-0.200526
202	4350	-5.120878	-0.305462	-0.315518	-0.524588	-1.690521	-1.335522	-0.091668
203	4371	-4.983759	-0.245989	-0.246529	-0.350987	-1.602427	-1.189147	0.008135
204	4393	-4.830777	-0.185148	-0.178732	-0.204007	-1.519331	-1.043076	0.099661
205	4414	-4.673911	-0.117367	-0.115456	-0.076093	-1.435006	-0.895620	0.185121
206	4436	-4.522413	-0.039185	-0.059096	0.041163	-1.343183	-0.745381	0.267670
207	4457	-4.381664	0.050179	-0.010889	0.155567	-1.238914	-0.591816	0.350708
208	4479	-4.252746	0.148843	0.029135	0.273150	-1.119528	-0.435558	0.437077
209	4500	-4.132782	0.252805	0.062045	0.397452	-0.985021	-0.278438	0.528299
210	4522	-4.015980	0.356876	0.089760	0.529341	-0.837859	-0.123204	0.624018
211	4544	-3.895150	0.455760	0.114698	0.667320	-0.682290	0.026972	0.721767
212	4565	-3.763394	0.545059	0.139379	0.808216	-0.523383	0.169094	0.817137
213	4587	-3.615609	0.621985	0.166042	0.948038	-0.366013	0.300887	0.904361
214	4608	-3.449520	0.685650	0.196327	1.082837	-0.214036	0.421193	0.977218
215	4630	-3.266034	0.736928	0.231056	1.209378	-0.069803	0.530108	1.030121
216	4651	-3.068865	0.777941	0.270148	1.325526	0.065915	0.628856	1.059168
217	4673	-2.863533	0.811345	0.312666	1.430308	0.193626	0.719437	1.062962
218	4694	-2.655972	0.839586	0.356978	1.523704	0.314570	0.804136	1.043011
219	4716	-2.451048	0.864315	0.401009	1.606253	0.430084	0.885021	1.003614
220	4737	-2.251329	0.886091	0.442531	1.678620	0.541054	0.963538	0.951221
221	4759	-2.056350	0.904408	0.479457	1.741232	0.647604	1.040301	0.893362
222	4780	-1.862542	0.918015	0.510095	1.794082	0.749062	1.115103	0.837353
223	4802	-1.663828	0.925431	0.533325	1.836730	0.844218	1.187143	0.789004
224	4823	-1.452761	0.925481	0.548688	1.868489	0.931762	1.255390	0.751608
225	4845	-1.221961	0.917733	0.556367	1.888721	1.010789	1.318994	0.725401
226	4867	-0.965572	0.902695	0.557099	1.897157	1.081224	1.377628	0.707623
227	4888	-0.680437	0.881746	0.552001	1.894136	1.144038	1.431676	0.693187
228	4910	-0.366788	0.856804	0.542378	1.880702	1.201207	1.482214	0.675811
229	4931	-0.028337	0.829846	0.529521	1.858527	1.255412	1.530785	0.649414
230	4953	0.328230	0.802380	0.514526	1.829663	1.309537	1.579021	0.609466
231	4974	0.694225	0.775040	0.498178	1.796202	1.366086	1.628198	0.554033
232	4996	1.060182	0.747393	0.480884	1.759904	1.426658	1.678825	0.484277
233	5017	1.417119	0.718024	0.462685	1.721899	1.491571	1.730361	0.404310
234	5039	1.757596	0.684884	0.443318	1.682527	1.559743	1.781143	0.320427
235	5060	2.076426	0.645823	0.422329	1.641352	1.628828	1.828524	0.239874
236	5082	2.370936	0.599187	0.399202	1.597349	1.695590	1.869226	0.169412
237	5103	2.640821	0.544334	0.373490	1.549217	1.756421	1.899820	0.113990
238	5125	2.887649	0.481954	0.344928	1.495751	1.807909	1.917252	0.075811
239	5146	3.114168	0.414101	0.313498	1.436177	1.847341	1.919317	0.053988
240	5168	3.323569	0.343939	0.279459	1.370386	1.873055	1.904999	0.044869
241	5190	3.518833	0.275243	0.243322	1.299009	1.884607	1.874600	0.042950
242	5211	3.702271	0.211764	0.205794	1.223320	1.882722	1.829675	0.042176
243	5233	3.875297	0.156591	0.167685	1.144991	1.869091	1.772759	0.037317
244	5254	4.038433	0.111639	0.129812	1.065756	1.846048	1.706968	0.025127
245	5276	4.191495	0.077374	0.092903	0.987060	1.816202	1.635530	0.005004
246	5297	4.333898	0.052818	0.057529	0.909763	1.782102	1.561337	-0.020983
247	5319	4.464976	0.035830	0.024055	0.833972	1.745944	1.486584	-0.048711
248	5340	4.584276	0.023593	-0.007364	0.759027	1.709380	1.412547	-0.073113
249	5362	4.691739	0.013207	-0.036764	0.683649	1.673402	1.339512	-0.089510
250	5383	4.787755	0.002261	-0.064317	0.606220	1.638312	1.266883	-0.094849
251	5405	4.873089	-0.010724	-0.090269	0.525136	1.603747	1.193397	-0.088547
252	5426	4.948685	-0.026061	-0.114873	0.439170	1.568756	1.117450	-0.072730
253	5448	5.015394	-0.042903	-0.138327	0.347777	1.531919	1.037447	-0.051806
254	5469	5.073688	-0.059479	-0.160736	0.251285	1.491509	0.952142	-0.031459
255	5491	5.123394	-0.073491	-0.182093	0.150950	1.445701	0.860914	-0.017314
256	5513	5.163528	-0.082583	-0.202283	0.048852	1.392808	0.763947	-0.013582
257	5534	5.192254	-0.084806	-0.221114	-0.052332	1.331540	0.662281	-0.022014
258	5556	5.207001	-0.078962	-0.238350	-0.149638	1.261248	0.557737	-0.041445
259	5577	5.204731	-0.064809	-0.253760	-0.240179	1.182102	0.452717	-0.068025
260	5599	5.182328	-0.043066	-0.267156	-0.321479	1.095174	0.349906	-0.096125
261	5620	5.137044	-0.015264	-0.278417	-0.391757	1.002367	0.251916	-0.119691
262	5642	5.066918	0.016539	-0.287506	-0.450109	0.906207	0.160916	-0.133743
263	5663	4.971095	0.050104	-0.294457	-0.496576	0.809480	0.078320	-0.135654
264	5685	4.849949	0.083352	-0.299361	-0.532095	0.714796	0.004561	-0.125879
265	5706	4.704998	0.114657	-0.302333	-0.558335	0.624131	-0.060982	-0.107965
266	5728	4.538577	0.143028	-0.303482	-0.577462	0.538454	-0.119900	-0.087789
267	5749	4.353340	0.168169	-0.302885	-0.591844	0.457506	-0.174497	-0.072201
268	5771	4.151685	0.190427	-0.300572	-0.603752	0.379799	-0.227417	-0.067378
269	5792	3.935201	0.210625	-0.296527	-0.615086	0.302862	-0.281184	-0.077254
270	5814	3.704288	0.229841	-0.290701	-0.627156	0.223676	-0.337754	-0.102434
271	5835	3.458021	0.249152	-0.283039	-0.640558	0.139258	-0.398140	-0.139828
272	5857	3.194325	0.269393	-0.273510	-0.655152	0.047264	-0.462196	-0.183152
273	5879	2.910442	0.290972	-0.262142	-0.670141	-0.053503	-0.528594	-0.224179
274	5900	2.603615	0.313756	-0.249043	-0.684247	-0.162772	-0.595014	-0.254480
275	5922	2.271854	0.337053	-0.234413	-0.695959	-0.278750	-0.658516	-0.267278
276	5943	1.914636	0.359685	-0.218540	-0.703804	-0.398352	-0.716030	-0.258985
277	5965	1.533399	0.380142	-0.201776	-0.706620	-0.517665	-0.764881	-0.230060
278	5986	1.131713	0.396792	-0.184507	-0.703764	-0.632568	-0.803250	-0.185006
279	6008	0.715088	0.408113	-0.167108	-0.695248	-0.739385	-0.830490	-0.131466
280	6029	0.290460	0.412916	-0.149899	-0.681761	-0.835448	-0.847230	-0.078637
281	6051	-0.134568	0.410511	-0.133113	-0.664581	-0.919465	-0.855259	-0.035338
282	6072	-0.552563	0.400799	-0.116873	-0.645395	-0.991629	-0.857216	-0.008162
283	6094	-0.957048	0.384271	-0.101183	-0.626049	-1.053458	-0.856131	-0.000136
284	6115	-1.343066	0.361906	-0.085946	-0.608284	-1.107408	-0.854930	-0.010164
285	6137	-1.707463	0.334996	-0.070990	-0.593476	-1.156349	-0.855976	-0.033386
286	6158	-2.048837	0.304923	-0.056111	-0.582455	-1.203008	-0.860740	-0.062354
287	6180	-2.367202	0.272926	-0.041120	-0.575401	-1.249492	-0.869651	-0.088749
288	6202	-2.663455	0.239910	-0.025889	-0.571840	-1.296973	-0.882139	-0.105239
289	6223	-2.938777	0.206328	-0.010387	-0.570740	-1.345582	-0.896855	-0.107068
290	6245	-3.194067	0.172153	0.005303	-0.570670	-1.394516	-0.911992	-0.093011
291	6266	-3.429548	0.136958	0.020975	-0.570006	-1.442301	-0.925659	-0.065497
292	6288	-3.644572	0.100069	0.036318	-0.567130	-1.487149	-0.936209	-0.029904
293	6309	-3.837660	0.060771	0.050948	-0.560616	-1.527329	-0.942482	0.006804
294	6331	-4.006736	0.018522	0.064447	-0.549354	-1.561452	-0.943907	0.037758
295	6352	-4.149508	-0.026889	0.076416	-0.532624	-1.588652	-0.940486	0.057779
296	6374	-4.263901	-0.075238	0.086518	-0.510109	-1.608615	-0.932668	0.064529
297	6395	-4.348496	-0.125880	0.094520	-0.481870	-1.621489	-0.921171	0.058953
298	6417	-4.402889	-0.177835	0.100318	-0.448291	-1.627716	-0.906797	0.044939
299	6438	-4.427943	-0.229955	0.103947	-0.410022	-1.627836	-0.890297	0.028286
300	6460	-4.425904	-0.281125	0.105582	-0.367918	-1.622325	-0.872290	0.015249
301	6481	-4.400364	-0.330441	0.105512	-0.322986	-1.611502	-0.853266	0.011017
302	6503	-4.356075	-0.377340	0.104110	-0.276337	-1.595517	-0.833632	0.018475
303	6525	-4.298616	-0.421655	0.101793	-0.229131	-1.574423	-0.813777	0.037542
304	6546	-4.233934	-0.463572	0.098981	-0.182517	-1.548282	-0.794118	0.065219
305	6568	-4.167785	-0.503509	0.096053	-0.137544	-1.517280	-0.775097	0.096304
306	6589	-4.105125	-0.541953	0.093312	-0.095081	-1.481799	-0.757117	0.124607
307	6611	-4.049536	-0.579283	0.090963	-0.055716	-1.442428	-0.740427	0.144341
308	6632	-4.002747	-0.615625	0.089096	-0.019684	-1.399896	-0.724988	0.151360
309	6654	-3.964362	-0.650768	0.087682	0.013163	-1.354946	-0.710357	0.143981
310	6675	-3.931853	-0.684166	0.086591	0.043342	-1.308175	-0.695638	0.123185
311	6697	-3.900859	-0.715010	0.085601	0.071656	-1.259887	-0.679519	0.092207
312	6718	-3.865781	-0.742361	0.084436	0.099054	-1.209985	-0.660417	0.055629
313	6740	-3.820590	-0.765313	0.082793	0.126446	-1.157945	-0.636710	0.018221
314	6761	-3.759730	-0.783133	0.080379	0.154509	-1.102868	-0.607019	-0.016175
315	6783	-3.678952	-0.795372	0.076943	0.183514	-1.043621	-0.570477	-0.045459
316	6804	-3.575926	-0.801901	0.072307	0.213206	-0.979018	-0.526947	-0.069594
317	6826	-3.450490	-0.802888	0.066387	0.242768	-0.908029	-0.477111	-0.090399
318	6848	-3.304487	-0.798710	0.059206	0.270874	-0.829971	-0.422426	-0.110891
319	6869	-3.141200	-0.789837	0.050891	0.295836	-0.744644	-0.364937	-0.134365
320	6891	-2.964510	-0.776706	0.041670	0.315812	-0.652405	-0.306964	-0.163465
321	6912	-2.777943	-0.759623	0.031847	0.329050	-0.554161	-0.250747	-0.199479
322	6934	-2.583821	-0.738704	0.021776	0.334125	-0.451293	-0.198073	-0.242008
323	6955	-2.382728	-0.713877	0.011826	0.330129	-0.345527	-0.149992	-0.289097
324	6977	-2.173409	-0.684926	0.002340	0.316786	-0.238773	-0.106650	-0.337730
325	6998	-1.953168	-0.651575	-0.006395	0.294477	-0.132948	-0.067278	-0.384560
326	7020	-1.718683	-0.613586	-0.014178	0.264180	-0.029803	-0.030343	-0.426652
327	7041	-1.467090	-0.570849	-0.020917	0.227337	0.069230	0.006174	-0.462056
328	7063	-1.197081	-0.523457	-0.026632	0.185674	0.163157	0.044411	-0.490059
329	7084	-0.909795	-0.471739	-0.031450	0.141018	0.251510	0.086239	-0.511095
330	7106	-0.609249	-0.416269	-0.035586	0.095125	0.334378	0.132925	-0.526354
331	7127	-0.302220	-0.357838	-0.039309	0.049554	0.412388	0.184878	-0.537252
332	7149	0.002461	-0.297419	-0.042904	0.005597	0.486612	0.241544	-0.544927
333	7171	0.295085	-0.236107	-0.046629	-0.035745	0.558414	0.301441	-0.549925
334	7192	0.566482	-0.175073	-0.050678	-0.073734	0.629239	0.362332	-0.552166
335	7214	0.809440	-0.115499	-0.055148	-0.107849	0.700352	0.421524	-0.551198
336	7235	1.019811	-0.058519	-0.060021	-0.137723	0.772589	0.476218	-0.546637
337	7257	1.197124	-0.005151	-0.065166	-0.163093	0.846128	0.523894	-0.538625
338	7278	1.344561	0.043781	-0.070347	-0.183765	0.920350	0.562656	-0.528142
339	7300	1.468310	0.087734	-0.075256	-0.199594	0.993827	0.591505	-0.517022
340	7321	1.576420	0.126522	-0.079555	-0.210490	1.064440	0.610497	-0.507605
341	7343	1.677378	0.160380	-0.082919	-0.216422	1.129661	0.620766	-0.502105
342	7364	1.778679	0.189989	-0.085080	-0.217440	1.186930	0.624413	-0.501827
343	7386	1.885636	0.216445	-0.085870	-0.213682	1.234098	0.624254	-0.506471
344	7407	2.000654	0.241165	-0.085243	-0.205383	1.269845	0.623474	-0.513752
345	7429	2.123056	0.265732	-0.083278	-0.192872	1.293997	0.625210	-0.519497
346	7450	2.249471	0.291687	-0.080176	-0.176573	1.307662	0.632133	-0.518285
347	7472	2.374670	0.320299	-0.076225	-0.156999	1.313158	0.646064	-0.504530
348	7494	2.492668	0.352346	-0.071758	-0.134750	1.313702	0.667697	-0.473785
349	7515	2.597878	0.387950	-0.067110	-0.110509	1.312932	0.696472	-0.423961
350	7537	2.686087	0.426487	-0.062560	-0.085035	1.314301	0.730607	-0.356131
351	7558	2.755105	0.466613	-0.058292	-0.059148	1.320480	0.767329	-0.274672
352	7580	2.804983	0.506396	-0.054367	-0.033703	1.332865	0.803236	-0.186633
353	7601	2.837795	0.543536	-0.050712	-0.009546	1.351284	0.834777	-0.100418
354	7623	2.857066	0.575667	-0.047125	0.012536	1.373966	0.858755	-0.024028
355	7644	2.866966	0.600656	-0.043309	0.031883	1.397797	0.872795	0.036742
356	7666	2.871433	0.616891	-0.038909	0.048009	1.418807	0.875675	0.079715
357	7687	2.873398	0.623487	-0.033567	0.060647	1.432814	0.867493	0.107004
358	7709	2.874215	0.620386	-0.026976	0.069755	1.436111	0.849613	0.124707
359	7730	2.873419	0.608333	-0.018927	0.075501	1.426071	0.824413	0.141664
360	7752	2.868796	0.588743	-0.009340	0.078202	1.401549	0.794872	0.167487
361	7773	2.856767	0.563471	0.001712	0.078245	1.363042	0.764060	0.210306
362	7795	2.832993	0.534527	0.014012	0.075993	1.312554	0.734637	0.274750
363	7817	2.793095	0.503784	0.027216	0.071697	1.253217	0.708426	0.360637
364	7838	2.733387	0.472728	0.040896	0.065434	1.188735	0.686146	0.462720
365	7860	2.651491	0.442268	0.054581	0.057080	1.122763	0.667352	0.571600
366	7881	2.546765	0.412657	0.067814	0.046331	1.058340	0.650574	0.675613
367	7903	2.420465	0.383510	0.080201	0.032768	0.997455	0.633634	0.763293
368	7924	2.275648	0.353916	0.091445	0.015958	0.940832	0.614071	0.825846
369	7946	2.116817	0.322634	0.101374	-0.004439	0.887945	0.589599	0.859040
370	7967	1.949369	0.288321	0.109949	-0.028549	0.837238	0.558512	0.864055
371	7989	1.778929	0.249777	0.117252	-0.056207	0.786497	0.519962	0.847076
372	8010	1.610665	0.206161	0.123465	-0.086906	0.733280	0.474082	0.817685
373	8032	1.448692	0.157160	0.128830	-0.119794	0.675341	0.421925	0.786445
374	8053	1.295630	0.103085	0.133613	-0.153730	0.610954	0.365261	0.762239
375	8075	1.152404	0.044883	0.138060	-0.187357	0.539109	0.306275	0.750017
376	8096	1.018300	-0.015918	0.142364	-0.219221	0.459563	0.247218	0.749534
377	8118	0.891258	-0.077347	0.146633	-0.247876	0.372775	0.190100	0.755411
378	8140	0.768359	-0.137166	0.150883	-0.272001	0.279754	0.136450	0.758537
379	8161	0.646432	-0.193083	0.155030	-0.290481	0.181875	0.087193	0.748516
380	8183	0.522660	-0.242973	0.158906	-0.302469	0.080713	0.042629	0.716562
381	8204	0.395107	-0.285067	0.162276	-0.307421	-0.022079	0.002525	0.658126
382	8226	0.263067	-0.318121	0.164868	-0.305095	-0.124842	-0.033746	0.574584
383	8247	0.127198	-0.341506	0.166399	-0.295534	-0.225943	-0.067034	0.473505
384	8269	-0.010581	-0.355248	0.166612	-0.279032	-0.323783	-0.098256	0.367370
385	8290	-0.147400	-0.359988	0.165294	-0.256079	-0.416833	-0.128275	0.270972
386	8312	-0.279878	-0.356876	0.162295	-0.227303	-0.503691	-0.157832	0.198082
387	8333	-0.404616	-0.347410	0.157540	-0.193400	-0.583192	-0.187510	0.158165
388	8355	-0.518655	-0.333245	0.151030	-0.155064	-0.654547	-0.217739	0.153938
389	8376	-0.619805	-0.315985	0.142832	-0.112920	-0.717484	-0.248795	0.180418
390	8398	-0.706813	-0.296988	0.133068	-0.067461	-0.772350	-0.280805	0.225739
391	8419	-0.779346	-0.277212	0.121900	-0.019023	-0.820135	-0.313730	0.273633
392	8441	-0.837821	-0.257114	0.109508	0.032235	-0.862395	-0.347335	0.307032
393	8463	-0.883129	-0.236619	0.096080	0.086291	-0.901057	-0.381164	0.311987
394	8484	-0.916330	-0.215164	0.081792	0.143200	-0.938136	-0.414518	0.280982
395	8506	-0.938386	-0.191804	0.066806	0.202995	-0.975398	-0.446482	0.214820
396	8527	-0.949989	-0.165372	0.051264	0.265571	-1.014032	-0.475971	0.122619
397	8549	-0.951512	-0.134672	0.035290	0.330576	-1.054403	-0.501835	0.019834
398	8570	-0.943083	-0.098675	0.019002	0.397325	-1.095926	-0.522977	-0.075261
399	8592	-0.924747	-0.056689	0.002514	0.464762	-1.137113	-0.538490	-0.145847
400	8613	-0.896665	-0.008488	-0.014050	0.531482	-1.175777	-0.547771	-0.180595
401	8635	-0.859299	0.045621	-0.030548	0.595827	-1.209389	-0.550593	-0.176506
402	8656	-0.813529	0.104811	-0.046818	0.656032	-1.235500	-0.547125	-0.139842
403	8678	-0.760665	0.167809	-0.062672	0.710414	-1.252182	-0.537884	-0.084908
404	8699	-0.702362	0.233033	-0.077907	0.757563	-1.258381	-0.523636	-0.030902
405	8721	-0.640453	0.298770	-0.092309	0.796506	-1.254140	-0.505258	0.002442
406	8742	-0.576734	0.363366	-0.105666	0.826814	-1.240624	-0.483592	-0.000569
407	8764	-0.512763	0.425397	-0.117784	0.848623	-1.219964	-0.459312	-0.047870
408	8786	-0.449709	0.483805	-0.128497	0.862568	-1.194924	-0.432838	-0.137664
409	8807	-0.388292	0.537968	-0.137679	0.869638	-1.168458	-0.404296	-0.258672
410	8829	-0.328826	0.587703	-0.145256	0.870976	-1.143240	-0.373541	-0.392571
411	8850	-0.271345	0.633188	-0.151203	0.867664	-1.121228	-0.340225	-0.518073
412	8872	-0.215792	0.674840	-0.155546	0.860532	-1.103356	-0.303899	-0.615685
413	8893	-0.162221	0.713140	-0.158357	0.850027	-1.089393	-0.264136	-0.672045
414	8915	-0.110970	0.748461	-0.159740	0.836168	-1.077977	-0.220637	-0.682805
415	8936	-0.062771	0.780916	-0.159824	0.818594	-1.066841	-0.173327	-0.653392
416	8958	-0.018761	0.810255	-0.158744	0.796692	-1.053151	-0.122413	-0.597449
417	8979	0.019588	0.835835	-0.156637	0.769788	-1.033934	-0.068410	-0.533369
418	9001	0.050620	0.856665	-0.153626	0.737345	-1.006493	-0.012132	-0.479729
419	9022	0.072691	0.871530	-0.149813	0.699142	-0.968778	0.045347	-0.450760
420	9044	0.084374	0.879157	-0.145279	0.655392	-0.919636	0.102756	-0.452926
421	9065	0.084647	0.878414	-0.140081	0.606768	-0.858934	0.158708	-0.483469
422	9087	0.073019	0.868499	-0.134253	0.554343	-0.787543	0.211800	-0.531264
423	9109	0.049603	0.849080	-0.127811	0.499445	-0.707201	0.260716	-0.579765
424	9130	0.015105	0.820376	-0.120760	0.443453	-0.620283	0.304329	-0.611336
425	9152	-0.029231	0.783149	-0.113099	0.387584	-0.529528	0.341800	-0.611879
426	9173	-0.081742	0.738611	-0.104834	0.332700	-0.437753	0.372642	-0.574603
427	9195	-0.140480	0.688270	-0.095984	0.279173	-0.347591	0.396749	-0.501990
428	9216	-0.203368	0.633725	-0.086592	0.226836	-0.261274	0.414378	-0.405430
429	9238	-0.268351	0.576457	-0.076731	0.175032	-0.180479	0.426073	-0.302581
430	9259	-0.333534	0.517642	-0.066513	0.122740	-0.106232	0.432536	-0.213078
431	9281	-0.397306	0.458019	-0.056091	0.068775	-0.038872	0.434465	-0.153622
432	9302	-0.458430	0.397835	-0.045657	0.012016	0.021929	0.432379	-0.133677
433	9324	-0.516102	0.336867	-0.035436	-0.048373	0.077092	0.426473	-0.152843
434	9345	-0.569973	0.274527	-0.025674	-0.112762	0.128023	0.416515	-0.200618
435	9367	-0.620121	0.210016	-0.016617	-0.180937	0.176450	0.401844	-0.258660
436	9388	-0.666980	0.142512	-0.008488	-0.252081	0.224237	0.381444	-0.305055
437	9410	-0.711233	0.071354	-0.001464	-0.324832	0.273165	0.354119	-0.319613
438	9432	-0.753672	-0.003799	0.004352	-0.397436	0.324709	0.318728	-0.288910
439	9453	-0.795052	-0.082869	0.008947	-0.467950	0.379835	0.274443	-0.209851
440	9475	-0.835962	-0.165317	0.012412	-0.534488	0.438833	0.220971	-0.090848
441	9496	-0.876737	-0.250173	0.014940	-0.595461	0.501229	0.158708	0.049723
442	9518	-0.917415	-0.336120	0.016812	-0.649789	0.565791	0.088772	0.187503
443	9539	-0.957774	-0.421627	0.018369	-0.697045	0.630643	0.012905	0.297652
444	9561	-0.997414	-0.505094	0.019973	-0.737518	0.693478	-0.066742	0.360624
445	9582	-1.035879	-0.585002	0.021961	-0.772173	0.751859	-0.147906	0.366832
446	9604	-1.072795	-0.660031	0.024598	-0.802513	0.803556	-0.228538	0.319097
447	9625	-1.107979	-0.729149	0.028034	-0.830356	0.846879	-0.307088	0.232263
448	9647	-1.141501	-0.791639	0.032274	-0.857544	0.880939	-0.382689	0.130022
449	9668	-1.173679	-0.847090	0.037168	-0.885630	0.905808	-0.455213	0.039657
450	9690	-1.205001	-0.895335	0.042415	-0.915580	0.922516	-0.525160	-0.014103
451	9711	-1.235996	-0.936366	0.047599	-0.947536	0.932906	-0.593424	-0.014705
452	9733	-1.267077	-0.970233	0.052236	-0.980678	0.939340	-0.660477	0.042447
453	9755	-1.298399	-0.996949	0.055837	-1.013217	0.944309	-0.728475	0.148908
454	9776	-1.329753	-1.016426	0.057974	-1.042525	0.950012	-0.796069	0.285086
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
457	9841	-1.416517	-1.028675	0.053482	-1.078449	0.981785	-0.989546	0.610728
458	9862	-1.439362	-1.016153	0.048596	-1.062877	0.995553	-1.044616	0.623550
459	9884	-1.457317	-0.994899	0.042614	-1.030159	1.007679	-1.091234	0.579688
460	9905	-1.469589	-0.965002	0.036102	-0.979958	1.015373	-1.127564	0.491969
461	9927	-1.475732	-0.926912	0.029677	-0.913242	1.015858	-1.152499	0.382140
462	9948	-1.475655	-0.881493	0.023921	-0.832186	1.006815	-1.165839	0.275707
463	9970	-1.469554	-0.829999	0.019301	-0.739927	0.986756	-1.168305	0.196009
464	9991	-1.457789	-0.774004	0.016110	-0.640189	0.955248	-1.161377	0.158933
465	10013	-1.440740	-0.715261	0.014420	-0.536848	0.912975	-1.147002	0.169452
466	10034	-1.418679	-0.655546	0.014072	-0.433509	0.861615	-1.127219	0.220786
467	10056	-1.391680	-0.596472	0.014695	-0.333144	0.803571	-1.103776	0.296304
468	10078	-1.359591	-0.539340	0.015757	-0.237863	0.741601	-1.077821	0.373685
469	10099	-1.322064	-0.485034	0.016637	-0.148838	0.678418	-1.049710	0.430304
470	10121	-1.278628	-0.433972	0.016710	-0.066384	0.616336	-1.018975	0.448568
471	10142	-1.228780	-0.386149	0.015435	0.009825	0.557006	-0.984451	0.419946
472	10164	-1.172077	-0.341225	0.012431	0.080454	0.501292	-0.944532	0.346779
473	10185	-1.108190	-0.298672	0.007532	0.146171	0.449283	-0.897496	0.241496
474	10207	-1.036931	-0.257928	0.000813	0.207349	0.400441	-0.841850	0.123490
475	10228	-0.958241	-0.218542	-0.007416	0.263854	0.353821	-0.776624	0.014437
476	10250	-0.872172	-0.180265	-0.016645	0.314952	0.308328	-0.701563	-0.066794
477	10271	-0.778863	-0.143094	-0.026226	0.359349	0.262956	-0.617192	-0.108428
478	10293	-0.678550	-0.107241	-0.035453	0.395349	0.216960	-0.524762	-0.108281
479	10314	-0.571600	-0.073050	-0.043645	0.421101	0.169939	-0.426078	-0.073912
480	10336	-0.458573	-0.040884	-0.050228	0.434882	0.121841	-0.323260	-0.020477
481	10357	-0.340293	-0.011013	-0.054797	0.435367	0.072879	-0.218484	0.033156
482	10379	-0.217896	0.016483	-0.057163	0.421850	0.023423	-0.113731	0.069060
483	10401	-0.092824	0.041744	-0.057361	0.394363	-0.026129	-0.010607	0.074524
484	10422	0.033248	0.065121	-0.055645	0.353705	-0.075438	0.089783	0.044950
485	10444	0.158566	0.087100	-0.052444	0.301358	-0.124273	0.186864	-0.015289
486	10465	0.281498	0.108197	-0.048311	0.239331	-0.172499	0.280556	-0.094177
487	10487	0.400776	0.128840	-0.043849	0.169947	-0.220023	0.371186	-0.175201
488	10508	0.515693	0.149279	-0.039642	0.095622	-0.266717	0.459356	-0.241507
489	10530	0.626244	0.169535	-0.036191	0.018657	-0.312349	0.545810	-0.280037
490	10551	0.733146	0.189412	-0.033858	-0.058924	-0.356540	0.631295	-0.284658
491	10573	0.837740	0.208566	-0.032835	-0.135470	-0.398769	0.716434	-0.257547
492	10594	0.941774	0.226625	-0.033124	-0.209736	-0.438435	0.801629	-0.208529
493	10616	1.047109	0.243316	-0.034549	-0.280862	-0.474945	0.886978	-0.152583
494	10637	1.155398	0.258593	-0.036780	-0.348292	-0.507826	0.972225	-0.106132
495	10659	1.267810	0.272712	-0.039373	-0.411678	-0.536831	1.056735	-0.083042
496	10680	1.384843	0.286254	-0.041828	-0.470761	-0.561995	1.139515	-0.091286
497	10702	1.506259	0.300071	-0.043639	-0.525270	-0.583648	1.219261	-0.131055
498	10724	1.631162	0.315178	-0.044354	-0.574835	-0.602363	1.294461	-0.194736
499	10745	1.758181	0.332603	-0.043622	-0.618927	-0.618853	1.363523	-0.268738
500	10767	1.885731	0.353230	-0.041230	-0.656840	-0.633839	1.424935	-0.336691
501	10788	2.012279	0.377661	-0.037122	-0.687702	-0.647912	1.477440	-0.383260
502	10810	2.136563	0.406128	-0.031405	-0.710516	-0.661426	1.520182	-0.397654
503	10831	2.257731	0.438470	-0.024333	-0.724226	-0.674429	1.552823	-0.376040
504	10853	2.375358	0.474179	-0.016275	-0.727799	-0.686661	1.575594	-0.322320
505	10874	2.489357	0.512503	-0.007672	-0.720307	-0.697600	1.589256	-0.247127
506	10896	2.599803	0.552589	0.001018	-0.701001	-0.706558	1.594995	-0.165313
507	10917	2.706718	0.593631	0.009371	-0.669370	-0.712797	1.594223	-0.092541
508	10939	2.809855	0.635020	0.017046	-0.625161	-0.715634	1.588347	-0.041749
509	10960	2.908533	0.676438	0.023831	-0.568375	-0.714536	1.578508	-0.020309
510	10982	3.001546	0.717919	0.029653	-0.499229	-0.709160	1.565358	-0.028464
511	11003	3.087161	0.759845	0.034590	-0.418091	-0.699365	1.548889	-0.059350
512	11025	3.163205	0.802891	0.038849	-0.325407	-0.685187	1.528363	-0.100543
513	11047	3.227215	0.847926	0.042729	-0.221627	-0.666784	1.502350	-0.136734
514	11068	3.276615	0.895881	0.046570	-0.107156	-0.644391	1.468874	-0.152901
515	11090	3.308915	0.947594	0.050697	0.017662	-0.618271	1.425656	-0.137292
516	11111	3.321866	1.003659	0.055364	0.152521	-0.588692	1.370413	-0.083591
517	11133	3.313581	1.064269	0.060710	0.297083	-0.555922	1.301170	0.008119
518	11154	3.282595	1.129097	0.066726	0.450881	-0.520232	1.216550	0.131737
519	11176	3.227865	1.197201	0.073251	0.613204	-0.481910	1.115989	0.276666
520	11197	3.148719	1.266989	0.079991	0.782996	-0.441255	0.999852	0.430095
521	11219	3.044776	1.336238	0.086553	0.958771	-0.398571	0.869426	0.579487
522	11240	2.915845	1.402199	0.092499	1.138592	-0.354133	0.726806	0.714764
523	11262	2.761843	1.461763	0.097411	1.320087	-0.308154	0.574676	0.829758
524	11283	2.582747	1.511692	0.100942	1.500537	-0.260750	0.416033	0.922713
525	11305	2.378602	1.548898	0.102869	1.676993	-0.211927	0.253881	0.995839
526	11326	2.149601	1.570724	0.103115	1.846415	-0.161601	0.090951	1.054117
527	11348	1.896222	1.575196	0.101752	2.005815	-0.109647	-0.070519	1.103678
528	11370	1.619426	1.561206	0.098981	2.152358	-0.055986	-0.228911	1.150158
529	11391	1.320864	1.528594	0.095087	2.283436	-0.000679	-0.383250	1.197353
530	11413	1.003059	1.478104	0.090380	2.396681	0.055980	-0.533108	1.246425
531	11434	0.669521	1.411229	0.085141	2.489947	0.113402	-0.678428	1.295756
532	11456	0.324753	1.329956	0.079560	2.561271	0.170694	-0.819272	1.341391
533	11477	-0.025885	1.236465	0.073709	2.608834	0.226711	-0.955564	1.377943
534	11499	-0.376443	1.132832	0.067522	2.630959	0.280168	-1.086843	1.399697
535	11520	-0.720752	1.020792	0.060817	2.626163	0.329787	-1.212097	1.401724
536	11542	-1.052862	0.901605	0.053330	2.593259	0.374465	-1.329687	1.380768
537	11563	-1.367458	0.776055	0.044779	2.531521	0.413412	-1.437399	1.335801
538	11585	-1.660211	0.644572	0.034929	2.440866	0.446245	-1.532614	1.268170
539	11606	-1.927976	0.507454	0.023661	2.322036	0.473002	-1.612579	1.181367
540	11628	-2.168841	0.365133	0.011019	2.176731	0.494079	-1.674745	1.080476
541	11649	-2.382008	0.218426	-0.002756	2.007649	0.510097	-1.717119	0.971416
542	11671	-2.567548	0.068702	-0.017239	1.818420	0.521733	-1.738578	0.860098
543	11693	-2.726103	-0.082068	-0.031844	1.613421	0.529546	-1.739095	0.751607
544	11714	-2.858592	-0.231403	-0.045897	1.397479	0.533844	-1.719831	0.649542
545	11736	-2.966006	-0.376539	-0.058710	1.175506	0.534619	-1.683078	0.555581
546	11757	-3.049309	-0.514734	-0.069673	0.952109	0.531571	-1.632054	0.469364
547	11779	-3.109471	-0.643607	-0.078335	0.731235	0.524213	-1.570565	0.388696
548	11800	-3.147589	-0.761427	-0.084471	0.515898	0.512038	-1.502597	0.310080
549	11822	-3.165044	-0.867307	-0.088112	0.308045	0.494704	-1.431875	0.229486
550	11843	-3.163628	-0.961235	-0.089545	0.108552	0.472199	-1.361468	0.143266
551	11865	-3.145568	-1.043967	-0.089279	-0.082619	0.444943	-1.293489	0.049027
552	11886	-3.113431	-1.116770	-0.087977	-0.266166	0.413794	-1.228937	-0.053683
553	11908	-3.069896	-1.181090	-0.086363	-0.443107	0.379962	-1.167694	-0.163046
554	11929	-3.017457	-1.238197	-0.085128	-0.614443	0.344835	-1.108680	-0.275096
555	11951	-2.958095	-1.288884	-0.084833	-0.780857	0.309766	-1.050138	-0.384302
556	11972	-2.893042	-1.333274	-0.085831	-0.942503	0.275854	-0.989993	-0.484536
557	11994	-2.822666	-1.370777	-0.088224	-1.098916	0.243782	-0.926240	-0.570234
558	12016	-2.746540	-1.400194	-0.091844	-1.249038	0.213735	-0.857298	-0.637513
559	12037	-2.663681	-1.419947	-0.096279	-1.391358	0.185433	-0.782267	-0.684988
560	12059	-2.572905	-1.428392	-0.100932	-1.524121	0.158264	-0.701079	-0.714090
561	12080	-2.473223	-1.424145	-0.105095	-1.645561	0.131490	-0.614501	-0.728759
562	12102	-2.364176	-1.406365	-0.108050	-1.754125	0.104482	-0.524017	-0.734565
563	12123	-2.246035	-1.374947	-0.109162	-1.848639	0.076932	-0.431609	-0.737424
564	12145	-2.119803	-1.330596	-0.107963	-1.928392	0.048984	-0.339475	-0.742189
565	12166	-1.987041	-1.274777	-0.104214	-1.993139	0.021263	-0.249738	-0.751449
566	12188	-1.849533	-1.209558	-0.097934	-2.043033	-0.005216	-0.164179	-0.764852
567	12209	-1.708914	-1.137388	-0.089397	-2.078501	-0.029242	-0.084047	-0.779135
568	12231	-1.566324	-1.060842	-0.079102	-2.100113	-0.049660	-0.009949	-0.788904
569	12252	-1.422202	-0.982377	-0.067704	-2.108461	-0.065625	0.058153	-0.788007
570	12274	-1.276271	-0.904136	-0.055940	-2.104079	-0.076817	0.120856	-0.771192
571	12295	-1.127720	-0.827803	-0.044535	-2.087424	-0.083540	0.179165	-0.735653
572	12317	-0.975538	-0.754532	-0.034128	-2.058908	-0.086707	0.234296	-0.682056
573	12339	-0.818928	-0.684932	-0.025190	-2.018975	-0.087693	0.287465	-0.614766
574	12360	-0.657683	-0.619099	-0.017986	-1.968196	-0.088089	0.339702	-0.541145
575	12382	-0.492449	-0.556690	-0.012551	-1.907355	-0.089408	0.391706	-0.470049
576	12403	-0.324776	-0.497018	-0.008699	-1.837505	-0.092798	0.443754	-0.409839
577	12425	-0.156979	-0.439175	-0.006058	-1.759971	-0.098825	0.495683	-0.366368
578	12446	0.008198	-0.382163	-0.004127	-1.676292	-0.107376	0.546926	-0.341447
579	12468	0.168014	-0.325042	-0.002346	-1.588122	-0.117683	0.596613	-0.332195
580	12489	0.320177	-0.267082	-0.000171	-1.497082	-0.128498	0.643694	-0.331498
581	12511	0.463191	-0.207900	0.002859	-1.404616	-0.138347	0.687089	-0.329526
582	12532	0.596538	-0.147573	0.007062	-1.311859	-0.145833	0.725837	-0.316011
583	12554	0.720661	-0.086698	0.012581	-1.219555	-0.149924	0.759214	-0.282782
584	12575	0.836743	-0.026380	0.019365	-1.128027	-0.150157	0.786826	-0.225944
585	12597	0.946356	0.031856	0.027186	-1.037226	-0.146736	0.808649	-0.147175
586	12618	1.051052	0.086236	0.035664	-0.946835	-0.140481	0.825022	-0.053769
587	12640	1.151975	0.134968	0.044315	-0.856414	-0.132660	0.836590	0.042645
588	12662	1.249597	0.176504	0.052613	-0.765568	-0.124738	0.844208	0.128488
589	12683	1.343599	0.209791	0.060048	-0.674099	-0.118076	0.848824	0.191191
590	12705	1.432933	0.234458	0.066180	-0.582113	-0.113666	0.851349	0.222081
591	12726	1.516018	0.250918	0.070684	-0.490076	-0.111937	0.852537	0.218514
592	12748	1.591040	0.260340	0.073381	-0.398792	-0.112678	0.852895	0.184726
593	12769	1.656276	0.264507	0.074247	-0.309314	-0.115087	0.852630	0.131156
594	12791	1.710388	0.265565	0.073408	-0.222803	-0.117942	0.851641	0.072359
595	12812	1.752625	0.265712	0.071114	-0.140352	-0.119845	0.849556	0.023924
596	12834	1.782926	0.266880	0.067709	-0.062814	-0.119503	0.845813	-0.000907
597	12855	1.801897	0.270453	0.063584	0.009338	-0.115986	0.839753	0.005841
598	12877	1.810702	0.277086	0.059136	0.076106	-0.108904	0.830732	0.045083
599	12898	1.810879	0.286645	0.054725	0.137978	-0.098486	0.818221	0.110453
600	12920	1.804125	0.298271	0.050645	0.195871	-0.085537	0.801883	0.189714
601	12941	1.792094	0.310568	0.047095	0.251001	-0.071283	0.781614	0.267508
602	12963	1.776207	0.321862	0.044175	0.304710	-0.057149	0.757553	0.328825
603	12985	1.757515	0.330496	0.041882	0.358262	-0.044498	0.730051	0.362405
604	13006	1.736619	0.335097	0.040125	0.412656	-0.034397	0.699619	0.363291
605	13028	1.713633	0.334791	0.038748	0.468471	-0.027441	0.666862	0.333949
606	13049	1.688213	0.329310	0.037549	0.525780	-0.023674	0.632406	0.283679
607	13071	1.659617	0.319005	0.036315	0.584134	-0.022616	0.596839	0.226450
608	13092	1.626821	0.304757	0.034845	0.642626	-0.023382	0.560663	0.177661
609	13114	1.588649	0.287819	0.032974	0.700018	-0.024874	0.524273	0.150559
610	13135	1.543929	0.269612	0.030591	0.754916	-0.026006	0.487942	0.153143
611	13157	1.491645	0.251526	0.027647	0.805963	-0.025908	0.451832	0.186276
612	13178	1.431072	0.234740	0.024161	0.852018	-0.024083	0.416005	0.243438
613	13200	1.361881	0.220091	0.020211	0.892294	-0.020482	0.380438	0.312173
614	13221	1.284194	0.208014	0.015930	0.926439	-0.015488	0.345036	0.376907
615	13243	1.198587	0.198531	0.011485	0.954551	-0.009817	0.309647	0.422486
616	13264	1.106040	0.191301	0.007064	0.977117	-0.004361	0.274071	0.437616
617	13286	1.007833	0.185710	0.002852	0.994908	0.000005	0.238079	0.417417
618	13308	0.905418	0.180983	-0.000979	1.008826	0.002595	0.201432	0.364523
619	13329	0.800268	0.176306	-0.004291	1.019751	0.003047	0.163916	0.288453
620	13351	0.693737	0.170939	-0.006985	1.028401	0.001385	0.125376	0.203446
621	13372	0.586939	0.164325	-0.009012	1.035221	-0.001994	0.085766	0.125229
622	13394	0.480670	0.156158	-0.010370	1.040333	-0.006410	0.045183	0.067487
623	13415	0.375364	0.146434	-0.011102	1.043533	-0.011035	0.003898	0.038837
624	13437	0.271115	0.135457	-0.011289	1.044343	-0.015061	-0.037642	0.040992
625	13458	0.167730	0.123817	-0.011034	1.042102	-0.017848	-0.078830	0.068521
626	13480	0.064831	0.112322	-0.010457	1.036078	-0.019039	-0.118949	0.110234
627	13501	-0.038025	0.101914	-0.009681	1.025589	-0.018611	-0.157245	0.151870
628	13523	-0.141210	0.093554	-0.008817	1.010103	-0.016860	-0.193013	0.179439
629	13544	-0.244903	0.088109	-0.007960	0.989317	-0.014319	-0.225687	0.182447
630	13566	-0.348994	0.086246	-0.007183	0.963202	-0.011636	-0.254913	0.156277
631	13587	-0.453039	0.088350	-0.006532	0.932008	-0.009437	-0.280598	0.103180
632	13609	-0.556271	0.094477	-0.006027	0.896240	-0.008190	-0.302916	0.031672
633	13631	-0.657673	0.104359	-0.005663	0.856610	-0.008115	-0.322283	-0.045499
634	13652	-0.756106	0.117433	-0.005417	0.813976	-0.009149	-0.339278	-0.114327
635	13674	-0.850476	0.132929	-0.005249	0.769268	-0.010961	-0.354550	-0.162773
636	13695	-0.939893	0.149959	-0.005113	0.723424	-0.013030	-0.368701	-0.183492
637	13717	-1.023816	0.167634	-0.004954	0.677327	-0.014756	-0.382184	-0.175439
638	13738	-1.102120	0.185159	-0.004724	0.631751	-0.015578	-0.395217	-0.144004
639	13760	-1.175089	0.201921	-0.004376	0.587316	-0.015086	-0.407739	-0.099656
640	13781	-1.243310	0.217552	-0.003880	0.544453	-0.013093	-0.419410	-0.055428
641	13803	-1.307489	0.231960	-0.003216	0.503378	-0.009661	-0.429660	-0.023829
642	13824	-1.368222	0.245338	-0.002387	0.464082	-0.005079	-0.437772	-0.013892
643	13846	-1.425767	0.258152	-0.001416	0.426330	0.000207	-0.442997	-0.029037
644	13867	-1.479864	0.271106	-0.000344	0.389691	0.005688	-0.444673	-0.066231
645	13889	-1.529644	0.285081	0.000765	0.353584	0.010894	-0.442330	-0.116618
646	13910	-1.573663	0.301064	0.001835	0.317348	0.015481	-0.435770	-0.167485
647	13932	-1.610039	0.320042	0.002784	0.280340	0.019287	-0.425102	-0.205100
648	13954	-1.636687	0.342880	0.003533	0.242037	0.022351	-0.410732	-0.217798
649	13975	-1.651593	0.370187	0.004018	0.202139	0.024891	-0.393307	-0.198615
650	13997	-1.653070	0.402178	0.004203	0.160655	0.027247	-0.373625	-0.146891
651	14018	-1.639951	0.438556	0.004087	0.117955	0.029811	-0.352522	-0.068500
652	14040	-1.611661	0.478453	0.003710	0.074767	0.032943	-0.330757	0.025338
653	14061	-1.568177	0.520427	0.003153	0.032123	0.036906	-0.308917	0.120398
654	14083	-1.509878	0.562567	0.002533	-0.008753	0.041824	-0.287342	0.202421
655	14104	-1.437320	0.602670	0.001987	-0.046614	0.047658	-0.266102	0.260075
656	14126	-1.351017	0.638516	0.001655	-0.080368	0.054214	-0.245014	0.287272
657	14147	-1.251248	0.668162	0.001658	-0.109272	0.061178	-0.223694	0.284354
658	14169	-1.137973	0.690243	0.002076	-0.133077	0.068152	-0.201652	0.257914
659	14190	-1.010852	0.704199	0.002929	-0.152123	0.074707	-0.178389	0.219320
660	14212	-0.869384	0.710372	0.004163	-0.167344	0.080432	-0.153503	0.182266
661	14233	-0.713122	0.709954	0.005651	-0.180173	0.084973	-0.126773	0.159891
662	14255	-0.541928	0.704765	0.007201	-0.192360	0.088073	-0.098216	0.162071
663	14277	-0.356202	0.696879	0.008573	-0.205724	0.089598	-0.068101	0.193442
664	14298	-0.157059	0.688172	0.009515	-0.221859	0.089552	-0.036929	0.252550
665	14320	0.053598	0.679853	0.009789	-0.241855	0.088090	-0.005378	0.332253
666	14341	0.273101	0.672089	0.009215	-0.266072	0.085511	0.025777	0.421271
667	14363	0.498129	0.663785	0.007695	-0.294004	0.082235	0.055750	0.506508
668	14384	0.724878	0.652599	0.005238	-0.324274	0.078761	0.083826	0.575648
669	14406	0.949260	0.635195	0.001963	-0.354761	0.075611	0.109424	0.619480
670	14427	1.167089	0.607714	-0.001908	-0.382847	0.073245	0.132127	0.633482
671	14449	1.374253	0.566388	-0.006078	-0.405766	0.071984	0.151691	0.618372
672	14470	1.566843	0.508201	-0.010209	-0.420993	0.071926	0.168012	0.579574
673	14492	1.741254	0.431469	-0.013973	-0.426629	0.072901	0.181087	0.525743
674	14513	1.894278	0.336243	-0.017094	-0.421712	0.074452	0.190954	0.466728
675	14535	2.023184	0.224445	-0.019393	-0.406416	0.075872	0.197641	0.411427
676	14556	2.125804	0.099716	-0.020811	-0.382094	0.076296	0.201138	0.365991
677	14578	2.200612	-0.033015	-0.021425	-0.351161	0.074834	0.201380	0.332745
678	14600	2.246798	-0.168159	-0.021433	-0.316829	0.070732	0.198263	0.310033
679	14621	2.264297	-0.300194	-0.021129	-0.282725	0.063523	0.191686	0.292955
680	14643	2.253784	-0.424370	-0.020861	-0.252461	0.053158	0.181599	0.274809
681	14664	2.216597	-0.537263	-0.020972	-0.229191	0.040059	0.168059	0.248871
682	14686	2.154621	-0.637098	-0.021753	-0.215249	0.025101	0.151280	0.210107
683	14707	2.070122	-0.723795	-0.023395	-0.211893	0.009501	0.131653	0.156435
684	14729	1.965575	-0.798746	-0.025954	-0.219204	-0.005357	0.109746	0.089258
685	14750	1.843500	-0.864365	-0.029346	-0.236143	-0.018146	0.086276	0.013171
686	14772	1.706350	-0.923521	-0.033351	-0.260750	-0.027826	0.062052	-0.065059
687	14793	1.556440	-0.978936	-0.037647	-0.290462	-0.033820	0.037902	-0.138021
688	14815	1.395940	-1.032670	-0.041855	-0.322478	-0.036122	0.014598	-0.199302
689	14836	1.226904	-1.085768	-0.045593	-0.354130	-0.035295	-0.007215	-0.244905
690	14858	1.051321	-1.138115	-0.048531	-0.383213	-0.032358	-0.027071	-0.274090
691	14879	0.871156	-1.188506	-0.050439	-0.408200	-0.028589	-0.044710	-0.289479
692	14901	0.688365	-1.234905	-0.051213	-0.428361	-0.025265	-0.060077	-0.296396
693	14923	0.504876	-1.274820	-0.050889	-0.443739	-0.023415	-0.073297	-0.301594
694	14944	0.322534	-1.305738	-0.049628	-0.455030	-0.023606	-0.084633	-0.311674
695	14966	0.143036	-1.325520	-0.047688	-0.463379	-0.025835	-0.094427	-0.331538
696	14987	-0.032127	-1.332719	-0.045381	-0.470141	-0.029537	-0.103052	-0.363245
697	15009	-0.201694	-1.326761	-0.043019	-0.476650	-0.033707	-0.110854	-0.405507
698	15030	-0.364626	-1.307983	-0.040871	-0.484025	-0.037124	-0.118126	-0.453954
699	15052	-0.520043	-1.277540	-0.039122	-0.493044	-0.038617	-0.125078	-0.502096
700	15073	-0.667143	-1.237206	-0.037856	-0.504104	-0.037328	-0.131837	-0.542770
701	15095	-0.805123	-1.189110	-0.037047	-0.517244	-0.032902	-0.138445	-0.569750
702	15116	-0.933122	-1.135457	-0.036579	-0.532232	-0.025580	-0.144875	-0.579148
703	15138	-1.050229	-1.078272	-0.036272	-0.548677	-0.016158	-0.151043	-0.570303
704	15159	-1.155546	-1.019197	-0.035923	-0.566150	-0.005823	-0.156827	-0.545948
705	15181	-1.248313	-0.959359	-0.035342	-0.584275	0.004085	-0.162083	-0.511633
706	15202	-1.328064	-0.899330	-0.034387	-0.602773	0.012361	-0.166659	-0.474514
707	15224	-1.394763	-0.839160	-0.032981	-0.621471	0.018184	-0.170412	-0.441801
708	15246	-1.448908	-0.778486	-0.031122	-0.640249	0.021285	-0.173230	-0.419199
709	15267	-1.491530	-0.716690	-0.028870	-0.658965	0.022000	-0.175043	-0.409699
710	15289	-1.524102	-0.653087	-0.026324	-0.677361	0.021180	-0.175844	-0.412993
711	15310	-1.548358	-0.587120	-0.023595	-0.694990	0.020003	-0.175699	-0.425633
712	15332	-1.566038	-0.518525	-0.020776	-0.711159	0.019698	-0.174752	-0.441908
713	15353	-1.578630	-0.447456	-0.017914	-0.724935	0.021267	-0.173217	-0.455224
714	15375	-1.587145	-0.374535	-0.015005	-0.735185	0.025254	-0.171361	-0.459684
715	15396	-1.591993	-0.300835	-0.011992	-0.740674	0.031618	-0.169467	-0.451490
716	15418	-1.592969	-0.227770	-0.008782	-0.740191	0.039733	-0.167795	-0.429862
717	15439	-1.589370	-0.156939	-0.005278	-0.732692	0.048520	-0.166545	-0.397245
718	15461	-1.580217	-0.089912	-0.001409	-0.717433	0.056681	-0.165813	-0.358759
719	15482	-1.564529	-0.028023	0.002838	-0.694078	0.062979	-0.165572	-0.321018
720	15504	-1.541594	0.027814	0.007392	-0.662755	0.066511	-0.165672	-0.290576
721	15525	-1.511178	0.077225	0.012092	-0.624062	0.066899	-0.165856	-0.272366
722	15547	-1.473625	0.120410	0.016697	-0.579011	0.064364	-0.165809	-0.268482
723	15569	-1.429829	0.158076	0.020915	-0.528926	0.059667	-0.165206	-0.277606
724	15590	-1.381083	0.191298	0.024441	-0.475303	0.053923	-0.163786	-0.295204
725	15612	-1.328839	0.221309	0.027012	-0.419646	0.048334	-0.161403	-0.314481
726	15633	-1.274443	0.249281	0.028451	-0.363324	0.043898	-0.158067	-0.327871
727	15655	-1.218890	0.276121	0.028708	-0.307433	0.041163	-0.153961	-0.328760
728	15676	-1.162663	0.302340	0.027880	-0.252715	0.040076	-0.149418	-0.313029
729	15698	-1.105687	0.328002	0.026208	-0.199518	0.039969	-0.144881	-0.280088
730	15719	-1.047408	0.352772	0.024050	-0.147819	0.039690	-0.140831	-0.233148
731	15741	-0.986977	0.376054	0.021834	-0.097292	0.037838	-0.137707	-0.178650
732	15762	-0.923493	0.397178	0.019995	-0.047417	0.033067	-0.135831	-0.124977
733	15784	-0.856252	0.415604	0.018906	0.002395	0.024390	-0.135349	-0.080688
734	15805	-0.784953	0.431096	0.018816	0.052668	0.011406	-0.136199	-0.052679
735	15827	-0.709809	0.443832	0.019804	0.103754	-0.005588	-0.138108	-0.044642
736	15848	-0.631539	0.454419	0.021761	0.155756	-0.025638	-0.140638	-0.056178
737	15870	-0.551258	0.463825	0.024391	0.208501	-0.047307	-0.143239	-0.082746
738	15892	-0.470281	0.473232	0.027253	0.261564	-0.068963	-0.145336	-0.116479
739	15913	-0.389890	0.483840	0.029822	0.314342	-0.089105	-0.146407	-0.147703
740	15935	-0.311118	0.496676	0.031559	0.366153	-0.106666	-0.146053	-0.166841
741	15956	-0.234598	0.512429	0.032001	0.416365	-0.121229	-0.144052	-0.166316
742	15978	-0.160504	0.531354	0.030828	0.464511	-0.133096	-0.140366	-0.142060
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
744	16021	-0.018383	0.577519	0.023364	0.554087	-0.152944	-0.128630	-0.027601
745	16042	0.050730	0.603282	0.017491	0.596032	-0.163762	-0.121191	0.050226
746	16064	0.119185	0.629529	0.010791	0.636875	-0.176899	-0.113162	0.129470
747	16085	0.187138	0.655267	0.003871	0.677412	-0.193039	-0.104824	0.200485
748	16107	0.254357	0.679634	-0.002629	0.718428	-0.212131	-0.096349	0.255480
749	16128	0.320245	0.701979	-0.008124	0.760546	-0.233329	-0.087775	0.289913
750	16150	0.383947	0.721872	-0.012163	0.804079	-0.255109	-0.079007	0.303189
751	16171	0.444538	0.739081	-0.014490	0.848917	-0.275519	-0.069843	0.298559
752	16193	0.501241	0.753507	-0.015074	0.894477	-0.292523	-0.060016	0.282262
753	16215	0.553629	0.765113	-0.014112	0.939703	-0.304360	-0.049248	0.262109
754	16236	0.601765	0.773861	-0.011993	0.983144	-0.309869	-0.037304	0.245817
755	16258	0.646245	0.779675	-0.009247	1.023089	-0.308692	-0.024037	0.239454
756	16279	0.688132	0.782432	-0.006461	1.057728	-0.301339	-0.009416	0.246289
757	16301	0.728792	0.781986	-0.004203	1.085348	-0.289085	0.006460	0.266279
758	16322	0.769669	0.778207	-0.002937	1.104510	-0.273735	0.023372	0.296263
759	16344	0.812039	0.771030	-0.002967	1.114194	-0.257297	0.041008	0.330797
760	16365	0.856798	0.760492	-0.004398	1.113899	-0.241634	0.058999	0.363426
761	16387	0.904329	0.746755	-0.007124	1.103680	-0.228139	0.076965	0.388108
762	16408	0.954474	0.730093	-0.010854	1.084120	-0.217530	0.094560	0.400493
763	16430	1.006611	0.710869	-0.015152	1.056252	-0.209754	0.111511	0.398792
764	16451	1.059823	0.689482	-0.019506	1.021431	-0.204052	0.127643	0.384070
765	16473	1.113110	0.666305	-0.023395	0.981190	-0.199135	0.142896	0.359924
766	16494	1.165600	0.641635	-0.026363	0.937077	-0.193454	0.157320	0.331640
767	16516	1.216711	0.615637	-0.028077	0.890517	-0.185496	0.171059	0.305019
768	16538	1.266213	0.588319	-0.028365	0.842697	-0.174056	0.184317	0.285136
769	16559	1.314196	0.559528	-0.027232	0.794478	-0.158432	0.197317	0.275288
770	16581	1.360931	0.528960	-0.024854	0.746363	-0.138522	0.210260	0.276350
771	16602	1.406671	0.496210	-0.021541	0.698491	-0.114803	0.223270	0.286667
772	16624	1.451442	0.460832	-0.017693	0.650676	-0.088202	0.236365	0.302474
773	16645	1.494866	0.422410	-0.013746	0.602468	-0.059915	0.249428	0.318763
774	16667	1.536081	0.380651	-0.010108	0.553234	-0.031176	0.262199	0.330382
775	16688	1.573767	0.335459	-0.007110	0.502255	-0.003054	0.274291	0.333147
776	16710	1.606296	0.287005	-0.004971	0.448814	0.023699	0.285221	0.324734
777	16731	1.631971	0.235767	-0.003776	0.392285	0.048735	0.294462	0.305151
778	16753	1.649297	0.182529	-0.003475	0.332208	0.072106	0.301504	0.276730
779	16774	1.657248	0.128339	-0.003901	0.268336	0.094190	0.305920	0.243624
780	16796	1.655438	0.074409	-0.004799	0.200673	0.115565	0.307427	0.210937
781	16817	1.644179	0.021978	-0.005868	0.129474	0.136866	0.305928	0.183670
782	16839	1.624395	-0.027852	-0.006803	0.055234	0.158641	0.301535	0.165696
783	16860	1.597403	-0.074282	-0.007332	-0.021354	0.181238	0.294556	0.158988
784	16882	1.564616	-0.116959	-0.007253	-0.099454	0.204748	0.285464	0.163237
785	16904	1.527217	-0.156059	-0.006450	-0.178144	0.228989	0.274831	0.175945
786	16925	1.485884	-0.192295	-0.004899	-0.256483	0.253541	0.263255	0.192946
787	16947	1.440622	-0.226826	-0.002666	-0.333564	0.277812	0.251271	0.209262
788	16968	1.390732	-0.261095	0.000107	-0.408554	0.301121	0.239283	0.220087
789	16990	1.334946	-0.296590	0.003234	-0.480722	0.322786	0.227504	0.221715
790	17011	1.271679	-0.334583	0.006501	-0.549443	0.342190	0.215934	0.212208
791	17033	1.199361	-0.375892	0.009698	-0.614193	0.358838	0.204374	0.191686
792	17054	1.116770	-0.420692	0.012640	-0.674530	0.372389	0.192462	0.162188
793	17076	1.023304	-0.468444	0.015181	-0.730082	0.382666	0.179757	0.127142
794	17097	0.919144	-0.517922	0.017225	-0.780534	0.389655	0.165818	0.090575
795	17119	0.805260	-0.567375	0.018727	-0.825629	0.393489	0.150302	0.056238
796	17140	0.683290	-0.614769	0.019685	-0.865180	0.394435	0.133042	0.026830
797	17162	0.555306	-0.658084	0.020134	-0.899096	0.392864	0.114098	0.003495
798	17183	0.423530	-0.695605	0.020133	-0.927410	0.389222	0.093779	-0.014322
799	17205	0.290058	-0.726164	0.019754	-0.950296	0.383994	0.072617	-0.028625
800	17227	0.156653	-0.749273	0.019072	-0.968084	0.377658	0.051316	-0.042299
801	17248	0.024636	-0.765142	0.018154	-0.981244	0.370637	0.030661	-0.058355
802	17270	-0.105125	-0.774577	0.017065	-0.990350	0.363253	0.011424	-0.079164
803	17291	-0.232117	-0.778776	0.015854	-0.996021	0.355679	-0.005736	-0.105845
804	17313	-0.356043	-0.779067	0.014568	-0.998843	0.347916	-0.020358	-0.137958
805	17334	-0.476669	-0.776645	0.013246	-0.999300	0.339789	-0.032228	-0.173554
806	17356	-0.593712	-0.772354	0.011923	-0.997705	0.330967	-0.041404	-0.209575
807	17377	-0.706786	-0.766551	0.010635	-0.994166	0.321013	-0.048190	-0.242512
808	17399	-0.815424	-0.759071	0.009412	-0.988586	0.309455	-0.053086	-0.269177
809	17420	-0.919153	-0.749303	0.008281	-0.980704	0.295864	-0.056706	-0.287396
810	17442	-1.017602	-0.736345	0.007257	-0.970176	0.279931	-0.059692	-0.296506
811	17463	-1.110593	-0.719208	0.006342	-0.956672	0.261530	-0.062623	-0.297505
812	17485	-1.198187	-0.697025	0.005516	-0.939994	0.240748	-0.065940	-0.292859
813	17506	-1.280671	-0.669228	0.004739	-0.920159	0.217884	-0.069902	-0.285987
814	17528	-1.358472	-0.635658	0.003947	-0.897463	0.193413	-0.074570	-0.280557
815	17550	-1.432034	-0.596605	0.003061	-0.872487	0.167923	-0.079814	-0.279731
816	17571	-1.501678	-0.552762	0.001990	-0.846046	0.142031	-0.085366	-0.285542
817	17593	-1.567495	-0.505130	0.000646	-0.819083	0.116310	-0.090871	-0.298513
818	17614	-1.629291	-0.454876	-0.001044	-0.792533	0.091217	-0.095960	-0.317613
819	17636	-1.686611	-0.403192	-0.003124	-0.767163	0.067054	-0.100312	-0.340532
820	17657	-1.738823	-0.351164	-0.005600	-0.743432	0.043954	-0.103707	-0.364215
821	17679	-1.785258	-0.299678	-0.008425	-0.721385	0.021897	-0.106059	-0.385522
822	17700	-1.825340	-0.249365	-0.011503	-0.700613	0.000752	-0.107418	-0.401866
823	17722	-1.858693	-0.200590	-0.014693	-0.680287	-0.019679	-0.107959	-0.411697
824	17743	-1.885176	-0.153471	-0.017816	-0.659251	-0.039605	-0.107944	-0.414717
825	17765	-1.904840	-0.107924	-0.020678	-0.636196	-0.059214	-0.107673	-0.411812
826	17786	-1.917812	-0.063716	-0.023086	-0.609845	-0.078640	-0.107434	-0.404720
827	17808	-1.924148	-0.020536	-0.024877	-0.579155	-0.097965	-0.107452	-0.395536
828	17829	-1.923686	0.021950	-0.025936	-0.543486	-0.117217	-0.107853	-0.386164
829	17851	-1.915957	0.064036	-0.026214	-0.502711	-0.136382	-0.108640	-0.377866
830	17873	-1.900177	0.105917	-0.025738	-0.457249	-0.155414	-0.109690	-0.370998
831	17894	-1.875349	0.147643	-0.024609	-0.408020	-0.174232	-0.110773	-0.364987
832	17916	-1.840450	0.189081	-0.022994	-0.356323	-0.192714	-0.111577	-0.358551
833	17937	-1.794660	0.229895	-0.021110	-0.303655	-0.210682	-0.111748	-0.350083
834	17959	-1.737601	0.269556	-0.019188	-0.251509	-0.227888	-0.110944	-0.338113
835	17980	-1.669500	0.307374	-0.017456	-0.201176	-0.244011	-0.108868	-0.321717
836	18002	-1.591247	0.342571	-0.016098	-0.153584	-0.258674	-0.105315	-0.300784
837	18023	-1.504319	0.374373	-0.015239	-0.109197	-0.271481	-0.100196	-0.276072
838	18045	-1.410585	0.402115	-0.014921	-0.067992	-0.282075	-0.093543	-0.249037
839	18066	-1.312013	0.425345	-0.015100	-0.029508	-0.290207	-0.085517	-0.221501
840	18088	-1.210360	0.443900	-0.015652	0.007040	-0.295803	-0.076378	-0.195216
841	18109	-1.106899	0.457949	-0.016392	0.042602	-0.299013	-0.066464	-0.171460
842	18131	-1.002254	0.467981	-0.017098	0.078123	-0.300222	-0.056143	-0.150734
843	18152	-0.896369	0.474736	-0.017541	0.114380	-0.300020	-0.045781	-0.132654
844	18174	-0.788638	0.479102	-0.017523	0.151862	-0.299125	-0.035694	-0.116053
845	18196	-0.678152	0.481978	-0.016900	0.190700	-0.298270	-0.026121	-0.099265
846	18217	-0.564012	0.484139	-0.015605	0.230663	-0.298072	-0.017197	-0.080520
847	18239	-0.445646	0.486121	-0.013658	0.271209	-0.298912	-0.008954	-0.058369
848	18260	-0.323054	0.488152	-0.011161	0.311583	-0.300844	-0.001321	-0.032024
849	18282	-0.196925	0.490135	-0.008287	0.350940	-0.303565	0.005850	-0.001548
850	18303	-0.068612	0.491692	-0.005250	0.388471	-0.306447	0.012751	0.032150
851	18325	0.060047	0.492253	-0.002279	0.423513	-0.308635	0.019581	0.067510
852	18346	0.186992	0.491173	0.000414	0.455623	-0.309200	0.026507	0.102653
853	18368	0.310260	0.487853	0.002667	0.484611	-0.307316	0.033630	0.135777
854	18389	0.428272	0.481851	0.004382	0.510522	-0.302416	0.040965	0.165523
855	18411	0.540031	0.472946	0.005544	0.533587	-0.294321	0.048432	0.191236
856	18432	0.645201	0.461171	0.006213	0.554138	-0.283289	0.055863	0.213058
857	18454	0.744050	0.446788	0.006515	0.572524	-0.269986	0.063032	0.231847
858	18475	0.837280	0.430236	0.006620	0.589028	-0.255373	0.069679	0.248951
859	18497	0.925781	0.412057	0.006718	0.603804	-0.240541	0.075561	0.265867
860	18519	1.010375	0.392808	0.006985	0.616849	-0.226506	0.080483	0.283904
861	18540	1.091594	0.372991	0.007562	0.628007	-0.214028	0.084328	0.303879
862	18562	1.169535	0.353003	0.008535	0.637007	-0.203465	0.087080	0.325948
863	18583	1.243819	0.333104	0.009925	0.643513	-0.194708	0.088818	0.349572
864	18605	1.313642	0.313414	0.011686	0.647202	-0.187211	0.089698	0.373640
865	18626	1.377908	0.293929	0.013720	0.647826	-0.180091	0.089928	0.396704
866	18648	1.435386	0.274544	0.015891	0.645263	-0.172304	0.089723	0.417281
867	18669	1.484882	0.255087	0.018048	0.639544	-0.162849	0.089263	0.434142
868	18691	1.525362	0.235354	0.020046	0.630857	-0.150952	0.088659	0.446549
869	18712	1.556034	0.215137	0.021769	0.619515	-0.136217	0.087930	0.454377
870	18734	1.576360	0.194261	0.023143	0.605910	-0.118689	0.086996	0.458109
871	18755	1.586031	0.172606	0.024144	0.590456	-0.098845	0.085691	0.458710
872	18777	1.584914	0.150140	0.024796	0.573518	-0.077491	0.083796	0.457409
873	18798	1.572996	0.126936	0.025163	0.555369	-0.055610	0.081076	0.455436
874	18820	1.550351	0.103188	0.025336	0.536149	-0.034178	0.077331	0.453769
875	18842	1.517136	0.079205	0.025415	0.515858	-0.013995	0.072433	0.452945
876	18863	1.473610	0.055391	0.025494	0.494364	0.004445	0.066364	0.452955
877	18885	1.420182	0.032206	0.025646	0.471441	0.021014	0.059223	0.453263
878	18906	1.357452	0.010105	0.025913	0.446817	0.035935	0.051222	0.452932
879	18928	1.286244	-0.010522	0.026307	0.420225	0.049699	0.042659	0.450830
880	18949	1.207607	-0.029417	0.026808	0.391463	0.062935	0.033883	0.445881
881	18971	1.122784	-0.046498	0.027377	0.360429	0.076257	0.025236	0.437309
882	18992	1.033150	-0.061876	0.027960	0.327151	0.090131	0.017014	0.424828
883	19014	0.940126	-0.075838	0.028509	0.291799	0.104768	0.009429	0.408735
884	19035	0.845102	-0.088799	0.028982	0.254664	0.120090	0.002580	0.389881
885	19057	0.749353	-0.101222	0.029359	0.216147	0.135743	-0.003546	0.369531
886	19078	0.653994	-0.113527	0.029637	0.176713	0.151173	-0.009055	0.349117
887	19100	0.559954	-0.126015	0.029834	0.136861	0.165731	-0.014124	0.329946
888	19121	0.467978	-0.138800	0.029977	0.097082	0.178794	-0.018950	0.312905
889	19143	0.378652	-0.151791	0.030093	0.057838	0.189867	-0.023710	0.298230
890	19165	0.292436	-0.164707	0.030202	0.019535	0.198655	-0.028527	0.285400
891	19186	0.209699	-0.177134	0.030306	-0.017482	0.205092	-0.033440	0.273167
892	19208	0.130743	-0.188602	0.030381	-0.052926	0.209322	-0.038397	0.259758
893	19229	0.055821	-0.198677	0.030379	-0.086566	0.211643	-0.043263	0.243198
894	19251	-0.014856	-0.207031	0.030230	-0.118210	0.212430	-0.047843	0.221710
895	19272	-0.081113	-0.213498	0.029850	-0.147696	0.212058	-0.051913	0.194109
896	19294	-0.142810	-0.218080	0.029155	-0.174878	0.210831	-0.055260	0.160120
897	19315	-0.199839	-0.220922	0.028071	-0.199617	0.208945	-0.057709	0.120527
898	19337	-0.252107	-0.222264	0.026550	-0.221778	0.206479	-0.059149	0.077128
899	19358	-0.299532	-0.222375	0.024581	-0.241227	0.203413	-0.059549	0.032477
900	19380	-0.342032	-0.221492	0.022193	-0.257836	0.199672	-0.058949	-0.010542
901	19401	-0.379521	-0.219781	0.019458	-0.271486	0.195171	-0.057452	-0.049236
902	19423	-0.411927	-0.217327	0.016483	-0.282073	0.189869	-0.055202	-0.081615
903	19444	-0.439204	-0.214154	0.013402	-0.289520	0.183792	-0.052359	-0.106783
904	19466	-0.461366	-0.210263	0.010360	-0.293783	0.177044	-0.049077	-0.125128
905	19488	-0.478513	-0.205680	0.007497	-0.294859	0.169800	-0.045492	-0.138257
906	19509	-0.490855	-0.200500	0.004932	-0.292802	0.162271	-0.041710	-0.148670
907	19531	-0.498713	-0.194894	0.002751	-0.287722	0.154667	-0.037809	-0.159246
908	19552	-0.502513	-0.189108	0.000995	-0.279799	0.147157	-0.033846	-0.172625
909	19574	-0.502750	-0.183414	-0.000338	-0.269282	0.139841	-0.029866	-0.190632
910	19595	-0.499947	-0.178052	-0.001292	-0.256484	0.132731	-0.025919	-0.213851
911	19617	-0.494600	-0.173166	-0.001948	-0.241782	0.125759	-0.022059	-0.241458
912	19638	-0.487134	-0.168759	-0.002405	-0.225594	0.118790	-0.018350	-0.271345
913	19660	-0.477873	-0.164668	-0.002770	-0.208367	0.111659	-0.014864	-0.300530
914	19681	-0.467023	-0.160586	-0.003140	-0.190549	0.104203	-0.011666	-0.325756
915	19703	-0.454686	-0.156118	-0.003590	-0.172569	0.096301	-0.008808	-0.344165
916	19724	-0.440886	-0.150861	-0.004161	-0.154808	0.087893	-0.006316	-0.353899
917	19746	-0.425611	-0.144495	-0.004860	-0.137585	0.079002	-0.004180	-0.354495
918	19767	-0.408853	-0.136862	-0.005652	-0.121142	0.069730	-0.002356	-0.346993
919	19789	-0.390651	-0.128013	-0.006475	-0.105636	0.060247	-0.000769	-0.333728
920	19811	-0.371111	-0.118210	-0.007242	-0.091147	0.050768	0.000673	-0.317843
921	19832	-0.350414	-0.107891	-0.007859	-0.077685	0.041526	0.002064	-0.302645
922	19854	-0.328812	-0.097584	-0.008234	-0.065207	0.032741	0.003484	-0.290926
923	19875	-0.306607	-0.087816	-0.008293	-0.053636	0.024599	0.004978	-0.284405
924	19897	-0.284123	-0.079011	-0.007990	-0.042877	0.017226	0.006551	-0.283408
925	19918	-0.261684	-0.071413	-0.007313	-0.032838	0.010684	0.008163	-0.286851
926	19940	-0.239587	-0.065050	-0.006285	-0.023438	0.004967	0.009734	-0.292529
927	19961	-0.218091	-0.059739	-0.004964	-0.014614	0.000010	0.011154	-0.297626
928	19983	-0.197402	-0.055132	-0.003433	-0.006324	-0.004297	0.012307	-0.299346
929	20004	-0.177674	-0.050799	-0.001794	0.001457	-0.008089	0.013082	-0.295514
930	20026	-0.159009	-0.046313	-0.000153	0.008744	-0.011502	0.013396	-0.285011
931	20047	-0.141459	-0.041337	0.001392	0.015545	-0.014657	0.013205	-0.267966
932	20069	-0.125032	-0.035683	0.002758	0.021868	-0.017639	0.012512	-0.245659
933	20090	-0.109701	-0.029335	0.003892	0.027723	-0.020489	0.011364	-0.220183
934	20112	-0.095405	-0.022437	0.004767	0.033127	-0.023202	0.009843	-0.193937
935	20134	-0.082070	-0.015255	0.005390	0.038098	-0.025736	0.008054	-0.169094
936	20155	-0.069615	-0.008114	0.005795	0.042655	-0.028020	0.006108	-0.147151
937	20177	-0.057971	-0.001334	0.006035	0.046817	-0.029976	0.004107	-0.128670
938	20198	-0.047093	0.004818	0.006177	0.050600	-0.031537	0.002131	-0.113260
939	20220	-0.036968	0.010165	0.006288	0.054016	-0.032667	0.000227	-0.099787
940	20241	-0.027618	0.014630	0.006426	0.057071	-0.033367	-0.001587	-0.086752
941	20263	-0.019093	0.018221	0.006633	0.059773	-0.033684	-0.003321	-0.072737
942	20284	-0.011455	0.021006	0.006931	0.062129	-0.033705	-0.005003	-0.056807
943	20306	-0.004765	0.023087	0.007317	0.064151	-0.033543	-0.006668	-0.038766
944	20327	0.000945	0.024566	0.007765	0.065857	-0.033318	-0.008345	-0.019217
945	20349	0.005684	0.025534	0.008234	0.067273	-0.033136	-0.010049	0.000586
946	20370	0.009508	0.026060	0.008673	0.068431	-0.033076	-0.011768	0.019045
947	20392	0.012526	0.026191	0.009026	0.069369	-0.033175	-0.013469	0.034612
948	20413	0.014879	0.025966	0.009247	0.070128	-0.033423	-0.015097	0.046150
949	20435	0.016727	0.025412	0.009302	0.070750	-0.033777	-0.016583	0.053196
950	20457	0.018226	0.024553	0.009175	0.071273	-0.034168	-0.017857	0.056046
951	20478	0.019505	0.023403	0.008870	0.071728	-0.034520	-0.018855	0.055654
952	20500	0.020656	0.021958	0.008411	0.072136	-0.034772	-0.019535	0.053377
953	20521	0.021727	0.020191	0.007836	0.072505	-0.034889	-0.019879	0.050635
954	20543	0.022730	0.018048	0.007194	0.072829	-0.034870	-0.019902	0.048562
955	20564	0.023652	0.015456	0.006537	0.073083	-0.034745	-0.019647	0.047755
956	20586	0.024468	0.012343	0.005910	0.073226	-0.034569	-0.019180	0.048156
957	20607	0.025162	0.008656	0.005352	0.073199	-0.034403	-0.018581	0.049110
958	20629	0.025730	0.004392	0.004888	0.072930	-0.034298	-0.017929	0.049567
959	20650	0.026187	-0.000384	0.004526	0.072334	-0.034279	-0.017294	0.048377
960	20672	0.026560	-0.005530	0.004261	0.071325	-0.034339	-0.016723	0.044606
961	20693	0.026881	-0.010833	0.004076	0.069822	-0.034434	-0.016235	0.037788
962	20715	0.027177	-0.016036	0.003946	0.067757	-0.034495	-0.015820	0.028058
963	20736	0.027459	-0.020874	0.003842	0.065091	-0.034436	-0.015441	0.016141
964	20758	0.027720	-0.025113	0.003740	0.061813	-0.034174	-0.015041	0.003195
965	20780	0.027936	-0.028591	0.003618	0.057956	-0.033643	-0.014558	-0.009432
966	20801	0.028073	-0.031239	0.003463	0.053589	-0.032811	-0.013932	-0.020489
967	20823	0.028098	-0.033088	0.003274	0.048822	-0.031677	-0.013121	-0.029070
968	20844	0.027985	-0.034251	0.003054	0.043792	-0.030277	-0.012108	-0.034770
969	20866	0.027725	-0.034896	0.002815	0.038655	-0.028669	-0.010904	-0.037727
970	20887	0.027325	-0.035197	0.002574	0.033568	-0.026926	-0.009548	-0.038534
971	20909	0.026806	-0.035304	0.002346	0.028680	-0.025116	-0.008102	-0.038064
972	20930	0.026198	-0.035308	0.002145	0.024113	-0.023296	-0.006639	-0.037251
973	20952	0.025529	-0.035231	0.001983	0.019954	-0.021502	-0.005232	-0.036878
974	20973	0.024822	-0.035037	0.001865	0.016253	-0.019750	-0.003947	-0.037424
975	20995	0.024089	-0.034650	0.001789	0.013022	-0.018040	-0.002826	-0.039004
976	21016	0.023331	-0.033996	0.001751	0.010239	-0.016362	-0.001889	-0.041398
977	21038	0.022545	-0.033026	0.001743	0.007860	-0.014707	-0.001132	-0.044150
978	21059	0.021726	-0.031748	0.001754	0.005828	-0.013071	-0.000531	-0.046720
979	21081	0.020873	-0.030228	0.001773	0.004086	-0.011462	-0.000047	-0.048626
980	21103	0.019994	-0.028581	0.001790	0.002585	-0.009897	0.000361	-0.049557
981	21124	0.019101	-0.026947	0.001798	0.001288	-0.008402	0.000726	-0.049419
982	21146	0.018211	-0.025455	0.001793	0.000177	-0.006997	0.001074	-0.048331
983	21167	0.017335	-0.024197	0.001772	-0.000758	-0.005700	0.001412	-0.046555
984	21189	0.016481	-0.023203	0.001738	-0.001512	-0.004516	0.001735	-0.044411
985	21210	0.015645	-0.022438	0.001693	-0.002083	-0.003437	0.002024	-0.042186
986	21232	0.014811	-0.021815	0.001640	-0.002470	-0.002447	0.002259	-0.040072
987	21253	0.013962	-0.021220	0.001585	-0.002680	-0.001525	0.002422	-0.038139
988	21275	0.013077	-0.020548	0.001531	-0.002732	-0.000651	0.002504	-0.036352
989	21296	0.012147	-0.019731	0.001482	-0.002653	0.000187	0.002507	-0.034610
990	21318	0.011171	-0.018757	0.001442	-0.002478	0.000988	0.002447	-0.032806
991	21339	0.010162	-0.017676	0.001412	-0.002244	0.001742	0.002350	-0.030865
992	21361	0.009146	-0.016581	0.001393	-0.001984	0.002432	0.002247	-0.028774
993	21382	0.008148	-0.015586	0.001384	-0.001726	0.003040	0.002166	-0.026571
994	21404	0.007190	-0.014789	0.001385	-0.001485	0.003554	0.002130	-0.024324
995	21426	0.006283	-0.014247	0.001393	-0.001266	0.003975	0.002150	-0.022093
996	21447	0.005422	-0.013954	0.001406	-0.001065	0.004318	0.002226	-0.019896
997	21469	0.004588	-0.013845	0.001421	-0.000871	0.004611	0.002345	-0.017697
998	21490	0.003755	-0.013806	0.001437	-0.000669	0.004890	0.002490	-0.015417
999	21512	0.002898	-0.013706	0.001451	-0.000443	0.005193	0.002641	-0.012959
1000	21533	0.002002	-0.013430	0.001462	-0.000183	0.005548	0.002781	-0.010253
1001	21555	0.001072	-0.012906	0.001469	0.000119	0.005970	0.002903	-0.007290
1002	21576	0.000131	-0.012123	0.001472	0.000465	0.006455	0.003007	-0.004143
1003	21598	-0.000781	-0.011134	0.001473	0.000852	0.006981	0.003101	-0.000954
1004	21619	-0.001616	-0.010038	0.001472	0.001277	0.007517	0.003201	0.002094
1005	21641	-0.002333	-0.008951	0.001472	0.001735	0.008024	0.003322	0.004832
1006	21662	-0.002906	-0.007980	0.001475	0.002218	0.008470	0.003478	0.007157
1007	21684	-0.003331	-0.007190	0.001480	0.002723	0.008833	0.003676	0.009068
1008	21705	-0.003629	-0.006593	0.001490	0.003244	0.009107	0.003913	0.010674
1009	21727	-0.003839	-0.006147	0.001503	0.003773	0.009301	0.004180	0.012169
1010	21749	-0.004002	-0.005774	0.001518	0.004300	0.009436	0.004462	0.013773
1011	21770	-0.004151	-0.005381	0.001533	0.004810	0.009537	0.004741	0.015664
1012	21792	-0.004295	-0.004897	0.001545	0.005284	0.009627	0.005003	0.017906
1013	21813	-0.004415	-0.004290	0.001551	0.005701	0.009720	0.005238	0.020413
1014	21835	-0.004464	-0.003583	0.001550	0.006038	0.009819	0.005441	0.022947
1015	21856	-0.004376	-0.002845	0.001539	0.006279	0.009914	0.005616	0.025163
1016	21878	-0.004090	-0.002176	0.001519	0.006411	0.009989	0.005770	0.026687
1017	21899	-0.003562	-0.001676	0.001489	0.006433	0.010026	0.005913	0.027216
1018	21921	-0.002791	-0.001419	0.001452	0.006355	0.010012	0.006051	0.026607
1019	21942	-0.001821	-0.001425	0.001411	0.006200	0.009945	0.006187	0.024931
1020	21964	-0.000747	-0.001657	0.001369	0.005998	0.009837	0.006319	0.022483
1021	21985	0.000303	-0.002026	0.001332	0.005787	0.009708	0.006439	0.019730
1022	22007	0.001187	-0.002415	0.001302	0.005604	0.009587	0.006536	0.017224
1023	22028	0.001777	-0.002706	0.001282	0.005479	0.009502	0.006600	0.015476

Subject 12 left FFT

		Subject 12 0,0	Subject 12 36,0	Subject 12 72,0	Subject 12 36,16	Subject 12 36,48	Subject 12 36,80	Subject 12 36,112
0	0	-0.287800	-0.328109	-0.427647	-0.319559	-0.358059	-0.363525	-0.541647
1	22	-0.291066	-0.331299	-0.429030	-0.327927	-0.362797	-0.363424	-0.519187
2	43	-0.300573	-0.340442	-0.432088	-0.350783	-0.375009	-0.362322	-0.455946
3	65	-0.315348	-0.354171	-0.433743	-0.381764	-0.389122	-0.357984	-0.363420
4	86	-0.333517	-0.369959	-0.429477	-0.411491	-0.397184	-0.347191	-0.257921
5	108	-0.352056	-0.383909	-0.414135	-0.429179	-0.390577	-0.326410	-0.156975
6	129	-0.366672	-0.390759	-0.382864	-0.424495	-0.361857	-0.292531	-0.075465
7	151	-0.371961	-0.384230	-0.332004	-0.389342	-0.306370	-0.243562	-0.022390
8	172	-0.361894	-0.357802	-0.259814	-0.319283	-0.223272	-0.179131	0.001049
9	194	-0.330627	-0.305844	-0.166888	-0.214357	-0.115781	-0.100718	0.001607
10	215	-0.273500	-0.224894	-0.056215	-0.079182	0.009372	-0.011563	-0.007630
11	237	-0.188025	-0.114797	0.067134	0.077665	0.143165	0.083719	-0.010298
12	258	-0.074631	0.020619	0.196620	0.244874	0.275866	0.179750	0.009449
13	280	0.063038	0.173582	0.325067	0.410000	0.398662	0.271119	0.063233
14	301	0.218393	0.333239	0.445541	0.561191	0.504968	0.353102	0.155634
15	323	0.382717	0.487269	0.552173	0.688745	0.591178	0.422249	0.282876
16	345	0.546416	0.623969	0.640773	0.786275	0.656745	0.476754	0.433281
17	366	0.700452	0.734393	0.709163	0.851318	0.703634	0.516547	0.589378
18	388	0.837668	0.814097	0.757199	0.885341	0.735328	0.543128	0.731223
19	409	0.953734	0.864044	0.786495	0.893174	0.755672	0.559174	0.840194
20	431	1.047520	0.890436	0.799918	0.882007	0.767829	0.568002	0.902510
21	452	1.120832	0.903441	0.800965	0.860144	0.773604	0.573003	0.911744
22	474	1.177582	0.915025	0.793122	0.835703	0.773265	0.577115	0.869884
23	495	1.222598	0.936335	0.779315	0.815487	0.765857	0.582441	0.786775
24	517	1.260354	0.975170	0.761549	0.804141	0.749895	0.590030	0.678140
25	538	1.293906	1.034103	0.740760	0.803714	0.724211	0.599862	0.562634
26	560	1.324260	1.109666	0.716884	0.813625	0.688709	0.610986	0.458556
27	581	1.350300	1.192805	0.689123	0.830992	0.644814	0.621789	0.380866
28	603	1.369254	1.270542	0.656310	0.851246	0.595496	0.630325	0.339028
29	624	1.377559	1.328492	0.617316	0.868910	0.544834	0.634655	0.336001
30	646	1.371891	1.353728	0.571411	0.878418	0.497254	0.633129	0.368431
31	668	1.350091	1.337390	0.518499	0.874881	0.456614	0.624609	0.427846
32	689	1.311775	1.276494	0.459211	0.854716	0.425382	0.608584	0.502510
33	711	1.258476	1.174564	0.394840	0.816082	0.404106	0.585207	0.579489
34	732	1.193295	1.040986	0.327135	0.759105	0.391321	0.555246	0.646531
35	754	1.120184	0.889207	0.258014	0.685885	0.383915	0.519980	0.693472
36	775	1.043018	0.734203	0.189260	0.600310	0.377860	0.481052	0.713044
37	797	0.964722	0.589721	0.122241	0.507688	0.369135	0.440300	0.701129
38	818	0.886645	0.465881	0.057735	0.414248	0.354618	0.399573	0.656605
39	840	0.808346	0.367590	-0.004133	0.326539	0.332723	0.360548	0.580989
40	861	0.727827	0.294060	-0.063814	0.250781	0.303635	0.324553	0.478070
41	883	0.642159	0.239471	-0.122158	0.192223	0.269103	0.292416	0.353620
42	904	0.548342	0.194574	-0.180149	0.154572	0.231844	0.264348	0.215191
43	926	0.444196	0.148857	-0.238614	0.139560	0.194720	0.239890	0.071876
44	947	0.329077	0.092807	-0.297965	0.146690	0.159911	0.217927	-0.066086
45	969	0.204253	0.019792	-0.357998	0.173235	0.128283	0.196789	-0.188029
46	991	0.072867	-0.072776	-0.417811	0.214467	0.099134	0.174435	-0.283943
47	1012	-0.060499	-0.183181	-0.475825	0.264143	0.070358	0.148702	-0.345852
48	1034	-0.190549	-0.306024	-0.529941	0.315167	0.039016	0.117596	-0.369319
49	1055	-0.312144	-0.433521	-0.577771	0.360366	0.002136	0.079576	-0.354746
50	1077	-0.421106	-0.557149	-0.616947	0.393280	-0.042432	0.033782	-0.308158
51	1098	-0.514821	-0.669282	-0.645439	0.408846	-0.095358	-0.019819	-0.241164
52	1120	-0.592533	-0.764474	-0.661853	0.403889	-0.155519	-0.080419	-0.169932
53	1141	-0.655277	-0.840180	-0.665664	0.377351	-0.220144	-0.146491	-0.113197
54	1163	-0.705530	-0.896823	-0.657362	0.330212	-0.285383	-0.216017	-0.089538
55	1184	-0.746650	-0.937271	-0.638476	0.265146	-0.347174	-0.286807	-0.114318
56	1206	-0.782250	-0.965912	-0.611501	0.185938	-0.402207	-0.356835	-0.196835
57	1227	-0.815632	-0.987560	-0.579697	0.096798	-0.448740	-0.424538	-0.338216
58	1249	-0.849374	-1.006458	-0.546817	0.001655	-0.487075	-0.489014	-0.530506
59	1270	-0.885130	-1.025557	-0.516765	-0.096422	-0.519555	-0.550085	-0.757199
60	1292	-0.923623	-1.046198	-0.493228	-0.195605	-0.550067	-0.608205	-0.995229
61	1314	-0.964803	-1.068188	-0.479314	-0.295403	-0.583147	-0.664228	-1.218151
62	1335	-1.008088	-1.090207	-0.477242	-0.396493	-0.622881	-0.719098	-1.400025
63	1357	-1.052603	-1.110373	-0.488094	-0.500292	-0.671849	-0.773496	-1.519374
64	1378	-1.097380	-1.126834	-0.511678	-0.608385	-0.730348	-0.827553	-1.562554
65	1400	-1.141459	-1.138223	-0.546499	-0.721907	-0.796081	-0.880662	-1.525969
66	1421	-1.183918	-1.143895	-0.589862	-0.840997	-0.864395	-0.931462	-1.416757
67	1443	-1.223851	-1.143927	-0.638084	-0.964443	-0.929031	-0.977982	-1.251811
68	1464	-1.260338	-1.138925	-0.686812	-1.089596	-0.983252	-1.017942	-1.055308
69	1486	-1.292453	-1.129721	-0.731414	-1.212563	-1.021104	-1.049148	-0.855129
70	1507	-1.319340	-1.117069	-0.767404	-1.328666	-1.038579	-1.069910	-0.678748
71	1529	-1.340344	-1.101436	-0.790870	-1.433085	-1.034421	-1.079394	-0.549219
72	1550	-1.355179	-1.082929	-0.798847	-1.521575	-1.010437	-1.077842	-0.481876
73	1572	-1.364081	-1.061384	-0.789616	-1.591116	-0.971241	-1.066611	-0.482221
74	1593	-1.367900	-1.036565	-0.762876	-1.640392	-0.923491	-1.048007	-0.545269
75	1615	-1.368070	-1.008397	-0.719794	-1.670000	-0.874757	-1.024957	-0.656421
76	1637	-1.366454	-0.977174	-0.662898	-1.682349	-0.832255	-1.000561	-0.793681
77	1658	-1.365064	-0.943645	-0.595849	-1.681276	-0.801659	-0.977605	-0.930873
78	1680	-1.365714	-0.908970	-0.523096	-1.671428	-0.786215	-0.958143	-1.041387
79	1701	-1.369657	-0.874548	-0.449458	-1.657555	-0.786286	-0.943199	-1.101927
80	1723	-1.377301	-0.841750	-0.379665	-1.643806	-0.799388	-0.932664	-1.095768
81	1744	-1.388065	-0.811657	-0.317921	-1.633182	-0.820691	-0.925383	-1.015101
82	1766	-1.400421	-0.784858	-0.267511	-1.627214	-0.843870	-0.919437	-0.862186
83	1787	-1.412120	-0.761378	-0.230514	-1.625919	-0.862146	-0.912537	-0.649164
84	1809	-1.420574	-0.740768	-0.207628	-1.628020	-0.869353	-0.902463	-0.396585
85	1830	-1.423320	-0.722322	-0.198139	-1.631352	-0.860859	-0.887464	-0.130816
86	1852	-1.418461	-0.705369	-0.200033	-1.633371	-0.834238	-0.866543	0.119335
87	1873	-1.405012	-0.689562	-0.210226	-1.631634	-0.789602	-0.839565	0.326367
88	1895	-1.383051	-0.675070	-0.224904	-1.624164	-0.729589	-0.807199	0.467732
89	1916	-1.353664	-0.662601	-0.239925	-1.609628	-0.659026	-0.770679	0.528905
90	1938	-1.318678	-0.653244	-0.251248	-1.587323	-0.584335	-0.731481	0.505456
91	1960	-1.280239	-0.648155	-0.255342	-1.557004	-0.512752	-0.690955	0.403833
92	1981	-1.240335	-0.648135	-0.249525	-1.518636	-0.451446	-0.650010	0.240690
93	2003	-1.200345	-0.653247	-0.232221	-1.472157	-0.406644	-0.608917	0.040806
94	2024	-1.160741	-0.662533	-0.203078	-1.417353	-0.382822	-0.567272	-0.166146
95	2046	-1.120988	-0.673960	-0.162966	-1.353905	-0.382060	-0.524128	-0.349591
96	2067	-1.079673	-0.684604	-0.113838	-1.281590	-0.403642	-0.478255	-0.482234
97	2089	-1.034849	-0.691076	-0.058477	-1.200627	-0.443940	-0.428495	-0.543851
98	2110	-0.984505	-0.690087	-0.000159	-1.112043	-0.496646	-0.374113	-0.524109
99	2132	-0.927077	-0.679056	0.057719	-1.017963	-0.553347	-0.315071	-0.423992
100	2153	-0.861887	-0.656601	0.112029	-0.921708	-0.604414	-0.252165	-0.255596
101	2175	-0.789401	-0.622805	0.160241	-0.827621	-0.640121	-0.186981	-0.040296
102	2196	-0.711256	-0.579171	0.200682	-0.740612	-0.651867	-0.121669	0.194419
103	2218	-0.630041	-0.528276	0.232688	-0.665455	-0.633342	-0.058572	0.418985
104	2239	-0.548844	-0.473172	0.256629	-0.605971	-0.581452	0.000228	0.606035
105	2261	-0.470674	-0.416673	0.273817	-0.564228	-0.496861	0.053354	0.734251
106	2283	-0.397849	-0.360685	0.286315	-0.539945	-0.384022	0.100493	0.791201
107	2304	-0.331461	-0.305732	0.296665	-0.530222	-0.250678	0.142580	0.774765
108	2326	-0.271042	-0.250794	0.307578	-0.529701	-0.106862	0.181768	0.692975
109	2347	-0.214482	-0.193513	0.321632	-0.531157	0.036445	0.221178	0.562351
110	2369	-0.158235	-0.130728	0.340990	-0.526441	0.168816	0.264448	0.405084
111	2390	-0.097779	-0.059239	0.367200	-0.507637	0.281780	0.315158	0.245557
112	2412	-0.028270	0.023366	0.401062	-0.468240	0.369909	0.376217	0.106784
113	2433	0.054720	0.117996	0.442597	-0.404150	0.431402	0.449316	0.007318
114	2455	0.154496	0.223618	0.491088	-0.314303	0.468070	0.534536	-0.040938
115	2476	0.272671	0.337181	0.545192	-0.200835	0.484752	0.630189	-0.033792
116	2498	0.408830	0.453958	0.603107	-0.068737	0.488263	0.732914	0.025367
117	2519	0.560473	0.568218	0.662743	0.074959	0.486095	0.838037	0.126706
118	2541	0.723236	0.674124	0.721915	0.222318	0.485111	0.940141	0.255819
119	2562	0.891379	0.766690	0.778502	0.365796	0.490472	1.033760	0.395960
120	2584	1.058435	0.842600	0.830592	0.499494	0.504997	1.114108	0.530285
121	2606	1.217953	0.900775	0.876582	0.620154	0.529039	1.177728	0.643824
122	2627	1.364209	0.942558	0.915254	0.727777	0.560877	1.222963	0.724981
123	2649	1.492799	0.971531	0.945810	0.825731	0.597493	1.250200	0.766516
124	2670	1.601043	0.992969	0.967891	0.920345	0.635553	1.261817	0.765988
125	2692	1.688137	1.013071	0.981565	1.020046	0.672350	1.261883	0.725753
126	2713	1.755069	1.038073	0.987300	1.134121	0.706510	1.255617	0.652584
127	2735	1.804309	1.073393	0.985914	1.271311	0.738298	1.248710	0.556966
128	2756	1.839341	1.122941	0.978510	1.438392	0.769485	1.246589	0.452114
129	2778	1.864105	1.188660	0.966387	1.638975	0.802810	1.253731	0.352722
130	2799	1.882441	1.270362	0.950946	1.872681	0.841208	1.273116	0.273457
131	2821	1.897609	1.365853	0.933581	2.134840	0.886980	1.305884	0.227284
132	2842	1.911941	1.471302	0.915576	2.416780	0.941123	1.351238	0.223721
133	2864	1.926672	1.581813	0.898006	2.706699	1.003007	1.406593	0.267259
134	2885	1.941945	1.692088	0.881675	2.991027	1.070461	1.467937	0.356175
135	2907	1.956987	1.797126	0.867067	3.256094	1.140281	1.530349	0.482038
136	2929	1.970406	1.892858	0.854350	3.489885	1.209020	1.588597	0.630093
137	2950	1.980567	1.976635	0.843399	3.683605	1.273886	1.637734	0.780663
138	2972	1.985969	2.047525	0.833846	3.832810	1.333516	1.673615	0.911479
139	2993	1.985597	2.106364	0.825143	3.937895	1.388419	1.693271	1.000707
140	3015	1.979175	2.155542	0.816613	4.003843	1.440955	1.695121	1.030246
141	3036	1.967307	2.198556	0.807485	4.039231	1.494819	1.678985	0.988775
142	3058	1.951487	2.239368	0.796893	4.054650	1.554107	1.645936	0.874002
143	3079	1.933963	2.281659	0.783854	4.060754	1.622155	1.598024	0.693655
144	3101	1.917498	2.328085	0.767211	4.066284	1.700383	1.537901	0.464944
145	3122	1.905018	2.379645	0.745587	4.076378	1.787430	1.468438	0.212485
146	3144	1.899209	2.435280	0.717351	4.091471	1.878763	1.392349	-0.035057
147	3165	1.902095	2.491760	0.680633	4.106967	1.966908	1.311901	-0.249080
148	3187	1.914642	2.543907	0.633408	4.113767	2.042291	1.228702	-0.405257
149	3208	1.936446	2.585114	0.573651	4.099535	2.094572	1.143616	-0.487095
150	3230	1.965542	2.608100	0.499573	4.050517	2.114243	1.056774	-0.488258
151	3252	1.998388	2.605775	0.409892	3.953592	2.094197	0.967678	-0.413200
152	3273	2.030037	2.572095	0.304132	3.798227	2.030098	0.875383	-0.276025
153	3295	2.054509	2.502785	0.182868	3.578025	1.925590	0.778702	-0.097763
154	3316	2.065335	2.395823	0.047897	3.291666	1.783325	0.676428	0.097433
155	3338	2.056233	2.251649	-0.097734	2.943126	1.613284	0.567539	0.286480
156	3359	2.021825	2.073086	-0.249850	2.541214	1.427013	0.451361	0.451190
157	3381	1.958318	1.865009	-0.403445	2.098555	1.236861	0.327671	0.581041
158	3402	1.864041	1.633835	-0.553119	1.630241	1.054230	0.196750	0.674429
159	3424	1.739753	1.386883	-0.693615	1.152353	0.887988	0.059359	0.738201
160	3445	1.588665	1.131698	-0.820387	0.680569	0.743310	-0.083328	0.785607
161	3467	1.416149	0.875371	-0.930117	0.229565	0.621110	-0.229843	0.833100
162	3488	1.229162	0.623901	-1.021111	-0.190722	0.518130	-0.378565	0.896591
163	3510	1.035454	0.381627	-1.093499	-0.569981	0.427653	-0.527870	0.987886
164	3531	0.842669	0.150771	-1.149213	-0.903557	0.340702	-0.676261	1.111937
165	3553	0.657462	-0.068862	-1.191728	-1.189711	0.247540	-0.822469	1.265406
166	3575	0.484768	-0.279963	-1.225597	-1.430108	0.139241	-0.965502	1.436759
167	3596	0.327325	-0.487515	-1.255839	-1.629548	0.009111	-1.104639	1.607842
168	3618	0.185503	-0.698244	-1.287270	-1.795467	-0.146233	-1.239370	1.756618
169	3639	0.057506	-0.919727	-1.323858	-1.937199	-0.326255	-1.369289	1.860547
170	3661	-0.060169	-1.159196	-1.368201	-2.064984	-0.526446	-1.493964	1.900017
171	3682	-0.172019	-1.422178	-1.421199	-2.188784	-0.738823	-1.612809	1.861242
172	3704	-0.282736	-1.711163	-1.481948	-2.317018	-0.952917	-1.724974	1.738163
173	3725	-0.396426	-2.024534	-1.547884	-2.455419	-1.157136	-1.829294	1.533104
174	3747	-0.515961	-2.356015	-1.615130	-2.606207	-1.340335	-1.924291	1.256155
175	3768	-0.642575	-2.694815	-1.678988	-2.767789	-1.493395	-2.008257	0.923447
176	3790	-0.775724	-3.026546	-1.734512	-2.935109	-1.610593	-2.079380	0.554735
177	3811	-0.913244	-3.334858	-1.777063	-3.100660	-1.690562	-2.135926	0.170675
178	3833	-1.051744	-3.603582	-1.802766	-3.256013	-1.736677	-2.176421	-0.209697
179	3854	-1.187184	-3.819044	-1.808826	-3.393613	-1.756754	-2.199821	-0.570920
180	3876	-1.315531	-3.972136	-1.793667	-3.508480	-1.762058	-2.205624	-0.902264
181	3898	-1.433393	-4.059766	-1.756887	-3.599437	-1.765697	-2.193927	-1.197991
182	3919	-1.538552	-4.085370	-1.699073	-3.669568	-1.780622	-2.165400	-1.456828
183	3941	-1.630315	-4.058344	-1.621529	-3.725747	-1.817490	-2.121193	-1.680865
184	3962	-1.709639	-3.992468	-1.525958	-3.777260	-1.882759	-2.062799	-1.874175
185	3984	-1.779015	-3.903567	-1.414196	-3.833759	-1.977326	-1.991889	-2.041471
186	4005	-1.842123	-3.806838	-1.288014	-3.902961	-2.096008	-1.910156	-2.187048
187	4027	-1.903008	-3.714325	-1.149028	-3.988557	-2.227993	-1.819193	-2.314169
188	4048	-1.966935	-3.633018	-0.998735	-4.088816	-2.358288	-1.720416	-2.424934
189	4070	-2.038699	-3.563918	-0.838623	-4.196218	-2.469951	-1.615043	-2.520553
190	4091	-2.115000	-3.502229	-0.670348	-4.298267	-2.546786	-1.504109	-2.601850
191	4113	-2.202454	-3.438618	-0.495902	-4.379363	-2.576045	-1.388512	-2.669784
192	4134	-2.297630	-3.361261	-0.317742	-4.423405	-2.550660	-1.269064	-2.725797
193	4156	-2.397061	-3.258266	-0.138823	-4.416628	-2.470588	-1.146526	-2.771841
194	4177	-2.495561	-3.119983	0.037472	-4.350096	-2.342995	-1.021608	-2.810032
195	4199	-2.586820	-2.940780	0.207514	-4.221359	-2.181201	-0.894957	-2.842015
196	4221	-2.664226	-2.719968	0.367705	-4.034943	-2.002253	-0.767113	-2.868165
197	4242	-2.721790	-2.461760	0.514791	-3.801556	-1.825584	-0.638472	-2.886870
198	4264	-2.755083	-2.174354	0.646186	-3.536204	-1.666953	-0.509272	-2.894085
199	4285	-2.761894	-1.868378	0.760234	-3.255564	-1.538742	-0.379624	-2.883361
200	4307	-2.742869	-1.555066	0.856380	-2.975177	-1.446586	-0.249582	-2.846417
201	4328	-2.701415	-1.244547	0.935205	-2.706966	-1.388991	-0.119275	-2.774226
202	4350	-2.643408	-0.944546	0.998330	-2.457574	-1.357933	0.010949	-2.658459
203	4371	-2.576430	-0.659730	1.048194	-2.227772	-1.340642	0.140376	-2.493033
204	4393	-2.508713	-0.391697	1.087737	-2.013001	-1.322173	0.267829	-2.275466
205	4414	-2.447945	-0.139556	1.120029	-1.804857	-1.288297	0.391638	-2.007752
206	4436	-2.400123	0.099157	1.147902	-1.593168	-1.228130	0.509716	-1.696555
207	4457	-2.368653	0.327437	1.173635	-1.368227	-1.136036	0.619731	-1.352618
208	4479	-2.353854	0.547902	1.198720	-1.122729	-1.012447	0.719363	-0.989482
209	4500	-2.352952	0.762190	1.223744	-0.853089	-0.863509	0.806606	-0.621691
210	4522	-2.360572	0.970699	1.248396	-0.559960	-0.699673	0.880064	-0.262825
211	4544	-2.369661	1.172681	1.271585	-0.247949	-0.533553	0.939184	0.076296
212	4565	-2.372667	1.366552	1.291638	0.075309	-0.377517	0.984375	0.388895
213	4587	-2.362775	1.550296	1.306561	0.400455	-0.241485	1.016992	0.672762
214	4608	-2.334981	1.721828	1.314316	0.717802	-0.131353	1.039166	0.929937
215	4630	-2.286819	1.879226	1.313070	1.018547	-0.048295	1.053512	1.165600
216	4651	-2.218605	2.020805	1.301408	1.295642	0.010991	1.062758	1.386417
217	4673	-2.133175	2.145075	1.278463	1.544240	0.053218	1.069354	1.598656
218	4694	-2.035176	2.250644	1.243987	1.761762	0.086933	1.075139	1.806447
219	4716	-1.930034	2.336162	1.198334	1.947686	0.120777	1.081114	2.010541
220	4737	-1.822825	2.400357	1.142399	2.103191	0.161961	1.087361	2.207786
221	4759	-1.717229	2.442201	1.077495	2.230768	0.215233	1.093131	2.391418
222	4780	-1.614794	2.461148	1.005224	2.333893	0.282485	1.097068	2.552098
223	4802	-1.514606	2.457415	0.927337	2.416746	0.362990	1.097532	2.679455
224	4823	-1.413442	2.432180	0.845600	2.483987	0.454123	1.092963	2.763846
225	4845	-1.306356	2.387638	0.761690	2.540503	0.552319	1.082208	2.797975
226	4867	-1.187578	2.326865	0.677116	2.591106	0.654021	1.064766	2.778077
227	4888	-1.051569	2.253501	0.593165	2.640150	0.756381	1.040890	2.704473
228	4910	-0.894033	2.171289	0.510879	2.691108	0.857588	1.011560	2.581437
229	4931	-0.712721	2.083587	0.431052	2.746164	0.956804	0.978308	2.416456
230	4953	-0.507885	1.992937	0.354240	2.805912	1.053793	0.942957	2.219081
231	4974	-0.282348	1.900804	0.280790	2.869243	1.148403	0.907309	1.999619
232	4996	-0.041169	1.807526	0.210870	2.933463	1.240087	0.872859	1.767953
233	5017	0.208998	1.712487	0.144506	2.994648	1.327621	0.840568	1.532672
234	5039	0.460735	1.614473	0.081620	3.048181	1.409093	0.810739	1.300638
235	5060	0.706751	1.512107	0.022067	3.089370	1.482183	0.783021	1.076988
236	5082	0.940672	1.404294	-0.034330	3.114043	1.544633	0.756517	0.865466
237	5103	1.157643	1.290552	-0.087749	3.119015	1.594765	0.729977	0.668908
238	5125	1.354668	1.171189	-0.138344	3.102364	1.631905	0.702038	0.489700
239	5146	1.530662	1.047289	-0.186231	3.063494	1.656574	0.671461	0.330042
240	5168	1.686270	0.920544	-0.231478	3.003028	1.670394	0.637329	0.191927
241	5190	1.823487	0.792975	-0.274110	2.922581	1.675724	0.599170	0.076856
242	5211	1.945183	0.666628	-0.314115	2.824518	1.675122	0.557002	-0.014637
243	5233	2.054620	0.543299	-0.351460	2.711732	1.670777	0.511295	-0.083471
244	5254	2.155021	0.424356	-0.386108	2.587493	1.664063	0.462866	-0.132354
245	5276	2.249249	0.310669	-0.418032	2.455350	1.655326	0.412740	-0.165817
246	5297	2.339624	0.202645	-0.447228	2.319043	1.643969	0.361998	-0.189863
247	5319	2.427857	0.100336	-0.473714	2.182359	1.628805	0.311644	-0.211245
248	5340	2.515090	0.003579	-0.497528	2.048904	1.608579	0.262501	-0.236490
249	5362	2.601988	-0.087869	-0.518715	1.921750	1.582520	0.215162	-0.270849
250	5383	2.688840	-0.174234	-0.537310	1.803022	1.550769	0.169972	-0.317389
251	5405	2.775646	-0.255675	-0.553320	1.693480	1.514555	0.127063	-0.376429
252	5426	2.862150	-0.332267	-0.566706	1.592221	1.476074	0.086398	-0.445458
253	5448	2.947829	-0.404015	-0.577380	1.496608	1.438082	0.047843	-0.519574
254	5469	3.031857	-0.470870	-0.585201	1.402488	1.403300	0.011220	-0.592372
255	5491	3.113058	-0.532726	-0.589989	1.304735	1.373776	-0.023633	-0.657116
256	5513	3.189900	-0.589409	-0.591544	1.198041	1.350364	-0.056829	-0.707961
257	5534	3.260555	-0.640656	-0.589678	1.077829	1.332454	-0.088409	-0.740978
258	5556	3.323036	-0.686089	-0.584243	0.941117	1.318012	-0.118336	-0.754782
259	5577	3.375414	-0.725212	-0.575161	0.787153	1.303945	-0.146501	-0.750621
260	5599	3.416083	-0.757438	-0.562451	0.617668	1.286684	-0.172740	-0.731938
261	5620	3.444025	-0.782138	-0.546232	0.436688	1.262880	-0.196857	-0.703484
262	5642	3.459019	-0.798719	-0.526732	0.249918	1.230032	-0.218651	-0.670194
263	5663	3.461734	-0.806712	-0.504269	0.063807	1.186917	-0.237952	-0.636062
264	5685	3.453665	-0.805839	-0.479227	-0.115504	1.133740	-0.254654	-0.603269
265	5706	3.436898	-0.796070	-0.452021	-0.283159	1.071980	-0.268747	-0.571753
266	5728	3.413731	-0.777634	-0.423064	-0.436282	1.003986	-0.280341	-0.539321
267	5749	3.386203	-0.751007	-0.392734	-0.574261	0.932438	-0.289674	-0.502270
268	5771	3.355611	-0.716872	-0.361341	-0.698579	0.859803	-0.297107	-0.456404
269	5792	3.322126	-0.676063	-0.329120	-0.812245	0.787908	-0.303092	-0.398203
270	5814	3.284577	-0.629511	-0.296221	-0.918976	0.717727	-0.308123	-0.325901
271	5835	3.240469	-0.578192	-0.262725	-1.022297	0.649397	-0.312662	-0.240228
272	5857	3.186249	-0.523091	-0.228663	-1.124779	0.582432	-0.317066	-0.144633
273	5879	3.117795	-0.465155	-0.194047	-1.227546	0.516048	-0.321506	-0.044927
274	5900	3.031027	-0.405255	-0.158908	-1.330143	0.449503	-0.325908	0.051594
275	5922	2.922559	-0.344139	-0.123321	-1.430766	0.382338	-0.329921	0.137394
276	5943	2.790254	-0.282375	-0.087438	-1.526755	0.314464	-0.332919	0.206043
277	5965	2.633581	-0.220308	-0.051501	-1.615230	0.246094	-0.334055	0.253416
278	5986	2.453715	-0.158027	-0.015839	-1.693696	0.177537	-0.332345	0.278470
279	6008	2.253359	-0.095366	0.019137	-1.760499	0.108961	-0.326786	0.283450
280	6029	2.036325	-0.031951	0.052971	-1.815033	0.040194	-0.316503	0.273476
281	6051	1.806959	0.032708	0.085193	-1.857684	-0.029336	-0.300874	0.255570
282	6072	1.569521	0.099089	0.115368	-1.889560	-0.100503	-0.279656	0.237320
283	6094	1.327635	0.167516	0.143144	-1.912099	-0.174239	-0.253057	0.225440
284	6115	1.083894	0.238033	0.168292	-1.926658	-0.251260	-0.221762	0.224501
285	6137	0.839695	0.310322	0.190738	-1.934203	-0.331464	-0.186899	0.236088
286	6158	0.595298	0.383685	0.210578	-1.935154	-0.414324	-0.149947	0.258539
287	6180	0.350089	0.457093	0.228069	-1.929403	-0.498331	-0.112595	0.287312
288	6202	0.102975	0.529309	0.243607	-1.916483	-0.581531	-0.076568	0.315910
289	6223	-0.147175	0.599035	0.257677	-1.895808	-0.661924	-0.043447	0.337166
290	6245	-0.401107	0.665065	0.270788	-1.866919	-0.738007	-0.014493	0.344658
291	6266	-0.658863	0.726406	0.283404	-1.829646	-0.809294	0.009485	0.333963
292	6288	-0.919593	0.782335	0.295867	-1.784155	-0.876652	0.028217	0.303532
293	6309	-1.181510	0.832384	0.308329	-1.730858	-0.942338	0.041979	0.255023
294	6331	-1.441996	0.876260	0.320713	-1.670240	-1.009712	0.051550	0.193051
295	6352	-1.697819	0.913727	0.332680	-1.602638	-1.082621	0.058084	0.124417
296	6374	-1.945459	0.944480	0.343652	-1.528050	-1.164592	0.062952	0.056967
297	6395	-2.181481	0.968050	0.352842	-1.446042	-1.257995	0.067537	-0.001687
298	6417	-2.402968	0.983756	0.359337	-1.355773	-1.363347	0.073046	-0.045369
299	6438	-2.607936	0.990738	0.362188	-1.256153	-1.478943	0.080326	-0.070248
300	6460	-2.795714	0.988026	0.360518	-1.146105	-1.600912	0.089747	-0.075313
301	6481	-2.967212	0.974661	0.353629	-1.024876	-1.723700	0.101138	-0.062376
302	6503	-3.125032	0.949802	0.341092	-0.892338	-1.840905	0.113801	-0.035614
303	6525	-3.273337	0.912821	0.322811	-0.749210	-1.946308	0.126601	-0.000771
304	6546	-3.417455	0.863338	0.299044	-0.597190	-2.034880	0.138109	0.035826
305	6568	-3.563216	0.801209	0.270385	-0.438913	-2.103568	0.146792	0.068278
306	6589	-3.716066	0.726468	0.237707	-0.277808	-2.151699	0.151205	0.091978
307	6611	-3.880072	0.639253	0.202061	-0.117829	-2.180928	0.150174	0.104227
308	6632	-4.056988	0.539738	0.164559	0.036886	-2.194752	0.142929	0.104523
309	6654	-4.245542	0.428104	0.126248	0.182390	-2.197710	0.129174	0.094516
310	6675	-4.441137	0.304544	0.087994	0.315266	-2.194442	0.109096	0.077657
311	6697	-4.636067	0.169318	0.050391	0.432952	-2.188815	0.083294	0.058609
312	6718	-4.820286	0.022830	0.013714	0.533949	-2.183298	0.052656	0.042516
313	6740	-4.982634	-0.134298	-0.022080	0.617934	-2.178674	0.018214	0.034203
314	6761	-5.112356	-0.301174	-0.057308	0.685746	-2.174140	-0.019017	0.037415
315	6783	-5.200627	-0.476639	-0.092463	0.739232	-2.167705	-0.058168	0.054182
316	6804	-5.241805	-0.659306	-0.128093	0.780972	-2.156763	-0.098601	0.084357
317	6826	-5.234128	-0.847644	-0.164663	0.813893	-2.138674	-0.139933	0.125410
318	6848	-5.179716	-1.040068	-0.202424	0.840802	-2.111194	-0.182002	0.172496
319	6869	-5.083814	-1.235006	-0.241302	0.863920	-2.072663	-0.224781	0.218827
320	6891	-4.953420	-1.430921	-0.280841	0.884451	-2.021926	-0.268255	0.256311
321	6912	-4.795558	-1.626250	-0.320184	0.902284	-1.958049	-0.312297	0.276424
322	6934	-4.615545	-1.819343	-0.358118	0.915880	-1.879965	-0.356568	0.271214
323	6955	-4.415641	-2.008222	-0.393173	0.922392	-1.786191	-0.400455	0.234326
324	6977	-4.194380	-2.190509	-0.423752	0.918024	-1.674763	-0.443072	0.161896
325	6998	-3.946775	-2.363262	-0.448298	0.898600	-1.543469	-0.483323	0.053196
326	7020	-3.665401	-2.522940	-0.465457	0.860261	-1.390367	-0.520020	-0.089091
327	7041	-3.342159	-2.665456	-0.474224	0.800203	-1.214503	-0.552028	-0.259034
328	7063	-2.970398	-2.786347	-0.474059	0.717314	-1.016647	-0.578426	-0.448038
329	7084	-2.546955	-2.881031	-0.464954	0.612603	-0.799845	-0.598643	-0.643800
330	7106	-2.073700	-2.945133	-0.447436	0.489336	-0.569611	-0.612539	-0.841480
331	7127	-1.558239	-2.974839	-0.422525	0.352826	-0.333622	-0.620431	-1.024930
332	7149	-1.013619	-2.967221	-0.391635	0.209899	-0.100914	-0.623035	-1.187777
333	7171	-0.457042	-2.920512	-0.356437	0.068101	0.119334	-0.621344	-1.324211
334	7192	0.092171	-2.834287	-0.318704	-0.065223	0.319206	-0.616462	-1.431335
335	7214	0.614997	-2.709549	-0.280151	-0.183852	0.493382	-0.609405	-1.509074
336	7235	1.095071	-2.548708	-0.242289	-0.283447	0.640112	-0.600919	-1.559654
337	7257	1.520558	-2.355458	-0.206309	-0.362026	0.761606	-0.591343	-1.586790
338	7278	1.885215	-2.134573	-0.173005	-0.420078	0.863709	-0.580522	-1.594744
339	7300	2.188504	-1.891629	-0.142744	-0.460306	0.954885	-0.567826	-1.587423
340	7321	2.434779	-1.632671	-0.115478	-0.487022	1.044661	-0.552230	-1.567703
341	7343	2.631783	-1.363855	-0.090801	-0.505321	1.141816	-0.532480	-1.537061
342	7364	2.788769	-1.091085	-0.068038	-0.520152	1.252645	-0.507307	-1.495576
343	7386	2.914660	-0.819676	-0.046351	-0.535447	1.379634	-0.475655	-1.442245
344	7407	3.016573	-0.554079	-0.024858	-0.553450	1.520812	-0.436897	-1.375519
345	7429	3.098963	-0.297706	-0.002750	-0.574342	1.669911	-0.390992	-1.293928
346	7450	3.163491	-0.052867	0.020606	-0.596234	1.817317	-0.338577	-1.196633
347	7472	3.209542	0.179160	0.045592	-0.615498	1.951647	-0.280951	-1.083807
348	7494	3.235219	0.397945	0.072281	-0.627406	2.061649	-0.219972	-0.956762
349	7515	3.238526	0.603631	0.100419	-0.626941	2.138099	-0.157870	-0.817825
350	7537	3.218462	0.796629	0.129437	-0.609666	2.175324	-0.096990	-0.670015
351	7558	3.175773	0.977331	0.158489	-0.572504	2.172108	-0.039522	-0.516604
352	7580	3.113234	1.145903	0.186522	-0.514310	2.131816	0.012772	-0.360695
353	7601	3.035404	1.302195	0.212368	-0.436142	2.061758	0.058770	-0.204891
354	7623	2.947965	1.445776	0.234839	-0.341218	1.971914	0.098131	-0.051137
355	7644	2.856795	1.576087	0.252846	-0.234535	1.873295	0.131334	0.099264
356	7666	2.766995	1.692656	0.265498	-0.122264	1.776241	0.159603	0.245475
357	7687	2.682081	1.795314	0.272201	-0.010975	1.688955	0.184739	0.386885
358	7709	2.603485	1.884360	0.272732	0.093147	1.616520	0.208870	0.522878
359	7730	2.530459	1.960600	0.267282	0.185006	1.560541	0.234160	0.652688
360	7752	2.460376	2.025260	0.256474	0.261098	1.519408	0.262507	0.775408
361	7773	2.389339	2.079806	0.241327	0.319768	1.489099	0.295285	0.890141
362	7795	2.312976	2.125602	0.223201	0.361192	1.464309	0.333146	0.996252
363	7817	2.227257	2.163675	0.203691	0.387113	1.439676	0.375939	1.093655
364	7838	2.129200	2.194463	0.184501	0.400407	1.410864	0.422719	1.183013
365	7860	2.017352	2.217714	0.167300	0.404546	1.375317	0.471878	1.265792
366	7881	1.891981	2.232541	0.153572	0.403082	1.332573	0.521362	1.344077
367	7903	1.754994	2.237616	0.144476	0.399199	1.284110	0.568941	1.420176
368	7924	1.609596	2.231467	0.140730	0.395424	1.232820	0.612506	1.496047
369	7946	1.459805	2.212808	0.142538	0.393495	1.182217	0.650334	1.572661
370	7967	1.309871	2.180811	0.149553	0.394386	1.135589	0.681298	1.649427
371	7989	1.163732	2.135266	0.160902	0.398446	1.095225	0.704990	1.723837
372	8010	1.024561	2.076582	0.175253	0.405596	1.061904	0.721732	1.791429
373	8032	0.894463	2.005642	0.190938	0.415525	1.034681	0.732496	1.846129
374	8053	0.774360	1.923541	0.206106	0.427844	1.011042	0.738723	1.880960
375	8075	0.664054	1.831285	0.218891	0.442169	0.987332	0.742101	1.889025
376	8096	0.562442	1.729537	0.227595	0.458134	0.959405	0.744303	1.864602
377	8118	0.467855	1.618474	0.230850	0.475358	0.923345	0.746754	1.804166
378	8140	0.378436	1.497802	0.227745	0.493387	0.876131	0.750441	1.707156
379	8161	0.292527	1.366931	0.217924	0.511662	0.816153	0.755803	1.576300
380	8183	0.208982	1.225267	0.201613	0.529518	0.743471	0.762701	1.417456
381	8204	0.127365	1.072556	0.179605	0.546234	0.659806	0.770490	1.238934
382	8226	0.048006	0.909187	0.153181	0.561121	0.568259	0.778143	1.050423
383	8247	-0.028089	0.736387	0.123999	0.573614	0.472825	0.784442	0.861683
384	8269	-0.099463	0.556241	0.093929	0.583341	0.377773	0.788170	0.681226
385	8290	-0.164517	0.371544	0.064893	0.590146	0.286994	0.788300	0.515217
386	8312	-0.221856	0.185499	0.038683	0.594038	0.203424	0.784132	0.366780
387	8333	-0.270593	0.001342	0.016808	0.595086	0.128624	0.775377	0.235823
388	8355	-0.310563	-0.178034	0.000366	0.593272	0.062568	0.762164	0.119420
389	8376	-0.342410	-0.350369	-0.010043	0.588357	0.003684	0.744987	0.012646
390	8398	-0.367516	-0.514174	-0.014356	0.579792	-0.050874	0.724601	-0.090278
391	8419	-0.387802	-0.668701	-0.013036	0.566715	-0.104768	0.701885	-0.194755
392	8441	-0.405428	-0.813748	-0.007009	0.548055	-0.161885	0.677697	-0.304711
393	8463	-0.422463	-0.949362	0.002430	0.522728	-0.225716	0.652759	-0.421846
394	8484	-0.440568	-1.075513	0.013751	0.489896	-0.298791	0.627564	-0.545314
395	8506	-0.460779	-1.191807	0.025330	0.449231	-0.382249	0.602345	-0.671917
396	8527	-0.483399	-1.297335	0.035602	0.401130	-0.475602	0.577093	-0.796705
397	8549	-0.508027	-1.390666	0.043193	0.346812	-0.576738	0.551597	-0.913874
398	8570	-0.533708	-1.470021	0.047031	0.288281	-0.682144	0.525569	-1.017761
399	8592	-0.559160	-1.533575	0.046431	0.228134	-0.787328	0.498706	-1.103752
400	8613	-0.583024	-1.579841	0.041131	0.169247	-0.887379	0.470793	-1.168931
401	8635	-0.604092	-1.608055	0.031293	0.114395	-0.977573	0.441763	-1.212390
402	8656	-0.621456	-1.618485	0.017466	0.065872	-1.053955	0.411714	-1.235174
403	8678	-0.634568	-1.612591	0.000513	0.025186	-1.113813	0.380684	-1.239911
404	8699	-0.643198	-1.593013	-0.018479	-0.007116	-1.155984	0.349593	-1.230263
405	8721	-0.647327	-1.563345	-0.038309	-0.031463	-1.180964	0.318145	-1.210310
406	8742	-0.646990	-1.527746	-0.057772	-0.049109	-1.190814	0.286735	-1.184021
407	8764	-0.642144	-1.490408	-0.075756	-0.061857	-1.188882	0.255360	-1.154874
408	8786	-0.632566	-1.454973	-0.091330	-0.071708	-1.179403	0.223759	-1.125688
409	8807	-0.617828	-1.423961	-0.103803	-0.080501	-1.167012	0.191405	-1.098606
410	8829	-0.597343	-1.398313	-0.112760	-0.089621	-1.156249	0.157541	-1.075171
411	8850	-0.570466	-1.377110	-0.118072	-0.099802	-1.151107	0.121279	-1.056392
412	8872	-0.536626	-1.357535	-0.119881	-0.111075	-1.154665	0.081727	-1.042724
413	8893	-0.495449	-1.335107	-0.118567	-0.122841	-1.168834	0.038144	-1.033907
414	8915	-0.446846	-1.304171	-0.114707	-0.134045	-1.194229	-0.009912	-1.028684
415	8936	-0.391032	-1.258612	-0.109022	-0.143423	-1.230163	-0.062463	-1.024476
416	8958	-0.328492	-1.192701	-0.102323	-0.149744	-1.274748	-0.119039	-1.017130
417	8979	-0.259889	-1.101965	-0.095460	-0.152033	-1.325096	-0.178687	-1.000871
418	9001	-0.185963	-0.983952	-0.089282	-0.149709	-1.377580	-0.240039	-0.968572
419	9022	-0.107426	-0.838765	-0.084590	-0.142652	-1.428166	-0.301461	-0.912406
420	9044	-0.024915	-0.669259	-0.082102	-0.131173	-1.472767	-0.361251	-0.824838
421	9065	0.061006	-0.480852	-0.082421	-0.115922	-1.507614	-0.417865	-0.699852
422	9087	0.149777	-0.280939	-0.086003	-0.097748	-1.529616	-0.470134	-0.534218
423	9109	0.240726	-0.077986	-0.093127	-0.077555	-1.536680	-0.517441	-0.328573
424	9130	0.332948	0.119576	-0.103868	-0.056163	-1.527941	-0.559827	-0.088061
425	9152	0.425195	0.304488	-0.118075	-0.034215	-1.503894	-0.598002	0.177614
426	9173	0.515841	0.471643	-0.135360	-0.012132	-1.466363	-0.633253	0.454853
427	9195	0.602913	0.618745	-0.155103	0.009879	-1.418317	-0.667255	0.727474
428	9216	0.684216	0.746504	-0.176465	0.031762	-1.363517	-0.701812	0.978550
429	9238	0.757524	0.858350	-0.198432	0.053523	-1.306024	-0.738549	1.192492
430	9259	0.820798	0.959656	-0.219876	0.075108	-1.249626	-0.778613	1.357075
431	9281	0.872391	1.056623	-0.239628	0.096292	-1.197255	-0.822418	1.465069
432	9302	0.911199	1.154991	-0.256571	0.116592	-1.150486	-0.869478	1.515202
433	9324	0.936720	1.258785	-0.269728	0.135218	-1.109213	-0.918361	1.512281
434	9345	0.949007	1.369342	-0.278356	0.151086	-1.071560	-0.966774	1.466427
435	9367	0.948536	1.484761	-0.282007	0.162891	-1.034087	-1.011780	1.391515
436	9388	0.936014	1.599911	-0.280573	0.169248	-0.992262	-1.050117	1.303070
437	9410	0.912179	1.706998	-0.274296	0.168877	-0.941164	-1.078579	1.215919
438	9432	0.877634	1.796612	-0.263741	0.160807	-0.876290	-1.094419	1.141970
439	9453	0.832764	1.859106	-0.249731	0.144570	-0.794361	-1.095700	1.088464
440	9475	0.777740	1.886063	-0.233258	0.120347	-0.693957	-1.081550	1.056953
441	9496	0.712614	1.871648	-0.215376	0.089032	-0.575872	-1.052286	1.043176
442	9518	0.637474	1.813586	-0.197085	0.052190	-0.443100	-1.009380	1.037825
443	9539	0.552598	1.713634	-0.179227	0.011899	-0.300427	-0.955261	1.028099
444	9561	0.458576	1.577443	-0.162402	-0.029498	-0.153689	-0.892991	0.999787
445	9582	0.356348	1.413832	-0.146918	-0.069717	-0.008817	-0.825854	0.939568
446	9604	0.247143	1.233570	-0.132778	-0.106876	0.129175	-0.756907	0.837189
447	9625	0.132316	1.047867	-0.119705	-0.139789	0.257047	-0.688580	0.687186
448	9647	0.013148	0.866793	-0.107200	-0.168191	0.373884	-0.622358	0.489914
449	9668	-0.109378	0.697874	-0.094632	-0.192814	0.481196	-0.558625	0.251731
450	9690	-0.234728	0.545105	-0.081333	-0.215315	0.582541	-0.496662	-0.015661
451	9711	-0.362868	0.408513	-0.066698	-0.238062	0.682711	-0.434830	-0.299631
452	9733	-0.494188	0.284367	-0.050266	-0.263787	0.786632	-0.370895	-0.573556
453	9755	-0.629288	0.166003	-0.031786	-0.295177	0.898166	-0.302455	-0.829003
454	9776	-0.768695	0.045128	-0.011240	-0.334461	1.019072	-0.227395	-1.047841
455	9798	-0.912537	-0.086594	0.011159	-0.383043	1.148324	-0.144311	-1.218992
456	9819	-1.060276	-0.235926	0.035000	-0.441258	1.281959	-0.052830	-1.336589
457	9841	-1.210552	-0.406692	0.059734	-0.508275	1.413506	0.046225	-1.400393
458	9862	-1.361178	-0.598871	0.084739	-0.582153	1.534951	0.150848	-1.415463
459	9884	-1.509309	-0.808312	0.109392	-0.660058	1.638068	0.258044	-1.391130
460	9905	-1.651740	-1.027134	0.133132	-0.738579	1.715888	0.364178	-1.339480
461	9927	-1.785295	-1.244725	0.155495	-0.814110	1.764019	0.465413	-1.273554
462	9948	-1.907220	-1.449201	0.176136	-0.883234	1.781553	0.558187	-1.205552
463	9970	-2.015514	-1.629071	0.194818	-0.943048	1.771377	0.639645	-1.145262
464	9991	-2.109132	-1.774831	0.211390	-0.991399	1.739810	0.707967	-1.098933
465	10013	-2.188032	-1.880233	0.225743	-1.026991	1.695590	0.762534	-1.068689
466	10034	-2.253066	-1.943018	0.237764	-1.049371	1.648408	0.803931	-1.052542
467	10056	-2.305750	-1.965006	0.247310	-1.058798	1.607228	0.833760	-1.044940
468	10078	-2.347953	-1.951563	0.254178	-1.056039	1.578713	0.854330	-1.037748
469	10099	-2.381577	-1.910543	0.258117	-1.042121	1.566044	0.868253	-1.021502
470	10121	-2.408279	-1.850930	0.258855	-1.018090	1.568348	0.878021	-0.986758
471	10142	-2.429262	-1.781412	0.256144	-0.984810	1.580648	0.885632	-0.925386
472	10164	-2.445170	-1.709146	0.249835	-0.942846	1.595711	0.892315	-0.831652
473	10185	-2.456065	-1.638915	0.239939	-0.892423	1.603440	0.898402	-0.703016
474	10207	-2.461483	-1.572779	0.226691	-0.833483	1.594544	0.903344	-0.540562
475	10228	-2.460526	-1.510253	0.210586	-0.765807	1.561215	0.905882	-0.349060
476	10250	-2.451986	-1.448918	0.192386	-0.689184	1.498682	0.904319	-0.136666
477	10271	-2.434476	-1.385317	0.173087	-0.603592	1.406040	0.896852	0.085718
478	10293	-2.406554	-1.315923	0.153846	-0.509349	1.286403	0.881908	0.305351
479	10314	-2.366855	-1.238015	0.135872	-0.407222	1.146385	0.858428	0.508778
480	10336	-2.314218	-1.150284	0.120302	-0.298454	0.995023	0.826060	0.683070
481	10357	-2.247815	-1.053099	0.108060	-0.184722	0.842350	0.785238	0.817090
482	10379	-2.167258	-0.948424	0.099735	-0.068030	0.697862	0.737133	0.902650
483	10401	-2.072678	-0.839445	0.095487	0.049449	0.569171	0.683510	0.935440
484	10422	-1.964741	-0.730025	0.094996	0.165548	0.461027	0.626503	0.915597
485	10444	-1.844593	-0.624107	0.097469	0.278258	0.374867	0.568354	0.847821
486	10465	-1.713717	-0.525191	0.101710	0.385856	0.308916	0.511171	0.740969
487	10487	-1.573720	-0.435973	0.106234	0.486964	0.258786	0.456713	0.607138
488	10508	-1.426072	-0.358166	0.109435	0.580550	0.218427	0.406247	0.460323
489	10530	-1.271841	-0.292509	0.109772	0.665874	0.181248	0.360488	0.314780
490	10551	-1.111484	-0.238903	0.105948	0.742393	0.141210	0.319607	0.183329
491	10573	-0.944731	-0.196611	0.097084	0.809657	0.093717	0.283306	0.075815
492	10594	-0.770597	-0.164448	0.082827	0.867204	0.036185	0.250937	-0.002038
493	10616	-0.587527	-0.140926	0.063413	0.914499	-0.031759	0.221631	-0.049180
494	10637	-0.393654	-0.124330	0.039653	0.950902	-0.108444	0.194438	-0.069125
495	10659	-0.187126	-0.112720	0.012850	0.975692	-0.190617	0.168433	-0.069157
496	10680	0.033572	-0.103924	-0.015338	0.988125	-0.274088	0.142804	-0.058987
497	10702	0.269347	-0.095520	-0.043084	0.987518	-0.354450	0.116905	-0.049056
498	10724	0.520335	-0.084884	-0.068590	0.973339	-0.427745	0.090286	-0.048770
499	10745	0.785880	-0.069295	-0.090281	0.945289	-0.490996	0.062699	-0.064947
500	10767	1.064640	-0.046105	-0.106974	0.903352	-0.542542	0.034096	-0.100718
501	10788	1.354800	-0.012963	-0.117984	0.847822	-0.582153	0.004621	-0.155071
502	10810	1.654328	0.031963	-0.123184	0.779281	-0.610943	-0.025399	-0.223080
503	10831	1.961229	0.089796	-0.122985	0.698555	-0.631104	-0.055467	-0.296774
504	10853	2.273722	0.160819	-0.118260	0.606641	-0.645529	-0.084929	-0.366476
505	10874	2.590321	0.244458	-0.110220	0.504617	-0.657373	-0.113005	-0.422372
506	10896	2.909784	0.339352	-0.100254	0.393560	-0.669624	-0.138829	-0.456046
507	10917	3.230967	0.443524	-0.089764	0.274469	-0.684725	-0.161511	-0.461717
508	10939	3.552601	0.554617	-0.080011	0.148219	-0.704301	-0.180210	-0.437013
509	10960	3.873045	0.670179	-0.071984	0.015559	-0.729007	-0.194226	-0.383159
510	10982	4.190078	0.787938	-0.066316	-0.122851	-0.758520	-0.203085	-0.304622
511	11003	4.500766	0.906057	-0.063252	-0.266343	-0.791657	-0.206621	-0.208278
512	11025	4.801435	1.023327	-0.062653	-0.414096	-0.826603	-0.205030	-0.102317
513	11047	5.087761	1.139267	-0.064056	-0.564964	-0.861206	-0.198892	0.004943
514	11068	5.354961	1.254130	-0.066753	-0.717286	-0.893308	-0.189150	0.106107
515	11090	5.598040	1.368786	-0.069894	-0.868736	-0.921036	-0.177040	0.195479
516	11111	5.812073	1.484502	-0.072594	-1.016233	-0.943043	-0.163983	0.269473
517	11133	5.992452	1.602620	-0.074030	-1.155961	-0.958644	-0.151445	0.326636
518	11154	6.135067	1.724179	-0.073524	-1.283524	-0.967835	-0.140774	0.367359
519	11176	6.236401	1.849519	-0.070600	-1.394232	-0.971211	-0.133053	0.393367
520	11197	6.293514	1.977941	-0.065021	-1.483506	-0.969801	-0.128965	0.407134
521	11219	6.303955	2.107476	-0.056796	-1.547347	-0.964844	-0.128709	0.411338
522	11240	6.265609	2.234828	-0.046173	-1.582790	-0.957575	-0.131975	0.408451
523	11262	6.176548	2.355522	-0.033603	-1.588261	-0.949037	-0.137980	0.400518
524	11283	6.034932	2.464257	-0.019703	-1.563755	-0.939967	-0.145574	0.389114
525	11305	5.839003	2.555442	-0.005197	-1.510778	-0.930747	-0.153397	0.375439
526	11326	5.587212	2.623816	0.009142	-1.432040	-0.921444	-0.160068	0.360479
527	11348	5.278487	2.665072	0.022559	-1.330923	-0.911886	-0.164382	0.345156
528	11370	4.912606	2.676373	0.034379	-1.210818	-0.901772	-0.165494	0.330404
529	11391	4.490636	2.656649	0.044071	-1.074454	-0.890757	-0.163042	0.317136
530	11413	4.015353	2.606623	0.051293	-0.923348	-0.878517	-0.157211	0.306110
531	11434	3.491551	2.528559	0.055928	-0.757511	-0.864755	-0.148711	0.297729
532	11456	2.926168	2.425766	0.058100	-0.575496	-0.849179	-0.138675	0.291840
533	11477	2.328170	2.301955	0.058158	-0.374815	-0.831449	-0.128490	0.287591
534	11499	1.708162	2.160585	0.056640	-0.152667	-0.811142	-0.119581	0.283429
535	11520	1.077781	2.004319	0.054209	0.093136	-0.787739	-0.113190	0.277242
536	11542	0.448912	1.834707	0.051567	0.363221	-0.760674	-0.110168	0.266670
537	11563	-0.167131	1.652163	0.049364	0.655879	-0.729427	-0.110838	0.249533
538	11585	-0.760359	1.456232	0.048100	0.966627	-0.693660	-0.114929	0.224298
539	11606	-1.322681	1.246085	0.048050	1.288241	-0.653359	-0.121605	0.190509
540	11628	-1.848213	1.021132	0.049215	1.611270	-0.608938	-0.129588	0.149079
541	11649	-2.333287	0.781614	0.051307	1.924992	-0.561276	-0.137355	0.102372
542	11671	-2.776215	0.529045	0.053780	2.218646	-0.511651	-0.143369	0.054044
543	11693	-3.176847	0.266384	0.055908	2.482738	-0.461579	-0.146325	0.008648
544	11714	-3.536061	-0.002074	0.056884	2.710185	-0.412560	-0.145359	-0.028958
545	11736	-3.855282	-0.271099	0.055949	2.897089	-0.365789	-0.140187	-0.054287
546	11757	-4.136124	-0.535118	0.052520	3.042998	-0.321878	-0.131156	-0.063896
547	11779	-4.380203	-0.788882	0.046293	3.150605	-0.280654	-0.119202	-0.055933
548	11800	-4.589126	-1.028073	0.037318	3.224941	-0.241089	-0.105710	-0.030460
549	11822	-4.764592	-1.249722	0.026016	3.272213	-0.201386	-0.092316	0.010509
550	11843	-4.908540	-1.452379	0.013145	3.298496	-0.159224	-0.080674	0.063207
551	11865	-5.023238	-1.635985	-0.000291	3.308530	-0.112126	-0.072222	0.122699
552	11886	-5.111256	-1.801523	-0.013172	3.304826	-0.057900	-0.067995	0.183461
553	11908	-5.175298	-1.950502	-0.024413	3.287233	0.004939	-0.068505	0.240150
554	11929	-5.217912	-2.084404	-0.033119	3.253043	0.076826	-0.073702	0.288273
555	11951	-5.241148	-2.204218	-0.038715	3.197570	0.156968	-0.083017	0.324696
556	11972	-5.246270	-2.310134	-0.041026	3.115111	0.243558	-0.095483	0.347919
557	11994	-5.233607	-2.401470	-0.040305	3.000080	0.332992	-0.109899	0.358080
558	12016	-5.202621	-2.476810	-0.037196	2.848116	0.422252	-0.125007	0.356702
559	12037	-5.151258	-2.534327	-0.032634	2.656973	0.507399	-0.139664	0.346243
560	12059	-5.081118	-2.572188	-0.027709	2.427057	0.585089	-0.152968	0.329524
561	12080	-4.988598	-2.588978	-0.023503	2.161531	0.652827	-0.164331	0.309159
562	12102	-4.874784	-2.584027	-0.020936	1.866012	0.709282	-0.173496	0.287061
563	12123	-4.741050	-2.557595	-0.020630	1.547921	0.754405	-0.180494	0.264115
564	12145	-4.590021	-2.510691	-0.022836	1.215640	0.789351	-0.185589	0.240063
565	12166	-4.425274	-2.445930	-0.027403	0.877603	0.816199	-0.189079	0.213597
566	12188	-4.250777	-2.365272	-0.033823	0.541479	0.837539	-0.191418	0.182647
567	12209	-4.070172	-2.271706	-0.041323	0.213546	0.855999	-0.192962	0.144796
568	12231	-3.886060	-2.167949	-0.048992	-0.101668	0.873774	-0.193811	0.097793
569	12252	-3.699489	-2.056402	-0.055929	-0.401461	0.892267	-0.194308	0.039794
570	12274	-3.509674	-1.939011	-0.061375	-0.684799	0.911866	-0.194499	-0.029846
571	12295	-3.314208	-1.817232	-0.064821	-0.951957	0.931911	-0.194467	-0.110772
572	12317	-3.109561	-1.692094	-0.066065	-1.204068	0.950839	-0.194310	-0.201360
573	12339	-2.891878	-1.564336	-0.065219	-1.442647	0.966478	-0.194172	-0.298852
574	12360	-2.657887	-1.434555	-0.062663	-1.669160	0.976433	-0.194241	-0.399613
575	12382	-2.405731	-1.303354	-0.058961	-1.884702	0.978503	-0.194725	-0.499485
576	12403	-2.135538	-1.171442	-0.054747	-2.089792	0.971052	-0.195805	-0.594208
577	12425	-1.849639	-1.039673	-0.050616	-2.284310	0.953289	-0.197573	-0.679841
578	12446	-1.552353	-0.909024	-0.047024	-2.467546	0.925402	-0.199973	-0.753157
579	12468	-1.249418	-0.780512	-0.044230	-2.638338	0.888547	-0.202758	-0.811941
580	12489	-0.947167	-0.655087	-0.042263	-2.795274	0.844689	-0.205485	-0.855183
581	12511	-0.651630	-0.533511	-0.040953	-2.936902	0.796342	-0.207540	-0.883361
582	12532	-0.367721	-0.416256	-0.039979	-3.061932	0.746239	-0.208214	-0.897197
583	12554	-0.098681	-0.303446	-0.038953	-3.169385	0.696994	-0.206799	-0.899756
584	12575	0.154155	-0.194848	-0.037508	-3.258691	0.650807	-0.202709	-0.893802
585	12597	0.391237	-0.089928	-0.035375	-3.329709	0.609239	-0.195595	-0.882570
586	12618	0.614378	0.012035	-0.032438	-3.382685	0.573102	-0.185427	-0.869111
587	12640	0.826141	0.111800	-0.028756	-3.418158	0.542448	-0.172543	-0.855910
588	12662	1.029161	0.209985	-0.024551	-3.436646	0.516662	-0.157639	-0.844578
589	12683	1.225550	0.306910	-0.020162	-3.439519	0.494623	-0.141696	-0.835659
590	12705	1.416453	0.402460	-0.015977	-3.426914	0.474917	-0.125863	-0.828604
591	12726	1.601849	0.496027	-0.012364	-3.399672	0.456044	-0.111302	-0.821869
592	12748	1.780576	0.586518	-0.009620	-3.358340	0.436617	-0.099025	-0.813173
593	12769	1.950555	0.672450	-0.007823	-3.303404	0.415500	-0.089743	-0.799855
594	12791	2.109143	0.752168	-0.007006	-3.235353	0.391906	-0.083753	-0.779080
595	12812	2.253545	0.823978	-0.006974	-3.154732	0.365423	-0.080889	-0.749244
596	12834	2.381201	0.886494	-0.007431	-3.062189	0.335997	-0.080539	-0.708315
597	12855	2.490111	0.938804	-0.008019	-2.958457	0.303879	-0.081726	-0.656072
598	12877	2.579051	0.980643	-0.008381	-2.844308	0.269549	-0.083251	-0.593198
599	12898	2.647689	1.012456	-0.008223	-2.720460	0.233635	-0.083867	-0.521435
600	12920	2.696587	1.035349	-0.007356	-2.587480	0.196840	-0.082463	-0.443401
601	12941	2.727122	1.050927	-0.005718	-2.445697	0.159878	-0.078228	-0.362310
602	12963	2.741341	1.061055	-0.003376	-2.295186	0.123421	-0.070767	-0.281629
603	12985	2.741762	1.067560	-0.000495	-2.135802	0.088059	-0.060155	-0.204723
604	13006	2.731146	1.071946	0.002705	-1.967317	0.054268	-0.046922	-0.134530
605	13028	2.712248	1.075150	0.006001	-1.789606	0.022371	-0.031962	-0.073298
606	13049	2.687580	1.077408	0.009217	-1.602856	-0.007488	-0.016394	-0.022414
607	13071	2.659189	1.078233	0.012264	-1.407762	-0.035368	-0.001387	0.017685
608	13092	2.628490	1.076524	0.015156	-1.205636	-0.061553	0.012019	0.047494
609	13114	2.596170	1.070788	0.018014	-0.998407	-0.086549	0.023070	0.068352
610	13135	2.562168	1.059430	0.021035	-0.788487	-0.111057	0.031405	0.082279
611	13157	2.525764	1.041067	0.024461	-0.578512	-0.135921	0.037106	0.091759
612	13178	2.485735	1.014808	0.028525	-0.371004	-0.162050	0.040677	0.099492
613	13200	2.440578	0.980455	0.033410	-0.168015	-0.190313	0.042955	0.108120
614	13221	2.388768	0.938582	0.039208	0.029179	-0.221432	0.044983	0.119949
615	13243	2.328996	0.890491	0.045901	0.220261	-0.255867	0.047842	0.136690
616	13264	2.260370	0.838032	0.053361	0.405893	-0.293738	0.052448	0.159250
617	13286	2.182548	0.783342	0.061362	0.587550	-0.334768	0.059614	0.187580
618	13308	2.095777	0.728531	0.069617	0.767204	-0.378285	0.069553	0.220627
619	13329	2.000862	0.675364	0.077814	0.946899	-0.423260	0.082232	0.256397
620	13351	1.899053	0.625019	0.085664	1.128302	-0.468408	0.097209	0.292142
621	13372	1.791892	0.577921	0.092932	1.312305	-0.512309	0.113667	0.324658
622	13394	1.681026	0.533724	0.099464	1.498764	-0.553556	0.130774	0.350671
623	13415	1.568035	0.491408	0.105193	1.686406	-0.590898	0.147435	0.367267
624	13437	1.454270	0.449502	0.110132	1.872937	-0.623365	0.162775	0.372294
625	13458	1.340736	0.406378	0.114351	2.055302	-0.650352	0.176099	0.364701
626	13480	1.228019	0.360579	0.117945	2.230072	-0.671683	0.187009	0.344727
627	13501	1.116269	0.311128	0.121001	2.393923	-0.687495	0.195432	0.313936
628	13523	1.005235	0.257758	0.123564	2.543938	-0.698388	0.201606	0.275049
629	13544	0.894360	0.201032	0.125619	2.678024	-0.705131	0.206017	0.231625
630	13566	0.782914	0.142328	0.127079	2.795025	-0.708653	0.209299	0.187613
631	13587	0.670168	0.083696	0.127793	2.894758	-0.709908	0.212116	0.146851
632	13609	0.555572	0.027600	0.127564	2.977872	-0.709762	0.215051	0.112565
633	13631	0.438921	-0.023406	0.126182	3.045613	-0.708910	0.218506	0.087137
634	13652	0.320476	-0.067020	0.123454	3.099505	-0.707806	0.222639	0.071578
635	13674	0.201010	-0.101505	0.119241	3.141025	-0.706630	0.227343	0.065785
636	13695	0.081770	-0.125905	0.113489	3.171305	-0.705276	0.232267	0.068517
637	13717	-0.035664	-0.140160	0.106241	3.190868	-0.703365	0.236881	0.077697
638	13738	-0.149582	-0.145076	0.097649	3.199722	-0.700277	0.240567	0.090768
639	13760	-0.258396	-0.142179	0.087961	3.196898	-0.695198	0.242729	0.105060
640	13781	-0.360887	-0.133472	0.077501	3.181000	-0.687184	0.242895	0.118121
641	13803	-0.456394	-0.121127	0.066642	3.150178	-0.675239	0.240802	0.127959
642	13824	-0.544904	-0.107181	0.055769	3.102451	-0.658406	0.236445	0.133168
643	13846	-0.627021	-0.093266	0.045244	3.036034	-0.635869	0.230091	0.132964
644	13867	-0.703819	-0.080408	0.035380	2.949983	-0.607063	0.222233	0.127145
645	13889	-0.776596	-0.068939	0.026414	2.842990	-0.571773	0.213517	0.116018
646	13910	-0.846594	-0.058509	0.018500	2.716616	-0.530224	0.204637	0.100327
647	13932	-0.914736	-0.048189	0.011705	2.572383	-0.483128	0.196210	0.081233
648	13954	-0.981437	-0.036659	0.006015	2.413222	-0.431691	0.188667	0.060291
649	13975	-1.046534	-0.022425	0.001355	2.242954	-0.377547	0.182169	0.039466
650	13997	-1.109347	-0.004052	-0.002397	2.065908	-0.322648	0.176558	0.021104
651	14018	-1.168847	0.019629	-0.005394	1.886444	-0.269069	0.171369	0.007838
652	14040	-1.223892	0.049362	-0.007796	1.708420	-0.218784	0.165891	0.002390
653	14061	-1.273478	0.085369	-0.009769	1.534706	-0.173430	0.159276	0.007261
654	14083	-1.316919	0.127314	-0.011473	1.366822	-0.134075	0.150678	0.024332
655	14104	-1.353948	0.174341	-0.013070	1.204763	-0.101055	0.139409	0.054455
656	14126	-1.384688	0.225160	-0.014719	1.047175	-0.073892	0.125073	0.097099
657	14147	-1.409514	0.278178	-0.016548	0.891489	-0.051329	0.107665	0.150162
658	14169	-1.428860	0.331653	-0.018654	0.734646	-0.031481	0.087615	0.210020
659	14190	-1.442998	0.383858	-0.021098	0.573649	-0.012098	0.065763	0.271864
660	14212	-1.451881	0.433243	-0.025299	0.406235	0.009098	0.043262	0.330300
661	14233	-1.455068	0.478564	-0.029812	0.231417	0.034040	0.021428	0.380154
662	14255	-1.451770	0.518980	-0.035352	0.049817	0.064009	0.001550	0.417335
663	14277	-1.440994	0.554099	-0.041963	-0.136288	0.099310	-0.015304	0.439605
664	14298	-1.421762	0.583963	-0.049596	-0.323204	0.139223	-0.028466	0.447098
665	14320	-1.393335	0.608983	-0.058089	-0.506324	0.182013	-0.037791	0.442447
666	14341	-1.355399	0.629813	-0.067165	-0.680789	0.225155	-0.043705	0.430453
667	14363	-1.308159	0.647196	-0.076427	-0.842005	0.265687	-0.047169	0.417334
668	14384	-1.252319	0.661781	-0.085392	-0.987276	0.300667	-0.049567	0.409636
669	14406	-1.188966	0.673960	-0.093520	-1.114246	0.327657	-0.052509	0.413011
670	14427	-1.119379	0.683729	-0.100269	-1.223081	0.345141	-0.057610	0.431075
671	14449	-1.044818	0.690616	-0.105144	-1.315356	0.352824	-0.066246	0.464570
672	14470	-0.966350	0.693670	-0.107762	-1.393885	0.351742	-0.079346	0.511016
673	14492	-0.884738	0.691537	-0.107893	-1.462170	0.344157	-0.097236	0.564929
674	14513	-0.800431	0.682600	-0.105498	-1.523769	0.333245	-0.119577	0.618612
675	14535	-0.713632	0.665174	-0.100742	-1.581693	0.322629	-0.145382	0.663366
676	14556	-0.624423	0.637726	-0.093986	-1.637949	0.315814	-0.173146	0.690938
677	14578	-0.532897	0.599084	-0.085757	-1.693271	0.315636	-0.201032	0.694912
678	14600	-0.439263	0.548614	-0.076694	-1.747087	0.323808	-0.227115	0.671813
679	14621	-0.343886	0.486325	-0.067489	-1.797701	0.340651	-0.249642	0.621683
680	14643	-0.247261	0.412893	-0.058814	-1.842634	0.365056	-0.267256	0.548056
681	14664	-0.149925	0.329600	-0.051255	-1.879060	0.394695	-0.279174	0.457303
682	14686	-0.052354	0.238192	-0.045257	-1.904257	0.426443	-0.285280	0.357504
683	14707	0.045119	0.140678	-0.041085	-1.915990	0.456938	-0.286125	0.257031
684	14729	0.142329	0.039100	-0.038806	-1.912803	0.483191	-0.282837	0.163152
685	14750	0.239225	-0.064686	-0.038295	-1.894165	0.503123	-0.276958	0.080873
686	14772	0.335735	-0.169198	-0.039262	-1.860487	0.515938	-0.270223	0.012266
687	14793	0.431592	-0.273443	-0.041288	-1.813029	0.522258	-0.264327	-0.043635
688	14815	0.526147	-0.376947	-0.043882	-1.753717	0.524003	-0.260697	-0.090356
689	14836	0.618251	-0.479688	-0.046527	-1.684921	0.524017	-0.260323	-0.133051
690	14858	0.706216	-0.581961	-0.048737	-1.609214	0.525529	-0.263636	-0.177302
691	14879	0.787913	-0.684164	-0.050093	-1.529149	0.531526	-0.270479	-0.227914
692	14901	0.860973	-0.786576	-0.050272	-1.447065	0.544175	-0.280153	-0.287910
693	14923	0.923073	-0.889135	-0.049068	-1.364935	0.564380	-0.291533	-0.357934
694	14944	0.972247	-0.991285	-0.046387	-1.284268	0.591565	-0.303238	-0.436125
695	14966	1.007144	-1.091888	-0.042249	-1.206060	0.623726	-0.313819	-0.518472
696	14987	1.027198	-1.189260	-0.036768	-1.130803	0.657719	-0.321955	-0.599531
697	15009	1.032648	-1.281299	-0.030136	-1.058547	0.689755	-0.326616	-0.673347
698	15030	1.024415	-1.365699	-0.022603	-0.989011	0.715979	-0.327174	-0.734388
699	15052	1.003862	-1.440230	-0.014455	-0.921727	0.733043	-0.323456	-0.778312
700	15073	0.972479	-1.503007	-0.005998	-0.856216	0.738564	-0.315730	-0.802438
701	15095	0.931581	-1.552729	0.002464	-0.792158	0.731392	-0.304630	-0.805895
702	15116	0.882053	-1.588822	0.010644	-0.729541	0.711645	-0.291029	-0.789444
703	15138	0.824232	-1.611480	0.018287	-0.668767	0.680528	-0.275886	-0.755100
704	15159	0.757912	-1.621562	0.025184	-0.610691	0.639991	-0.260092	-0.705653
705	15181	0.682495	-1.620394	0.031186	-0.556591	0.592300	-0.244325	-0.644233
706	15202	0.597238	-1.609487	0.036207	-0.508075	0.539624	-0.228952	-0.573994
707	15224	0.501544	-1.590233	0.040230	-0.466917	0.483719	-0.213975	-0.497992
708	15246	0.395239	-1.563632	0.043300	-0.434875	0.425759	-0.199042	-0.419205
709	15267	0.278788	-1.530092	0.045509	-0.413491	0.366349	-0.183509	-0.340652
710	15289	0.153399	-1.489358	0.046981	-0.403904	0.305679	-0.166548	-0.265496
711	15310	0.021013	-1.440560	0.047845	-0.406704	0.243776	-0.147288	-0.197049
712	15332	-0.115817	-1.382390	0.048213	-0.421838	0.180771	-0.124961	-0.138612
713	15353	-0.254129	-1.313368	0.048157	-0.448565	0.117109	-0.099035	-0.093120
714	15375	-0.390803	-1.232134	0.047696	-0.485475	0.053642	-0.069316	-0.062670
715	15396	-0.522817	-1.137768	0.046793	-0.530554	-0.008424	-0.035997	-0.048015
716	15418	-0.647483	-1.029999	0.045365	-0.581294	-0.067707	0.000338	-0.048153
717	15439	-0.762627	-0.909363	0.043309	-0.634836	-0.122921	0.038771	-0.060169
718	15461	-0.866701	-0.777222	0.040530	-0.688137	-0.173157	0.078152	-0.079385
719	15482	-0.958835	-0.635683	0.036982	-0.738155	-0.218107	0.117225	-0.099889
720	15504	-1.038810	-0.487418	0.032705	-0.782035	-0.258161	0.154769	-0.115362
721	15525	-1.106972	-0.335428	0.027845	-0.817279	-0.294349	0.189729	-0.120092
722	15547	-1.164088	-0.182782	0.022673	-0.841895	-0.328121	0.221315	-0.109984
723	15569	-1.211162	-0.032361	0.017572	-0.854485	-0.361024	0.249067	-0.083370
724	15590	-1.249220	0.113356	0.013009	-0.854279	-0.394322	0.272868	-0.041427
725	15612	-1.279098	0.252445	0.009487	-0.841093	-0.428673	0.292910	0.011918
726	15633	-1.301242	0.383633	0.007485	-0.815216	-0.463917	0.309625	0.070598
727	15655	-1.315580	0.506316	0.007391	-0.777242	-0.499050	0.323592	0.127483
728	15676	-1.321458	0.620520	0.009445	-0.727885	-0.532383	0.335429	0.175714
729	15698	-1.317695	0.726794	0.013689	-0.667788	-0.561874	0.345699	0.210070
730	15719	-1.302737	0.826069	0.019949	-0.597400	-0.585560	0.354839	0.228085
731	15741	-1.274907	0.919470	0.027840	-0.516923	-0.601997	0.363108	0.230697
732	15762	-1.232711	1.008114	0.036798	-0.426353	-0.610616	0.370588	0.222270
733	15784	-1.175147	1.092913	0.046140	-0.325614	-0.611915	0.377198	0.209948
734	15805	-1.101966	1.174401	0.055138	-0.214755	-0.607429	0.382745	0.202444
735	15827	-1.013822	1.252611	0.063105	-0.094158	-0.599497	0.386979	0.208464
736	15848	-0.912280	1.327033	0.069465	0.035287	-0.590838	0.389654	0.235052
737	15870	-0.799674	1.396658	0.073823	0.172098	-0.584052	0.390571	0.286177
738	15892	-0.678829	1.460116	0.075993	0.314241	-0.581121	0.389615	0.361820
739	15913	-0.552700	1.515892	0.076013	0.459298	-0.583025	0.386759	0.457773
740	15935	-0.423996	1.562589	0.074121	0.604750	-0.589544	0.382031	0.566180
741	15956	-0.294852	1.599188	0.070706	0.748320	-0.599304	0.375537	0.676765
742	15978	-0.166624	1.625268	0.066253	0.888304	-0.610032	0.367377	0.778510
743	15999	-0.039828	1.641123	0.061263	1.023828	-0.618998	0.357641	0.861502
744	16021	0.085765	1.647759	0.056197	1.154958	-0.623537	0.346384	0.918596
745	16042	0.210906	1.646759	0.051418	1.282629	-0.621551	0.333621	0.946613
746	16064	0.336578	1.640026	0.047164	1.408395	-0.611897	0.319347	0.946829
747	16085	0.463703	1.629455	0.043535	1.534034	-0.594578	0.303557	0.924695
748	16107	0.592905	1.616594	0.040513	1.661073	-0.570702	0.286284	0.888832
749	16128	0.724375	1.602351	0.037990	1.790329	-0.542246	0.267633	0.849492
750	16150	0.857861	1.586815	0.035814	1.921538	-0.511627	0.247800	0.816770
751	16171	0.992750	1.569226	0.033827	2.053159	-0.481225	0.227083	0.798896
752	16193	1.128214	1.548104	0.031909	2.182391	-0.452922	0.205866	0.800894
753	16215	1.263362	1.521513	0.029994	2.305397	-0.427761	0.184580	0.823846
754	16236	1.397341	1.487417	0.028084	2.417713	-0.405796	0.163659	0.864859
755	16258	1.529353	1.444057	0.026232	2.514760	-0.386145	0.143483	0.917711
756	16279	1.658588	1.390262	0.024521	2.592386	-0.367248	0.124319	0.974025
757	16301	1.784077	1.325774	0.023031	2.647347	-0.347264	0.106285	1.024747
758	16322	1.904529	1.251124	0.021805	2.677649	-0.324513	0.089330	1.061634
759	16344	2.018204	1.167758	0.020824	2.682715	-0.297888	0.073241	1.078508
760	16365	2.122864	1.077724	0.019991	2.663355	-0.267133	0.057674	1.072069
761	16387	2.215859	0.983386	0.019134	2.621562	-0.232933	0.042213	1.042164
762	16408	2.294323	0.887086	0.018024	2.560170	-0.196803	0.026430	0.991510
763	16430	2.355475	0.790831	0.016405	2.482446	-0.160784	0.009957	0.924991
764	16451	2.396950	0.696055	0.014037	2.391664	-0.127020	-0.007453	0.848676
765	16473	2.417100	0.603495	0.010735	2.290727	-0.097287	-0.025890	0.768780
766	16494	2.415183	0.513183	0.006407	2.181884	-0.072587	-0.045266	0.690753
767	16516	2.391411	0.424552	0.001080	2.066554	-0.052873	-0.065329	0.618644
768	16538	2.346825	0.336626	-0.005097	1.945292	-0.036988	-0.085699	0.554808
769	16559	2.283036	0.248255	-0.011856	1.817859	-0.022808	-0.105916	0.499967
770	16581	2.201872	0.158360	-0.018840	1.683407	-0.007600	-0.125502	0.453531
771	16602	2.105030	0.066149	-0.025644	1.540737	0.011488	-0.144018	0.414093
772	16624	1.993791	-0.028717	-0.031857	1.388600	0.036890	-0.161112	0.379943
773	16645	1.868881	-0.126021	-0.037114	1.226011	0.070128	-0.176546	0.349498
774	16667	1.730488	-0.224999	-0.041134	1.052532	0.111463	-0.190205	0.321566
775	16688	1.578452	-0.324331	-0.043750	0.868494	0.159756	-0.202086	0.295428
776	16710	1.412565	-0.422312	-0.044926	0.675118	0.212566	-0.212274	0.270746
777	16731	1.232911	-0.516983	-0.044754	0.474520	0.266487	-0.220920	0.247371
778	16753	1.040187	-0.606342	-0.043439	0.269592	0.317646	-0.228146	0.225139
779	16774	0.835895	-0.688549	-0.041269	0.063749	0.362307	-0.234136	0.203712
780	16796	0.622409	-0.762128	-0.038582	-0.139400	0.397461	-0.239001	0.182541
781	16817	0.402853	-0.826137	-0.035725	-0.336443	0.421302	-0.242832	0.160953
782	16839	0.180865	-0.880280	-0.033020	-0.524537	0.433524	-0.245694	0.138347
783	16860	-0.039738	-0.924932	-0.030735	-0.701705	0.435377	-0.247642	0.114433
784	16882	-0.255300	-0.961087	-0.029060	-0.867011	0.429469	-0.248736	0.089455
785	16904	-0.462622	-0.990211	-0.028098	-1.020561	0.419366	-0.249058	0.064309
786	16925	-0.659148	-1.014022	-0.027863	-1.163338	0.409040	-0.248713	0.040506
787	16947	-0.843031	-1.034230	-0.028282	-1.296881	0.402259	-0.247832	0.019974
788	16968	-1.013085	-1.052266	-0.029213	-1.422868	0.402014	-0.246557	0.004706
789	16990	-1.168853	-1.069064	-0.030460	-1.542676	0.410080	-0.245018	-0.003683
790	17011	-1.309438	-1.084908	-0.031789	-1.656990	0.426766	-0.243313	-0.004387
791	17033	-1.435346	-1.099399	-0.032949	-1.765551	0.450879	-0.241479	0.002252
792	17054	-1.546383	-1.111536	-0.033693	-1.867080	0.479928	-0.239485	0.014591
793	17076	-1.642617	-1.119900	-0.033795	-1.959402	0.510497	-0.237218	0.029771
794	17097	-1.724195	-1.122920	-0.033064	-2.039749	0.538746	-0.234496	0.044049
795	17119	-1.791398	-1.119161	-0.031365	-2.105193	0.560962	-0.231086	0.053331
796	17140	-1.844704	-1.107597	-0.028627	-2.153128	0.574071	-0.226732	0.053830
797	17162	-1.884812	-1.087807	-0.024852	-2.181713	0.576046	-0.221197	0.042723
798	17183	-1.912618	-1.060071	-0.020123	-2.190199	0.566164	-0.214287	0.018687
799	17205	-1.929141	-1.025349	-0.014599	-2.179087	0.545077	-0.205893	-0.017786
800	17227	-1.935409	-0.985140	-0.008513	-2.150091	0.514695	-0.196002	-0.064384
801	17248	-1.932344	-0.941276	-0.002154	-2.105907	0.477916	-0.184712	-0.117282
802	17270	-1.920669	-0.895653	0.004151	-2.049849	0.438228	-0.172219	-0.171725
803	17291	-1.900874	-0.849983	0.010065	-1.985412	0.399253	-0.158808	-0.222798
804	17313	-1.873256	-0.805588	0.015265	-1.915826	0.364281	-0.144819	-0.266247
805	17334	-1.838011	-0.763273	0.019473	-1.843696	0.335864	-0.130619	-0.299199
806	17356	-1.795379	-0.723294	0.022482	-1.770758	0.315507	-0.116570	-0.320666
807	17377	-1.745775	-0.685413	0.024174	-1.697794	0.303504	-0.102997	-0.331716
808	17399	-1.689887	-0.649034	0.024533	-1.624701	0.298925	-0.090168	-0.335300
809	17420	-1.628703	-0.613367	0.023646	-1.550691	0.299770	-0.078277	-0.335744
810	17442	-1.563445	-0.577619	0.021694	-1.474581	0.303248	-0.067436	-0.338000
811	17463	-1.495438	-0.541145	0.018936	-1.395103	0.306171	-0.057683	-0.346796
812	17485	-1.425920	-0.503569	0.015678	-1.311217	0.305388	-0.048981	-0.365828
813	17506	-1.355851	-0.464834	0.012252	-1.222335	0.298220	-0.041237	-0.397145
814	17528	-1.285773	-0.425200	0.008976	-1.128475	0.282831	-0.034315	-0.440825
815	17550	-1.215741	-0.385186	0.006134	-1.030295	0.258482	-0.028048	-0.494998
816	17571	-1.145357	-0.345466	0.003948	-0.929027	0.225637	-0.022260	-0.556203
817	17593	-1.073909	-0.306759	0.002564	-0.826340	0.185899	-0.016778	-0.619987
818	17614	-1.000561	-0.269705	0.002046	-0.724127	0.141789	-0.011444	-0.681653
819	17636	-0.924586	-0.234766	0.002380	-0.624283	0.096395	-0.006133	-0.736991
820	17657	-0.845554	-0.202152	0.003476	-0.528490	0.052938	-0.000758	-0.782872
821	17679	-0.763466	-0.171788	0.005189	-0.438031	0.014324	0.004717	-0.817609
822	17700	-0.678775	-0.143324	0.007337	-0.353677	-0.017252	0.010278	-0.841021
823	17722	-0.592318	-0.116183	0.009713	-0.275638	-0.040597	0.015855	-0.854239
824	17743	-0.505163	-0.089644	0.012112	-0.203592	-0.055664	0.021333	-0.859279
825	17765	-0.418413	-0.062945	0.014339	-0.136793	-0.063517	0.026557	-0.858527
826	17786	-0.333026	-0.035392	0.016228	-0.074216	-0.066143	0.031354	-0.854207
827	17808	-0.249683	-0.006459	0.017647	-0.014742	-0.066133	0.035549	-0.847967
828	17829	-0.168736	0.024131	0.018506	0.042659	-0.066280	0.038987	-0.840648
829	17851	-0.090252	0.056373	0.018758	0.098775	-0.069171	0.041558	-0.832252
830	17873	-0.014128	0.089978	0.018404	0.154044	-0.076823	0.043208	-0.822109
831	17894	0.059748	0.124425	0.017486	0.208510	-0.090418	0.043954	-0.809177
832	17916	0.131349	0.159037	0.016089	0.261849	-0.110172	0.043887	-0.792390
833	17937	0.200401	0.193083	0.014331	0.313448	-0.135355	0.043158	-0.770979
834	17959	0.266353	0.225892	0.012360	0.362530	-0.164441	0.041969	-0.744689
835	17980	0.328440	0.256933	0.010338	0.408286	-0.195364	0.040547	-0.713844
836	18002	0.385820	0.285884	0.008435	0.450010	-0.225831	0.039113	-0.679279
837	18023	0.437747	0.312651	0.006811	0.487187	-0.253649	0.037859	-0.642144
838	18045	0.483752	0.337345	0.005604	0.519551	-0.277014	0.036922	-0.603649
839	18066	0.523773	0.360231	0.004913	0.547084	-0.294725	0.036366	-0.564810
840	18088	0.558200	0.381644	0.004794	0.569986	-0.306306	0.036182	-0.526262
841	18109	0.587832	0.401908	0.005246	0.588606	-0.312022	0.036282	-0.488173
842	18131	0.613739	0.421256	0.006214	0.603381	-0.312798	0.036524	-0.450271
843	18152	0.637065	0.439777	0.007593	0.614774	-0.310061	0.036732	-0.411978
844	18174	0.658818	0.457392	0.009238	0.623238	-0.305535	0.036722	-0.372616
845	18196	0.679685	0.473864	0.010982	0.629205	-0.301005	0.036335	-0.331612
846	18217	0.699927	0.488826	0.012655	0.633093	-0.298098	0.035463	-0.288687
847	18239	0.719359	0.501837	0.014104	0.635324	-0.298087	0.034062	-0.243967
848	18260	0.737436	0.512439	0.015212	0.636330	-0.301750	0.032168	-0.197994
849	18282	0.753407	0.520212	0.015910	0.636553	-0.309296	0.029886	-0.151662
850	18303	0.766521	0.524814	0.016186	0.636409	-0.320348	0.027381	-0.106073
851	18325	0.776211	0.526017	0.016085	0.636247	-0.334006	0.024853	-0.062370
852	18346	0.782248	0.523711	0.015695	0.636285	-0.348965	0.022511	-0.021569
853	18368	0.784804	0.517907	0.015135	0.636558	-0.363668	0.020543	0.015562
854	18389	0.784427	0.508723	0.014534	0.636889	-0.376505	0.019089	0.048561
855	18411	0.781933	0.496360	0.014007	0.636887	-0.385991	0.018227	0.077270
856	18432	0.778252	0.481074	0.013636	0.635995	-0.390950	0.017959	0.101761
857	18454	0.774241	0.463144	0.013457	0.633564	-0.390639	0.018221	0.122236
858	18475	0.770539	0.442841	0.013452	0.628951	-0.384829	0.018889	0.138914
859	18497	0.767458	0.420392	0.013550	0.621630	-0.373811	0.019802	0.151939
860	18519	0.764968	0.395956	0.013639	0.611270	-0.358344	0.020786	0.161328
861	18540	0.762736	0.369607	0.013585	0.597795	-0.339543	0.021681	0.166967
862	18562	0.760239	0.341334	0.013256	0.581393	-0.318716	0.022358	0.168663
863	18583	0.756894	0.311055	0.012541	0.562477	-0.297204	0.022734	0.166221
864	18605	0.752186	0.278654	0.011379	0.541620	-0.276201	0.022774	0.159545
865	18626	0.745763	0.244027	0.009768	0.519464	-0.256624	0.022489	0.148724
866	18648	0.737473	0.207141	0.007773	0.496629	-0.239018	0.021918	0.134094
867	18669	0.727346	0.168079	0.005523	0.473644	-0.223522	0.021114	0.116245
868	18691	0.715522	0.127084	0.003196	0.450899	-0.209889	0.020121	0.095990
869	18712	0.702158	0.084562	0.000998	0.428639	-0.197564	0.018965	0.074274
870	18734	0.687333	0.041065	-0.000864	0.406976	-0.185792	0.017641	0.052063
871	18755	0.670977	-0.002762	-0.002208	0.385931	-0.173752	0.016113	0.030214
872	18777	0.652847	-0.046246	-0.002905	0.365480	-0.160682	0.014331	0.009356
873	18798	0.632559	-0.088772	-0.002893	0.345592	-0.146000	0.012239	-0.010188
874	18820	0.609651	-0.129853	-0.002189	0.326259	-0.129378	0.009798	-0.028430
875	18842	0.583688	-0.169175	-0.000884	0.307510	-0.110791	0.007006	-0.045691
876	18863	0.554365	-0.206617	0.000866	0.289405	-0.090519	0.003912	-0.062503
877	18885	0.521580	-0.242221	0.002859	0.272031	-0.069103	0.000616	-0.079486
878	18906	0.485486	-0.276137	0.004879	0.255491	-0.047275	-0.002734	-0.097184
879	18928	0.446481	-0.308546	0.006714	0.239897	-0.025863	-0.005960	-0.115919
880	18949	0.405156	-0.339571	0.008185	0.225374	-0.005677	-0.008882	-0.135681
881	18971	0.362214	-0.369209	0.009168	0.212063	0.012599	-0.011347	-0.156065
882	18992	0.318363	-0.397283	0.009599	0.200129	0.028504	-0.013260	-0.176296
883	19014	0.274231	-0.423439	0.009479	0.189759	0.041872	-0.014602	-0.195317
884	19035	0.230288	-0.447169	0.008868	0.181150	0.052866	-0.015445	-0.211943
885	19057	0.186816	-0.467869	0.007873	0.174483	0.061972	-0.015946	-0.225053
886	19078	0.143909	-0.484918	0.006624	0.169884	0.069947	-0.016331	-0.233783
887	19100	0.101506	-0.497748	0.005264	0.167389	0.077728	-0.016864	-0.237684
888	19121	0.059453	-0.505911	0.003920	0.166902	0.086309	-0.017812	-0.236827
889	19143	0.017561	-0.509120	0.002698	0.168175	0.096606	-0.019407	-0.231818
890	19165	-0.024331	-0.507266	0.001672	0.170808	0.109330	-0.021807	-0.223728
891	19186	-0.066313	-0.500410	0.000877	0.174269	0.124880	-0.025079	-0.213954
892	19208	-0.108385	-0.488765	0.000310	0.177941	0.143283	-0.029183	-0.204015
893	19229	-0.150443	-0.472659	-0.000021	0.181174	0.164188	-0.033980	-0.195349
894	19251	-0.192290	-0.452509	-0.000180	0.183351	0.186916	-0.039247	-0.189113
895	19272	-0.233650	-0.428798	-0.000200	0.183938	0.210551	-0.044706	-0.186046
896	19294	-0.274183	-0.402054	-0.000125	0.182519	0.234079	-0.050061	-0.186397
897	19315	-0.313502	-0.372836	0.000007	0.178817	0.256515	-0.055030	-0.189939
898	19337	-0.351184	-0.341724	0.000165	0.172679	0.277031	-0.059372	-0.196046
899	19358	-0.386782	-0.309295	0.000319	0.164055	0.295035	-0.062912	-0.203833
900	19380	-0.419842	-0.276100	0.000436	0.152962	0.310209	-0.065552	-0.212308
901	19401	-0.449920	-0.242634	0.000481	0.139445	0.322479	-0.067264	-0.220528
902	19423	-0.476608	-0.209302	0.000408	0.123536	0.331951	-0.068088	-0.227714
903	19444	-0.499556	-0.176396	0.000163	0.105233	0.338806	-0.068111	-0.233325
904	19466	-0.518495	-0.144086	-0.000314	0.084484	0.343195	-0.067454	-0.237073
905	19488	-0.533249	-0.112421	-0.001084	0.061179	0.345149	-0.066249	-0.238886
906	19509	-0.543735	-0.081368	-0.002195	0.035162	0.344537	-0.064628	-0.238837
907	19531	-0.549949	-0.050847	-0.003676	0.006246	0.341057	-0.062713	-0.237058
908	19552	-0.551934	-0.020789	-0.005526	-0.025763	0.334304	-0.060610	-0.233654
909	19574	-0.549746	0.008815	-0.007707	-0.061029	0.323853	-0.058405	-0.228631
910	19595	-0.543423	0.037872	-0.010140	-0.099649	0.309384	-0.056167	-0.221871
911	19617	-0.532965	0.066176	-0.012712	-0.141602	0.290791	-0.053948	-0.213127
912	19638	-0.518328	0.093405	-0.015281	-0.186698	0.268264	-0.051784	-0.202058
913	19660	-0.499448	0.119155	-0.017691	-0.234532	0.242330	-0.049692	-0.188298
914	19681	-0.476284	0.142978	-0.019786	-0.284452	0.213829	-0.047670	-0.171529
915	19703	-0.448874	0.164432	-0.021434	-0.335542	0.183836	-0.045697	-0.151565
916	19724	-0.417391	0.183122	-0.022534	-0.386646	0.153549	-0.043729	-0.128424
917	19746	-0.382192	0.198736	-0.023036	-0.436417	0.124144	-0.041704	-0.102379
918	19767	-0.343843	0.211056	-0.022941	-0.483403	0.096640	-0.039549	-0.073976
919	19789	-0.303111	0.219966	-0.022305	-0.526159	0.071789	-0.037190	-0.044022
920	19811	-0.260925	0.225440	-0.021231	-0.563384	0.050006	-0.034563	-0.013528
921	19832	-0.218307	0.227537	-0.019852	-0.593942	0.031361	-0.031631	0.016369
922	19854	-0.176268	0.226384	-0.018322	-0.617143	0.015613	-0.028390	0.044520
923	19875	-0.135820	0.222182	-0.016789	-0.632594	0.002294	-0.024885	0.069876
924	19897	-0.097699	0.215201	-0.015382	-0.640302	-0.009181	-0.021205	0.091606
925	19918	-0.062511	0.205789	-0.014196	-0.640603	-0.019408	-0.017481	0.109178
926	19940	-0.030614	0.194372	-0.013282	-0.634080	-0.028889	-0.013869	0.122411
927	19961	-0.002149	0.181443	-0.012642	-0.621461	-0.037960	-0.010538	0.131478
928	19983	0.022919	0.167541	-0.012233	-0.603511	-0.046761	-0.007643	0.136853
929	20004	0.044742	0.153214	-0.011976	-0.580949	-0.055237	-0.005306	0.139221
930	20026	0.063527	0.138975	-0.011766	-0.554394	-0.063178	-0.003598	0.139356
931	20047	0.079479	0.125253	-0.011490	-0.524347	-0.070281	-0.002527	0.137992
932	20069	0.092765	0.112355	-0.011037	-0.491214	-0.076223	-0.002040	0.135710
933	20090	0.103493	0.100446	-0.010317	-0.455351	-0.080729	-0.002028	0.132865
934	20112	0.111725	0.089549	-0.009269	-0.417114	-0.083632	-0.002345	0.129557
935	20134	0.117495	0.079568	-0.007864	-0.376907	-0.084907	-0.002826	0.125663
936	20155	0.120851	0.070333	-0.006112	-0.335209	-0.084676	-0.003315	0.120907
937	20177	0.121885	0.061649	-0.004059	-0.292571	-0.083203	-0.003686	0.114970
938	20198	0.120760	0.053348	-0.001778	-0.249588	-0.080849	-0.003859	0.107596
939	20220	0.117722	0.045328	0.000637	-0.206854	-0.078029	-0.003807	0.098689
940	20241	0.113095	0.037565	0.003078	-0.164905	-0.075154	-0.003560	0.088368
941	20263	0.107256	0.030116	0.005436	-0.124173	-0.072581	-0.003190	0.076978
942	20284	0.100608	0.023087	0.007607	-0.084956	-0.070569	-0.002792	0.065049
943	20306	0.093537	0.016606	0.009499	-0.047408	-0.069248	-0.002472	0.053223
944	20327	0.086382	0.010778	0.011041	-0.011564	-0.068616	-0.002315	0.042152
945	20349	0.079406	0.005663	0.012180	0.022630	-0.068544	-0.002378	0.032409
946	20370	0.072784	0.001262	0.012890	0.055259	-0.068804	-0.002674	0.024405
947	20392	0.066605	-0.002483	0.013164	0.086396	-0.069103	-0.003169	0.018353
948	20413	0.060883	-0.005665	0.013022	0.116064	-0.069135	-0.003796	0.014256
949	20435	0.055580	-0.008389	0.012501	0.144211	-0.068618	-0.004459	0.011943
950	20457	0.050632	-0.010744	0.011657	0.170706	-0.067340	-0.005055	0.011119
951	20478	0.045971	-0.012779	0.010558	0.195354	-0.065181	-0.005493	0.011422
952	20500	0.041545	-0.014504	0.009283	0.217918	-0.062126	-0.005706	0.012488
953	20521	0.037330	-0.015891	0.007913	0.238143	-0.058266	-0.005665	0.013983
954	20543	0.033329	-0.016898	0.006531	0.255788	-0.053777	-0.005380	0.015634
955	20564	0.029567	-0.017485	0.005212	0.270644	-0.048896	-0.004899	0.017228
956	20586	0.026082	-0.017639	0.004021	0.282544	-0.043885	-0.004294	0.018608
957	20607	0.022910	-0.017383	0.003010	0.291373	-0.038999	-0.003657	0.019666
958	20629	0.020077	-0.016779	0.002211	0.297071	-0.034459	-0.003073	0.020333
959	20650	0.017589	-0.015912	0.001637	0.299629	-0.030426	-0.002617	0.020582
960	20672	0.015430	-0.014871	0.001285	0.299094	-0.026991	-0.002338	0.020430
961	20693	0.013567	-0.013732	0.001131	0.295565	-0.024174	-0.002256	0.019944
962	20715	0.011951	-0.012538	0.001140	0.289200	-0.021932	-0.002360	0.019245
963	20736	0.010535	-0.011296	0.001266	0.280209	-0.020167	-0.002616	0.018492
964	20758	0.009271	-0.009981	0.001459	0.268854	-0.018750	-0.002972	0.017864
965	20780	0.008128	-0.008551	0.001670	0.255436	-0.017537	-0.003368	0.017527
966	20801	0.007084	-0.006972	0.001855	0.240289	-0.016385	-0.003751	0.017602
967	20823	0.006135	-0.005229	0.001981	0.223762	-0.015172	-0.004075	0.018134
968	20844	0.005284	-0.003347	0.002023	0.206207	-0.013805	-0.004312	0.019083
969	20866	0.004541	-0.001386	0.001971	0.187970	-0.012231	-0.004454	0.020323
970	20887	0.003913	0.000567	0.001826	0.169385	-0.010442	-0.004508	0.021673
971	20909	0.003400	0.002413	0.001598	0.150769	-0.008469	-0.004493	0.022934
972	20930	0.002998	0.004069	0.001305	0.132427	-0.006380	-0.004437	0.023934
973	20952	0.002690	0.005480	0.000969	0.114648	-0.004271	-0.004371	0.024567
974	20973	0.002456	0.006634	0.000614	0.097702	-0.002249	-0.004321	0.024815
975	20995	0.002272	0.007559	0.000262	0.081836	-0.000422	-0.004305	0.024746
976	21016	0.002117	0.008309	-0.000070	0.067260	0.001121	-0.004333	0.024494
977	21038	0.001975	0.008950	-0.000365	0.054130	0.002321	-0.004405	0.024216
978	21059	0.001835	0.009537	-0.000617	0.042537	0.003155	-0.004511	0.024054
979	21081	0.001694	0.010099	-0.000819	0.032497	0.003641	-0.004638	0.024092
980	21103	0.001553	0.010634	-0.000973	0.023947	0.003834	-0.004765	0.024337
981	21124	0.001416	0.011109	-0.001081	0.016757	0.003812	-0.004877	0.024720
982	21146	0.001285	0.011481	-0.001149	0.010748	0.003666	-0.004958	0.025116
983	21167	0.001160	0.011706	-0.001183	0.005712	0.003484	-0.004998	0.025384
984	21189	0.001040	0.011763	-0.001191	0.001446	0.003334	-0.004993	0.025405
985	21210	0.000918	0.011661	-0.001179	-0.002231	0.003259	-0.004944	0.025118
986	21232	0.000787	0.011443	-0.001154	-0.005458	0.003270	-0.004859	0.024534
987	21253	0.000641	0.011174	-0.001122	-0.008327	0.003352	-0.004749	0.023735
988	21275	0.000475	0.010924	-0.001087	-0.010891	0.003470	-0.004625	0.022847
989	21296	0.000289	0.010753	-0.001053	-0.013171	0.003582	-0.004500	0.022009
990	21318	0.000085	0.010688	-0.001022	-0.015179	0.003649	-0.004384	0.021335
991	21339	-0.000132	0.010721	-0.000995	-0.016929	0.003643	-0.004284	0.020886
992	21361	-0.000354	0.010810	-0.000972	-0.018449	0.003557	-0.004204	0.020659
993	21382	-0.000577	0.010890	-0.000951	-0.019780	0.003398	-0.004144	0.020600
994	21404	-0.000792	0.010895	-0.000930	-0.020975	0.003188	-0.004102	0.020619
995	21426	-0.000998	0.010777	-0.000908	-0.022089	0.002956	-0.004072	0.020628
996	21447	-0.001190	0.010522	-0.000882	-0.023164	0.002725	-0.004051	0.020567
997	21469	-0.001368	0.010151	-0.000851	-0.024225	0.002514	-0.004034	0.020421
998	21490	-0.001530	0.009721	-0.000814	-0.025275	0.002331	-0.004018	0.020222
999	21512	-0.001674	0.009302	-0.000772	-0.026297	0.002172	-0.004003	0.020030
1000	21533	-0.001796	0.008961	-0.000727	-0.027267	0.002028	-0.003990	0.019911
1001	21555	-0.001893	0.008740	-0.000682	-0.028157	0.001889	-0.003982	0.019908
1002	21576	-0.001962	0.008644	-0.000639	-0.028954	0.001748	-0.003980	0.020018
1003	21598	-0.002002	0.008639	-0.000603	-0.029656	0.001605	-0.003987	0.020190
1004	21619	-0.002012	0.008663	-0.000577	-0.030277	0.001467	-0.004002	0.020336
1005	21641	-0.001996	0.008642	-0.000563	-0.030839	0.001347	-0.004025	0.020355
1006	21662	-0.001958	0.008516	-0.000562	-0.031361	0.001255	-0.004052	0.020167
1007	21684	-0.001905	0.008252	-0.000574	-0.031851	0.001198	-0.004080	0.019737
1008	21705	-0.001842	0.007863	-0.000596	-0.032299	0.001177	-0.004103	0.019097
1009	21727	-0.001776	0.007396	-0.000626	-0.032679	0.001182	-0.004119	0.018334
1010	21749	-0.001709	0.006925	-0.000661	-0.032957	0.001198	-0.004126	0.017569
1011	21770	-0.001646	0.006529	-0.000697	-0.033098	0.001206	-0.004123	0.016921
1012	21792	-0.001584	0.006261	-0.000731	-0.033084	0.001191	-0.004114	0.016471
1013	21813	-0.001523	0.006141	-0.000762	-0.032921	0.001147	-0.004104	0.016230
1014	21835	-0.001462	0.006138	-0.000786	-0.032647	0.001076	-0.004098	0.016129
1015	21856	-0.001400	0.006182	-0.000805	-0.032321	0.000992	-0.004102	0.016035
1016	21878	-0.001336	0.006184	-0.000817	-0.032019	0.000915	-0.004120	0.015784
1017	21899	-0.001272	0.006055	-0.000825	-0.031809	0.000864	-0.004155	0.015231
1018	21921	-0.001209	0.005739	-0.000830	-0.031740	0.000855	-0.004206	0.014291
1019	21942	-0.001152	0.005229	-0.000832	-0.031826	0.000893	-0.004269	0.012980
1020	21964	-0.001101	0.004575	-0.000833	-0.032042	0.000971	-0.004337	0.011417
1021	21985	-0.001060	0.003872	-0.000833	-0.032332	0.001071	-0.004401	0.009808
1022	22007	-0.001029	0.003244	-0.000833	-0.032619	0.001169	-0.004455	0.008406
1023	22028	-0.001011	0.002810	-0.000832	-0.032828	0.001240	-0.004491	0.007450

Subject 15 left FFT

		Subject 15 0,0	Subject 15 36,0	Subject 15 72,0	Subject 15 36,16	Subject 15 36,48	Subject 15 36,80	Subject 15 36,112
0	0	-0.187148	-0.320342	-0.430073	-0.200325	-0.221566	-0.289737	-0.602749
1	22	-0.191816	-0.315642	-0.426607	-0.215878	-0.234170	-0.290850	-0.573810
2	43	-0.205273	-0.301789	-0.415654	-0.258622	-0.268043	-0.293123	-0.491267
3	65	-0.225846	-0.279421	-0.395684	-0.317558	-0.312230	-0.293567	-0.367141
4	86	-0.250638	-0.249294	-0.364544	-0.376715	-0.351167	-0.287875	-0.218978
5	108	-0.275478	-0.211941	-0.319989	-0.418193	-0.368100	-0.271289	-0.066634
6	129	-0.295007	-0.167381	-0.260273	-0.425549	-0.348769	-0.239580	0.071272
7	151	-0.303015	-0.115011	-0.184708	-0.386871	-0.284564	-0.189945	0.180543
8	172	-0.293052	-0.053748	-0.094075	-0.296972	-0.174490	-0.121669	0.253618
9	194	-0.259295	0.017560	0.009184	-0.158309	-0.025527	-0.036409	0.290387
10	215	-0.197538	0.099544	0.121046	0.019477	0.148636	0.061925	0.297512
11	237	-0.106135	0.191672	0.236237	0.221260	0.330204	0.167684	0.286435
12	258	0.013325	0.291742	0.348785	0.428976	0.500613	0.274272	0.270528
13	280	0.155780	0.395669	0.452690	0.624495	0.643885	0.375091	0.262005
14	301	0.313019	0.497682	0.542630	0.792279	0.749302	0.464448	0.269230
15	323	0.474556	0.590936	0.614557	0.921359	0.812895	0.538291	0.294976
16	345	0.628968	0.668479	0.666133	1.006357	0.837495	0.594635	0.335945
17	366	0.765446	0.724370	0.696904	1.047478	0.831462	0.633649	0.383628
18	388	0.875330	0.754747	0.708212	1.049621	0.806439	0.657385	0.426258
19	409	0.953300	0.758575	0.702861	1.020899	0.774694	0.669247	0.451438
20	431	0.998048	0.737908	0.684600	0.970937	0.746639	0.673284	0.448865
21	452	1.012267	0.697568	0.657507	0.909319	0.729043	0.673465	0.412580
22	474	1.001979	0.644270	0.625382	0.844425	0.724219	0.673044	0.342303
23	495	0.975344	0.585349	0.591240	0.782804	0.730269	0.674118	0.243582
24	517	0.941163	0.527343	0.556987	0.729062	0.742178	0.677437	0.126761
25	538	0.907364	0.474721	0.523306	0.686115	0.753423	0.682462	0.004983
26	560	0.879766	0.429036	0.489775	0.655622	0.757638	0.687635	-0.108344
27	581	0.861301	0.388684	0.455167	0.638373	0.749975	0.690796	-0.202108
28	603	0.851843	0.349357	0.417869	0.634507	0.727888	0.689648	-0.269585
29	624	0.848599	0.305100	0.376352	0.643475	0.691248	0.682191	-0.309649
30	646	0.846981	0.249768	0.329583	0.663818	0.641910	0.667057	-0.326881
31	668	0.841720	0.178606	0.277330	0.692856	0.582931	0.643691	-0.330565
32	689	0.828016	0.089597	0.220285	0.726477	0.517739	0.612383	-0.332776
33	711	0.802484	-0.015687	0.160012	0.759147	0.449487	0.574153	-0.345916
34	732	0.763730	-0.131937	0.098722	0.784247	0.380748	0.530530	-0.380159
35	754	0.712491	-0.250712	0.038918	0.794746	0.313559	0.483285	-0.441282
36	775	0.651336	-0.361694	-0.017012	0.784113	0.249707	0.434151	-0.529268
37	797	0.584036	-0.454390	-0.067193	0.747315	0.191070	0.384587	-0.637942
38	818	0.514756	-0.519933	-0.110571	0.681701	0.139798	0.335616	-0.755711
39	840	0.447249	-0.552677	-0.147086	0.587597	0.098211	0.287744	-0.867305
40	861	0.384206	-0.551273	-0.177685	0.468462	0.068362	0.240973	-0.956224
41	883	0.326882	-0.519024	-0.204154	0.330564	0.051364	0.194883	-1.007503
42	904	0.275047	-0.463462	-0.228827	0.182216	0.046683	0.148772	-1.010336
43	926	0.227241	-0.395217	-0.254200	0.032693	0.051630	0.101820	-0.960127
44	947	0.181252	-0.326381	-0.282519	-0.108978	0.061281	0.053252	-0.859619
45	969	0.134718	-0.268655	-0.315408	-0.235171	0.068944	0.002484	-0.718890
46	991	0.085694	-0.231587	-0.353596	-0.340553	0.067158	-0.050775	-0.554197
47	1012	0.033107	-0.221197	-0.396783	-0.422599	0.049049	-0.106469	-0.385793
48	1034	-0.023021	-0.239194	-0.443651	-0.481660	0.009759	-0.164204	-0.235042
49	1055	-0.081588	-0.282883	-0.492034	-0.520608	-0.052399	-0.223298	-0.121247
50	1077	-0.140654	-0.345749	-0.539200	-0.544137	-0.135355	-0.282883	-0.058665
51	1098	-0.197873	-0.418586	-0.582211	-0.557840	-0.233456	-0.342025	-0.054176
52	1120	-0.250997	-0.490963	-0.618302	-0.567236	-0.338423	-0.399852	-0.105972
53	1141	-0.298367	-0.552783	-0.645223	-0.576881	-0.440899	-0.455670	-0.203496
54	1163	-0.339307	-0.595699	-0.661509	-0.589689	-0.532281	-0.509037	-0.328662
55	1184	-0.374328	-0.614175	-0.666629	-0.606571	-0.606418	-0.559801	-0.458228
56	1206	-0.405124	-0.606086	-0.661021	-0.626409	-0.660785	-0.608077	-0.566967
57	1227	-0.434351	-0.572797	-0.645992	-0.646380	-0.696854	-0.654177	-0.631207
58	1249	-0.465225	-0.518762	-0.623531	-0.662557	-0.719575	-0.698494	-0.632223
59	1270	-0.501016	-0.450741	-0.596048	-0.670718	-0.736059	-0.741381	-0.558978
60	1292	-0.544505	-0.376790	-0.566085	-0.667215	-0.753791	-0.783011	-0.409836
61	1314	-0.597496	-0.305159	-0.536040	-0.649800	-0.778774	-0.823287	-0.192988
62	1335	-0.660475	-0.243272	-0.507937	-0.618253	-0.814056	-0.861780	0.074458
63	1357	-0.732443	-0.196892	-0.483266	-0.574717	-0.858983	-0.897734	0.368574
64	1378	-0.810974	-0.169559	-0.462902	-0.523664	-0.909371	-0.930139	0.661595
65	1400	-0.892483	-0.162341	-0.447111	-0.471487	-0.958548	-0.957843	0.925353
66	1421	-0.972667	-0.173880	-0.435620	-0.425739	-0.999020	-0.979719	1.134694
67	1443	-1.047052	-0.200721	-0.427744	-0.394159	-1.024369	-0.994827	1.270419
68	1464	-1.111582	-0.237827	-0.422538	-0.383599	-1.030907	-1.002577	1.321393
69	1486	-1.163146	-0.279235	-0.418953	-0.399051	-1.018695	-1.002832	1.285596
70	1507	-1.199983	-0.318752	-0.415965	-0.442923	-0.991653	-0.995971	1.170051
71	1529	-1.221890	-0.350629	-0.412688	-0.514692	-0.956740	-0.982857	0.989706
72	1550	-1.230224	-0.370141	-0.408423	-0.611006	-0.922367	-0.964751	0.765493
73	1572	-1.227670	-0.374012	-0.402677	-0.726185	-0.896413	-0.943154	0.521846
74	1593	-1.217835	-0.360676	-0.395140	-0.853062	-0.884325	-0.919611	0.284023
75	1615	-1.204718	-0.330336	-0.385634	-0.983975	-0.887737	-0.895509	0.075515
76	1637	-1.192129	-0.284837	-0.374047	-1.111738	-0.903950	-0.871889	-0.084166
77	1658	-1.183169	-0.227381	-0.360272	-1.230415	-0.926418	-0.849313	-0.181157
78	1680	-1.179820	-0.162112	-0.344153	-1.335766	-0.946132	-0.827797	-0.208261
79	1701	-1.182731	-0.093640	-0.325460	-1.425314	-0.953605	-0.806839	-0.165282
80	1723	-1.191202	-0.026546	-0.303888	-1.498072	-0.941018	-0.785519	-0.058713
81	1744	-1.203382	0.035075	-0.279082	-1.554026	-0.904032	-0.762679	0.099134
82	1766	-1.216618	0.087967	-0.250691	-1.593542	-0.842861	-0.737145	0.291463
83	1787	-1.227888	0.129955	-0.218435	-1.616855	-0.762365	-0.707956	0.498648
84	1809	-1.234250	0.160044	-0.182175	-1.623780	-0.671141	-0.674566	0.700090
85	1830	-1.233212	0.178378	-0.141983	-1.613720	-0.579808	-0.636975	0.876101
86	1852	-1.222979	0.186086	-0.098188	-1.585938	-0.498876	-0.595775	1.009708
87	1873	-1.202542	0.185049	-0.051407	-1.540035	-0.436660	-0.552082	1.088191
88	1895	-1.171624	0.177614	-0.002528	-1.476458	-0.397698	-0.507370	1.104237
89	1916	-1.130524	0.166317	0.047324	-1.396896	-0.381997	-0.463232	1.056589
90	1938	-1.079907	0.153624	0.096869	-1.304425	-0.385249	-0.421100	0.950115
91	1960	-1.020631	0.141732	0.144767	-1.203321	-0.399954	-0.381970	0.795264
92	1981	-0.953632	0.132434	0.189743	-1.098565	-0.417142	-0.346202	0.606962
93	2003	-0.879911	0.127045	0.230701	-0.995130	-0.428334	-0.313407	0.403042
94	2024	-0.800602	0.126391	0.266843	-0.897204	-0.427267	-0.282476	0.202382
95	2046	-0.717090	0.130829	0.297750	-0.807545	-0.411025	-0.251732	0.022951
96	2067	-0.631101	0.140310	0.323432	-0.727118	-0.380361	-0.219192	-0.120002
97	2089	-0.544727	0.154442	0.344330	-0.655108	-0.339153	-0.182905	-0.215417
98	2110	-0.460314	0.172573	0.361272	-0.589328	-0.293190	-0.141288	-0.257390
99	2132	-0.380239	0.193867	0.375372	-0.526919	-0.248576	-0.093418	-0.245518
100	2153	-0.306574	0.217383	0.387897	-0.465178	-0.210162	-0.039216	-0.184633
101	2175	-0.240731	0.242153	0.400111	-0.402308	-0.180362	0.020520	-0.083970
102	2196	-0.183173	0.267253	0.413104	-0.337902	-0.158627	0.084224	0.044093
103	2218	-0.133268	0.291859	0.427642	-0.273021	-0.141687	0.149820	0.185538
104	2239	-0.089362	0.315298	0.444056	-0.209829	-0.124462	0.215055	0.326266
105	2261	-0.049076	0.337062	0.462177	-0.150855	-0.101425	0.277878	0.453508
106	2283	-0.009772	0.356804	0.481340	-0.098059	-0.068067	0.336767	0.556947
107	2304	0.030880	0.374301	0.500458	-0.051903	-0.022106	0.390962	0.629449
108	2326	0.074397	0.389401	0.518153	-0.010686	0.035846	0.440550	0.667354
109	2347	0.121143	0.401955	0.532936	0.029682	0.102326	0.486400	0.670370
110	2369	0.170263	0.411770	0.543413	0.075368	0.171757	0.529948	0.641114
111	2390	0.219926	0.418570	0.548488	0.133786	0.237706	0.572888	0.584421
112	2412	0.267840	0.422011	0.547530	0.212380	0.294382	0.616820	0.506541
113	2433	0.311928	0.421733	0.540486	0.317244	0.338007	0.662929	0.414317
114	2455	0.351002	0.417445	0.527922	0.451846	0.367770	0.711746	0.314467
115	2476	0.385274	0.409037	0.510975	0.616107	0.386114	0.763044	0.213015
116	2498	0.416538	0.396688	0.491225	0.806019	0.398317	0.815873	0.114925
117	2519	0.447971	0.380940	0.470506	1.013894	0.411433	0.868724	0.023920
118	2541	0.483546	0.362711	0.450669	1.229199	0.432847	0.919789	-0.057517
119	2562	0.527179	0.343238	0.433341	1.439842	0.468737	0.967258	-0.128018
120	2584	0.581787	0.323948	0.419703	1.633683	0.522802	1.009596	-0.187129
121	2606	0.648466	0.306261	0.410332	1.800017	0.595494	1.045747	-0.235091
122	2627	0.726011	0.291369	0.405109	1.930800	0.683926	1.075238	-0.272652
123	2649	0.810892	0.280018	0.403229	2.021441	0.782454	1.098160	-0.300926
124	2670	0.897742	0.272345	0.403300	2.071064	0.883784	1.115044	-0.321338
125	2692	0.980264	0.267801	0.403519	2.082260	0.980357	1.126669	-0.335622
126	2713	1.052404	0.265177	0.401902	2.060420	1.065714	1.133831	-0.345853
127	2735	1.109520	0.262746	0.396547	2.012787	1.135551	1.137136	-0.354481
128	2756	1.149322	0.258489	0.385875	1.947412	1.188257	1.136848	-0.364304
129	2778	1.172359	0.250378	0.368835	1.872168	1.224864	1.132824	-0.378360
130	2799	1.181939	0.236672	0.345038	1.793947	1.248450	1.124543	-0.399698
131	2821	1.183499	0.216167	0.314809	1.718123	1.263170	1.111222	-0.431048
132	2842	1.183531	0.188367	0.279145	1.648293	1.273153	1.091990	-0.474398
133	2864	1.188297	0.153546	0.239596	1.586278	1.281524	1.066099	-0.530557
134	2885	1.202592	0.112708	0.198083	1.532331	1.289773	1.033114	-0.598764
135	2907	1.228809	0.067435	0.156676	1.485495	1.297587	0.993072	-0.676444
136	2929	1.266489	0.019686	0.117368	1.444031	1.303152	0.946561	-0.759175
137	2950	1.312459	-0.028449	0.081859	1.405867	1.303836	0.894723	-0.840932
138	2972	1.361490	-0.074968	0.051394	1.369026	1.297054	0.839170	-0.914607
139	2993	1.407365	-0.118138	0.026653	1.331982	1.281104	0.781828	-0.972790
140	3015	1.444102	-0.156611	0.007708	1.293918	1.255756	0.724729	-1.008711
141	3036	1.467109	-0.189476	-0.005952	1.254872	1.222466	0.669775	-1.017235
142	3058	1.474027	-0.216247	-0.015339	1.215726	1.184157	0.618512	-0.995759
143	3079	1.465122	-0.236824	-0.021841	1.178065	1.144631	0.571939	-0.944874
144	3101	1.443155	-0.251431	-0.027070	1.143901	1.107748	0.530382	-0.868651
145	3122	1.412792	-0.260568	-0.032697	1.115305	1.076579	0.493454	-0.774499
146	3144	1.379676	-0.264969	-0.040302	1.093997	1.052710	0.460100	-0.672558
147	3165	1.349360	-0.265582	-0.051236	1.080987	1.035883	0.428748	-0.574687
148	3187	1.326302	-0.263548	-0.066513	1.076307	1.024026	0.397523	-0.493150
149	3208	1.313094	-0.260169	-0.086738	1.078930	1.013677	0.364516	-0.439168
150	3230	1.310061	-0.256848	-0.112074	1.086874	1.000700	0.328073	-0.421520
151	3252	1.315258	-0.254989	-0.142240	1.097499	0.981118	0.287043	-0.445375
152	3273	1.324843	-0.255861	-0.176545	1.107934	0.951892	0.240967	-0.511507
153	3295	1.333736	-0.260432	-0.213954	1.115555	0.911458	0.190160	-0.616019
154	3316	1.336422	-0.269214	-0.253175	1.118398	0.859935	0.135675	-0.750601
155	3338	1.327772	-0.282128	-0.292762	1.115431	0.798953	0.079148	-0.903311
156	3359	1.303730	-0.298436	-0.331234	1.106603	0.731165	0.022537	-1.059782
157	3381	1.261806	-0.316759	-0.367189	1.092665	0.659570	-0.032192	-1.204719
158	3402	1.201296	-0.335184	-0.399415	1.074794	0.586800	-0.083390	-1.323495
159	3424	1.123234	-0.351474	-0.426979	1.054111	0.514552	-0.130009	-1.403680
160	3445	1.030133	-0.363326	-0.449290	1.031205	0.443281	-0.171777	-1.436298
161	3467	0.925545	-0.368672	-0.466134	1.005768	0.372222	-0.209254	-1.416687
162	3488	0.813553	-0.365949	-0.477670	0.976442	0.299732	-0.243735	-1.344852
163	3510	0.698257	-0.354324	-0.484384	0.940902	0.223852	-0.277032	-1.225287
164	3531	0.583328	-0.333815	-0.487025	0.896159	0.142964	-0.311162	-1.066279
165	3553	0.471696	-0.305299	-0.486508	0.839001	0.056371	-0.347999	-0.878809
166	3575	0.365381	-0.270418	-0.483806	0.766469	-0.035347	-0.388959	-0.675168
167	3596	0.265487	-0.231376	-0.479849	0.676238	-0.130277	-0.434765	-0.467501
168	3618	0.172326	-0.190686	-0.475433	0.566830	-0.225466	-0.485341	-0.266436
169	3639	0.085644	-0.150896	-0.471157	0.437607	-0.317496	-0.539844	-0.080005
170	3661	0.004877	-0.114330	-0.467378	0.288564	-0.403222	-0.596835	0.087007
171	3682	-0.070605	-0.082893	-0.464216	0.120024	-0.480529	-0.654540	0.233212
172	3704	-0.141316	-0.057951	-0.461573	-0.067676	-0.548915	-0.711156	0.360254
173	3725	-0.207579	-0.040286	-0.459180	-0.274360	-0.609781	-0.765140	0.471995
174	3747	-0.269543	-0.030131	-0.456656	-0.499979	-0.666334	-0.815427	0.573416
175	3768	-0.327301	-0.027255	-0.453563	-0.744328	-0.723087	-0.861544	0.669391
176	3790	-0.381041	-0.031063	-0.449459	-1.006569	-0.785046	-0.903589	0.763574
177	3811	-0.431210	-0.040699	-0.443936	-1.284652	-0.856703	-0.942106	0.857582
178	3833	-0.478608	-0.055124	-0.436635	-1.574818	-0.941037	-0.977875	0.950608
179	3854	-0.524400	-0.073159	-0.427254	-1.871317	-1.038700	-1.011662	1.039545
180	3876	-0.570021	-0.093500	-0.415538	-2.166491	-1.147581	-1.043990	1.119581
181	3898	-0.616987	-0.114725	-0.401271	-2.451250	-1.262819	-1.074972	1.185158
182	3919	-0.666676	-0.135297	-0.384267	-2.715918	-1.377340	-1.104227	1.231103
183	3941	-0.720105	-0.153601	-0.364369	-2.951306	-1.482818	-1.130903	1.253725
184	3962	-0.777799	-0.168025	-0.341464	-3.149826	-1.570939	-1.153795	1.251652
185	3984	-0.839770	-0.177075	-0.315504	-3.306424	-1.634758	-1.171524	1.226257
186	4005	-0.905624	-0.179534	-0.286536	-3.419138	-1.669921	-1.182749	1.181591
187	4027	-0.974774	-0.174621	-0.254722	-3.489177	-1.675531	-1.186370	1.123833
188	4048	-1.046707	-0.162134	-0.220361	-3.520488	-1.654487	-1.181694	1.060371
189	4070	-1.121201	-0.142533	-0.183885	-3.518912	-1.613225	-1.168531	0.998693
190	4091	-1.198444	-0.116937	-0.145835	-3.491104	-1.560849	-1.147225	0.945312
191	4113	-1.278982	-0.087021	-0.106816	-3.443441	-1.507793	-1.118610	0.904910
192	4134	-1.363483	-0.054816	-0.067438	-3.381142	-1.464205	-1.083916	0.879878
193	4156	-1.452365	-0.022439	-0.028241	-3.307754	-1.438313	-1.044632	0.870297
194	4177	-1.545366	0.008212	0.010371	-3.225096	-1.435050	-1.002357	0.874345
195	4199	-1.641169	0.035738	0.048178	-3.133605	-1.455170	-0.958648	0.889018
196	4221	-1.737210	0.059449	0.085167	-3.032967	-1.495031	-0.914880	0.910967
197	4242	-1.829740	0.079453	0.121518	-2.922837	-1.547091	-0.872132	0.937285
198	4264	-1.914199	0.096604	0.157556	-2.803450	-1.601056	-0.831090	0.966045
199	4285	-1.985840	0.112309	0.193662	-2.675952	-1.645511	-0.791998	0.996493
200	4307	-2.040521	0.128225	0.230175	-2.542371	-1.669752	-0.754633	1.028858
201	4328	-2.075494	0.145895	0.267274	-2.405235	-1.665527	-0.718331	1.063858
202	4350	-2.090035	0.166386	0.304882	-2.266955	-1.628379	-0.682054	1.102016
203	4371	-2.085745	0.190012	0.342596	-2.129131	-1.558359	-0.644503	1.142974
204	4393	-2.066447	0.216181	0.379662	-1.991982	-1.459983	-0.604276	1.184982
205	4414	-2.037658	0.243409	0.414999	-1.854058	-1.341442	-0.560040	1.224687
206	4436	-2.005729	0.269519	0.447280	-1.712324	-1.213192	-0.510722	1.257300
207	4457	-1.976791	0.291963	0.475053	-1.562622	-1.086191	-0.455671	1.277110
208	4479	-1.955728	0.308252	0.496896	-1.400412	-0.970083	-0.394772	1.278256
209	4500	-1.945367	0.316385	0.511579	-1.221642	-0.871660	-0.328496	1.255612
210	4522	-1.946056	0.315221	0.518218	-1.023546	-0.793876	-0.257860	1.205598
211	4544	-1.955691	0.304719	0.516392	-0.805223	-0.735569	-0.184307	1.126777
212	4565	-1.970207	0.285990	0.506215	-0.567866	-0.691949	-0.109526	1.020130
213	4587	-1.984393	0.261173	0.488344	-0.314630	-0.655720	-0.035219	0.888862
214	4608	-1.992885	0.233135	0.463925	-0.050197	-0.618620	0.037114	0.738492
215	4630	-1.991103	0.205056	0.434488	0.219852	-0.573075	0.106369	0.575210
216	4651	-1.975977	0.179969	0.401793	0.489689	-0.513642	0.171950	0.406132
217	4673	-1.946303	0.160341	0.367659	0.753786	-0.437969	0.233794	0.238091
218	4694	-1.902694	0.147743	0.333785	1.007254	-0.347088	0.292307	0.077168
219	4716	-1.847177	0.142690	0.301600	1.245949	-0.245018	0.348217	-0.071683
220	4737	-1.782528	0.144639	0.272140	1.466396	-0.137762	0.402382	-0.204789
221	4759	-1.711529	0.152148	0.245989	1.665612	-0.031922	0.455591	-0.319756
222	4780	-1.636304	0.163160	0.223264	1.840960	0.066771	0.508396	-0.415359
223	4802	-1.557865	0.175341	0.203663	1.990120	0.154706	0.560996	-0.491408
224	4823	-1.475947	0.186427	0.186556	2.111230	0.231158	0.613210	-0.548649
225	4845	-1.389133	0.194494	0.171103	2.203183	0.298424	0.664516	-0.588719
226	4867	-1.295209	0.198151	0.156396	2.266002	0.361291	0.714157	-0.614153
227	4888	-1.191647	0.196600	0.141583	2.301170	0.425963	0.761276	-0.628383
228	4910	-1.076097	0.189600	0.125987	2.311785	0.498665	0.805055	-0.635676
229	4931	-0.946784	0.177350	0.109177	2.302459	0.584220	0.844820	-0.640949
230	4953	-0.802759	0.160334	0.091007	2.278904	0.684891	0.880100	-0.649429
231	4974	-0.643974	0.139169	0.071611	2.247260	0.799739	0.910630	-0.666153
232	4996	-0.471232	0.114501	0.051357	2.213277	0.924610	0.936313	-0.695380
233	5017	-0.286045	0.086949	0.030775	2.181512	1.052782	0.957146	-0.739982
234	5039	-0.090487	0.057116	0.010464	2.154711	1.176119	0.973155	-0.800924
235	5060	0.112930	0.025643	-0.008997	2.133518	1.286506	0.984345	-0.876958
236	5082	0.321330	-0.006721	-0.027137	2.116579	1.377291	0.990687	-0.964583
237	5103	0.531516	-0.039068	-0.043651	2.101034	1.444432	0.992151	-1.058330
238	5125	0.740018	-0.070320	-0.058431	2.083278	1.487148	0.988769	-1.151341
239	5146	0.943204	-0.099278	-0.071565	2.059850	1.507944	0.980708	-1.236163
240	5168	1.137474	-0.124730	-0.083303	2.028234	1.512036	0.968336	-1.305660
241	5190	1.319546	-0.145599	-0.093995	1.987418	1.506306	0.952253	-1.353884
242	5211	1.486803	-0.161111	-0.104020	1.938086	1.497300	0.933268	-1.376790
243	5233	1.637636	-0.170929	-0.113702	1.882418	1.493394	0.912327	-1.372684
244	5254	1.771696	-0.175235	-0.123241	1.823553	1.496847	0.890396	-1.342338
245	5276	1.889972	-0.174738	-0.132658	1.764845	1.510115	0.868328	-1.288778
246	5297	1.994663	-0.170580	-0.141771	1.709092	1.532323	0.846728	-1.216779
247	5319	2.088817	-0.164175	-0.150200	1.657902	1.560392	0.825870	-1.132167
248	5340	2.175810	-0.156992	-0.157407	1.611333	1.589841	0.805653	-1.041031
249	5362	2.258737	-0.150325	-0.162757	1.567886	1.615779	0.785645	-0.948979
250	5383	2.339860	-0.145094	-0.165611	1.524807	1.633861	0.765179	-0.860527
251	5405	2.420203	-0.141710	-0.165408	1.478663	1.641022	0.743497	-0.778719
252	5426	2.499413	-0.140038	-0.161758	1.426002	1.635865	0.719908	-0.704985
253	5448	2.575895	-0.139451	-0.154513	1.363991	1.618657	0.693936	-0.639266
254	5469	2.647213	-0.138984	-0.143803	1.290896	1.590976	0.665416	-0.580332
255	5491	2.710671	-0.137541	-0.130052	1.206311	1.555146	0.634525	-0.526248
256	5513	2.763936	-0.134120	-0.113950	1.111126	1.513593	0.601752	-0.474887
257	5534	2.805589	-0.128020	-0.096391	1.007269	1.468306	0.567791	-0.424409
258	5556	2.835474	-0.118988	-0.078391	0.897301	1.420492	0.533404	-0.373641
259	5577	2.854782	-0.107267	-0.060986	0.783970	1.370515	0.499270	-0.322276
260	5599	2.865857	-0.093564	-0.045128	0.669819	1.318077	0.465846	-0.270911
261	5620	2.871763	-0.078914	-0.031594	0.556905	1.262585	0.433285	-0.220881
262	5642	2.875730	-0.064502	-0.020908	0.446680	1.203574	0.401400	-0.173972
263	5663	2.880558	-0.051444	-0.013302	0.339990	1.141060	0.369698	-0.132035
264	5685	2.888136	-0.040603	-0.008702	0.237191	1.075740	0.337470	-0.096588
265	5706	2.899117	-0.032446	-0.006759	0.138289	1.008959	0.303912	-0.068489
266	5728	2.912827	-0.026984	-0.006896	0.043090	0.942472	0.268261	-0.047714
267	5749	2.927370	-0.023803	-0.008393	-0.048705	0.878060	0.229915	-0.033320
268	5771	2.939903	-0.022160	-0.010468	-0.137437	0.817092	0.188529	-0.023563
269	5792	2.947001	-0.021151	-0.012374	-0.223476	0.760153	0.144055	-0.016194
270	5814	2.945032	-0.019887	-0.013471	-0.307213	0.706833	0.096744	-0.008846
271	5835	2.930497	-0.017664	-0.013296	-0.389034	0.655725	0.047107	0.000535
272	5857	2.900283	-0.014089	-0.011591	-0.469279	0.604640	-0.004157	0.013307
273	5879	2.851833	-0.009132	-0.008320	-0.548152	0.550982	-0.056249	0.029862
274	5900	2.783247	-0.003119	-0.003647	-0.625644	0.492199	-0.108353	0.049541
275	5922	2.693342	0.003358	0.002095	-0.701458	0.426208	-0.159715	0.070744
276	5943	2.581688	0.009566	0.008462	-0.774999	0.351705	-0.209693	0.091217
277	5965	2.448649	0.014777	0.014954	-0.845418	0.268304	-0.257797	0.108488
278	5986	2.295395	0.018413	0.021073	-0.911742	0.176487	-0.303696	0.120349
279	6008	2.123896	0.020144	0.026376	-0.973035	0.077421	-0.347211	0.125316
280	6029	1.936848	0.019949	0.030508	-1.028582	-0.027320	-0.388296	0.122958
281	6051	1.737515	0.018104	0.033225	-1.078032	-0.136021	-0.427003	0.114054
282	6072	1.529493	0.015132	0.034399	-1.121466	-0.247024	-0.463441	0.100528
283	6094	1.316397	0.011705	0.034004	-1.159366	-0.358815	-0.497735	0.085176
284	6115	1.101528	0.008534	0.032103	-1.192486	-0.469997	-0.529986	0.071236
285	6137	0.887564	0.006260	0.028811	-1.221665	-0.579191	-0.560227	0.061886
286	6158	0.676332	0.005365	0.024273	-1.247600	-0.684925	-0.588397	0.059741
287	6180	0.468715	0.006114	0.018633	-1.270671	-0.785588	-0.614331	0.066460
288	6202	0.264693	0.008538	0.012017	-1.290836	-0.879489	-0.637753	0.082519
289	6223	0.063529	0.012444	0.004522	-1.307642	-0.965050	-0.658308	0.107185
290	6245	-0.135962	0.017459	-0.003792	-1.320344	-1.041090	-0.675594	0.138692
291	6266	-0.335101	0.023080	-0.012888	-1.328111	-1.107154	-0.689220	0.174568
292	6288	-0.535062	0.028738	-0.022746	-1.330261	-1.163768	-0.698867	0.212056
293	6309	-0.736677	0.033861	-0.033341	-1.326475	-1.212549	-0.704336	0.248544
294	6331	-0.940337	0.037922	-0.044630	-1.316932	-1.256093	-0.705597	0.281935
295	6352	-1.146009	0.040494	-0.056533	-1.302323	-1.297626	-0.702805	0.310891
296	6374	-1.353327	0.041280	-0.068919	-1.283749	-1.340464	-0.696290	0.334931
297	6395	-1.561721	0.040153	-0.081602	-1.262517	-1.387365	-0.686527	0.354390
298	6417	-1.770516	0.037173	-0.094341	-1.239879	-1.439912	-0.674081	0.370246
299	6438	-1.978989	0.032600	-0.106842	-1.216776	-1.498066	-0.659542	0.383891
300	6460	-2.186338	0.026881	-0.118775	-1.193646	-1.560000	-0.643460	0.396866
301	6481	-2.391584	0.020627	-0.129789	-1.170328	-1.622272	-0.626294	0.410634
302	6503	-2.593439	0.014543	-0.139533	-1.146091	-1.680331	-0.608381	0.426398
303	6525	-2.790176	0.009358	-0.147680	-1.119771	-1.729273	-0.589926	0.444986
304	6546	-2.979558	0.005713	-0.153947	-1.089993	-1.764695	-0.571016	0.466804
305	6568	-3.158847	0.004061	-0.158121	-1.055417	-1.783499	-0.551652	0.491827
306	6589	-3.324925	0.004575	-0.160068	-1.014970	-1.784457	-0.531786	0.519622
307	6611	-3.474493	0.007084	-0.159754	-0.968023	-1.768443	-0.511357	0.549383
308	6632	-3.604330	0.011064	-0.157243	-0.914477	-1.738258	-0.490313	0.579971
309	6654	-3.711559	0.015686	-0.152703	-0.854778	-1.698103	-0.468633	0.609969
310	6675	-3.793879	0.019924	-0.146387	-0.789844	-1.652787	-0.446319	0.637768
311	6697	-3.849721	0.022713	-0.138623	-0.720969	-1.606840	-0.423394	0.661685
312	6718	-3.878319	0.023125	-0.129784	-0.649699	-1.563704	-0.399898	0.680134
313	6740	-3.879710	0.020550	-0.120262	-0.577725	-1.525160	-0.375883	0.691838
314	6761	-3.854665	0.014830	-0.110427	-0.506800	-1.491096	-0.351425	0.696047
315	6783	-3.804609	0.006330	-0.100603	-0.438670	-1.459656	-0.326645	0.692744
316	6804	-3.731542	-0.004075	-0.091027	-0.375023	-1.427711	-0.301730	0.682772
317	6826	-3.637989	-0.015109	-0.081833	-0.317422	-1.391567	-0.276956	0.667849
318	6848	-3.526963	-0.025274	-0.073035	-0.267206	-1.347738	-0.252691	0.650443
319	6869	-3.401936	-0.033083	-0.064524	-0.225375	-1.293637	-0.229379	0.633500
320	6891	-3.266782	-0.037299	-0.056085	-0.192437	-1.228067	-0.207489	0.620042
321	6912	-3.125650	-0.037150	-0.047419	-0.168261	-1.151410	-0.187449	0.612713
322	6934	-2.982758	-0.032460	-0.038182	-0.151960	-1.065518	-0.169559	0.613325
323	6955	-2.842098	-0.023694	-0.028033	-0.141840	-0.973338	-0.153907	0.622499
324	6977	-2.707068	-0.011890	-0.016677	-0.135452	-0.878370	-0.140309	0.639475
325	6998	-2.580100	0.001504	-0.003916	-0.129752	-0.784073	-0.128289	0.662133
326	7020	-2.462317	0.014857	0.010316	-0.121377	-0.693328	-0.117109	0.687230
327	7041	-2.353307	0.026619	0.025925	-0.107011	-0.608044	-0.105860	0.710832
328	7063	-2.251064	0.035553	0.042656	-0.083783	-0.528971	-0.093593	0.728860
329	7084	-2.152120	0.040911	0.060097	-0.049659	-0.455701	-0.079485	0.737661
330	7106	-2.051882	0.042521	0.077715	-0.003749	-0.386845	-0.062992	0.734490
331	7127	-1.945137	0.040763	0.094898	0.053520	-0.320324	-0.043981	0.717836
332	7149	-1.826656	0.036450	0.111010	0.120393	-0.253702	-0.022786	0.687513
333	7171	-1.691826	0.030638	0.125456	0.193966	-0.184518	-0.000192	0.644522
334	7192	-1.537217	0.024407	0.137735	0.270528	-0.110567	0.022669	0.590711
335	7214	-1.361006	0.018648	0.147494	0.346020	-0.030120	0.044500	0.528309
336	7235	-1.163201	0.013908	0.154564	0.416557	0.057930	0.064066	0.459430
337	7257	-0.945638	0.010308	0.158971	0.478919	0.153977	0.080427	0.385654
338	7278	-0.711751	0.007560	0.160940	0.530947	0.257659	0.093142	0.307772
339	7300	-0.466160	0.005057	0.160865	0.571774	0.367867	0.102391	0.225737
340	7321	-0.214135	0.002040	0.159273	0.601846	0.482801	0.109004	0.138823
341	7343	0.038990	-0.002229	0.156772	0.622738	0.600089	0.114369	0.045972
342	7364	0.288363	-0.008295	0.153988	0.636783	0.716967	0.120239	-0.053769
343	7386	0.530045	-0.016383	0.151505	0.646573	0.830534	0.128466	-0.160811
344	7407	0.761288	-0.026347	0.149809	0.654432	0.938048	0.140703	-0.274672
345	7429	0.980592	-0.037688	0.149245	0.661933	1.037240	0.158123	-0.393787
346	7450	1.187586	-0.049643	0.149979	0.669565	1.126592	0.181208	-0.515529
347	7472	1.382720	-0.061313	0.151987	0.676604	1.205519	0.209645	-0.636420
348	7494	1.566863	-0.071814	0.155052	0.681223	1.274423	0.242346	-0.752499
349	7515	1.740855	-0.080406	0.158786	0.680836	1.334580	0.277597	-0.859771
350	7537	1.905113	-0.086583	0.162660	0.672600	1.387870	0.313301	-0.954654
351	7558	2.059355	-0.090114	0.166051	0.654013	1.436386	0.347290	-1.034338
352	7580	2.202512	-0.091025	0.168294	0.623480	1.481989	0.377639	-1.097018
353	7601	2.332834	-0.089532	0.168743	0.580752	1.525892	0.402946	-1.141949
354	7623	2.448194	-0.085961	0.166825	0.527149	1.568354	0.422513	-1.169352
355	7644	2.546517	-0.080656	0.162097	0.465512	1.608555	0.436421	-1.180208
356	7666	2.626277	-0.073913	0.154287	0.399893	1.644670	0.445473	-1.175991
357	7687	2.686936	-0.065953	0.143324	0.335022	1.674161	0.451022	-1.158402
358	7709	2.729249	-0.056922	0.129353	0.275645	1.694204	0.454727	-1.129160
359	7730	2.755351	-0.046941	0.112728	0.225843	1.702200	0.458256	-1.089887
360	7752	2.768583	-0.036163	0.093989	0.188448	1.696260	0.463015	-1.042076
361	7773	2.773086	-0.024834	0.073816	0.164661	1.675585	0.469920	-0.987141
362	7795	2.773197	-0.013335	0.052979	0.153927	1.640660	0.479267	-0.926505
363	7817	2.772774	-0.002190	0.032265	0.154083	1.593245	0.490710	-0.861686
364	7838	2.774548	0.007973	0.012417	0.161765	1.536165	0.503337	-0.794346
365	7860	2.779639	0.016489	-0.005936	0.172963	1.472939	0.515845	-0.726278
366	7881	2.787327	0.022756	-0.022327	0.183668	1.407325	0.526760	-0.659323
367	7903	2.795124	0.026333	-0.036488	0.190468	1.342848	0.534684	-0.595240
368	7924	2.799149	0.027036	-0.048359	0.191016	1.282403	0.538508	-0.535549
369	7946	2.794742	0.024988	-0.058082	0.184312	1.227964	0.537575	-0.481382
370	7967	2.777207	0.020631	-0.065967	0.170747	1.180439	0.531760	-0.433382
371	7989	2.742559	0.014690	-0.072442	0.151943	1.139663	0.521464	-0.391658
372	8010	2.688134	0.008092	-0.077991	0.130426	1.104521	0.507527	-0.355814
373	8032	2.612964	0.001848	-0.083088	0.109196	1.073145	0.491079	-0.325035
374	8053	2.517861	-0.003065	-0.088144	0.091271	1.043162	0.473358	-0.298211
375	8075	2.405193	-0.005831	-0.093452	0.079277	1.011967	0.455523	-0.274074
376	8096	2.278420	-0.005885	-0.099164	0.075126	0.976975	0.438494	-0.251318
377	8118	2.141486	-0.002978	-0.105284	0.079822	0.935866	0.422834	-0.228688
378	8140	1.998178	0.002812	-0.111679	0.093400	0.886796	0.408696	-0.205038
379	8161	1.851582	0.011095	-0.118113	0.114980	0.828569	0.395837	-0.179345
380	8183	1.703727	0.021229	-0.124292	0.142920	0.760763	0.383671	-0.150717
381	8204	1.555471	0.032405	-0.129911	0.175028	0.683790	0.371387	-0.118406
382	8226	1.406634	0.043727	-0.134698	0.208813	0.598870	0.358062	-0.081829
383	8247	1.256328	0.054313	-0.138455	0.241730	0.507902	0.342799	-0.040622
384	8269	1.103408	0.063370	-0.141073	0.271423	0.413240	0.324831	0.005286
385	8290	0.946945	0.070256	-0.142539	0.295915	0.317380	0.303604	0.055598
386	8312	0.786612	0.074527	-0.142919	0.313760	0.222598	0.278822	0.109585
387	8333	0.622924	0.075962	-0.142335	0.324135	0.130609	0.250452	0.166071
388	8355	0.457283	0.074562	-0.140926	0.326851	0.042289	0.218705	0.223477
389	8376	0.291829	0.070541	-0.138815	0.322315	-0.042451	0.183988	0.279934
390	8398	0.129136	0.064296	-0.136074	0.311404	-0.124610	0.146842	0.333460
391	8419	-0.028177	0.056368	-0.132708	0.295305	-0.205858	0.107891	0.382179
392	8441	-0.177841	0.047387	-0.128647	0.275302	-0.288126	0.067781	0.424544
393	8463	-0.318267	0.038016	-0.123755	0.252574	-0.373110	0.027147	0.459522
394	8484	-0.448738	0.028884	-0.117858	0.228008	-0.461780	-0.013425	0.486718
395	8506	-0.569453	0.020524	-0.110774	0.202073	-0.554001	-0.053411	0.506382
396	8527	-0.681396	0.013317	-0.102356	0.174773	-0.648353	-0.092363	0.519323
397	8549	-0.786092	0.007449	-0.092525	0.145691	-0.742218	-0.129914	0.526711
398	8570	-0.885265	0.002892	-0.081305	0.114111	-0.832125	-0.165793	0.529818
399	8592	-0.980494	-0.000592	-0.068831	0.079220	-0.914304	-0.199827	0.529727
400	8613	-1.072909	-0.003416	-0.055356	0.040329	-0.985357	-0.231953	0.527083
401	8635	-1.162977	-0.006103	-0.041235	-0.002904	-1.042904	-0.262221	0.521917
402	8656	-1.250419	-0.009206	-0.026891	-0.050303	-1.086074	-0.290783	0.513594
403	8678	-1.334256	-0.013205	-0.012775	-0.101075	-1.115733	-0.317877	0.500904
404	8699	-1.412973	-0.018414	0.000676	-0.153817	-1.134393	-0.343786	0.482289
405	8721	-1.484764	-0.024902	0.013088	-0.206615	-1.145798	-0.368789	0.456174
406	8742	-1.547819	-0.032440	0.024184	-0.257233	-1.154269	-0.393096	0.421349
407	8764	-1.600607	-0.040500	0.033813	-0.303361	-1.163925	-0.416784	0.377332
408	8786	-1.642094	-0.048298	0.041955	-0.342874	-1.177936	-0.439750	0.324645
409	8807	-1.671895	-0.054884	0.048720	-0.374084	-1.197947	-0.461680	0.264935
410	8829	-1.690314	-0.059279	0.054324	-0.395927	-1.223791	-0.482055	0.200909
411	8850	-1.698292	-0.060627	0.059056	-0.408076	-1.253543	-0.500200	0.136061
412	8872	-1.697263	-0.058358	0.063235	-0.410954	-1.283911	-0.515364	0.074225
413	8893	-1.688956	-0.052313	0.067169	-0.405665	-1.310862	-0.526833	0.019013
414	8915	-1.675176	-0.042830	0.071107	-0.393834	-1.330385	-0.534061	-0.026774
415	8936	-1.657581	-0.030753	0.075211	-0.377403	-1.339221	-0.536779	-0.061666
416	8958	-1.637511	-0.017363	0.079530	-0.358397	-1.335433	-0.535084	-0.085862
417	8979	-1.615869	-0.004230	0.083990	-0.338697	-1.318720	-0.529475	-0.101319
418	9001	-1.593073	0.006997	0.088404	-0.319852	-1.290421	-0.520819	-0.111546
419	9022	-1.569071	0.014837	0.092487	-0.302946	-1.253227	-0.510259	-0.121104
420	9044	-1.543421	0.018216	0.095892	-0.288540	-1.210688	-0.499057	-0.134883
421	9065	-1.515395	0.016671	0.098242	-0.276683	-1.166600	-0.488402	-0.157250
422	9087	-1.484108	0.010466	0.099178	-0.266995	-1.124407	-0.479213	-0.191223
423	9109	-1.448633	0.000602	0.098395	-0.258793	-1.086704	-0.471962	-0.237799
424	9130	-1.408103	-0.011292	0.095684	-0.251248	-1.054939	-0.466559	-0.295594
425	9152	-1.361776	-0.023177	0.090952	-0.243536	-1.029304	-0.462313	-0.360862
426	9173	-1.309071	-0.032916	0.084243	-0.234958	-1.008834	-0.457990	-0.427948
427	9195	-1.249579	-0.038607	0.075737	-0.225026	-0.991635	-0.451959	-0.490089
428	9216	-1.183058	-0.038912	0.065742	-0.213476	-0.975200	-0.442405	-0.540496
429	9238	-1.109417	-0.033308	0.054671	-0.200234	-0.956734	-0.427592	-0.573491
430	9259	-1.028712	-0.022213	0.043009	-0.185344	-0.933443	-0.406113	-0.585540
431	9281	-0.941140	-0.006961	0.031274	-0.168857	-0.902762	-0.377108	-0.575961
432	9302	-0.847049	0.010373	0.019975	-0.150745	-0.862529	-0.340411	-0.547168
433	9324	-0.746949	0.027292	0.009569	-0.130829	-0.811111	-0.296588	-0.504379
434	9345	-0.641532	0.041278	0.000424	-0.108764	-0.747498	-0.246883	-0.454804
435	9367	-0.531669	0.050210	-0.007209	-0.084078	-0.671401	-0.193063	-0.406428
436	9388	-0.418417	0.052741	-0.013217	-0.056265	-0.583321	-0.137196	-0.366594
437	9410	-0.302994	0.048551	-0.017632	-0.024918	-0.484596	-0.081395	-0.340625
438	9432	-0.186754	0.038430	-0.020618	0.010134	-0.377387	-0.027570	-0.330738
439	9453	-0.071144	0.024184	-0.022456	0.048705	-0.264572	0.022769	-0.335471
440	9475	0.042336	0.008353	-0.023507	0.090173	-0.149530	0.068648	-0.349727
441	9496	0.152182	-0.006200	-0.024174	0.133475	-0.035818	0.109657	-0.365487
442	9518	0.256928	-0.016767	-0.024851	0.177168	0.073218	0.145904	-0.373064
443	9539	0.355188	-0.021256	-0.025885	0.219561	0.174854	0.177888	-0.362713
444	9561	0.445701	-0.018558	-0.027524	0.258891	0.267335	0.206319	-0.326328
445	9582	0.527370	-0.008753	-0.029895	0.293517	0.350088	0.231934	-0.258911
446	9604	0.599311	0.006887	-0.032981	0.322105	0.423751	0.255323	-0.159582
447	9625	0.660894	0.026094	-0.036620	0.343764	0.489989	0.276801	-0.031918
448	9647	0.711782	0.045969	-0.040519	0.358129	0.551128	0.296351	0.116439
449	9668	0.751951	0.063453	-0.044291	0.365368	0.609658	0.313628	0.274837
450	9690	0.781688	0.075831	-0.047495	0.366122	0.667717	0.328025	0.431177
451	9711	0.801562	0.081161	-0.049692	0.361382	0.726642	0.338796	0.573695
452	9733	0.812359	0.078584	-0.050501	0.352344	0.786684	0.345188	0.692683
453	9755	0.814991	0.068435	-0.049650	0.340234	0.846957	0.346578	0.781842
454	9776	0.810393	0.052161	-0.047020	0.326157	0.905617	0.342580	0.839052
455	9798	0.799412	0.032055	-0.042663	0.310968	0.960237	0.333115	0.866445
456	9819	0.782725	0.010856	-0.036813	0.295192	1.008301	0.318429	0.869770
457	9841	0.760786	-0.008710	-0.029865	0.278989	1.047707	0.299065	0.857207
458	9862	0.733820	-0.024365	-0.022339	0.262175	1.077164	0.275788	0.837815
459	9884	0.701865	-0.034623	-0.014823	0.244293	1.096418	0.249495	0.819920
460	9905	0.664856	-0.038983	-0.007916	0.224714	1.106241	0.221111	0.809706
461	9927	0.622726	-0.037951	-0.002159	0.202770	1.108218	0.191490	0.810248
462	9948	0.575508	-0.032889	0.002022	0.177881	1.104360	0.161347	0.821122
463	9970	0.523409	-0.025732	0.004365	0.149687	1.096666	0.131210	0.838652
464	9991	0.466852	-0.018632	0.004796	0.118126	1.086705	0.101414	0.856710
465	10013	0.406459	-0.013586	0.003433	0.083485	1.075335	0.072118	0.867914
466	10034	0.342990	-0.012115	0.000570	0.046378	1.062599	0.043354	0.865001
467	10056	0.277254	-0.015048	-0.003363	0.007676	1.047820	0.015088	0.842139
468	10078	0.210009	-0.022428	-0.007848	-0.031621	1.029859	-0.012719	0.795968
469	10099	0.141869	-0.033564	-0.012347	-0.070537	1.007470	-0.040046	0.726193
470	10121	0.073262	-0.047178	-0.016354	-0.108281	0.979657	-0.066775	0.635680
471	10142	0.004431	-0.061649	-0.019454	-0.144374	0.945961	-0.092661	0.530043
472	10164	-0.064523	-0.075272	-0.021359	-0.178724	0.906595	-0.117360	0.416814
473	10185	-0.133526	-0.086516	-0.021932	-0.211631	0.862431	-0.140352	0.304361
474	10207	-0.202425	-0.094225	-0.021189	-0.243701	0.814825	-0.161180	0.200714
475	10228	-0.270865	-0.097748	-0.019284	-0.275703	0.765354	-0.179317	0.112485
476	10250	-0.338195	-0.096976	-0.016484	-0.308374	0.715520	-0.194321	0.044042
477	10271	-0.403424	-0.092316	-0.013125	-0.342220	0.666500	-0.205878	-0.002980
478	10293	-0.465236	-0.084583	-0.009577	-0.377364	0.619001	-0.213849	-0.029757
479	10314	-0.522061	-0.074869	-0.006197	-0.413447	0.573231	-0.218295	-0.039979
480	10336	-0.572203	-0.064383	-0.003302	-0.449635	0.528994	-0.219483	-0.039237
481	10357	-0.613996	-0.054302	-0.001139	-0.484710	0.485864	-0.217858	-0.034187
482	10379	-0.645985	-0.045640	0.000124	-0.517251	0.443378	-0.213999	-0.031630
483	10401	-0.667082	-0.039143	0.000408	-0.545843	0.401205	-0.208553	-0.037616
484	10422	-0.676713	-0.035228	-0.000288	-0.569296	0.359226	-0.202156	-0.056696
485	10444	-0.674905	-0.033948	-0.001892	-0.586811	0.317534	-0.195363	-0.091400
486	10465	-0.662323	-0.034998	-0.004176	-0.598074	0.276341	-0.188582	-0.142002
487	10487	-0.640250	-0.037757	-0.007269	-0.603257	0.235845	-0.182030	-0.206576
488	10508	-0.610491	-0.041357	-0.010667	-0.602917	0.196091	-0.175725	-0.281329
489	10530	-0.575234	-0.044783	-0.014250	-0.597848	0.156892	-0.169491	-0.361158
490	10551	-0.536846	-0.046992	-0.017789	-0.588885	0.117831	-0.163011	-0.440352
491	10573	-0.497649	-0.047048	-0.021056	-0.576733	0.078355	-0.155884	-0.513338
492	10594	-0.459679	-0.044250	-0.023834	-0.561834	0.037941	-0.147706	-0.575384
493	10616	-0.424464	-0.038242	-0.025927	-0.544311	-0.003702	-0.138145	-0.623165
494	10637	-0.392846	-0.029081	-0.027172	-0.523977	-0.046466	-0.127003	-0.655110
495	10659	-0.364882	-0.017261	-0.027451	-0.500413	-0.089750	-0.114260	-0.671511
496	10680	-0.339838	-0.003672	-0.026703	-0.473078	-0.132473	-0.100091	-0.674359
497	10702	-0.316296	0.010509	-0.024931	-0.441429	-0.173225	-0.084848	-0.666957
498	10724	-0.292349	0.023962	-0.022211	-0.405017	-0.210497	-0.069016	-0.653362
499	10745	-0.265885	0.035421	-0.018683	-0.363555	-0.242977	-0.053153	-0.637735
500	10767	-0.234897	0.043852	-0.014552	-0.316936	-0.269826	-0.037815	-0.623717
501	10788	-0.197789	0.048620	-0.010062	-0.265229	-0.290877	-0.023484	-0.613908
502	10810	-0.153608	0.049594	-0.005484	-0.208650	-0.306717	-0.010504	-0.609528
503	10831	-0.102169	0.047181	-0.001086	-0.147544	-0.318617	0.000955	-0.610323
504	10853	-0.044057	0.042271	0.002892	-0.082378	-0.328335	0.010917	-0.614700
505	10874	0.019524	0.036106	0.006256	-0.013754	-0.337822	0.019583	-0.620085
506	10896	0.086999	0.030094	0.008880	0.057565	-0.348892	0.027302	-0.623423
507	10917	0.156743	0.025582	0.010709	0.130637	-0.362928	0.034509	-0.621740
508	10939	0.227393	0.023655	0.011765	0.204345	-0.380662	0.041666	-0.612667
509	10960	0.298106	0.024953	0.012130	0.277442	-0.402093	0.049193	-0.594848
510	10982	0.368695	0.029581	0.011941	0.348631	-0.426521	0.057412	-0.568162
511	11003	0.439612	0.037087	0.011361	0.416692	-0.452703	0.066502	-0.533722
512	11025	0.511786	0.046542	0.010564	0.480608	-0.479072	0.076478	-0.493681
513	11047	0.586331	0.056692	0.009717	0.539682	-0.503984	0.087191	-0.450860
514	11068	0.664194	0.066156	0.008961	0.593602	-0.525943	0.098345	-0.408287
515	11090	0.745802	0.073647	0.008410	0.642438	-0.543762	0.109543	-0.368721
516	11111	0.830791	0.078171	0.008147	0.686565	-0.556652	0.120337	-0.334241
517	11133	0.917876	0.079175	0.008227	0.726523	-0.564241	0.130288	-0.305969
518	11154	1.004886	0.076624	0.008685	0.762846	-0.566541	0.139025	-0.283961
519	11176	1.088983	0.070990	0.009542	0.795898	-0.563884	0.146301	-0.267282
520	11197	1.167016	0.063166	0.010813	0.825758	-0.556858	0.152020	-0.254230
521	11219	1.235952	0.054315	0.012507	0.852184	-0.546257	0.156258	-0.242674
522	11240	1.293319	0.045679	0.014627	0.874669	-0.533043	0.159251	-0.230436
523	11262	1.337560	0.038392	0.017158	0.892581	-0.518313	0.161368	-0.215655
524	11283	1.368250	0.033304	0.020066	0.905347	-0.503256	0.163050	-0.197067
525	11305	1.386126	0.030865	0.023279	0.912642	-0.489091	0.164751	-0.174178
526	11326	1.392935	0.031076	0.026690	0.914537	-0.476957	0.166863	-0.147291
527	11348	1.391119	0.033505	0.030145	0.911555	-0.467784	0.169644	-0.117407
528	11370	1.383403	0.037376	0.033456	0.904628	-0.462154	0.173174	-0.086020
529	11391	1.372355	0.041702	0.036410	0.894947	-0.460173	0.177324	-0.054852
530	11413	1.360005	0.045449	0.038792	0.883770	-0.461398	0.181761	-0.025568
531	11434	1.347577	0.047700	0.040401	0.872170	-0.464842	0.185988	0.000484
532	11456	1.335391	0.047790	0.041087	0.860848	-0.469074	0.189407	0.022460
533	11477	1.322921	0.045405	0.040762	0.850017	-0.472400	0.191411	0.040124
534	11499	1.309008	0.040620	0.039421	0.839392	-0.473106	0.191478	0.053858
535	11520	1.292165	0.033872	0.037146	0.828293	-0.469725	0.189255	0.064574
536	11542	1.270905	0.025892	0.034099	0.815839	-0.461270	0.184627	0.073564
537	11563	1.244026	0.017579	0.030505	0.801176	-0.447386	0.177745	0.082305
538	11585	1.210793	0.009869	0.026628	0.783690	-0.428396	0.169011	0.092244
539	11606	1.170987	0.003591	0.022733	0.763161	-0.405229	0.159019	0.104611
540	11628	1.124807	-0.000645	0.019056	0.739808	-0.379232	0.148465	0.120263
541	11649	1.072670	-0.002531	0.015777	0.714229	-0.351919	0.138030	0.139590
542	11671	1.014943	-0.002094	0.012992	0.687242	-0.324692	0.128261	0.162484
543	11693	0.951696	0.000326	0.010711	0.659674	-0.298600	0.119471	0.188374
544	11714	0.882522	0.004136	0.008856	0.632147	-0.274179	0.111667	0.216317
545	11736	0.806496	0.008595	0.007281	0.604914	-0.251397	0.104536	0.245123
546	11757	0.722284	0.012921	0.005796	0.577783	-0.229720	0.097475	0.273511
547	11779	0.628394	0.016413	0.004199	0.550146	-0.208270	0.089681	0.300255
548	11800	0.523538	0.018543	0.002311	0.521106	-0.186042	0.080265	0.324315
549	11822	0.407024	0.019024	0.000001	0.489670	-0.162133	0.068397	0.344931
550	11843	0.279098	0.017828	-0.002790	0.454955	-0.135934	0.053443	0.361675
551	11865	0.141171	0.015178	-0.006044	0.416374	-0.107240	0.035078	0.374448
552	11886	-0.004146	0.011486	-0.009668	0.373738	-0.076275	0.013339	0.383439
553	11908	-0.153208	0.007279	-0.013513	0.327272	-0.043619	-0.011349	0.389040
554	11929	-0.301692	0.003106	-0.017393	0.277493	-0.010066	-0.038231	0.391753
555	11951	-0.445106	-0.000543	-0.021122	0.225316	0.023551	-0.066315	0.392081
556	11972	-0.579346	-0.003310	-0.024536	0.171381	0.056529	-0.094505	0.390448
557	11994	-0.701218	-0.005006	-0.027519	0.116407	0.088423	-0.121750	0.387134
558	12016	-0.808847	-0.005623	-0.030019	0.060838	0.119104	-0.147177	0.382257
559	12037	-0.901869	-0.005309	-0.032052	0.004871	0.148749	-0.170199	0.375789
560	12059	-0.981408	-0.004327	-0.033694	-0.051482	0.177752	-0.190577	0.367606
561	12080	-1.049812	-0.002999	-0.035063	-0.108283	0.206599	-0.208428	0.357560
562	12102	-1.110225	-0.001640	-0.036297	-0.165519	0.235732	-0.224179	0.345559
563	12123	-1.166036	-0.000515	-0.037524	-0.222977	0.265416	-0.238475	0.331632
564	12145	-1.220333	0.000196	-0.038843	-0.280161	0.295665	-0.252067	0.315975
565	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
566	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
567	12209	-1.391667	-0.000583	-0.043462	-0.441248	0.385868	-0.295012	0.263080
568	12231	-1.451694	-0.001631	-0.044954	-0.487973	0.413493	-0.311123	0.245452
569	12252	-1.510621	-0.002930	-0.046162	-0.529736	0.438622	-0.327954	0.228794
570	12274	-1.565963	-0.004423	-0.046896	-0.566105	0.460608	-0.344987	0.213491
571	12295	-1.615172	-0.006099	-0.046977	-0.597046	0.478987	-0.361508	0.199708
572	12317	-1.656043	-0.007989	-0.046258	-0.622869	0.493499	-0.376706	0.187353
573	12339	-1.687026	-0.010153	-0.044643	-0.644283	0.504091	-0.389786	0.176097
574	12360	-1.707416	-0.012660	-0.042100	-0.661952	0.510882	-0.400064	0.165412
575	12382	-1.717396	-0.015566	-0.038661	-0.676645	0.514123	-0.407056	0.154654
576	12403	-1.717938	-0.018896	-0.034418	-0.688959	0.514156	-0.410528	0.143155
577	12425	-1.710598	-0.022634	-0.029513	-0.699266	0.511374	-0.410518	0.130322
578	12446	-1.697243	-0.026727	-0.024120	-0.707701	0.506199	-0.407315	0.115729
579	12468	-1.679749	-0.031097	-0.018432	-0.714208	0.499056	-0.401412	0.099184
580	12489	-1.659719	-0.035655	-0.012641	-0.718636	0.490366	-0.393436	0.080762
581	12511	-1.638263	-0.040318	-0.006932	-0.720852	0.480524	-0.384056	0.060812
582	12532	-1.615846	-0.045023	-0.001467	-0.720842	0.469877	-0.373904	0.039919
583	12554	-1.592240	-0.049728	0.003616	-0.718785	0.458699	-0.363497	0.018846
584	12575	-1.566568	-0.054407	0.008202	-0.715068	0.447156	-0.353187	-0.001556
585	12597	-1.537435	-0.059037	0.012201	-0.710248	0.435282	-0.343128	-0.020442
586	12618	-1.503138	-0.063580	0.015545	-0.704981	0.422970	-0.333279	-0.037067
587	12640	-1.461918	-0.067973	0.018188	-0.699914	0.409981	-0.323428	-0.050874
588	12662	-1.412230	-0.072119	0.020103	-0.695598	0.395982	-0.313235	-0.061556
589	12683	-1.352998	-0.075900	0.021287	-0.692414	0.380606	-0.302286	-0.069087
590	12705	-1.283814	-0.079191	0.021763	-0.690540	0.363535	-0.290150	-0.073719
591	12726	-1.205046	-0.081894	0.021586	-0.689970	0.344580	-0.276434	-0.075941
592	12748	-1.117844	-0.083965	0.020841	-0.690563	0.323750	-0.260813	-0.076404
593	12769	-1.024029	-0.085446	0.019651	-0.692109	0.301288	-0.243063	-0.075812
594	12791	-0.925872	-0.086472	0.018165	-0.694402	0.277665	-0.223067	-0.074806
595	12812	-0.825803	-0.087269	0.016557	-0.697285	0.253530	-0.200809	-0.073841
596	12834	-0.726088	-0.088122	0.015007	-0.700671	0.229605	-0.176370	-0.073085
597	12855	-0.628524	-0.089321	0.013688	-0.704523	0.206563	-0.149906	-0.072345
598	12877	-0.534217	-0.091110	0.012750	-0.708814	0.184885	-0.121635	-0.071058
599	12898	-0.443464	-0.093612	0.012296	-0.713474	0.164748	-0.091826	-0.068327
600	12920	-0.355785	-0.096786	0.012369	-0.718346	0.145937	-0.060785	-0.063025
601	12941	-0.270077	-0.100392	0.012946	-0.723162	0.127842	-0.028844	-0.053951
602	12963	-0.184872	-0.104000	0.013929	-0.727559	0.109505	0.003652	-0.040021
603	12985	-0.098655	-0.107024	0.015153	-0.731117	0.089755	0.036366	-0.020466
604	13006	-0.010170	-0.108791	0.016399	-0.733417	0.067378	0.068988	0.004986
605	13028	0.081339	-0.108631	0.017413	-0.734103	0.041334	0.101265	0.035981
606	13049	0.175983	-0.105979	0.017934	-0.732920	0.010945	0.133025	0.071482
607	13071	0.273215	-0.100455	0.017722	-0.729717	-0.023932	0.164190	0.109811
608	13092	0.371935	-0.091937	0.016582	-0.724417	-0.062827	0.194790	0.148770
609	13114	0.470676	-0.080582	0.014394	-0.716938	-0.104549	0.224943	0.185847
610	13135	0.567835	-0.066817	0.011127	-0.707114	-0.147781	0.254825	0.218480
611	13157	0.661893	-0.051283	0.006850	-0.694619	-0.190262	0.284618	0.244323
612	13178	0.751579	-0.034748	0.001733	-0.678923	-0.230023	0.314454	0.261502
613	13200	0.835952	-0.018005	-0.003967	-0.659311	-0.265152	0.344346	0.268793
614	13221	0.914409	-0.001768	-0.009922	-0.634957	-0.294148	0.374145	0.265720
615	13243	0.986613	0.013421	-0.015759	-0.605053	-0.316121	0.403511	0.252543
616	13264	1.052402	0.027252	-0.021096	-0.568960	-0.330905	0.431921	0.230140
617	13286	1.111691	0.039664	-0.025573	-0.526350	-0.339075	0.458707	0.199820
618	13308	1.164418	0.050833	-0.028886	-0.477298	-0.341856	0.483137	0.163086
619	13329	1.210538	0.061114	-0.030816	-0.422295	-0.340930	0.504505	0.121400
620	13351	1.250062	0.070959	-0.031248	-0.362169	-0.338190	0.522237	0.075994
621	13372	1.283136	0.080827	-0.030187	-0.297925	-0.335453	0.535984	0.027760
622	13394	1.310108	0.091089	-0.027758	-0.230530	-0.334192	0.545679	-0.022771
623	13415	1.331568	0.101956	-0.024197	-0.160695	-0.335328	0.551561	-0.075346
624	13437	1.348325	0.113432	-0.019830	-0.088699	-0.339094	0.554147	-0.129836
625	13458	1.361318	0.125299	-0.015044	-0.014310	-0.345029	0.554155	-0.186043
626	13480	1.371476	0.137134	-0.010253	0.063172	-0.352064	0.552393	-0.243518
627	13501	1.379554	0.148362	-0.005857	0.144751	-0.358719	0.549636	-0.301414
628	13523	1.385983	0.158323	-0.002205	0.231427	-0.363363	0.546497	-0.358449
629	13544	1.390773	0.166351	0.000440	0.324113	-0.364499	0.543330	-0.412931
630	13566	1.393508	0.171857	0.001924	0.422891	-0.361035	0.540170	-0.462918
631	13587	1.393420	0.174396	0.002219	0.527251	-0.352476	0.536733	-0.506426
632	13609	1.389551	0.173721	0.001424	0.635786	-0.339033	0.532458	-0.541670
633	13631	1.380952	0.169811	-0.000249	0.746301	-0.321595	0.526609	-0.567300
634	13652	1.366886	0.162876	-0.002498	0.856035	-0.301591	0.518389	-0.582573
635	13674	1.346983	0.153342	-0.004969	0.961972	-0.280757	0.507084	-0.587431
636	13695	1.321312	0.141805	-0.007293	1.061204	-0.260834	0.492174	-0.582487
637	13717	1.290353	0.128985	-0.009132	1.151271	-0.243273	0.473430	-0.568906
638	13738	1.254891	0.115657	-0.010218	1.230409	-0.228978	0.450952	-0.548228
639	13760	1.215835	0.102583	-0.010379	1.297682	-0.218149	0.425166	-0.522153
640	13781	1.174036	0.090443	-0.009558	1.352966	-0.210248	0.396767	-0.492347
641	13803	1.130121	0.079780	-0.007818	1.396826	-0.204105	0.366623	-0.460294
642	13824	1.084400	0.070946	-0.005324	1.430304	-0.198136	0.335663	-0.427221
643	13846	1.036864	0.064073	-0.002318	1.454690	-0.190647	0.304753	-0.394094
644	13867	0.987256	0.059062	0.000916	1.471317	-0.180154	0.274590	-0.361668
645	13889	0.935216	0.055600	0.004097	1.481418	-0.165677	0.245629	-0.330569
646	13910	0.880447	0.053190	0.006984	1.486064	-0.146930	0.218038	-0.301364
647	13932	0.822860	0.051216	0.009408	1.486172	-0.124384	0.191711	-0.274596
648	13954	0.762674	0.049014	0.011296	1.482556	-0.099195	0.166312	-0.250768
649	13975	0.700433	0.045956	0.012671	1.475981	-0.072987	0.141354	-0.230273
650	13997	0.636954	0.041532	0.013647	1.467192	-0.047559	0.116300	-0.213288
651	14018	0.573206	0.035421	0.014395	1.456897	-0.024555	0.090660	-0.199684
652	14040	0.510155	0.027534	0.015118	1.445694	-0.005173	0.064092	-0.188962
653	14061	0.448622	0.018028	0.015998	1.433972	0.010038	0.036465	-0.180268
654	14083	0.389167	0.007291	0.017168	1.421815	0.021249	0.007897	-0.172493
655	14104	0.332033	-0.004118	0.018676	1.408934	0.029278	-0.021250	-0.164446
656	14126	0.277161	-0.015550	0.020470	1.394678	0.035398	-0.050408	-0.155086
657	14147	0.224259	-0.026360	0.022404	1.378102	0.041059	-0.078876	-0.143751
658	14169	0.172909	-0.036008	0.024249	1.358117	0.047589	-0.105911	-0.130311
659	14190	0.122694	-0.044140	0.025737	1.333652	0.055941	-0.130829	-0.115250
660	14212	0.073297	-0.050641	0.026597	1.303828	0.066518	-0.153097	-0.099590
661	14233	0.024584	-0.055651	0.026608	1.268057	0.079141	-0.172402	-0.084685
662	14255	-0.023375	-0.059535	0.025642	1.226074	0.093130	-0.188692	-0.071911
663	14277	-0.070314	-0.062813	0.023691	1.177869	0.107491	-0.202175	-0.062308
664	14298	-0.115832	-0.066072	0.020885	1.123553	0.121160	-0.213286	-0.056254
665	14320	-0.159468	-0.069853	0.017480	1.063180	0.133248	-0.222617	-0.053238
666	14341	-0.200786	-0.074549	0.013835	0.996592	0.143230	-0.230828	-0.051809
667	14363	-0.239463	-0.080328	0.010358	0.923333	0.151035	-0.238556	-0.049707
668	14384	-0.275349	-0.087090	0.007453	0.842654	0.157031	-0.246324	-0.044193
669	14406	-0.308516	-0.094467	0.005459	0.753639	0.161898	-0.254485	-0.032501
670	14427	-0.339270	-0.101866	0.004594	0.655408	0.166446	-0.263179	-0.012353
671	14449	-0.368139	-0.108552	0.004916	0.547367	0.171395	-0.272348	0.017569
672	14470	-0.395824	-0.113748	0.006306	0.429438	0.177199	-0.281760	0.057289
673	14492	-0.423132	-0.116747	0.008473	0.302212	0.183939	-0.291077	0.105407
674	14513	-0.450873	-0.117010	0.010988	0.166980	0.191312	-0.299918	0.159211
675	14535	-0.479754	-0.114236	0.013338	0.025636	0.198718	-0.307937	0.215005
676	14556	-0.510268	-0.108404	0.014988	-0.119538	0.205420	-0.314871	0.268622
677	14578	-0.542602	-0.099773	0.015462	-0.266147	0.210735	-0.320576	0.316007
678	14600	-0.576580	-0.088846	0.014406	-0.411963	0.214206	-0.325033	0.353793
679	14621	-0.611665	-0.076305	0.011638	-0.555147	0.215716	-0.328321	0.379744
680	14643	-0.647012	-0.062934	0.007185	-0.694347	0.215515	-0.330587	0.393028
681	14664	-0.681594	-0.049535	0.001284	-0.828680	0.214144	-0.331990	0.394243
682	14686	-0.714354	-0.036847	-0.005643	-0.957596	0.212297	-0.332662	0.385235
683	14707	-0.744388	-0.025486	-0.013034	-1.080663	0.210630	-0.332672	0.368736
684	14729	-0.771103	-0.015901	-0.020257	-1.197351	0.209582	-0.332011	0.347902
685	14750	-0.794322	-0.008350	-0.026679	-1.306868	0.209249	-0.330598	0.325856
686	14772	-0.814317	-0.002900	-0.031749	-1.408101	0.209339	-0.328296	0.305185
687	14793	-0.831750	0.000564	-0.035052	-1.499680	0.209231	-0.324956	0.287863
688	14815	-0.847527	0.002312	-0.036364	-1.580154	0.208111	-0.320438	0.274937
689	14836	-0.862603	0.002736	-0.035667	-1.648240	0.205172	-0.314647	0.266679
690	14858	-0.877771	0.002319	-0.033151	-1.703082	0.199813	-0.307545	0.262745
691	14879	-0.893477	0.001583	-0.029181	-1.744453	0.191806	-0.299157	0.262421
692	14901	-0.909708	0.001057	-0.024253	-1.772858	0.181378	-0.289560	0.264894
693	14923	-0.925983	0.001226	-0.018934	-1.789506	0.169188	-0.278863	0.269471
694	14944	-0.941443	0.002489	-0.013792	-1.796161	0.156202	-0.267189	0.275714
695	14966	-0.955032	0.005121	-0.009339	-1.794907	0.143494	-0.254662	0.283468
696	14987	-0.965721	0.009241	-0.005973	-1.787877	0.132007	-0.241393	0.292793
697	15009	-0.972737	0.014790	-0.003950	-1.777003	0.122329	-0.227489	0.303813
698	15030	-0.975743	0.021528	-0.003358	-1.763838	0.114539	-0.213059	0.316536
699	15052	-0.974915	0.029049	-0.004126	-1.749459	0.108158	-0.198232	0.330679
700	15073	-0.970930	0.036819	-0.006040	-1.734472	0.102212	-0.183165	0.345543
701	15095	-0.964826	0.044226	-0.008779	-1.719062	0.095413	-0.168046	0.359967
702	15116	-0.957805	0.050647	-0.011954	-1.703094	0.086412	-0.153084	0.372380
703	15138	-0.950987	0.055522	-0.015158	-1.686182	0.074083	-0.138486	0.380943
704	15159	-0.945196	0.058420	-0.018009	-1.667737	0.057778	-0.124427	0.383765
705	15181	-0.940792	0.059098	-0.020184	-1.646983	0.037502	-0.111015	0.379167
706	15202	-0.937615	0.057531	-0.021454	-1.622933	0.013972	-0.098263	0.365944
707	15224	-0.935013	0.053921	-0.021698	-1.594401	-0.011460	-0.086073	0.343595
708	15246	-0.931968	0.048677	-0.020909	-1.560031	-0.037009	-0.074246	0.312473
709	15267	-0.927274	0.042358	-0.019184	-1.518418	-0.060741	-0.062505	0.273836
710	15289	-0.919729	0.035609	-0.016716	-1.468285	-0.080908	-0.050542	0.229771
711	15310	-0.908299	0.029069	-0.013761	-1.408713	-0.096246	-0.038071	0.183003
712	15332	-0.892226	0.023293	-0.010613	-1.339378	-0.106215	-0.024891	0.136598
713	15353	-0.871063	0.018673	-0.007571	-1.260725	-0.111099	-0.010926	0.093600
714	15375	-0.844636	0.015389	-0.004907	-1.174052	-0.111976	0.003750	0.056643
715	15396	-0.812966	0.013386	-0.002840	-1.081426	-0.110538	0.018909	0.027606
716	15418	-0.776159	0.012386	-0.001508	-0.985472	-0.108807	0.034205	0.007346
717	15439	-0.734320	0.011930	-0.000962	-0.889029	-0.108778	0.049226	-0.004427
718	15461	-0.687496	0.011455	-0.001152	-0.794752	-0.112064	0.063559	-0.009116
719	15482	-0.635670	0.010376	-0.001941	-0.704738	-0.119604	0.076860	-0.009044
720	15504	-0.578807	0.008180	-0.003113	-0.620243	-0.131479	0.088912	-0.007111
721	15525	-0.516930	0.004513	-0.004405	-0.541562	-0.146881	0.099656	-0.006365
722	15547	-0.450206	-0.000763	-0.005533	-0.468086	-0.164237	0.109196	-0.009544
723	15569	-0.379018	-0.007541	-0.006227	-0.398529	-0.181477	0.117773	-0.018868
724	15590	-0.304009	-0.015472	-0.006267	-0.331261	-0.196386	0.125711	-0.034738
725	15612	-0.226065	-0.024012	-0.005511	-0.264675	-0.207002	0.133346	-0.057620
726	15633	-0.146263	-0.032493	-0.003913	-0.197505	-0.211971	0.140958	-0.086095
727	15655	-0.065776	-0.040218	-0.001539	-0.129026	-0.210796	0.148705	-0.118110
728	15676	0.014239	-0.046555	0.001447	-0.059096	-0.203949	0.156585	-0.151155
729	15698	0.092754	-0.051032	0.004793	0.011947	-0.192797	0.164424	-0.182703
730	15719	0.168965	-0.053400	0.008190	0.083501	-0.179375	0.171898	-0.210652
731	15741	0.242343	-0.053667	0.011312	0.154961	-0.166027	0.178580	-0.233659
732	15762	0.312657	-0.052092	0.013853	0.225938	-0.154989	0.184013	-0.251329
733	15784	0.379948	-0.049145	0.015567	0.296391	-0.147985	0.187768	-0.264230
734	15805	0.444471	-0.045431	0.016305	0.366625	-0.145904	0.189578	-0.273655
735	15827	0.506617	-0.041598	0.016030	0.437172	-0.148640	0.189270	-0.281401
736	15848	0.566814	-0.038241	0.014820	0.508570	-0.155096	0.186911	-0.289257
737	15870	0.625433	-0.035808	0.012891	0.581138	-0.163385	0.182749	-0.298649
738	15892	0.682693	-0.034538	0.010509	0.654780	-0.171178	0.177192	-0.310300
739	15913	0.738588	-0.034426	0.008019	0.728900	-0.176135	0.170756	-0.324039
740	15935	0.792833	-0.035229	0.005766	0.802451	-0.176350	0.163993	-0.338792
741	15956	0.844840	-0.036507	0.004064	0.874098	-0.170744	0.157422	-0.352740
742	15978	0.893736	-0.037687	0.003146	0.942470	-0.159153	0.151463	-0.363631
743	15999	0.938423	-0.038160	0.003142	1.006431	-0.142644	0.146386	-0.369175
744	16021	0.977676	-0.037369	0.004055	1.065288	-0.123079	0.142287	-0.367454
745	16042	1.010282	-0.034894	0.005758	1.118898	-0.102924	0.139083	-0.357276
746	16064	1.035202	-0.030521	0.008015	1.167630	-0.084785	0.136532	-0.338406
747	16085	1.051730	-0.024268	0.010500	1.212206	-0.070942	0.134279	-0.311651
748	16107	1.059535	-0.016395	0.012845	1.253499	-0.062933	0.131909	-0.278772
749	16128	1.059236	-0.007364	0.014679	1.291964	-0.061273	0.129003	-0.242262
750	16150	1.051430	0.002217	0.015678	1.328007	-0.065347	0.125202	-0.205015
751	16171	1.037609	0.011676	0.015598	1.361265	-0.073508	0.120249	-0.169953
752	16193	1.019505	0.020361	0.014321	1.390926	-0.083351	0.114023	-0.139671
753	16215	0.998974	0.027720	0.011858	1.415823	-0.092116	0.106552	-0.116134
754	16236	0.977742	0.033370	0.008358	1.434680	-0.097155	0.098005	-0.100493
755	16258	0.957163	0.037132	0.004095	1.446395	-0.096369	0.088671	-0.093011
756	16279	0.938024	0.039051	-0.000565	1.450284	-0.088546	0.078918	-0.093108
757	16301	0.920446	0.039376	-0.005194	1.446250	-0.073551	0.069145	-0.099509
758	16322	0.903887	0.038518	-0.009355	1.434699	-0.052324	0.059734	-0.110458
759	16344	0.887265	0.036992	-0.012645	1.416673	-0.026709	0.051006	-0.123966
760	16365	0.869171	0.035347	-0.014743	1.393183	0.000863	0.043183	-0.138056
761	16387	0.848142	0.034097	-0.015439	1.365541	0.027772	0.036369	-0.150975
762	16408	0.822941	0.033657	-0.014668	1.334592	0.051625	0.030546	-0.161353
763	16430	0.792806	0.034300	-0.012508	1.300786	0.070605	0.025585	-0.168295
764	16451	0.757598	0.036132	-0.009182	1.264065	0.083719	0.021270	-0.171410
765	16473	0.717853	0.039092	-0.005031	1.223914	0.090895	0.017343	-0.170772
766	16494	0.674699	0.042965	-0.000480	1.179508	0.092916	0.013536	-0.166834
767	16516	0.629683	0.047421	0.004008	1.129928	0.091232	0.009619	-0.160307
768	16538	0.584511	0.052058	0.007980	1.074369	0.087659	0.005432	-0.152020
769	16559	0.540778	0.056454	0.011045	1.012318	0.084054	0.000901	-0.142781
770	16581	0.499719	0.060216	0.012913	0.943658	0.081992	-0.003948	-0.133249
771	16602	0.462029	0.063015	0.013433	0.868694	0.082528	-0.008995	-0.123843
772	16624	0.427790	0.064624	0.012602	0.788099	0.086058	-0.014059	-0.114683
773	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
774	16667	0.367227	0.063933	0.007633	0.614022	0.100467	-0.023324	-0.096107
775	16688	0.338784	0.061749	0.004171	0.522892	0.109348	-0.027089	-0.085615
776	16710	0.310001	0.058574	0.000636	0.430688	0.117695	-0.030059	-0.073412
777	16731	0.279935	0.054665	-0.002519	0.338648	0.124419	-0.032155	-0.058860
778	16753	0.248050	0.050306	-0.004881	0.247985	0.128826	-0.033374	-0.041510
779	16774	0.214308	0.045770	-0.006129	0.159858	0.130741	-0.033784	-0.021202
780	16796	0.179164	0.041289	-0.006068	0.075329	0.130542	-0.033508	0.001865
781	16817	0.143483	0.037029	-0.004645	-0.004719	0.129073	-0.032697	0.027118
782	16839	0.108368	0.033066	-0.001957	-0.079681	0.127475	-0.031510	0.053646
783	16860	0.074971	0.029379	0.001765	-0.149338	0.126955	-0.030089	0.080292
784	16882	0.044289	0.025855	0.006186	-0.213919	0.128549	-0.028540	0.105775
785	16904	0.016998	0.022303	0.010909	-0.274115	0.132916	-0.026925	0.128842
786	16925	-0.006660	0.018480	0.015514	-0.331007	0.140210	-0.025260	0.148417
787	16947	-0.026904	0.014131	0.019611	-0.385897	0.150040	-0.023521	0.163723
788	16968	-0.044380	0.009029	0.022878	-0.440088	0.161545	-0.021660	0.174378
789	16990	-0.060054	0.003021	0.025088	-0.494626	0.173541	-0.019620	0.180422
790	17011	-0.075067	-0.003940	0.026129	-0.550073	0.184735	-0.017351	0.182308
791	17033	-0.090565	-0.011765	0.026006	-0.606348	0.193946	-0.014825	0.180817
792	17054	-0.107548	-0.020224	0.024832	-0.662691	0.200297	-0.012046	0.176956
793	17076	-0.126746	-0.028957	0.022802	-0.717749	0.203340	-0.009052	0.171813
794	17097	-0.148543	-0.037509	0.020168	-0.769794	0.203096	-0.005912	0.166419
795	17119	-0.172959	-0.045374	0.017205	-0.817007	0.200010	-0.002718	0.161621
796	17140	-0.199682	-0.052063	0.014183	-0.857803	0.194818	0.000427	0.157993
797	17162	-0.228145	-0.057167	0.011339	-0.891109	0.188381	0.003424	0.155782
798	17183	-0.257632	-0.060414	0.008855	-0.916552	0.181517	0.006192	0.154917
799	17205	-0.287392	-0.061717	0.006856	-0.934513	0.174849	0.008676	0.155051
800	17227	-0.316746	-0.061187	0.005400	-0.946052	0.168724	0.010856	0.155651
801	17248	-0.345175	-0.059133	0.004485	-0.952700	0.163201	0.012745	0.156105
802	17270	-0.372371	-0.056021	0.004059	-0.956183	0.158103	0.014387	0.155835
803	17291	-0.398253	-0.052416	0.004032	-0.958122	0.153112	0.015847	0.154403
804	17313	-0.422948	-0.048904	0.004290	-0.959766	0.147888	0.017201	0.151584
805	17334	-0.446739	-0.046014	0.004705	-0.961815	0.142162	0.018522	0.147407
806	17356	-0.469990	-0.044138	0.005143	-0.964345	0.135796	0.019868	0.142146
807	17377	-0.493063	-0.043481	0.005480	-0.966849	0.128777	0.021274	0.136279
808	17399	-0.516237	-0.044032	0.005597	-0.968375	0.121172	0.022746	0.130406
809	17420	-0.539640	-0.045569	0.005395	-0.967725	0.113037	0.024263	0.125156
810	17442	-0.563201	-0.047696	0.004792	-0.963674	0.104330	0.025779	0.121076
811	17463	-0.586641	-0.049908	0.003732	-0.955175	0.094848	0.027233	0.118548
812	17485	-0.609484	-0.051672	0.002190	-0.941511	0.084219	0.028558	0.117723
813	17506	-0.631114	-0.052511	0.000174	-0.922388	0.071951	0.029693	0.118494
814	17528	-0.650841	-0.052077	-0.002268	-0.897955	0.057553	0.030593	0.120509
815	17550	-0.668001	-0.050205	-0.005050	-0.868764	0.040676	0.031232	0.123226
816	17571	-0.682039	-0.046934	-0.008043	-0.835686	0.021264	0.031609	0.125991
817	17593	-0.692600	-0.042494	-0.011090	-0.799796	-0.000342	0.031738	0.128138
818	17614	-0.699584	-0.037264	-0.014011	-0.762242	-0.023370	0.031648	0.129082
819	17636	-0.703175	-0.031706	-0.016615	-0.724116	-0.046682	0.031368	0.128401
820	17657	-0.703822	-0.026288	-0.018726	-0.686338	-0.068928	0.030916	0.125884
821	17679	-0.702189	-0.021406	-0.020193	-0.649555	-0.088769	0.030296	0.121546
822	17700	-0.699067	-0.017324	-0.020911	-0.614075	-0.105123	0.029487	0.115604
823	17722	-0.695266	-0.014138	-0.020835	-0.579838	-0.117384	0.028445	0.108418
824	17743	-0.691503	-0.011768	-0.019984	-0.546428	-0.125559	0.027108	0.100416
825	17765	-0.688297	-0.009986	-0.018446	-0.513140	-0.130298	0.025409	0.092010
826	17786	-0.685904	-0.008458	-0.016368	-0.479090	-0.132783	0.023285	0.083525
827	17808	-0.684280	-0.006815	-0.013946	-0.443363	-0.134515	0.020693	0.075139
828	17829	-0.683102	-0.004716	-0.011400	-0.405174	-0.137020	0.017622	0.066871
829	17851	-0.681823	-0.001911	-0.008957	-0.364020	-0.141591	0.014102	0.058583
830	17873	-0.679763	0.001721	-0.006824	-0.319793	-0.148779	0.010200	0.050022
831	17894	-0.676222	0.006154	-0.005172	-0.272835	-0.158741	0.006022	0.040878
832	17916	-0.670580	0.011223	-0.004117	-0.223900	-0.170730	0.001693	0.030851
833	17937	-0.662389	0.016653	-0.003713	-0.174055	-0.183479	-0.002654	0.019712
834	17959	-0.651416	0.022109	-0.003950	-0.124503	-0.195420	-0.006898	0.007354
835	17980	-0.637649	0.027246	-0.004759	-0.076376	-0.205013	-0.010945	-0.006181
836	18002	-0.621262	0.031757	-0.006025	-0.030542	-0.211082	-0.014744	-0.020696
837	18023	-0.602538	0.035416	-0.007598	0.012554	-0.213086	-0.018286	-0.035849
838	18045	-0.581777	0.038096	-0.009317	0.052964	-0.211253	-0.021606	-0.051183
839	18066	-0.559205	0.039778	-0.011021	0.091215	-0.206564	-0.024769	-0.066162
840	18088	-0.534897	0.040538	-0.012564	0.128200	-0.200562	-0.027853	-0.080201
841	18109	-0.508735	0.040524	-0.013828	0.164989	-0.195052	-0.030930	-0.092712
842	18131	-0.480407	0.039929	-0.014727	0.202613	-0.191718	-0.034044	-0.103131
843	18152	-0.449440	0.038958	-0.015209	0.241863	-0.191768	-0.037195	-0.110957
844	18174	-0.415282	0.037801	-0.015255	0.283127	-0.195655	-0.040329	-0.115783
845	18196	-0.377381	0.036613	-0.014873	0.326326	-0.202948	-0.043340	-0.117339
846	18217	-0.335286	0.035501	-0.014095	0.370935	-0.212381	-0.046076	-0.115522
847	18239	-0.288728	0.034518	-0.012967	0.416092	-0.222072	-0.048361	-0.110441
848	18260	-0.237667	0.033659	-0.011550	0.460762	-0.229862	-0.050015	-0.102436
849	18282	-0.182324	0.032872	-0.009909	0.503927	-0.233728	-0.050878	-0.092077
850	18303	-0.123162	0.032058	-0.008116	0.544749	-0.232168	-0.050840	-0.080147
851	18325	-0.060853	0.031090	-0.006240	0.582687	-0.224496	-0.049851	-0.067576
852	18346	0.003778	0.029822	-0.004355	0.617531	-0.210976	-0.047934	-0.055358
853	18368	0.069817	0.028107	-0.002525	0.649364	-0.192782	-0.045178	-0.044432
854	18389	0.136316	0.025821	-0.000809	0.678468	-0.171784	-0.041730	-0.035568
855	18411	0.202346	0.022883	0.000743	0.705195	-0.150196	-0.037767	-0.029260
856	18432	0.267027	0.019273	0.002102	0.729838	-0.130176	-0.033473	-0.025652
857	18454	0.329552	0.015051	0.003254	0.752540	-0.113436	-0.029007	-0.024517
858	18475	0.389203	0.010366	0.004208	0.773250	-0.100943	-0.024478	-0.025300
859	18497	0.445356	0.005450	0.004995	0.791741	-0.092776	-0.019930	-0.027207
860	18519	0.497498	0.000599	0.005665	0.807674	-0.088152	-0.015334	-0.029355
861	18540	0.545230	-0.003853	0.006279	0.820692	-0.085618	-0.010590	-0.030934
862	18562	0.588287	-0.007575	0.006908	0.830514	-0.083364	-0.005549	-0.031360
863	18583	0.626543	-0.010276	0.007615	0.837004	-0.079600	-0.000036	-0.030397
864	18605	0.660012	-0.011794	0.008454	0.840199	-0.072905	0.006120	-0.028212
865	18626	0.688842	-0.012028	0.009456	0.840279	-0.062502	0.013054	-0.025352
866	18648	0.713291	-0.011053	0.010626	0.837504	-0.048387	0.020836	-0.022652
867	18669	0.733686	-0.009069	0.011941	0.832118	-0.031305	0.029457	-0.021073
868	18691	0.750390	-0.006382	0.013353	0.824245	-0.012570	0.038818	-0.021518
869	18712	0.763745	-0.003365	0.014794	0.813819	0.006214	0.048737	-0.024645
870	18734	0.774043	-0.000406	0.016186	0.800539	0.023491	0.058964	-0.030718
871	18755	0.781489	0.002145	0.017450	0.783883	0.038061	0.069205	-0.039530
872	18777	0.786197	0.004020	0.018518	0.763169	0.049313	0.079151	-0.050405
873	18798	0.788193	0.005072	0.019341	0.737650	0.057530	0.088507	-0.062287
874	18820	0.787435	0.005278	0.019898	0.706630	0.062849	0.097017	-0.073902
875	18842	0.783841	0.004735	0.020190	0.669581	0.067086	0.104479	-0.083952
876	18863	0.777313	0.003634	0.020246	0.626234	0.071468	0.110759	-0.091324
877	18885	0.767768	0.002216	0.020111	0.576642	0.077330	0.115785	-0.095261
878	18906	0.755144	0.000730	0.019840	0.521199	0.085630	0.119541	-0.095471
879	18928	0.739412	-0.000609	0.019485	0.460621	0.096741	0.122057	-0.092161
880	18949	0.720567	-0.001654	0.019091	0.395902	0.110372	0.123387	-0.085978
881	18971	0.698634	-0.002333	0.018685	0.328244	0.125607	0.123600	-0.077885
882	18992	0.673661	-0.002658	0.018277	0.258982	0.141076	0.122766	-0.068993
883	19014	0.645730	-0.002702	0.017856	0.189513	0.155202	0.120951	-0.060398
884	19035	0.614977	-0.002577	0.017398	0.121225	0.166491	0.118216	-0.052888
885	19057	0.581610	-0.002400	0.016871	0.055438	0.173795	0.114620	-0.047082
886	19078	0.545933	-0.002269	0.016242	-0.006649	0.176508	0.110224	-0.043157
887	19100	0.508359	-0.002240	0.015489	-0.064006	0.174656	0.105101	-0.040798
888	19121	0.469405	-0.002324	0.014602	-0.115813	0.168874	0.099337	-0.039648
889	19143	0.429671	-0.002483	0.013589	-0.161501	0.160267	0.093036	-0.039034
890	19165	0.389792	-0.002653	0.012478	-0.200779	0.150210	0.086314	-0.038307
891	19186	0.350380	-0.002755	0.011308	-0.233643	0.140093	0.079300	-0.036931
892	19208	0.311953	-0.002723	0.010127	-0.260374	0.131101	0.072124	-0.034590
893	19229	0.274880	-0.002520	0.008984	-0.281504	0.124029	0.064910	-0.031229
894	19251	0.239336	-0.002145	0.007922	-0.297759	0.119194	0.057769	-0.027059
895	19272	0.205298	-0.001637	0.006967	-0.309984	0.116432	0.050789	-0.022502
896	19294	0.172561	-0.001065	0.006130	-0.319052	0.115189	0.044037	-0.018097
897	19315	0.140802	-0.000512	0.005404	-0.325774	0.114668	0.037553	-0.014396
898	19337	0.109652	-0.000059	0.004764	-0.330818	0.114010	0.031354	-0.011853
899	19358	0.078783	0.000236	0.004174	-0.334660	0.112469	0.025436	-0.010743
900	19380	0.047990	0.000349	0.003593	-0.337552	0.109546	0.019782	-0.011112
901	19401	0.017241	0.000298	0.002981	-0.339541	0.105061	0.014363	-0.012766
902	19423	-0.013304	0.000136	0.002310	-0.340504	0.099160	0.009152	-0.015313
903	19444	-0.043304	-0.000057	0.001562	-0.340216	0.092252	0.004111	-0.018225
904	19466	-0.072296	-0.000191	0.000738	-0.338421	0.084909	-0.000790	-0.020927
905	19488	-0.099764	-0.000186	-0.000147	-0.334912	0.077734	-0.005576	-0.022896
906	19509	-0.125227	0.000011	-0.001063	-0.329576	0.071243	-0.010262	-0.023736
907	19531	-0.148310	0.000416	-0.001973	-0.322437	0.065769	-0.014855	-0.023234
908	19552	-0.168798	0.001000	-0.002834	-0.313651	0.061416	-0.019348	-0.021388
909	19574	-0.186658	0.001697	-0.003609	-0.303491	0.058057	-0.023719	-0.018390
910	19595	-0.202024	0.002411	-0.004266	-0.292301	0.055382	-0.027929	-0.014580
911	19617	-0.215156	0.003032	-0.004786	-0.280444	0.052972	-0.031929	-0.010385
912	19638	-0.226379	0.003461	-0.005161	-0.268256	0.050394	-0.035657	-0.006235
913	19660	-0.236018	0.003615	-0.005396	-0.256002	0.047286	-0.039047	-0.002494
914	19681	-0.244322	0.003463	-0.005506	-0.243856	0.043424	-0.042035	0.000599
915	19703	-0.251453	0.002999	-0.005510	-0.231900	0.038756	-0.044569	0.002959
916	19724	-0.257441	0.002272	-0.005433	-0.220140	0.033399	-0.046613	0.004663
917	19746	-0.262207	0.001366	-0.005295	-0.208531	0.027609	-0.048159	0.005917
918	19767	-0.265595	0.000385	-0.005116	-0.197016	0.021723	-0.049225	0.007013
919	19789	-0.267419	-0.000559	-0.004907	-0.185546	0.016091	-0.049857	0.008266
920	19811	-0.267508	-0.001365	-0.004674	-0.174108	0.011016	-0.050125	0.009957
921	19832	-0.265759	-0.001954	-0.004416	-0.162723	0.006701	-0.050114	0.012277
922	19854	-0.262157	-0.002281	-0.004129	-0.151443	0.003223	-0.049915	0.015302
923	19875	-0.256793	-0.002335	-0.003806	-0.140330	0.000532	-0.049614	0.018981
924	19897	-0.249850	-0.002143	-0.003440	-0.129441	-0.001530	-0.049282	0.023150
925	19918	-0.241585	-0.001758	-0.003028	-0.118805	-0.003185	-0.048965	0.027573
926	19940	-0.232290	-0.001247	-0.002568	-0.108416	-0.004681	-0.048683	0.031978
927	19961	-0.222258	-0.000686	-0.002067	-0.098238	-0.006238	-0.048430	0.036107
928	19983	-0.211748	-0.000144	-0.001532	-0.088210	-0.008012	-0.048179	0.039754
929	20004	-0.200966	0.000325	-0.000979	-0.078273	-0.010079	-0.047885	0.042794
930	20026	-0.190050	0.000686	-0.000423	-0.068390	-0.012422	-0.047505	0.045182
931	20047	-0.179076	0.000923	0.000114	-0.058563	-0.014952	-0.046995	0.046953
932	20069	-0.168067	0.001041	0.000615	-0.048845	-0.017528	-0.046329	0.048199
933	20090	-0.157020	0.001054	0.001061	-0.039332	-0.019994	-0.045497	0.049036
934	20112	-0.145924	0.000987	0.001437	-0.030153	-0.022208	-0.044509	0.049583
935	20134	-0.134784	0.000864	0.001732	-0.021441	-0.024071	-0.043392	0.049931
936	20155	-0.123636	0.000705	0.001939	-0.013312	-0.025542	-0.042182	0.050135
937	20177	-0.112556	0.000524	0.002057	-0.005835	-0.026636	-0.040921	0.050209
938	20198	-0.101655	0.000327	0.002091	0.000976	-0.027419	-0.039643	0.050133
939	20220	-0.091071	0.000113	0.002048	0.007166	-0.027985	-0.038373	0.049862
940	20241	-0.080955	-0.000119	0.001944	0.012822	-0.028435	-0.037118	0.049350
941	20263	-0.071449	-0.000374	0.001794	0.018055	-0.028849	-0.035869	0.048556
942	20284	-0.062673	-0.000651	0.001617	0.022965	-0.029278	-0.034602	0.047458
943	20306	-0.054706	-0.000942	0.001434	0.027623	-0.029727	-0.033285	0.046059
944	20327	-0.047583	-0.001233	0.001263	0.032045	-0.030165	-0.031883	0.044380
945	20349	-0.041291	-0.001506	0.001121	0.036194	-0.030534	-0.030370	0.042461
946	20370	-0.035776	-0.001735	0.001019	0.039986	-0.030769	-0.028729	0.040348
947	20392	-0.030952	-0.001898	0.000967	0.043311	-0.030814	-0.026961	0.038092
948	20413	-0.026718	-0.001975	0.000967	0.046064	-0.030637	-0.025083	0.035737
949	20435	-0.022969	-0.001953	0.001016	0.048168	-0.030241	-0.023129	0.033321
950	20457	-0.019611	-0.001829	0.001106	0.049594	-0.029662	-0.021139	0.030873
951	20478	-0.016569	-0.001612	0.001227	0.050373	-0.028956	-0.019158	0.028414
952	20500	-0.013788	-0.001319	0.001365	0.050587	-0.028192	-0.017227	0.025956
953	20521	-0.011237	-0.000976	0.001505	0.050351	-0.027424	-0.015373	0.023506
954	20543	-0.008902	-0.000612	0.001633	0.049788	-0.026686	-0.013611	0.021061
955	20564	-0.006781	-0.000260	0.001739	0.049004	-0.025977	-0.011941	0.018613
956	20586	-0.004876	0.000055	0.001814	0.048064	-0.025262	-0.010347	0.016144
957	20607	-0.003188	0.000310	0.001855	0.046982	-0.024481	-0.008807	0.013634
958	20629	-0.001714	0.000494	0.001863	0.045723	-0.023564	-0.007297	0.011064
959	20650	-0.000442	0.000603	0.001841	0.044217	-0.022448	-0.005796	0.008420
960	20672	0.000643	0.000645	0.001799	0.042381	-0.021092	-0.004293	0.005705
961	20693	0.001561	0.000631	0.001744	0.040144	-0.019493	-0.002794	0.002943
962	20715	0.002332	0.000582	0.001688	0.037470	-0.017686	-0.001315	0.000182
963	20736	0.002977	0.000516	0.001639	0.034368	-0.015739	0.000111	-0.002502
964	20758	0.003510	0.000454	0.001604	0.030902	-0.013744	0.001447	-0.005013
965	20780	0.003944	0.000413	0.001587	0.027176	-0.011797	0.002650	-0.007244
966	20801	0.004285	0.000406	0.001589	0.023322	-0.009981	0.003682	-0.009092
967	20823	0.004538	0.000439	0.001608	0.019481	-0.008355	0.004516	-0.010472
968	20844	0.004709	0.000514	0.001639	0.015779	-0.006942	0.005135	-0.011333
969	20866	0.004801	0.000627	0.001677	0.012321	-0.005734	0.005540	-0.011664
970	20887	0.004818	0.000769	0.001714	0.009175	-0.004695	0.005742	-0.011500
971	20909	0.004767	0.000929	0.001746	0.006383	-0.003778	0.005765	-0.010919
972	20930	0.004656	0.001094	0.001768	0.003958	-0.002933	0.005641	-0.010032
973	20952	0.004492	0.001251	0.001777	0.001898	-0.002125	0.005404	-0.008966
974	20973	0.004284	0.001389	0.001773	0.000194	-0.001338	0.005084	-0.007850
975	20995	0.004042	0.001500	0.001758	-0.001164	-0.000577	0.004711	-0.006797
976	21016	0.003774	0.001578	0.001734	-0.002190	0.000134	0.004308	-0.005893
977	21038	0.003491	0.001621	0.001706	-0.002900	0.000763	0.003889	-0.005187
978	21059	0.003199	0.001634	0.001676	-0.003319	0.001282	0.003466	-0.004688
979	21081	0.002908	0.001621	0.001650	-0.003485	0.001669	0.003047	-0.004377
980	21103	0.002624	0.001589	0.001628	-0.003449	0.001922	0.002634	-0.004205
981	21124	0.002353	0.001548	0.001612	-0.003273	0.002054	0.002233	-0.004111
982	21146	0.002096	0.001502	0.001602	-0.003020	0.002092	0.001846	-0.004035
983	21167	0.001854	0.001456	0.001598	-0.002750	0.002070	0.001478	-0.003921
984	21189	0.001628	0.001410	0.001597	-0.002508	0.002021	0.001132	-0.003733
985	21210	0.001414	0.001363	0.001598	-0.002317	0.001968	0.000812	-0.003450
986	21232	0.001209	0.001309	0.001600	-0.002178	0.001925	0.000520	-0.003073
987	21253	0.001012	0.001243	0.001601	-0.002074	0.001891	0.000258	-0.002617
988	21275	0.000819	0.001159	0.001602	-0.001977	0.001857	0.000025	-0.002110
989	21296	0.000631	0.001056	0.001601	-0.001861	0.001809	-0.000179	-0.001579
990	21318	0.000449	0.000933	0.001599	-0.001707	0.001737	-0.000356	-0.001053
991	21339	0.000273	0.000796	0.001597	-0.001513	0.001638	-0.000508	-0.000551
992	21361	0.000107	0.000654	0.001594	-0.001292	0.001514	-0.000638	-0.000082
993	21382	-0.000049	0.000518	0.001589	-0.001073	0.001379	-0.000749	0.000356
994	21404	-0.000194	0.000399	0.001583	-0.000885	0.001246	-0.000843	0.000775
995	21426	-0.000328	0.000307	0.001575	-0.000756	0.001132	-0.000921	0.001192
996	21447	-0.000453	0.000247	0.001565	-0.000696	0.001046	-0.000987	0.001624
997	21469	-0.000569	0.000222	0.001552	-0.000700	0.000988	-0.001043	0.002083
998	21490	-0.000679	0.000226	0.001537	-0.000747	0.000952	-0.001093	0.002574
999	21512	-0.000782	0.000250	0.001523	-0.000802	0.000924	-0.001138	0.003087
1000	21533	-0.000879	0.000283	0.001509	-0.000831	0.000889	-0.001180	0.003602
1001	21555	-0.000969	0.000313	0.001497	-0.000808	0.000835	-0.001221	0.004089
1002	21576	-0.001051	0.000329	0.001490	-0.000722	0.000757	-0.001261	0.004514
1003	21598	-0.001125	0.000326	0.001488	-0.000582	0.000659	-0.001298	0.004844
1004	21619	-0.001188	0.000300	0.001490	-0.000413	0.000551	-0.001332	0.005056
1005	21641	-0.001243	0.000257	0.001497	-0.000249	0.000448	-0.001359	0.005143
1006	21662	-0.001289	0.000202	0.001506	-0.000124	0.000366	-0.001378	0.005114
1007	21684	-0.001329	0.000147	0.001514	-0.000062	0.000315	-0.001389	0.004995
1008	21705	-0.001364	0.000100	0.001521	-0.000069	0.000297	-0.001391	0.004827
1009	21727	-0.001395	0.000072	0.001523	-0.000133	0.000305	-0.001387	0.004655
1010	21749	-0.001424	0.000066	0.001520	-0.000226	0.000325	-0.001379	0.004519
1011	21770	-0.001449	0.000083	0.001513	-0.000313	0.000341	-0.001368	0.004453
1012	21792	-0.001472	0.000121	0.001503	-0.000363	0.000339	-0.001359	0.004467
1013	21813	-0.001492	0.000173	0.001493	-0.000356	0.000308	-0.001351	0.004555
1014	21835	-0.001510	0.000230	0.001487	-0.000290	0.000251	-0.001345	0.004691
1015	21856	-0.001527	0.000282	0.001488	-0.000182	0.000176	-0.001341	0.004837
1016	21878	-0.001544	0.000323	0.001500	-0.000060	0.000098	-0.001337	0.004953
1017	21899	-0.001561	0.000347	0.001522	0.000042	0.000035	-0.001332	0.005003
1018	21921	-0.001581	0.000353	0.001555	0.000095	-0.000000	-0.001323	0.004968
1019	21942	-0.001602	0.000342	0.001596	0.000087	0.000000	-0.001311	0.004849
1020	21964	-0.001624	0.000320	0.001641	0.000021	0.000032	-0.001297	0.004665
1021	21985	-0.001644	0.000292	0.001684	-0.000083	0.000085	-0.001282	0.004454
1022	22007	-0.001662	0.000266	0.001720	-0.000192	0.000141	-0.001269	0.004260
1023	22028	-0.001673	0.000247	0.001743	-0.000274	0.000183	-0.001260	0.004123

Subject 17 left FFT

		Subject 17 0,0	Subject 17 36,0	Subject 17 72,0	Subject 17 36,16	Subject 17 36,48	Subject 17 36,80	Subject 17 36,112
0	0	-0.344297	-0.402236	-0.515492	-0.419799	-0.368191	-0.387609	-0.493816
1	22	-0.344924	-0.403672	-0.510647	-0.420827	-0.373255	-0.385553	-0.485508
2	43	-0.346681	-0.407067	-0.495768	-0.422529	-0.386129	-0.378904	-0.461346
3	65	-0.349092	-0.409841	-0.469914	-0.421062	-0.400381	-0.366327	-0.423475
4	86	-0.351076	-0.408198	-0.431796	-0.410955	-0.406903	-0.345934	-0.375023
5	108	-0.350660	-0.397784	-0.380143	-0.386313	-0.395961	-0.315710	-0.319516
6	129	-0.344790	-0.374432	-0.314120	-0.342140	-0.359400	-0.273984	-0.260258
7	151	-0.329414	-0.334860	-0.233703	-0.275514	-0.292535	-0.219851	-0.199772
8	172	-0.299871	-0.277204	-0.139960	-0.186376	-0.195315	-0.153449	-0.139442
9	194	-0.251608	-0.201294	-0.035169	-0.077772	-0.072531	-0.076049	-0.079411
10	215	-0.181087	-0.108652	0.077249	0.044494	0.066963	0.010056	-0.018759
11	237	-0.086694	-0.002218	0.192980	0.172744	0.211822	0.101835	0.044089
12	258	0.030564	0.114109	0.307207	0.298640	0.350230	0.195925	0.110811
13	280	0.166784	0.236031	0.415090	0.414516	0.471912	0.289049	0.182608
14	301	0.315416	0.359382	0.512245	0.514553	0.569744	0.378386	0.259732
15	323	0.468055	0.480539	0.595166	0.595577	0.640625	0.461815	0.341192
16	345	0.615621	0.596653	0.661514	0.657330	0.685495	0.537998	0.424732
17	366	0.749743	0.705666	0.710240	0.702182	0.708555	0.606297	0.507054
18	388	0.864033	0.806152	0.741535	0.734359	0.715923	0.666575	0.584257
19	409	0.955009	0.897036	0.756618	0.758849	0.714075	0.718928	0.652412
20	431	1.022471	0.977284	0.757415	0.780220	0.708433	0.763436	0.708148
21	452	1.069249	1.045650	0.746186	0.801578	0.702409	0.799983	0.749160
22	474	1.100385	1.100547	0.725168	0.823886	0.697082	0.828203	0.774542
23	495	1.121934	1.140084	0.696283	0.845748	0.691508	0.847546	0.784881
24	517	1.139627	1.162265	0.660966	0.863704	0.683521	0.857465	0.782110
25	538	1.157689	1.165308	0.620116	0.872959	0.670771	0.857647	0.769134
26	560	1.178026	1.148018	0.574176	0.868392	0.651694	0.848238	0.749294
27	581	1.199950	1.110124	0.523299	0.845648	0.626168	0.829995	0.725749
28	603	1.220439	1.052513	0.467567	0.802090	0.595673	0.804308	0.700873
29	624	1.234869	0.977290	0.407211	0.737457	0.562966	0.773078	0.675761
30	646	1.238028	0.887660	0.342775	0.654083	0.531355	0.738475	0.649924
31	668	1.225193	0.787627	0.275204	0.556676	0.503810	0.702595	0.621234
32	689	1.193043	0.681571	0.205832	0.451698	0.482148	0.667112	0.586146
33	711	1.140267	0.573761	0.136280	0.346463	0.466531	0.632983	0.540193
34	732	1.067750	0.467900	0.068273	0.248129	0.455406	0.600278	0.478713
35	754	0.978362	0.366759	0.003433	0.162749	0.445893	0.568165	0.397718
36	775	0.876429	0.271960	-0.056932	0.094528	0.434532	0.535080	0.294793
37	797	0.767004	0.183941	-0.111994	0.045395	0.418158	0.499029	0.169887
38	818	0.655109	0.102086	-0.161492	0.014918	0.394685	0.457981	0.025850
39	840	0.545063	0.024992	-0.205744	0.000559	0.363576	0.410275	-0.131421
40	861	0.440014	-0.049176	-0.245560	-0.001822	0.325876	0.354960	-0.293297
41	883	0.341713	-0.122312	-0.282091	0.002696	0.283810	0.292001	-0.449243
42	904	0.250519	-0.196020	-0.316635	0.008806	0.240052	0.222326	-0.588067
43	926	0.165621	-0.271351	-0.350431	0.011617	0.196870	0.147687	-0.699472
44	947	0.085387	-0.348648	-0.384469	0.007172	0.155409	0.070396	-0.775674
45	969	0.007782	-0.427503	-0.419360	-0.007212	0.115291	-0.007046	-0.812830
46	991	-0.069208	-0.506819	-0.455255	-0.032794	0.074690	-0.082321	-0.811996
47	1012	-0.147208	-0.584958	-0.491844	-0.069418	0.030850	-0.153628	-0.779390
48	1034	-0.227177	-0.659941	-0.528411	-0.115666	-0.019057	-0.219893	-0.725841
49	1055	-0.309240	-0.729669	-0.563939	-0.169095	-0.076979	-0.280845	-0.665406
50	1077	-0.392648	-0.792146	-0.597241	-0.226548	-0.143187	-0.336940	-0.613335
51	1098	-0.475871	-0.845669	-0.627103	-0.284473	-0.215882	-0.389163	-0.583650
52	1120	-0.556798	-0.888983	-0.652410	-0.339268	-0.291329	-0.438756	-0.586756
53	1141	-0.633035	-0.921387	-0.672251	-0.387605	-0.364542	-0.486920	-0.627480
54	1163	-0.702256	-0.942785	-0.686000	-0.426732	-0.430365	-0.534558	-0.703949
55	1184	-0.762557	-0.953691	-0.693349	-0.454742	-0.484708	-0.582096	-0.807540
56	1206	-0.812766	-0.955174	-0.694329	-0.470773	-0.525620	-0.629414	-0.924005
57	1227	-0.852639	-0.948757	-0.689292	-0.475129	-0.553924	-0.675885	-1.035624
58	1249	-0.882922	-0.936286	-0.678876	-0.469298	-0.573211	-0.720502	-1.124068
59	1270	-0.905239	-0.919754	-0.663952	-0.455845	-0.589154	-0.762073	-1.173493
60	1292	-0.921839	-0.901130	-0.645558	-0.438198	-0.608267	-0.799429	-1.173310
61	1314	-0.935223	-0.882179	-0.624817	-0.420313	-0.636364	-0.831615	-1.120134
62	1335	-0.947732	-0.864326	-0.602846	-0.406279	-0.677082	-0.858027	-1.018515
63	1357	-0.961164	-0.848552	-0.580654	-0.399892	-0.730807	-0.878490	-0.880303
64	1378	-0.976498	-0.835355	-0.559041	-0.404249	-0.794289	-0.893255	-0.722712
65	1400	-0.993767	-0.824779	-0.538512	-0.421426	-0.861066	-0.902940	-0.565419
66	1421	-1.012121	-0.816492	-0.519202	-0.452269	-0.922638	-0.908435	-0.427206
67	1443	-1.030051	-0.809915	-0.500845	-0.496330	-0.970170	-0.910778	-0.322748
68	1464	-1.045725	-0.804365	-0.482776	-0.551950	-0.996345	-0.911037	-0.260146
69	1486	-1.057388	-0.799191	-0.463999	-0.616465	-0.996977	-0.910214	-0.239633
70	1507	-1.063722	-0.793878	-0.443285	-0.686512	-0.972019	-0.909169	-0.253708
71	1529	-1.064125	-0.788097	-0.419331	-0.758378	-0.925728	-0.908574	-0.288662
72	1550	-1.058841	-0.781698	-0.390929	-0.828360	-0.865946	-0.908892	-0.327187
73	1572	-1.048945	-0.774643	-0.357142	-0.893079	-0.802626	-0.910375	-0.351601
74	1593	-1.036193	-0.766905	-0.317459	-0.949736	-0.745935	-0.913063	-0.347068
75	1615	-1.022768	-0.758354	-0.271899	-0.996285	-0.704308	-0.916796	-0.304244
76	1637	-1.010986	-0.748654	-0.221053	-1.031521	-0.682888	-0.921223	-0.220858
77	1658	-1.003009	-0.737209	-0.166051	-1.055103	-0.682660	-0.925813	-0.101993
78	1680	-1.000602	-0.723169	-0.108453	-1.067505	-0.700452	-0.929870	0.040953
79	1701	-1.004960	-0.705504	-0.050079	-1.069931	-0.729773	-0.932568	0.192396
80	1723	-1.016616	-0.683135	0.007189	-1.064186	-0.762302	-0.932985	0.335334
81	1744	-1.035404	-0.655118	0.061624	-1.052513	-0.789662	-0.930162	0.454257
82	1766	-1.060479	-0.620821	0.111841	-1.037404	-0.805125	-0.923178	0.537640
83	1787	-1.090359	-0.580094	0.156935	-1.021382	-0.804860	-0.911224	0.579618
84	1809	-1.122994	-0.533377	0.196542	-1.006760	-0.788503	-0.893688	0.580585
85	1830	-1.155859	-0.481730	0.230830	-0.995391	-0.758960	-0.870225	0.546681
86	1852	-1.186080	-0.426781	0.260405	-0.988433	-0.721521	-0.840812	0.488326
87	1873	-1.210602	-0.370580	0.286165	-0.986149	-0.682545	-0.805773	0.418143
88	1895	-1.226411	-0.315388	0.309114	-0.987786	-0.648007	-0.765763	0.348647
89	1916	-1.230803	-0.263429	0.330179	-0.991546	-0.622248	-0.721715	0.290142
90	1938	-1.221670	-0.216627	0.350051	-0.994678	-0.607185	-0.674746	0.249137
91	1960	-1.197783	-0.176377	0.369079	-0.993703	-0.602113	-0.626021	0.227508
92	1981	-1.159008	-0.143378	0.387229	-0.984732	-0.604096	-0.576606	0.222470
93	2003	-1.106414	-0.117542	0.404119	-0.963882	-0.608800	-0.527314	0.227289
94	2024	-1.042244	-0.098003	0.419114	-0.927708	-0.611552	-0.478571	0.232547
95	2046	-0.969722	-0.083215	0.431462	-0.873620	-0.608332	-0.430330	0.227737
96	2067	-0.892710	-0.071128	0.440456	-0.800226	-0.596514	-0.382053	0.202928
97	2089	-0.815264	-0.059418	0.445579	-0.707545	-0.575174	-0.332769	0.150283
98	2110	-0.741141	-0.045740	0.446615	-0.597072	-0.544981	-0.281225	0.065270
99	2132	-0.673341	-0.027978	0.443711	-0.471678	-0.507716	-0.226103	-0.052561
100	2153	-0.613754	-0.004451	0.437370	-0.335368	-0.465620	-0.166286	-0.199268
101	2175	-0.562968	0.025945	0.428389	-0.192912	-0.420745	-0.101131	-0.369694
102	2196	-0.520279	0.063668	0.417739	-0.049416	-0.374485	-0.030693	-0.543116
103	2218	-0.483884	0.108550	0.406431	0.090127	-0.327401	0.044131	-0.714315
104	2239	-0.451238	0.159888	0.395361	0.221258	-0.279343	0.121591	-0.864995
105	2261	-0.419489	0.216604	0.385194	0.340387	-0.229804	0.199220	-0.980438
106	2283	-0.385935	0.277423	0.376272	0.445024	-0.178365	0.274113	-1.048255
107	2304	-0.348400	0.341066	0.368586	0.533892	-0.125079	0.343313	-1.060010
108	2326	-0.305489	0.406413	0.361803	0.606918	-0.070652	0.404255	-1.012515
109	2347	-0.256660	0.472602	0.355345	0.665124	-0.016375	0.455189	-0.908544
110	2369	-0.202129	0.539076	0.348499	0.710433	0.036194	0.495503	-0.756793
111	2390	-0.142629	0.605535	0.340556	0.745436	0.085695	0.525888	-0.570986
112	2412	-0.079080	0.671839	0.330931	0.773120	0.131434	0.548289	-0.368149
113	2433	-0.012246	0.737853	0.319268	0.796619	0.173700	0.565652	-0.166265
114	2455	0.057556	0.803293	0.305496	0.818976	0.213821	0.581476	0.018385
115	2476	0.130616	0.867581	0.289840	0.842945	0.253916	0.599272	0.173738
116	2498	0.207851	0.929762	0.272774	0.870835	0.296386	0.621981	0.293877
117	2519	0.290644	0.988496	0.254937	0.904403	0.343273	0.651497	0.379960
118	2541	0.380560	1.042144	0.237024	0.944776	0.395668	0.688356	0.439896
119	2562	0.478968	1.088929	0.219656	0.992422	0.453322	0.731672	0.486769
120	2584	0.586647	1.127172	0.203277	1.047132	0.514612	0.779332	0.536172
121	2606	0.703455	1.155534	0.188071	1.108041	0.576878	0.828428	0.602986
122	2627	0.828120	1.173261	0.173924	1.173661	0.637095	0.875838	0.698135
123	2649	0.958205	1.180355	0.160441	1.241926	0.692694	0.918859	0.826014
124	2670	1.090269	1.177655	0.147006	1.310271	0.742346	0.955768	0.983129
125	2692	1.220209	1.166801	0.132882	1.375730	0.786485	0.986191	1.158302
126	2713	1.343739	1.150086	0.117342	1.435060	0.827402	1.011214	1.334485
127	2735	1.456941	1.130203	0.099798	1.484907	0.868850	1.033197	1.491894
128	2756	1.556797	1.109936	0.079924	1.522009	0.915215	1.055327	1.611885
129	2778	1.641614	1.091824	0.057736	1.543422	0.970424	1.080987	1.680829
130	2799	1.711280	1.077865	0.033637	1.546774	1.036834	1.113056	1.693159
131	2821	1.767274	1.069286	0.008402	1.530515	1.114381	1.153272	1.652962
132	2842	1.812435	1.066419	-0.016888	1.494140	1.200202	1.201796	1.573690
133	2864	1.850500	1.068697	-0.040959	1.438358	1.288860	1.257036	1.475996
134	2885	1.885485	1.074754	-0.062487	1.365177	1.373165	1.315792	1.384045
135	2907	1.920991	1.082620	-0.080259	1.277875	1.445425	1.373687	1.321005
136	2929	1.959565	1.089962	-0.093316	1.180852	1.498877	1.425805	1.304573
137	2950	2.002217	1.094346	-0.101082	1.079363	1.528993	1.467423	1.343461
138	2972	2.048182	1.093467	-0.103441	0.979144	1.534359	1.494706	1.435525
139	2993	2.094999	1.085333	-0.100759	0.885964	1.516933	1.505237	1.567949
140	3015	2.138882	1.068371	-0.093857	0.805160	1.481625	1.498302	1.719449
141	3036	2.175354	1.041464	-0.083918	0.741184	1.435281	1.474889	1.864058
142	3058	2.200020	1.003928	-0.072360	0.697224	1.385298	1.437412	1.975742
143	3079	2.209357	0.955440	-0.060680	0.674939	1.338186	1.389232	2.032902
144	3101	2.201368	0.895952	-0.050287	0.674324	1.298386	1.334075	2.021675
145	3122	2.175984	0.825600	-0.042350	0.693718	1.267609	1.275454	1.938756
146	3144	2.135124	0.744651	-0.037678	0.729945	1.244831	1.216198	1.789211
147	3165	2.082394	0.653463	-0.036644	0.778570	1.226909	1.158166	1.586405
148	3187	2.022487	0.552491	-0.039163	0.834217	1.209666	1.102159	1.347553
149	3208	1.960365	0.442319	-0.044720	0.890951	1.189154	1.048037	1.089874
150	3230	1.900399	0.323707	-0.052457	0.942648	1.162779	0.994964	0.826869
151	3252	1.845604	0.197633	-0.061282	0.983375	1.130021	0.941733	0.565728
152	3273	1.797117	0.065337	-0.070017	1.007735	1.092543	0.887061	0.306398
153	3295	1.754020	-0.071672	-0.077533	1.011177	1.053694	0.829834	0.042462
154	3316	1.713514	-0.211634	-0.082887	0.990277	1.017507	0.769217	-0.236285
155	3338	1.671432	-0.352588	-0.085419	0.942970	0.987463	0.704680	-0.540616
156	3359	1.622962	-0.492459	-0.084815	0.868730	0.965296	0.635916	-0.878090
157	3381	1.563470	-0.629160	-0.081132	0.768673	0.950259	0.562743	-1.250291
158	3402	1.489263	-0.760712	-0.074769	0.645559	0.938876	0.485014	-1.651307
159	3424	1.398184	-0.885361	-0.066408	0.503670	0.925443	0.402586	-2.067952
160	3445	1.289827	-1.001683	-0.056929	0.348535	0.903094	0.313368	-2.481668
161	3467	1.165753	-1.108649	-0.047308	0.186516	0.865216	0.223436	-2.871658
162	3488	1.029032	-1.205658	-0.038517	0.024247	0.806905	0.127170	-3.213649
163	3510	0.883893	-1.292514	-0.031432	-0.131993	0.726113	0.027383	-3.507733
164	3531	0.735137	-1.369337	-0.026765	-0.276943	0.624207	-0.074638	-3.731641
165	3553	0.587552	-1.436444	-0.025022	-0.406940	0.505810	-0.177197	-3.890440
166	3575	0.445404	-1.494176	-0.026494	-0.520349	0.377912	-0.278388	-3.991004
167	3596	0.312032	-1.542725	-0.031266	-0.617749	0.248467	-0.376397	-4.044438
168	3618	0.189584	-1.581979	-0.039257	-0.701845	0.124751	-0.469851	-4.062722
169	3639	0.078884	-1.611419	-0.050262	-0.777083	0.011857	-0.558156	-4.055310
170	3661	-0.020583	-1.630095	-0.064008	-0.849007	-0.088340	-0.641725	-4.026469
171	3682	-0.110602	-1.636709	-0.080202	-0.923454	-0.177521	-0.722041	-3.974011
172	3704	-0.194066	-1.629798	-0.098561	-1.005681	-0.260488	-0.801508	-3.889731
173	3725	-0.274748	-1.608004	-0.118836	-1.099579	-0.344039	-0.883111	-3.761469
174	3747	-0.356991	-1.570399	-0.140813	-1.207077	-0.435412	-0.969913	-3.576333
175	3768	-0.445324	-1.516799	-0.164299	-1.327839	-0.540622	-1.064490	-3.324337
176	3790	-0.544013	-1.448027	-0.189094	-1.459306	-0.663054	-1.168395	-3.001607
177	3811	-0.656584	-1.366038	-0.214964	-1.597069	-0.802609	-1.281769	-2.612386
178	3833	-0.785360	-1.273887	-0.241610	-1.735504	-0.955473	-1.403168	-2.169337
179	3854	-0.931088	-1.175505	-0.268640	-1.868568	-1.115222	-1.529654	-1.693021
180	3876	-1.092719	-1.075304	-0.295567	-1.990625	-1.273018	-1.657146	-1.203843
181	3898	-1.267392	-0.977649	-0.321806	-2.097149	-1.420141	-1.780959	-0.728106
182	3919	-1.450655	-0.886287	-0.346699	-2.185209	-1.549012	-1.896453	-0.284018
183	3941	-1.636902	-0.803819	-0.369552	-2.253662	-1.654520	-1.999665	0.116461
184	3962	-1.819979	-0.731312	-0.389670	-2.303043	-1.734700	-2.087805	0.470254
185	3984	-1.993865	-0.668133	-0.406416	-2.335182	-1.790775	-2.159543	0.782902
186	4005	-2.153329	-0.612053	-0.419244	-2.352560	-1.826592	-2.215026	1.066461
187	4027	-2.294463	-0.559623	-0.427739	-2.358189	-1.847617	-2.255633	1.336002
188	4048	-2.415011	-0.506771	-0.431638	-2.354059	-1.859711	-2.283533	1.605484
189	4070	-2.514455	-0.449544	-0.430830	-2.341731	-1.868155	-2.301116	1.883899
190	4091	-2.593859	-0.384851	-0.425349	-2.321657	-1.876534	-2.310426	2.172530
191	4113	-2.655529	-0.311104	-0.415342	-2.293315	-1.886660	-2.312693	2.463924
192	4134	-2.702534	-0.228615	-0.401040	-2.255447	-1.898515	-2.308053	2.742813
193	4156	-2.738207	-0.139688	-0.382719	-2.206419	-1.910761	-2.295495	2.988796
194	4177	-2.765677	-0.048364	-0.360665	-2.144609	-1.921435	-2.273041	3.180209
195	4199	-2.787507	0.040145	-0.335156	-2.068741	-1.928674	-2.238108	3.298377
196	4221	-2.805467	0.120242	-0.306447	-1.978097	-1.931269	-2.187990	3.331346
197	4242	-2.820449	0.186834	-0.274783	-1.872562	-1.928972	-2.120352	3.276334
198	4264	-2.832513	0.236158	-0.240410	-1.752525	-1.922181	-2.033665	3.140404
199	4285	-2.841027	0.266410	-0.203610	-1.618670	-1.912095	-1.927500	2.939245
200	4307	-2.844891	0.278075	-0.164725	-1.471726	-1.899699	-1.802647	2.694357
201	4328	-2.842800	0.273876	-0.124184	-1.312261	-1.885501	-1.661052	2.429235

Subject 18 left FFT

		Subject 18 0,0	Subject 18 36,0	Subject 18 72,0	Subject 18 36,16	Subject 18 36,48	Subject 18 36,80	Subject 18 36,112
0	0	-0.888058	-0.955120	-0.657581	-0.700598	-0.726126	-0.664360	-1.129969
1	22	-0.865842	-0.926948	-0.652930	-0.693983	-0.711052	-0.655262	-1.105019
2	43	-0.802104	-0.845973	-0.638460	-0.673896	-0.667167	-0.628514	-1.031021
3	65	-0.705054	-0.722252	-0.612777	-0.639723	-0.598295	-0.585709	-0.910710
4	86	-0.586745	-0.570769	-0.574042	-0.590772	-0.510241	-0.529348	-0.749166
5	108	-0.460959	-0.409104	-0.520590	-0.526701	-0.410020	-0.462619	-0.554355
6	129	-0.340846	-0.254744	-0.451587	-0.447945	-0.304959	-0.389100	-0.337472
7	151	-0.236756	-0.122495	-0.367581	-0.356063	-0.201783	-0.312418	-0.112800
8	172	-0.154673	-0.022425	-0.270820	-0.253889	-0.105846	-0.235889	0.103086
9	194	-0.095532	0.041365	-0.165228	-0.145421	-0.020587	-0.162173	0.292830
10	215	-0.055502	0.070970	-0.056048	-0.035468	0.052698	-0.093006	0.440376
11	237	-0.027155	0.073937	0.050817	0.070927	0.114763	-0.029040	0.533310
12	258	-0.001262	0.061709	0.149650	0.169175	0.168021	0.030179	0.565050
13	280	0.031187	0.047580	0.235792	0.255805	0.215936	0.086054	0.536434
14	301	0.077121	0.044489	0.306382	0.328988	0.262290	0.140640	0.456317
15	323	0.140073	0.063023	0.360814	0.388784	0.310458	0.196218	0.340943
16	345	0.219644	0.109907	0.400821	0.437065	0.362782	0.254811	0.212075
17	366	0.311839	0.187163	0.430154	0.477095	0.420148	0.317723	0.094091
18	388	0.410167	0.291999	0.453910	0.512843	0.481809	0.385166	0.010455
19	409	0.507263	0.417388	0.477610	0.548150	0.545469	0.456081	-0.019879
20	431	0.596677	0.553173	0.506195	0.585908	0.607614	0.528167	0.014465
21	452	0.674438	0.687522	0.543117	0.627418	0.664015	0.598153	0.115254
22	474	0.740075	0.808500	0.589668	0.672068	0.710352	0.662267	0.274046
23	495	0.796847	0.905563	0.644673	0.717410	0.742835	0.716842	0.473134
24	517	0.851132	0.970802	0.704595	0.759625	0.758776	0.758941	0.687946
25	538	0.911063	0.999815	0.764029	0.794327	0.757009	0.786897	0.890545
26	560	0.984680	0.992136	0.816485	0.817524	0.738116	0.800662	1.053694
27	581	1.077937	0.951211	0.855349	0.826567	0.704441	0.801878	1.154889
28	603	1.192977	0.883928	0.874831	0.820883	0.659872	0.793657	1.179722
29	624	1.327014	0.799775	0.870773	0.802332	0.609429	0.780089	1.124075
30	646	1.472089	0.709716	0.841178	0.775093	0.558701	0.765558	0.994800
31	668	1.615783	0.624907	0.786404	0.745075	0.513190	0.753993	0.808784
32	689	1.742806	0.555388	0.709002	0.718932	0.477638	0.748184	0.590519
33	711	1.837214	0.508906	0.613262	0.702866	0.455420	0.749295	0.368532
34	732	1.884885	0.490010	0.504553	0.701412	0.448074	0.756667	0.171198
35	754	1.875799	0.499519	0.388577	0.716434	0.455027	0.767950	0.022533
36	775	1.805750	0.534453	0.270678	0.746528	0.473576	0.779533	-0.061406
37	797	1.677138	0.588420	0.155281	0.786938	0.499131	0.787193	-0.074970
38	818	1.498705	0.652416	0.045555	0.830021	0.525707	0.786831	-0.023866
39	840	1.284251	0.715927	-0.056679	0.866192	0.546629	0.775152	0.075595
40	861	1.050539	0.768175	-0.150833	0.885199	0.555359	0.750152	0.198842
41	883	0.814761	0.799335	-0.237256	0.877528	0.546361	0.711321	0.316683
42	904	0.592014	0.801569	-0.316852	0.835721	0.515861	0.659535	0.399712
43	926	0.393234	0.769749	-0.390689	0.755402	0.462427	0.596654	0.422848
44	947	0.223928	0.701807	-0.459658	0.635896	0.387246	0.524950	0.369323
45	969	0.083929	0.598708	-0.524248	0.480340	0.294057	0.446463	0.233493
46	991	-0.031832	0.464101	-0.584443	0.295328	0.188728	0.362468	0.022036
47	1012	-0.131718	0.303748	-0.639750	0.090151	0.078523	0.273149	-0.246701
48	1034	-0.225276	0.124847	-0.689318	-0.124218	-0.028855	0.177573	-0.545132
49	1055	-0.321043	-0.064662	-0.732119	-0.336261	-0.126305	0.073983	-0.840290
50	1077	-0.424715	-0.256719	-0.767147	-0.535013	-0.208307	-0.039660	-1.098565
51	1098	-0.537998	-0.443651	-0.793593	-0.711003	-0.271677	-0.164987	-1.290565
52	1120	-0.658357	-0.618582	-0.810985	-0.856953	-0.315995	-0.302530	-1.395385
53	1141	-0.779675	-0.775738	-0.819263	-0.968201	-0.343615	-0.451179	-1.403604
54	1163	-0.893643	-0.910688	-0.818815	-1.042844	-0.359258	-0.607910	-1.318559
55	1184	-0.991594	-1.020535	-0.810460	-1.081623	-0.369235	-0.767855	-1.155728
56	1206	-1.066378	-1.104044	-0.795407	-1.087612	-0.380424	-0.924704	-0.940326
57	1227	-1.113919	-1.161689	-0.775188	-1.065740	-0.399154	-1.071396	-0.703543
58	1249	-1.134132	-1.195564	-0.751580	-1.022231	-0.430178	-1.200957	-0.478030
59	1270	-1.131043	-1.209151	-0.726511	-0.963986	-0.475893	-1.307361	-0.293344
60	1292	-1.112122	-1.206898	-0.701941	-0.897969	-0.535940	-1.386256	-0.172057
61	1314	-1.086946	-1.193668	-0.679721	-0.830653	-0.607243	-1.435445	-0.127064
62	1335	-1.065501	-1.174091	-0.661431	-0.767550	-0.684484	-1.455052	-0.160424
63	1357	-1.056423	-1.151953	-0.648198	-0.712884	-0.760945	-1.447364	-0.263798
64	1378	-1.065524	-1.129713	-0.640523	-0.669425	-0.829555	-1.416413	-0.420285
65	1400	-1.094848	-1.108267	-0.638127	-0.638503	-0.884005	-1.367367	-0.607253
66	1421	-1.142408	-1.087020	-0.639869	-0.620178	-0.919721	-1.305859	-0.799662
67	1443	-1.202627	-1.064268	-0.643741	-0.613545	-0.934561	-1.237365	-0.973350
68	1464	-1.267371	-1.037825	-0.646973	-0.617117	-0.929120	-1.166709	-1.107813
69	1486	-1.327367	-1.005778	-0.646256	-0.629199	-0.906597	-1.097754	-1.188187
70	1507	-1.373763	-0.967187	-0.638052	-0.648202	-0.872276	-1.033285	-1.206278
71	1529	-1.399557	-0.922594	-0.618988	-0.672835	-0.832686	-0.975050	-1.160669
72	1550	-1.400680	-0.874189	-0.586259	-0.702134	-0.794614	-0.923920	-1.056063
73	1572	-1.376574	-0.825592	-0.538011	-0.735350	-0.764112	-0.880090	-0.902090
74	1593	-1.330221	-0.781256	-0.473630	-0.771731	-0.745660	-0.843275	-0.711823
75	1615	-1.267627	-0.745632	-0.393902	-0.810253	-0.741616	-0.812875	-0.500211
76	1637	-1.196888	-0.722226	-0.301017	-0.849399	-0.752011	-0.788065	-0.282595
77	1658	-1.126987	-0.712784	-0.198397	-0.887042	-0.774708	-0.767857	-0.073391
78	1680	-1.066517	-0.716767	-0.090390	-0.920485	-0.805856	-0.751119	0.115019
79	1701	-1.022510	-0.731242	0.018160	-0.946677	-0.840560	-0.736609	0.273152
80	1723	-0.999534	-0.751229	0.122388	-0.962562	-0.873623	-0.723016	0.395041
81	1744	-0.999174	-0.770463	0.217879	-0.965517	-0.900246	-0.709042	0.478551
82	1766	-1.019949	-0.782408	0.301073	-0.953767	-0.916568	-0.693501	0.525348
83	1787	-1.057644	-0.781358	0.369555	-0.926725	-0.919990	-0.675421	0.540472
84	1809	-1.106015	-0.763399	0.422200	-0.885159	-0.909264	-0.654135	0.531503
85	1830	-1.157718	-0.727069	0.459167	-0.831173	-0.884370	-0.629322	0.507371
86	1852	-1.205342	-0.673594	0.481749	-0.767993	-0.846260	-0.601004	0.476921
87	1873	-1.242376	-0.606668	0.492118	-0.699623	-0.796556	-0.569478	0.447459
88	1895	-1.263984	-0.531835	0.492996	-0.630415	-0.737266	-0.535229	0.423506
89	1916	-1.267472	-0.455597	0.487310	-0.564653	-0.670612	-0.498811	0.406030
90	1938	-1.252412	-0.384397	0.477873	-0.506204	-0.598961	-0.460749	0.392344
91	1960	-1.220415	-0.323665	0.467115	-0.458284	-0.524872	-0.421474	0.376773
92	1981	-1.174635	-0.277064	0.456906	-0.423335	-0.451177	-0.381303	0.352016
93	2003	-1.119096	-0.246032	0.448468	-0.402995	-0.381049	-0.340456	0.311014
94	2024	-1.057968	-0.229667	0.442368	-0.398117	-0.317960	-0.299106	0.248965
95	2046	-0.994932	-0.224936	0.438586	-0.408776	-0.265479	-0.257431	0.165089
96	2067	-0.932712	-0.227148	0.436635	-0.434254	-0.226896	-0.215649	0.063739
97	2089	-0.872845	-0.230614	0.435698	-0.472977	-0.204714	-0.174016	-0.045453
98	2110	-0.815703	-0.229395	0.434780	-0.522442	-0.200069	-0.132803	-0.148519
99	2132	-0.760704	-0.218048	0.432842	-0.579191	-0.212231	-0.092228	-0.229115
100	2153	-0.706676	-0.192310	0.428917	-0.638883	-0.238293	-0.052399	-0.271212
101	2175	-0.652258	-0.149636	0.422194	-0.696527	-0.273183	-0.013271	-0.262058
102	2196	-0.596273	-0.089555	0.412086	-0.746882	-0.310056	0.025352	-0.194859
103	2218	-0.538005	-0.013804	0.398266	-0.785003	-0.341083	0.063765	-0.070653
104	2239	-0.477355	0.073791	0.380691	-0.806855	-0.358548	0.102264	0.101037
105	2261	-0.414857	0.167704	0.359611	-0.809874	-0.356096	0.141018	0.302978
106	2283	-0.351592	0.261347	0.335558	-0.793353	-0.329934	0.179960	0.512375
107	2304	-0.289019	0.347899	0.309331	-0.758547	-0.279745	0.218718	0.704086
108	2326	-0.228764	0.421266	0.281951	-0.708420	-0.209114	0.256625	0.854390
109	2347	-0.172385	0.477009	0.254608	-0.647059	-0.125329	0.292822	0.944668
110	2369	-0.121132	0.513127	0.228582	-0.578840	-0.038519	0.326436	0.964366
111	2390	-0.075704	0.530524	0.205139	-0.507493	0.039788	0.356814	0.912714
112	2412	-0.036020	0.533050	0.185423	-0.435258	0.098494	0.383755	0.798863
113	2433	-0.001006	0.527061	0.170333	-0.362344	0.128856	0.407678	0.640428
114	2455	0.031553	0.520515	0.160410	-0.286803	0.126177	0.429692	0.460629
115	2476	0.065061	0.521723	0.155742	-0.204905	0.090961	0.451517	0.284530
116	2498	0.104011	0.537950	0.155906	-0.111964	0.029270	0.475266	0.134997
117	2519	0.153684	0.574102	0.159952	-0.003458	-0.047810	0.503113	0.029057
118	2541	0.219646	0.631764	0.166452	0.123779	-0.125582	0.536907	-0.024722
119	2562	0.307065	0.708775	0.173598	0.270545	-0.187826	0.577797	-0.027383
120	2584	0.419917	0.799479	0.179357	0.434695	-0.219247	0.625957	0.010909
121	2606	0.560208	0.895626	0.181675	0.611148	-0.207884	0.680471	0.072936
122	2627	0.727343	0.987799	0.178697	0.792531	-0.147077	0.739404	0.137699
123	2649	0.917798	1.067117	0.168991	0.970365	-0.036638	0.800064	0.184355
124	2670	1.125176	1.126900	0.151750	1.136578	0.116994	0.859407	0.196117
125	2692	1.340724	1.163966	0.126939	1.285047	0.301657	0.914522	0.163483
126	2713	1.554239	1.179301	0.095370	1.412851	0.501305	0.963089	0.086200
127	2735	1.755280	1.177947	0.058685	1.520937	0.698483	1.003744	-0.026365
128	2756	1.934471	1.168095	0.019247	1.614042	0.877025	1.036261	-0.156548
129	2778	2.084696	1.159541	-0.020063	1.699831	1.024527	1.061536	-0.281197
130	2799	2.201969	1.161779	-0.056125	1.787390	1.134171	1.081359	-0.375514
131	2821	2.285820	1.182096	-0.085899	1.885339	1.205590	1.098036	-0.417308
132	2842	2.339123	1.224026	-0.106773	1.999936	1.244641	1.113929	-0.390933
133	2864	2.367390	1.286489	-0.116869	2.133542	1.262127	1.130998	-0.290242
134	2885	2.377683	1.363760	-0.115297	2.283770	1.271697	1.150447	-0.120045
135	2907	2.377318	1.446321	-0.102306	2.443508	1.287297	1.172523	0.104215
136	2929	2.372625	1.522436	-0.079321	2.601848	1.320603	1.196511	0.358549
137	2950	2.367985	1.580141	-0.048839	2.745754	1.378894	1.220903	0.613947
138	2972	2.365308	1.609321	-0.014212	2.862181	1.463704	1.243719	0.840780
139	2993	2.364028	1.603442	0.020684	2.940232	1.570472	1.262883	1.013364
140	3015	2.361593	1.560656	0.051847	2.972961	1.689240	1.276596	1.113905
141	3036	2.354309	1.484056	0.075572	2.958467	1.806252	1.283615	1.135183
142	3058	2.338359	1.381053	0.088859	2.900075	1.906172	1.283395	1.081498
143	3079	2.310771	1.261997	0.089745	2.805585	1.974543	1.276070	0.967724
144	3101	2.270139	1.138311	0.077531	2.685711	2.000084	1.262284	0.816636
145	3122	2.216964	1.020494	0.052876	2.552053	1.976457	1.242918	0.654962
146	3144	2.153565	0.916359	0.017739	2.414962	1.903246	1.218784	0.508842
147	3165	2.083604	0.829819	-0.024821	2.281718	1.786031	1.190352	0.399493
148	3187	2.011337	0.760444	-0.070952	2.155365	1.635579	1.157563	0.339794
149	3208	1.940771	0.703836	-0.116416	2.034401	1.466323	1.119790	0.332400
150	3230	1.874893	0.652729	-0.157013	1.913368	1.294381	1.075938	0.369658
151	3252	1.815111	0.598589	-0.189004	1.784208	1.135442	1.024662	0.435302
152	3273	1.761017	0.533399	-0.209466	1.638102	1.002815	0.964678	0.507601
153	3295	1.710484	0.451292	-0.216553	1.467442	0.905898	0.895078	0.563334
154	3316	1.660039	0.349724	-0.209630	1.267554	0.849243	0.815600	0.581885
155	3338	1.605447	0.230000	-0.189276	1.037863	0.832286	0.726800	0.548702
156	3359	1.542359	0.097056	-0.157157	0.782302	0.849709	0.630086	0.457543
157	3381	1.466923	-0.041427	-0.115799	0.508920	0.892337	0.527613	0.311133
158	3402	1.376278	-0.176395	-0.068289	0.228787	0.948396	0.422059	0.120214
159	3424	1.268861	-0.299024	-0.017941	-0.045582	1.004963	0.316317	-0.098785
160	3445	1.144553	-0.402244	0.032024	-0.301977	1.049416	0.213173	-0.326921
161	3467	1.004656	-0.481914	0.078752	-0.530128	1.070742	0.115002	-0.546134
162	3488	0.851771	-0.537464	0.119960	-0.722947	1.060583	0.023546	-0.742193
163	3510	0.689591	-0.571894	0.154046	-0.877214	1.013944	-0.060211	-0.906660
164	3531	0.522651	-0.591176	0.180106	-0.993657	0.929533	-0.136059	-1.037541
165	3553	0.356036	-0.603182	0.197866	-1.076463	0.809727	-0.204484	-1.138593
166	3575	0.195032	-0.616350	0.207556	-1.132385	0.660179	-0.266523	-1.217496
167	3596	0.044714	-0.638328	0.209745	-1.169623	0.489128	-0.323585	-1.283352
168	3618	-0.090526	-0.674841	0.205163	-1.196690	0.306455	-0.377277	-1.344063
169	3639	-0.207493	-0.728929	0.194559	-1.221425	0.122588	-0.429250	-1.404172
170	3661	-0.304675	-0.800682	0.178583	-1.250270	-0.052665	-0.481088	-1.463589
171	3682	-0.382632	-0.887451	0.157739	-1.287863	-0.211214	-0.534222	-1.517480
172	3704	-0.444187	-0.984457	0.132389	-1.336903	-0.347618	-0.589886	-1.557294
173	3725	-0.494333	-1.085666	0.102803	-1.398258	-0.459718	-0.649063	-1.572695
174	3747	-0.539809	-1.184743	0.069258	-1.471215	-0.548886	-0.712442	-1.553968
175	3768	-0.588365	-1.275919	0.032136	-1.553809	-0.619826	-0.780359	-1.494371
176	3790	-0.647770	-1.354653	-0.007976	-1.643166	-0.679931	-0.852737	-1.391935
177	3811	-0.724712	-1.418001	-0.050219	-1.735863	-0.738258	-0.929034	-1.250338
178	3833	-0.823765	-1.464688	-0.093441	-1.828267	-0.804228	-1.008223	-1.078639
179	3854	-0.946602	-1.494928	-0.136233	-1.916889	-0.886224	-1.088828	-0.889946
180	3876	-1.091622	-1.510077	-0.177013	-1.998747	-0.990283	-1.169026	-0.699274
181	3898	-1.254079	-1.512209	-0.214166	-2.071714	-1.119064	-1.246816	-0.521001
182	3919	-1.426741	-1.503731	-0.246209	-2.134825	-1.271272	-1.320253	-0.366458
183	3941	-1.600973	-1.487070	-0.271970	-2.188462	-1.441615	-1.387696	-0.242083
184	3962	-1.768092	-1.464488	-0.290760	-2.234388	-1.621350	-1.448050	-0.148530
185	3984	-1.920759	-1.438010	-0.302509	-2.275546	-1.799334	-1.500943	-0.080868
186	4005	-2.054166	-1.409425	-0.307841	-2.315624	-1.963450	-1.546807	-0.029836
187	4027	-2.166808	-1.380319	-0.308101	-2.358433	-2.102221	-1.586833	0.016116
188	4048	-2.260691	-1.352097	-0.305288	-2.407146	-2.206356	-1.622796	0.068396
189	4070	-2.340927	-1.325955	-0.301921	-2.463553	-2.270035	-1.656785	0.135918
190	4091	-2.414785	-1.302796	-0.300841	-2.527459	-2.291719	-1.690850	0.223298
191	4113	-2.490358	-1.283117	-0.304942	-2.596358	-2.274379	-1.726649	0.329904
192	4134	-2.575065	-1.266886	-0.316884	-2.665474	-2.225104	-1.765141	0.449957
193	4156	-2.674251	-1.253449	-0.338786	-2.728199	-2.154135	-1.806372	0.573624
194	4177	-2.790125	-1.241523	-0.371937	-2.776882	-2.073479	-1.849400	0.688896
195	4199	-2.921202	-1.229265	-0.416560	-2.803857	-1.995274	-1.892360	0.783874
196	4221	-3.062357	-1.214437	-0.471646	-2.802530	-1.930157	-1.932663	0.849035
197	4242	-3.205450	-1.194647	-0.534892	-2.768363	-1.885845	-1.967285	0.879046
198	4264	-3.340430	-1.167612	-0.602763	-2.699557	-1.866138	-1.993102	0.873803
199	4285	-3.456729	-1.131417	-0.670678	-2.597334	-1.870458	-2.007211	0.838499
200	4307	-3.544718	-1.084715	-0.733322	-2.465764	-1.894009	-2.007190	0.782733
201	4328	-3.596987	-1.026851	-0.785071	-2.311156	-1.928495	-1.991268	0.718825
202	4350	-3.609297	-0.957878	-0.820487	-2.141140	-1.963326	-1.958387	0.659644
203	4371	-3.581025	-0.878486	-0.834852	-1.963582	-1.987109	-1.908163	0.616356
204	4393	-3.515115	-0.789859	-0.824676	-1.785514	-1.989239	-1.840775	0.596466
205	4414	-3.417523	-0.693480	-0.788126	-1.612239	-1.961357	-1.756822	0.602518
206	4436	-3.296302	-0.590934	-0.725322	-1.446746	-1.898484	-1.657167	0.631637
207	4457	-3.160450	-0.483720	-0.638445	-1.289477	-1.799672	-1.542823	0.675994
208	4479	-3.018718	-0.373110	-0.531646	-1.138476	-1.668099	-1.414882	0.724087
209	4500	-2.878527	-0.260054	-0.410729	-0.989823	-1.510585	-1.274489	0.762612
210	4522	-2.745147	-0.145147	-0.282649	-0.838300	-1.336617	-1.122870	0.778592
211	4544	-2.621209	-0.028653	-0.154859	-0.678139	-1.157020	-0.961361	0.761433
212	4565	-2.506594	0.089430	-0.034577	-0.503784	-0.982464	-0.791453	0.704563
213	4587	-2.398683	0.209250	0.071942	-0.310551	-0.822018	-0.614795	0.606432
214	4608	-2.292897	0.330968	0.160033	-0.095157	-0.681969	-0.433178	0.470740
215	4630	-2.183447	0.454590	0.227097	0.143910	-0.565049	-0.248473	0.305896
216	4651	-2.064172	0.579814	0.272823	0.406191	-0.470198	-0.062546	0.123833
217	4673	-1.929363	0.705895	0.299158	0.689203	-0.392876	0.122826	-0.061600
218	4694	-1.774482	0.831548	0.310011	0.988533	-0.325876	0.306031	-0.236434
219	4716	-1.596678	0.954927	0.310733	1.298053	-0.260510	0.485665	-0.388257
220	4737	-1.395087	1.073678	0.307423	1.610276	-0.187989	0.660521	-0.507579
221	4759	-1.170860	1.185080	0.306179	1.916812	-0.100789	0.829547	-0.588712
222	4780	-0.926958	1.286266	0.312359	2.208932	0.006193	0.991756	-0.630079
223	4802	-0.667745	1.374486	0.329969	2.478189	0.134859	1.146132	-0.633987
224	4823	-0.398429	1.447393	0.361240	2.717049	0.283609	1.291535	-0.605939
225	4845	-0.124447	1.503284	0.406451	2.919464	0.447552	1.426650	-0.553624
226	4867	0.149139	1.541282	0.464003	3.081313	0.619183	1.549981	-0.485769
227	4888	0.418147	1.561405	0.530723	3.200650	0.789410	1.659917	-0.411002
228	4910	0.679611	1.564522	0.602350	3.277730	0.948777	1.754855	-0.336886
229	4931	0.931907	1.552212	0.674117	3.314804	1.088699	1.833380	-0.269212
230	4953	1.174658	1.526547	0.741346	3.315725	1.202549	1.894476	-0.211611
231	4974	1.408427	1.489854	0.799977	3.285439	1.286443	1.937732	-0.165497
232	4996	1.634265	1.444505	0.846957	3.229457	1.339651	1.963520	-0.130290
233	5017	1.853185	1.392768	0.880448	3.153381	1.364593	1.973110	-0.103859
234	5039	2.065665	1.336740	0.899854	3.062572	1.366456	1.968687	-0.083105
235	5060	2.271281	1.278360	0.905664	2.961971	1.352512	1.953264	-0.064571
236	5082	2.468535	1.219472	0.899180	2.856067	1.331233	1.930476	-0.045023
237	5103	2.654939	1.161884	0.882169	2.748955	1.311332	1.904269	-0.021899
238	5125	2.827351	1.107386	0.856512	2.644386	1.300846	1.878502	0.006383
239	5146	2.982510	1.057675	0.823908	2.545758	1.306344	1.856514	0.040307
240	5168	3.117685	1.014186	0.785678	2.455953	1.332334	1.840687	0.079309
241	5190	3.231319	0.977834	0.742684	2.377028	1.380909	1.832075	0.121960
242	5211	3.323539	0.948723	0.695361	2.309796	1.451627	1.830161	0.166250
243	5233	3.396413	0.925886	0.643849	2.253381	1.541630	1.832772	0.209905
244	5254	3.453887	0.907146	0.588177	2.204870	1.645948	1.836197	0.250688
245	5276	3.501375	0.889143	0.528453	2.159195	1.757984	1.835516	0.286635
246	5297	3.545041	0.867585	0.465027	2.109338	1.870104	1.825104	0.316210
247	5319	3.590875	0.837705	0.398593	2.046906	1.974309	1.799280	0.338362
248	5340	3.643691	0.794875	0.330203	1.963046	2.062930	1.753003	0.352510
249	5362	3.706223	0.735290	0.261202	1.849587	2.129297	1.682549	0.358473
250	5383	3.778458	0.656606	0.193104	1.700252	2.168318	1.586050	0.356397
251	5405	3.857329	0.558421	0.127422	1.511729	2.176932	1.463831	0.346704
252	5426	3.936841	0.442496	0.065502	1.284420	2.154366	1.318490	0.330080
253	5448	4.008626	0.312678	0.008376	1.022715	2.102175	1.154684	0.307517
254	5469	4.062860	0.174508	-0.043327	0.734711	2.024046	0.978659	0.280369
255	5491	4.089429	0.034584	-0.089415	0.431421	1.925384	0.797578	0.250408
256	5513	4.079191	-0.100233	-0.130093	0.125557	1.812700	0.618742	0.219814
257	5534	4.025144	-0.223651	-0.165887	-0.169909	1.692903	0.448807	0.191082
258	5556	3.923369	-0.330675	-0.197520	-0.443198	1.572549	0.293110	0.166800
259	5577	3.773614	-0.418137	-0.225799	-0.684979	1.457170	0.155195	0.149340
260	5599	3.579429	-0.484953	-0.251503	-0.889234	1.350744	0.036592	0.140466
261	5620	3.347862	-0.532091	-0.275313	-1.053654	1.255400	-0.063128	0.140952
262	5642	3.088734	-0.562262	-0.297771	-1.179520	1.171371	-0.146051	0.150285
263	5663	2.813592	-0.579422	-0.319281	-1.271151	1.097210	-0.215435	0.166523
264	5685	2.534467	-0.588150	-0.340139	-1.335028	1.030208	-0.275126	0.186391
265	5706	2.262596	-0.593020	-0.360564	-1.378767	0.966961	-0.328963	0.205611
266	5728	2.007243	-0.598039	-0.380737	-1.410084	0.903973	-0.380277	0.219468
267	5749	1.774788	-0.606225	-0.400810	-1.435923	0.838219	-0.431531	0.223500
268	5771	1.568159	-0.619356	-0.420902	-1.461803	0.767559	-0.484148	0.214242
269	5792	1.386706	-0.637892	-0.441063	-1.491458	0.690977	-0.538523	0.189847
270	5814	1.226504	-0.661066	-0.461227	-1.526741	0.608589	-0.594188	0.150497
271	5835	1.081050	-0.687097	-0.481163	-1.567157	0.521456	-0.650082	0.098483
272	5857	0.942264	-0.713486	-0.500438	-1.613150	0.431248	-0.704863	0.037938
273	5879	0.801640	-0.737361	-0.518406	-1.660484	0.339818	-0.757201	-0.025765
274	5900	0.651408	-0.755835	-0.534236	-1.706648	0.248779	-0.806011	-0.086842
275	5922	0.485530	-0.766326	-0.546972	-1.748256	0.159160	-0.850584	-0.140023
276	5943	0.300408	-0.766842	-0.555634	-1.782004	0.071198	-0.890628	-0.181404
277	5965	0.095200	-0.756188	-0.559328	-1.804982	-0.015695	-0.926216	-0.209069
278	5986	-0.128267	-0.734089	-0.557361	-1.814932	-0.102801	-0.957671	-0.223364
279	6008	-0.365969	-0.701212	-0.549337	-1.810450	-0.191802	-0.985424	-0.226776
280	6029	-0.612422	-0.659081	-0.535223	-1.791113	-0.284412	-1.009874	-0.223418
281	6051	-0.861567	-0.609895	-0.515359	-1.757524	-0.381968	-1.031276	-0.218239
282	6072	-1.107629	-0.556255	-0.490431	-1.711257	-0.485075	-1.049672	-0.216083
283	6094	-1.345811	-0.500845	-0.461390	-1.654696	-0.593364	-1.064874	-0.220777
284	6115	-1.572722	-0.446097	-0.429345	-1.590777	-0.705394	-1.076495	-0.234415
285	6137	-1.786486	-0.393894	-0.395441	-1.522648	-0.818742	-1.084011	-0.256970
286	6158	-1.986550	-0.345356	-0.360732	-1.453296	-0.930251	-1.086854	-0.286290
287	6180	-2.173279	-0.300749	-0.326092	-1.385187	-1.036418	-1.084507	-0.318480
288	6202	-2.347428	-0.259527	-0.292141	-1.319973	-1.133848	-1.076597	-0.348590
289	6223	-2.509637	-0.220514	-0.259231	-1.258306	-1.219720	-1.062971	-0.371478
290	6245	-2.660054	-0.182195	-0.227458	-1.199805	-1.292183	-1.043752	-0.382688
291	6266	-2.798146	-0.143055	-0.196718	-1.143159	-1.350613	-1.019351	-0.379192
292	6288	-2.922722	-0.101931	-0.166777	-1.086365	-1.395698	-0.990462	-0.359864
293	6309	-3.032143	-0.058288	-0.137359	-1.027052	-1.429324	-0.958006	-0.325626
294	6331	-3.124619	-0.012392	-0.108217	-0.962847	-1.454266	-0.923047	-0.279242
295	6352	-3.198534	0.034663	-0.079193	-0.891721	-1.473746	-0.886687	-0.224828
296	6374	-3.252693	0.081079	-0.050251	-0.812274	-1.490903	-0.849942	-0.167171
297	6395	-3.286451	0.124600	-0.021484	-0.723919	-1.508278	-0.813618	-0.110989
298	6417	-3.299709	0.162843	0.006901	-0.626953	-1.527375	-0.778216	-0.060256
299	6438	-3.292812	0.193650	0.034621	-0.522521	-1.548391	-0.743869	-0.017710
300	6460	-3.266403	0.215403	0.061359	-0.412484	-1.570158	-0.710330	0.015388
301	6481	-3.221313	0.227257	0.086801	-0.299215	-1.590301	-0.677022	0.039239
302	6503	-3.158536	0.229235	0.110676	-0.185365	-1.605612	-0.643140	0.055230
303	6525	-3.079307	0.222196	0.132775	-0.073613	-1.612568	-0.607800	0.065500
304	6546	-2.985270	0.207673	0.152958	0.033569	-1.607909	-0.570207	0.072416
305	6568	-2.878675	0.187612	0.171144	0.134110	-1.589200	-0.529812	0.078059
306	6589	-2.762507	0.164074	0.187303	0.226493	-1.555261	-0.486448	0.083824
307	6611	-2.640476	0.138931	0.201431	0.309830	-1.506409	-0.440399	0.090183
308	6632	-2.516799	0.113622	0.213533	0.383883	-1.444468	-0.392396	0.096642
309	6654	-2.395785	0.088997	0.223610	0.448992	-1.372534	-0.343552	0.101896
310	6675	-2.281246	0.065273	0.231653	0.505948	-1.294555	-0.295219	0.104129
311	6697	-2.175863	0.042099	0.237642	0.555796	-1.214775	-0.248812	0.101413
312	6718	-2.080630	0.018717	0.241562	0.599617	-1.137149	-0.205614	0.092125
313	6740	-1.994512	-0.005812	0.243405	0.638303	-1.064813	-0.166602	0.075305
314	6761	-1.914434	-0.032367	0.243191	0.672376	-0.999699	-0.132315	0.050905
315	6783	-1.835634	-0.061541	0.240974	0.701883	-0.942351	-0.102787	0.019879
316	6804	-1.752361	-0.093476	0.236854	0.726397	-0.891955	-0.077550	-0.015890
317	6826	-1.658798	-0.127781	0.230972	0.745127	-0.846579	-0.055712	-0.053826

Subject 19 left FFT

		Subject 19 0,0	Subject 19 36,0	Subject 19 72,0	Subject 19 36,16	Subject 19 36,48	Subject 19 36,80	Subject 19 36,112
0	0	-0.557604	-0.614517	-0.665551	-0.534431	-0.561181	-0.633394	-0.629206
1	22	-0.543736	-0.607329	-0.662227	-0.532780	-0.558324	-0.622658	-0.620378
2	43	-0.504772	-0.586563	-0.651964	-0.527533	-0.549368	-0.591820	-0.594992
3	65	-0.448073	-0.554438	-0.633961	-0.517843	-0.533257	-0.544693	-0.556064
4	86	-0.384132	-0.514110	-0.607113	-0.502400	-0.508559	-0.486753	-0.507783
5	108	-0.324321	-0.469007	-0.570302	-0.479602	-0.473876	-0.424024	-0.454499
6	129	-0.278460	-0.422138	-0.522700	-0.447796	-0.428271	-0.361902	-0.399763
7	151	-0.252717	-0.375551	-0.464038	-0.405583	-0.371608	-0.304179	-0.345670
8	172	-0.248298	-0.330050	-0.394755	-0.352159	-0.304734	-0.252471	-0.292699
9	194	-0.261181	-0.285229	-0.316011	-0.287624	-0.229453	-0.206169	-0.240069
10	215	-0.282940	-0.239772	-0.229559	-0.213194	-0.148299	-0.162888	-0.186482
11	237	-0.302462	-0.191911	-0.137491	-0.131242	-0.064172	-0.119282	-0.130977
12	258	-0.308174	-0.139900	-0.041949	-0.045125	0.020085	-0.072006	-0.073600
13	280	-0.290298	-0.082370	0.055170	0.041234	0.102057	-0.018576	-0.015635
14	301	-0.242681	-0.018461	0.152406	0.123929	0.180009	0.042059	0.040739
15	323	-0.163825	0.052261	0.248803	0.199759	0.252953	0.109382	0.093283
16	345	-0.056951	0.130047	0.343805	0.266851	0.320542	0.181583	0.140805
17	366	0.070875	0.215236	0.437025	0.325090	0.382816	0.256160	0.184168
18	388	0.210311	0.308410	0.527901	0.376217	0.439899	0.330651	0.226820
19	409	0.351652	0.410315	0.615357	0.423530	0.491714	0.403274	0.274577
20	431	0.486663	0.521496	0.697520	0.471195	0.537820	0.473300	0.334556
21	452	0.609953	0.641705	0.771598	0.523274	0.577387	0.541045	0.413407
22	474	0.719636	0.769213	0.833962	0.582650	0.609349	0.607488	0.515234
23	495	0.817189	0.900237	0.880450	0.650064	0.632652	0.673602	0.639715
24	517	0.906568	1.028682	0.906863	0.723501	0.646552	0.739623	0.780973
25	538	0.992828	1.146374	0.909581	0.798085	0.650854	0.804432	0.927606
26	560	1.080552	1.243831	0.886207	0.866563	0.646031	0.865276	1.064052
27	581	1.172416	1.311517	0.836108	0.920344	0.633169	0.917916	1.173130
28	603	1.268198	1.341367	0.760758	0.950921	0.613749	0.957219	1.239278
29	624	1.364398	1.328293	0.663807	0.951426	0.589333	0.978082	1.251835
30	646	1.454523	1.271367	0.550835	0.918025	0.561231	0.976490	1.207561
31	668	1.529988	1.174359	0.428820	0.850865	0.530255	0.950463	1.111795
32	689	1.581428	1.045512	0.305382	0.754377	0.496658	0.900684	0.977841
33	711	1.600189	0.896500	0.187916	0.636840	0.460268	0.830641	0.824624
34	732	1.579752	0.740751	0.082743	0.509268	0.420834	0.746236	0.673026
35	754	1.516846	0.591421	-0.005587	0.383817	0.378460	0.654938	0.541643
36	775	1.412099	0.459407	-0.074740	0.271977	0.334032	0.564634	0.442906
37	797	1.270141	0.351762	-0.124730	0.182895	0.289484	0.482419	0.380431
38	818	1.099168	0.270828	-0.157711	0.122109	0.247777	0.413557	0.348247
39	840	0.910046	0.214223	-0.177493	0.090903	0.212555	0.360790	0.332138
40	861	0.715091	0.175660	-0.188846	0.086386	0.187479	0.324134	0.312880
41	883	0.526700	0.146422	-0.196725	0.102218	0.175362	0.301129	0.270686
42	904	0.356007	0.117159	-0.205540	0.129836	0.177299	0.287480	0.189922
43	926	0.211730	0.079654	-0.218576	0.159923	0.191985	0.277921	0.063039
44	947	0.099346	0.028230	-0.237646	0.183830	0.215439	0.267120	-0.107169
45	969	0.020678	-0.039450	-0.263026	0.194739	0.241268	0.250450	-0.307512
46	991	-0.026065	-0.122283	-0.293649	0.188390	0.261486	0.224535	-0.516622
47	1012	-0.045818	-0.216259	-0.327503	0.163310	0.267792	0.187493	-0.709009
48	1034	-0.045813	-0.315457	-0.362153	0.120605	0.253094	0.138935	-0.860101
49	1055	-0.034505	-0.413242	-0.395287	0.063423	0.212984	0.079763	-0.951212
50	1077	-0.020386	-0.503413	-0.425173	-0.003733	0.146842	0.011881	-0.973398
51	1098	-0.010875	-0.581079	-0.450970	-0.075691	0.058305	-0.062118	-0.929376
52	1120	-0.011429	-0.643154	-0.472826	-0.147179	-0.045049	-0.139219	-0.833129
53	1141	-0.024997	-0.688465	-0.491785	-0.213217	-0.152810	-0.216222	-0.707296
54	1163	-0.051901	-0.717553	-0.509502	-0.269354	-0.253462	-0.289949	-0.578894
55	1184	-0.090147	-0.732295	-0.527862	-0.311814	-0.336441	-0.357487	-0.474295
56	1206	-0.136096	-0.735508	-0.548548	-0.337637	-0.394109	-0.416467	-0.414452
57	1227	-0.185395	-0.730618	-0.572662	-0.344870	-0.423261	-0.465400	-0.411344
58	1249	-0.233985	-0.721445	-0.600458	-0.332856	-0.425849	-0.504006	-0.466261
59	1270	-0.279002	-0.712071	-0.631219	-0.302566	-0.408739	-0.533469	-0.570206
60	1292	-0.319428	-0.706712	-0.663314	-0.256887	-0.382523	-0.556505	-0.706194
61	1314	-0.356340	-0.709494	-0.694398	-0.200767	-0.359592	-0.577167	-0.852913
62	1335	-0.392724	-0.724083	-0.721731	-0.141073	-0.351829	-0.600353	-0.988916
63	1357	-0.432880	-0.753148	-0.742545	-0.086114	-0.368366	-0.631043	-1.096524
64	1378	-0.481511	-0.797745	-0.754411	-0.044818	-0.413840	-0.673368	-1.164694
65	1400	-0.542683	-0.856756	-0.755538	-0.025641	-0.487491	-0.729691	-1.190405
66	1421	-0.618836	-0.926551	-0.744972	-0.035379	-0.583256	-0.799883	-1.178419
67	1443	-0.710055	-1.001029	-0.722673	-0.078089	-0.690866	-0.880991	-1.139618
68	1464	-0.813751	-1.072134	-0.689462	-0.154322	-0.797680	-0.967397	-1.088354
69	1486	-0.924836	-1.130834	-0.646869	-0.260856	-0.890926	-1.051514	-1.039396
70	1507	-1.036386	-1.168427	-0.596911	-0.390998	-0.959888	-1.124907	-1.005041
71	1529	-1.140700	-1.177974	-0.541836	-0.535449	-0.997636	-1.179668	-0.992874
72	1550	-1.230558	-1.155559	-0.483878	-0.683586	-1.001995	-1.209775	-1.004470
73	1572	-1.300484	-1.101131	-0.425055	-0.824958	-0.975601	-1.212181	-1.035139
74	1593	-1.347747	-1.018705	-0.367017	-0.950722	-0.925111	-1.187395	-1.074630
75	1615	-1.372923	-0.915865	-0.310983	-1.054775	-0.859761	-1.139450	-1.108625
76	1637	-1.379893	-0.802622	-0.257724	-1.134382	-0.789612	-1.075227	-1.120746
77	1658	-1.375235	-0.689843	-0.207615	-1.190208	-0.723854	-1.003301	-1.094823
78	1680	-1.367127	-0.587542	-0.160714	-1.225779	-0.669481	-0.932499	-1.017195
79	1701	-1.363918	-0.503358	-0.116860	-1.246487	-0.630558	-0.870474	-0.878813
80	1723	-1.372628	-0.441535	-0.075774	-1.258360	-0.608140	-0.822563	-0.676963
81	1744	-1.397650	-0.402544	-0.037140	-1.266830	-0.600766	-0.791125	-0.416408
82	1766	-1.439896	-0.383439	-0.000670	-1.275732	-0.605324	-0.775466	-0.109758
83	1787	-1.496548	-0.378792	0.033850	-1.286693	-0.618026	-0.772313	0.223102
84	1809	-1.561477	-0.382009	0.066548	-1.299001	-0.635251	-0.776710	0.556621
85	1830	-1.626256	-0.386715	0.097456	-1.309932	-0.654065	-0.783100	0.862221
86	1852	-1.681597	-0.387917	0.126525	-1.315438	-0.672361	-0.786384	1.111760
87	1873	-1.718933	-0.382732	0.153646	-1.311044	-0.688649	-0.782719	1.281448
88	1895	-1.731873	-0.370556	0.178674	-1.292765	-0.701661	-0.769957	1.355632
89	1916	-1.717250	-0.352716	0.201462	-1.257905	-0.709937	-0.747677	1.329811
90	1938	-1.675577	-0.331743	0.221898	-1.205593	-0.711606	-0.716883	1.212227
91	1960	-1.610836	-0.310488	0.239932	-1.137018	-0.704448	-0.679498	1.023545
92	1981	-1.529654	-0.291315	0.255617	-1.055351	-0.686288	-0.637833	0.794432
93	2003	-1.440043	-0.275564	0.269131	-0.965393	-0.655620	-0.594144	0.561228
94	2024	-1.349952	-0.263398	0.280800	-0.873032	-0.612279	-0.550394	0.360293
95	2046	-1.265920	-0.253999	0.291095	-0.784571	-0.557970	-0.508217	0.221965
96	2067	-1.192099	-0.246045	0.300626	-0.706018	-0.496441	-0.469020	0.165202
97	2089	-1.129803	-0.238255	0.310105	-0.642393	-0.433186	-0.434126	0.194002
98	2110	-1.077664	-0.229850	0.320302	-0.597095	-0.374670	-0.404837	0.290372
99	2132	-1.032323	-0.220757	0.331980	-0.571397	-0.327194	-0.382331	0.446235
100	2153	-0.989481	-0.211504	0.345823	-0.564099	-0.295618	-0.367381	0.608029
101	2175	-0.945074	-0.202836	0.362364	-0.571414	-0.282224	-0.359931	0.743271
102	2196	-0.896302	-0.195165	0.381917	-0.587124	-0.286004	-0.358676	0.817852
103	2218	-0.842292	-0.188044	0.404521	-0.603051	-0.302496	-0.360770	0.808687
104	2239	-0.784266	-0.179833	0.429911	-0.609861	-0.324381	-0.361823	0.708374
105	2261	-0.725182	-0.167706	0.457500	-0.598145	-0.342623	-0.356268	0.526882
106	2283	-0.668948	-0.148043	0.486398	-0.559680	-0.348042	-0.338091	0.289879
107	2304	-0.619402	-0.117140	0.515449	-0.488706	-0.332975	-0.301835	0.033965
108	2326	-0.579275	-0.072105	0.543296	-0.383034	-0.292709	-0.243674	-0.200273
109	2347	-0.549399	-0.011712	0.568462	-0.244741	-0.226395	-0.162335	-0.376012
110	2369	-0.528308	0.063010	0.589451	-0.080315	-0.137244	-0.059631	-0.467195
111	2390	-0.512342	0.148619	0.604846	0.099882	-0.031981	0.059559	-0.463359
112	2412	-0.496215	0.239627	0.613423	0.282811	0.080355	0.187918	-0.371336
113	2433	-0.473924	0.329345	0.614249	0.454479	0.190010	0.316842	-0.213484
114	2455	-0.439801	0.411066	0.606766	0.601961	0.288203	0.437934	-0.022866
115	2476	-0.389490	0.479343	0.590852	0.715378	0.368590	0.544528	0.163602
116	2498	-0.320630	0.531088	0.566855	0.789507	0.428226	0.632945	0.312570
117	2519	-0.233142	0.566265	0.535579	0.824701	0.467867	0.703198	0.400703
118	2541	-0.129044	0.588000	0.498240	0.826941	0.491609	0.758990	0.418839
119	2562	-0.011888	0.602072	0.456372	0.806957	0.505949	0.806963	0.373044
120	2584	0.114049	0.615874	0.411707	0.778545	0.518506	0.855343	0.282446
121	2606	0.244635	0.637032	0.366017	0.756344	0.536645	0.912240	0.174422
122	2627	0.376618	0.671962	0.320961	0.753458	0.566270	0.983941	0.078254
123	2649	0.508062	0.724639	0.277927	0.779337	0.610985	1.073542	0.018699
124	2670	0.638429	0.795805	0.237909	0.838274	0.671723	1.180196	0.010861
125	2692	0.768305	0.882783	0.201419	0.928810	0.746849	1.299132	0.057448
126	2713	0.898875	0.979900	0.168466	1.044115	0.832661	1.422446	0.148910
127	2735	1.031286	1.079437	0.138591	1.173275	0.924128	1.540478	0.266315
128	2756	1.166078	1.172912	0.110961	1.303247	1.015715	1.643534	0.386194
129	2778	1.302825	1.252464	0.084515	1.421096	1.102140	1.723572	0.486162
130	2799	1.440069	1.312077	0.058143	1.516131	1.178959	1.775548	0.550004
131	2821	1.575564	1.348440	0.030862	1.581560	1.242948	1.798174	0.571078
132	2842	1.706747	1.361335	0.001986	1.615283	1.292271	1.793946	0.553297
133	2864	1.831319	1.353497	-0.028761	1.620434	1.326487	1.768497	0.509575
134	2885	1.947771	1.330033	-0.061181	1.603587	1.346445	1.729414	0.458194
135	2907	2.055712	1.297506	-0.094621	1.574351	1.354116	1.684798	0.418036
136	2929	2.155900	1.262886	-0.128052	1.543124	1.352377	1.641841	0.403880
137	2950	2.249959	1.232514	-0.160213	1.519463	1.344750	1.605712	0.422879
138	2972	2.339830	1.211261	-0.189789	1.510654	1.335076	1.578916	0.473065
139	2993	2.427094	1.201957	-0.215604	1.520812	1.327120	1.561222	0.544171
140	3015	2.512308	1.205155	-0.236792	1.550600	1.324108	1.550105	0.620525
141	3036	2.594555	1.219204	-0.252927	1.597540	1.328239	1.541551	0.685248
142	3058	2.671301	1.240601	-0.264089	1.656780	1.340252	1.531031	0.724675
143	3079	2.738646	1.264523	-0.270849	1.722100	1.359133	1.514415	0.731889
144	3101	2.791928	1.285464	-0.274193	1.786941	1.382058	1.488647	0.708490
145	3122	2.826591	1.297908	-0.275370	1.845271	1.404638	1.452080	0.664140
146	3144	2.839132	1.296936	-0.275759	1.892145	1.421466	1.404445	0.614008
147	3165	2.827943	1.278750	-0.276421	1.923943	1.426915	1.346524	0.574760
148	3187	2.793869	1.241053	-0.278410	1.938311	1.416057	1.279652	0.560068
149	3208	2.740346	1.183260	-0.282141	1.933913	1.385543	1.205199	0.576792
150	3230	2.673061	1.106533	-0.287553	1.910121	1.334265	1.124172	0.622786
151	3252	2.599185	1.013626	-0.294061	1.866751	1.263645	1.037015	0.686905
152	3273	2.526296	0.908551	-0.300625	1.803926	1.177460	0.943650	0.751259
153	3295	2.461159	0.796096	-0.305882	1.722072	1.081222	0.843707	0.795191
154	3316	2.408612	0.681232	-0.308333	1.622030	0.981198	0.736858	0.800040
155	3338	2.370718	0.568484	-0.306535	1.505194	0.883258	0.623152	0.753549
156	3359	2.346371	0.461342	-0.299305	1.373595	0.791760	0.503237	0.652832
157	3381	2.331414	0.361789	-0.285878	1.229858	0.708717	0.378406	0.505171
158	3402	2.319266	0.270031	-0.266018	1.077010	0.633396	0.250445	0.326428
159	3424	2.301961	0.184482	-0.240088	0.918134	0.562453	0.121332	0.137428
160	3445	2.271420	0.102015	-0.208924	0.755965	0.490579	-0.007150	-0.040844
161	3467	2.220749	0.018465	-0.173950	0.592496	0.411528	-0.133772	-0.192050
162	3488	2.145335	-0.070684	-0.136842	0.428718	0.319338	-0.258090	-0.308180
163	3510	2.043567	-0.169522	-0.099455	0.264558	0.209499	-0.380488	-0.391177
164	3531	1.917029	-0.280971	-0.063628	0.099069	0.079845	-0.501993	-0.452096
165	3553	1.770159	-0.406192	-0.031010	-0.069166	-0.068984	-0.623919	-0.507988
166	3575	1.609403	-0.544241	-0.002923	-0.241478	-0.233588	-0.747392	-0.577229
167	3596	1.442031	-0.692047	0.019740	-0.418533	-0.408334	-0.872871	-0.674441
168	3618	1.274807	-0.844710	0.036557	-0.599861	-0.586233	-0.999779	-0.806248
169	3639	1.112770	-0.996103	0.047578	-0.783602	-0.759979	-1.126333	-0.968935
170	3661	0.958335	-1.139670	0.053270	-0.966552	-0.922966	-1.249612	-1.148643
171	3682	0.810903	-1.269310	0.054432	-1.144528	-1.070080	-1.365877	-1.324121
172	3704	0.667050	-1.380212	0.052083	-1.312971	-1.198158	-1.471074	-1.471444
173	3725	0.521265	-1.469493	0.047341	-1.467702	-1.306071	-1.561442	-1.569612
174	3747	0.367119	-1.536551	0.041309	-1.605667	-1.394463	-1.634087	-1.605695
175	3768	0.198620	-1.583065	0.034973	-1.725515	-1.465254	-1.687446	-1.578280
176	3790	0.011497	-1.612640	0.029122	-1.827888	-1.521035	-1.721513	-1.498333
177	3811	-0.195851	-1.630150	0.024306	-1.915346	-1.564492	-1.737829	-1.387188
178	3833	-0.421942	-1.640889	0.020810	-1.991926	-1.597965	-1.739205	-1.272048
179	3854	-0.662437	-1.649659	0.018668	-2.062406	-1.623195	-1.729254	-1.179972
180	3876	-0.910957	-1.659956	0.017690	-2.131401	-1.641261	-1.711824	-1.131702
181	3898	-1.160337	-1.673378	0.017513	-2.202461	-1.652674	-1.690420	-1.136776
182	3919	-1.404046	-1.689375	0.017654	-2.277327	-1.657537	-1.667737	-1.191055
183	3941	-1.637461	-1.705361	0.017574	-2.355503	-1.655736	-1.645373	-1.277316
184	3962	-1.858704	-1.717206	0.016733	-2.434204	-1.647074	-1.623755	-1.368823
185	3984	-2.068841	-1.719993	0.014643	-2.508715	-1.631348	-1.602291	-1.435135
186	4005	-2.271372	-1.708941	0.010909	-2.573083	-1.608376	-1.579687	-1.448851
187	4027	-2.471094	-1.680314	0.005254	-2.621040	-1.577993	-1.554361	-1.391815
188	4048	-2.672597	-1.632168	-0.002462	-2.646978	-1.540078	-1.524865	-1.259340
189	4070	-2.878696	-1.564801	-0.012242	-2.646832	-1.494621	-1.490237	-1.061516
190	4091	-3.089187	-1.480816	-0.023959	-2.618711	-1.441843	-1.450207	-0.821270
191	4113	-3.300225	-1.384789	-0.037371	-2.563181	-1.382355	-1.405231	-0.569603
192	4134	-3.504498	-1.282590	-0.052152	-2.483164	-1.317295	-1.356363	-0.339050
193	4156	-3.692225	-1.180491	-0.067914	-2.383482	-1.248394	-1.304997	-0.156837
194	4177	-3.852781	-1.084187	-0.084240	-2.270125	-1.177922	-1.252535	-0.039242
195	4199	-3.976640	-0.997937	-0.100711	-2.149392	-1.108495	-1.200070	0.011592
196	4221	-4.057227	-0.923950	-0.116927	-2.027018	-1.042745	-1.148137	0.007691
197	4242	-4.092278	-0.862129	-0.132527	-1.907450	-0.982929	-1.096583	-0.027833
198	4264	-4.084398	-0.810206	-0.147196	-1.793369	-0.930530	-1.044588	-0.066247
199	4285	-4.040700	-0.764239	-0.160667	-1.685508	-0.885972	-0.990815	-0.079811
200	4307	-3.971553	-0.719361	-0.172718	-1.582783	-0.848502	-0.933672	-0.048017
201	4328	-3.888725	-0.670641	-0.183159	-1.482679	-0.816297	-0.871605	0.037930
202	4350	-3.803289	-0.613897	-0.191827	-1.381819	-0.786783	-0.803389	0.173370
203	4371	-3.723723	-0.546322	-0.198575	-1.276600	-0.757106	-0.728341	0.341522
204	4393	-3.654617	-0.466819	-0.203268	-1.163786	-0.724670	-0.646426	0.517541
205	4414	-3.596224	-0.376012	-0.205782	-1.040985	-0.687601	-0.558241	0.674316
206	4436	-3.544931	-0.275961	-0.206016	-0.906931	-0.645053	-0.464887	0.788653
207	4457	-3.494521	-0.169665	-0.203904	-0.761565	-0.597277	-0.367768	0.846444
208	4479	-3.437911	-0.060477	-0.199430	-0.605934	-0.545431	-0.268358	0.845639
209	4500	-3.368970	0.048455	-0.192646	-0.441946	-0.491182	-0.167992	0.796423
210	4522	-3.284002	0.154592	-0.183682	-0.272059	-0.436201	-0.067727	0.718582
211	4544	-3.182565	0.256208	-0.172753	-0.098970	-0.381662	0.031716	0.636752
212	4565	-3.067466	0.352370	-0.160147	0.074645	-0.327881	0.129909	0.576558
213	4587	-2.943956	0.442739	-0.146212	0.246299	-0.274191	0.226599	0.549733
214	4608	-2.818330	0.527263	-0.131326	0.413761	-0.219077	0.321555	0.569218
215	4630	-2.696279	0.605863	-0.115857	0.575046	-0.160557	0.414414	0.628796
216	4651	-2.581381	0.678205	-0.100129	0.728357	-0.096719	0.504568	0.713821
217	4673	-2.474088	0.743607	-0.084388	0.872027	-0.026276	0.591130	0.802917
218	4694	-2.371442	0.801112	-0.068771	1.004488	0.050979	0.672977	0.873025
219	4716	-2.267572	0.849692	-0.053297	1.124308	0.133952	0.748870	0.904723
220	4737	-2.154883	0.888535	-0.037873	1.230283	0.220313	0.817615	0.886600
221	4759	-2.025635	0.917320	-0.022312	1.321563	0.306845	0.878240	0.817712
222	4780	-1.873575	0.936414	-0.006368	1.397799	0.390003	0.930136	0.707623
223	4802	-1.695264	0.946922	0.010215	1.459234	0.466565	0.973131	0.574092
224	4823	-1.490798	0.950580	0.027660	1.506737	0.534225	1.007492	0.439000
225	4845	-1.263779	0.949494	0.046109	1.541728	0.591998	1.033839	0.323511
226	4867	-1.020562	0.945797	0.065596	1.566005	0.640350	1.053007	0.243563
227	4888	-0.768937	0.941290	0.086024	1.581510	0.681018	1.065879	0.206724
228	4910	-0.516563	0.937143	0.107172	1.590047	0.716577	1.073230	0.211048
229	4931	-0.269476	0.933736	0.128714	1.593045	0.749855	1.075622	0.246111
230	4953	-0.031004	0.930659	0.150250	1.591385	0.783324	1.073363	0.295902
231	4974	0.198685	0.926878	0.171355	1.585366	0.818618	1.066549	0.342819
232	4996	0.422330	0.921024	0.191619	1.574783	0.856276	1.055164	0.371811
233	5017	0.644664	0.911739	0.210692	1.559150	0.895778	1.039213	0.373702
234	5039	0.871071	0.898001	0.228314	1.537978	0.935807	1.018861	0.346985
235	5060	1.106089	0.879364	0.244325	1.511051	0.974722	0.994531	0.297727
236	5082	1.352096	0.856059	0.258669	1.478825	1.011066	0.966938	0.237718
237	5103	1.608434	0.828942	0.271375	1.442252	1.044003	0.937047	0.181359
238	5125	1.871188	0.799309	0.282528	1.403054	1.073557	0.905964	0.142085
239	5146	2.133638	0.768619	0.292235	1.363384	1.100611	0.874768	0.129166
240	5168	2.387308	0.738197	0.300591	1.325533	1.126641	0.844343	0.145617
241	5190	2.623402	0.708966	0.307652	1.291533	1.153274	0.815223	0.187653
242	5211	2.834335	0.681287	0.313413	1.262757	1.181774	0.787497	0.245732
243	5233	3.015074	0.654908	0.317809	1.239617	1.212585	0.760801	0.306881
244	5254	3.164017	0.629056	0.320719	1.221406	1.245052	0.734388	0.357704
245	5276	3.283256	0.602619	0.321988	1.206333	1.277403	0.707277	0.387334
246	5297	3.378185	0.574410	0.321452	1.191752	1.306990	0.678447	0.389684
247	5319	3.456528	0.543424	0.318968	1.174555	1.330761	0.647038	0.364483
248	5340	3.526987	0.509071	0.314444	1.151641	1.345836	0.612527	0.316973
249	5362	3.597764	0.471312	0.307855	1.120398	1.350072	0.574836	0.256388
250	5383	3.675230	0.430706	0.299257	1.079101	1.342473	0.534364	0.193654
251	5405	3.762963	0.388339	0.288783	1.027151	1.323370	0.491926	0.138894
252	5426	3.861322	0.345664	0.276636	0.965124	1.294301	0.448617	0.099309
253	5448	3.967589	0.304282	0.263064	0.894623	1.257648	0.405633	0.077895
254	5469	4.076606	0.265702	0.248339	0.817965	1.216096	0.364070	0.073233
255	5491	4.181759	0.231107	0.232728	0.737776	1.172053	0.324750	0.080299
256	5513	4.276093	0.201187	0.216469	0.656559	1.127150	0.288099	0.092013
257	5534	4.353333	0.176035	0.199755	0.576331	1.081946	0.254095	0.101109
258	5556	4.408626	0.155146	0.182717	0.498380	1.035901	0.222296	0.101843
259	5577	4.438912	0.137495	0.165431	0.423176	0.987606	0.191949	0.091138
260	5599	4.442872	0.121706	0.147920	0.350459	0.935233	0.162140	0.068963
261	5620	4.420564	0.106269	0.130169	0.279441	0.877068	0.131978	0.037912
262	5642	4.372849	0.089780	0.112144	0.209106	0.812033	0.100768	0.002181
263	5663	4.300802	0.071172	0.093813	0.138518	0.740040	0.068147	-0.033145
264	5685	4.205257	0.049896	0.075164	0.067080	0.662127	0.034164	-0.066516
265	5706	4.086597	0.026023	0.056223	-0.005291	0.580326	-0.000705	-0.093745
266	5728	3.944833	0.000247	0.037058	-0.078117	0.497296	-0.035628	-0.116245
267	5749	3.779936	-0.026218	0.017783	-0.150429	0.415822	-0.069531	-0.135667
268	5771	3.592309	-0.051830	-0.001448	-0.220931	0.338275	-0.101264	-0.154673
269	5792	3.383268	-0.074982	-0.020455	-0.288226	0.266163	-0.129774	-0.175716
270	5814	3.155364	-0.094277	-0.039050	-0.351037	0.199879	-0.154265	-0.200132
271	5835	2.912459	-0.108793	-0.057059	-0.408413	0.138673	-0.174326	-0.227586
272	5857	2.659484	-0.118261	-0.074338	-0.459843	0.080878	-0.189990	-0.256047
273	5879	2.401927	-0.123143	-0.090793	-0.505307	0.024302	-0.201734	-0.282275
274	5900	2.145121	-0.124580	-0.106388	-0.545228	-0.033280	-0.210409	-0.302697
275	5922	1.893503	-0.124221	-0.121147	-0.580367	-0.093664	-0.217118	-0.314414
276	5943	1.649988	-0.123955	-0.135147	-0.611675	-0.157870	-0.223050	-0.316076
277	5965	1.415595	-0.125598	-0.148507	-0.640140	-0.225988	-0.229317	-0.308376
278	5986	1.189420	-0.130595	-0.161360	-0.666640	-0.297226	-0.236791	-0.294025
279	6008	0.968963	-0.139782	-0.173832	-0.691847	-0.370147	-0.245992	-0.277205
280	6029	0.750743	-0.153265	-0.186018	-0.716163	-0.443012	-0.257024	-0.262632
281	6051	0.531088	-0.170429	-0.197958	-0.739706	-0.514155	-0.269580	-0.254460
282	6072	0.306940	-0.190081	-0.209621	-0.762329	-0.582294	-0.283001	-0.255252
283	6094	0.076516	-0.210689	-0.220903	-0.783665	-0.646713	-0.296393	-0.265447
284	6115	-0.160289	-0.230675	-0.231627	-0.803180	-0.707285	-0.308762	-0.283142
285	6137	-0.401832	-0.248700	-0.241561	-0.820232	-0.764338	-0.319167	-0.304572
286	6158	-0.644975	-0.263891	-0.250440	-0.834122	-0.818427	-0.326849	-0.324966
287	6180	-0.885604	-0.275964	-0.257996	-0.844147	-0.870057	-0.331333	-0.339651
288	6202	-1.119288	-0.285223	-0.263986	-0.849650	-0.919454	-0.332471	-0.345127
289	6223	-1.341963	-0.292458	-0.268220	-0.850066	-0.966424	-0.330452	-0.339858
290	6245	-1.550491	-0.298748	-0.270586	-0.844977	-1.010341	-0.325754	-0.324606
291	6266	-1.743017	-0.305232	-0.271057	-0.834161	-1.050265	-0.319069	-0.302236
292	6288	-1.919062	-0.312883	-0.269697	-0.817641	-1.085142	-0.311207	-0.277043
293	6309	-2.079366	-0.322344	-0.266650	-0.795719	-1.114040	-0.302996	-0.253766
294	6331	-2.225530	-0.333831	-0.262119	-0.768988	-1.136358	-0.295192	-0.236526
295	6352	-2.359543	-0.347137	-0.256346	-0.738317	-1.151948	-0.288409	-0.227924
296	6374	-2.483292	-0.361704	-0.249578	-0.704805	-1.161136	-0.283071	-0.228505
297	6395	-2.598162	-0.376747	-0.242044	-0.669702	-1.164621	-0.279392	-0.236684
298	6417	-2.704786	-0.391401	-0.233929	-0.634299	-1.163313	-0.277373	-0.249151
299	6438	-2.802988	-0.404850	-0.225354	-0.599815	-1.158124	-0.276820	-0.261628
300	6460	-2.891930	-0.416422	-0.216375	-0.567271	-1.149801	-0.277378	-0.269809
301	6481	-2.970407	-0.425642	-0.206980	-0.537386	-1.138824	-0.278577	-0.270264
302	6503	-3.037254	-0.432239	-0.197099	-0.510500	-1.125405	-0.279884	-0.261106
303	6525	-3.091758	-0.436125	-0.186620	-0.486540	-1.109581	-0.280769	-0.242304
304	6546	-3.134008	-0.437364	-0.175412	-0.465028	-1.091374	-0.280773	-0.215577
305	6568	-3.165111	-0.436139	-0.163345	-0.445142	-1.070959	-0.279581	-0.183946
306	6589	-3.187199	-0.432740	-0.150315	-0.425817	-1.048798	-0.277081	-0.151038
307	6611	-3.203242	-0.427550	-0.136259	-0.405876	-1.025682	-0.273411	-0.120333
308	6632	-3.216644	-0.421041	-0.121170	-0.384177	-1.002659	-0.268976	-0.094513
309	6654	-3.230700	-0.413754	-0.105106	-0.359762	-0.980860	-0.264426	-0.075051
310	6675	-3.247984	-0.406264	-0.088186	-0.331977	-0.961250	-0.260594	-0.062095
311	6697	-3.269768	-0.399101	-0.070584	-0.300560	-0.944355	-0.258395	-0.054651
312	6718	-3.295589	-0.392665	-0.052522	-0.265684	-0.930050	-0.258688	-0.050995
313	6740	-3.323047	-0.387120	-0.034248	-0.227931	-0.917439	-0.262132	-0.049181
314	6761	-3.347905	-0.382315	-0.016018	-0.188227	-0.904881	-0.269046	-0.047523
315	6783	-3.364503	-0.377730	0.001922	-0.147720	-0.890173	-0.279308	-0.044948
316	6804	-3.366454	-0.372497	0.019356	-0.107630	-0.870844	-0.292303	-0.041131
317	6826	-3.347517	-0.365486	0.036109	-0.069093	-0.844522	-0.306952	-0.036418
318	6848	-3.302543	-0.355443	0.052063	-0.033012	-0.809307	-0.321806	-0.031577
319	6869	-3.228309	-0.341191	0.067154	0.000050	-0.764071	-0.335216	-0.027449
320	6891	-3.124113	-0.321826	0.081369	0.029923	-0.708637	-0.345549	-0.024609
321	6912	-2.992010	-0.296888	0.094734	0.056823	-0.643803	-0.351417	-0.023125
322	6934	-2.836631	-0.266480	0.107300	0.081272	-0.571227	-0.351896	-0.022474
323	6955	-2.664594	-0.231283	0.119121	0.103979	-0.493176	-0.346690	-0.021626
324	6977	-2.483611	-0.192494	0.130234	0.125668	-0.412227	-0.336207	-0.019279
325	6998	-2.301414	-0.151674	0.140640	0.146917	-0.330944	-0.321549	-0.014177
326	7020	-2.124704	-0.110535	0.150291	0.168013	-0.251605	-0.304392	-0.005428
327	7041	-1.958285	-0.070719	0.159085	0.188857	-0.176015	-0.286777	0.007254
328	7063	-1.804549	-0.033587	0.166874	0.208946	-0.105406	-0.270839	0.023442
329	7084	-1.663385	-0.000073	0.173467	0.227425	-0.040434	-0.258509	0.042046
330	7106	-1.532521	0.029389	0.178660	0.243220	0.018769	-0.251231	0.061508
331	7127	-1.408229	0.054853	0.182258	0.255214	0.072502	-0.249732	0.080103
332	7149	-1.286235	0.076776	0.184096	0.262458	0.121408	-0.253895	0.096264
333	7171	-1.162676	0.095878	0.184074	0.264361	0.166403	-0.262726	0.108876
334	7192	-1.034885	0.112986	0.182165	0.260844	0.208615	-0.274465	0.117478
335	7214	-0.901890	0.128886	0.178430	0.252405	0.249341	-0.286790	0.122322
336	7235	-0.764511	0.144203	0.173013	0.240112	0.289988	-0.297118	0.124305
337	7257	-0.625064	0.159336	0.166131	0.225483	0.331985	-0.302947	0.124775
338	7278	-0.486740	0.174439	0.158052	0.210303	0.376653	-0.302199	0.125270
339	7300	-0.352804	0.189449	0.149070	0.196383	0.425050	-0.293518	0.127236
340	7321	-0.225782	0.204133	0.139471	0.185309	0.477794	-0.276463	0.131774
341	7343	-0.106824	0.218158	0.129515	0.178213	0.534924	-0.251585	0.139463
342	7364	0.004639	0.231146	0.119406	0.175618	0.595817	-0.220362	0.150273
343	7386	0.110851	0.242725	0.109287	0.177360	0.659211	-0.184989	0.163588
344	7407	0.215331	0.252549	0.099234	0.182625	0.723340	-0.148070	0.178297
345	7429	0.322173	0.260315	0.089266	0.190073	0.786168	-0.112240	0.192955
346	7450	0.435224	0.265760	0.079358	0.198055	0.845700	-0.079771	0.205974
347	7472	0.557289	0.268656	0.069460	0.204859	0.900302	-0.052236	0.215814
348	7494	0.689547	0.268816	0.059522	0.208978	0.948964	-0.030274	0.221161
349	7515	0.831283	0.266093	0.049511	0.209329	0.991458	-0.013503	0.221072
350	7537	0.980016	0.260400	0.039423	0.205414	1.028341	-0.000584	0.215078
351	7558	1.131970	0.251727	0.029292	0.197383	1.060797	0.010546	0.203249
352	7580	1.282798	0.240157	0.019189	0.185993	1.090346	0.022329	0.186209
353	7601	1.428410	0.225881	0.009213	0.172480	1.118478	0.037175	0.165094
354	7623	1.565705	0.209199	-0.000522	0.158353	1.146284	0.057043	0.141458
355	7644	1.693069	0.190513	-0.009904	0.145152	1.174167	0.083095	0.117125
356	7666	1.810517	0.170305	-0.018836	0.134202	1.201592	0.115477	0.093988
357	7687	1.919456	0.149104	-0.027251	0.126410	1.227613	0.153255	0.073775
358	7709	2.022115	0.127440	-0.035120	0.122125	1.250075	0.194532	0.057812
359	7730	2.120777	0.105800	-0.042454	0.121083	1.266941	0.236715	0.046817
360	7752	2.216997	0.084577	-0.049301	0.122458	1.276178	0.276894	0.040757
361	7773	2.310978	0.064021	-0.055735	0.124985	1.276224	0.312269	0.038814
362	7795	2.401273	0.044205	-0.061847	0.127155	1.266258	0.340556	0.039472
363	7817	2.484893	0.025004	-0.067726	0.127438	1.246308	0.360303	0.040719
364	7838	2.557829	0.006094	-0.073446	0.124504	1.217203	0.371081	0.040354
365	7860	2.615881	-0.013012	-0.079054	0.117408	1.180370	0.373502	0.036343
366	7881	2.655622	-0.032913	-0.084559	0.105713	1.137537	0.369090	0.027155
367	7903	2.675300	-0.054233	-0.089927	0.089528	1.090418	0.360020	0.012039
368	7924	2.675446	-0.077517	-0.095078	0.069463	1.040454	0.348777	-0.008845
369	7946	2.659051	-0.103128	-0.099891	0.046519	0.988658	0.337787	-0.034444
370	7967	2.631233	-0.131148	-0.104210	0.021908	0.935601	0.329089	-0.062991
371	7989	2.598432	-0.161320	-0.107857	-0.003134	0.881530	0.324088	-0.092311
372	8010	2.567268	-0.193025	-0.110636	-0.027535	0.826556	0.323418	-0.120181
373	8032	2.543293	-0.225317	-0.112357	-0.050536	0.770882	0.326934	-0.144687
374	8053	2.529866	-0.257009	-0.112841	-0.071779	0.714960	0.333809	-0.164492
375	8075	2.527403	-0.286803	-0.111939	-0.091327	0.659563	0.342727	-0.178959
376	8096	2.533152	-0.313437	-0.109538	-0.109601	0.605714	0.352118	-0.188122
377	8118	2.541550	-0.335838	-0.105575	-0.127271	0.554494	0.360408	-0.192506
378	8140	2.545115	-0.353237	-0.100039	-0.145095	0.506774	0.366237	-0.192846
379	8161	2.535691	-0.365240	-0.092976	-0.163746	0.462936	0.368636	-0.189846
380	8183	2.505825	-0.371840	-0.084484	-0.183666	0.422654	0.367122	-0.183842
381	8204	2.449993	-0.373358	-0.074709	-0.204943	0.384802	0.361728	-0.174787
382	8226	2.365461	-0.370347	-0.063835	-0.227259	0.347529	0.352966	-0.162227
383	8247	2.252615	-0.363447	-0.052070	-0.249899	0.308492	0.341727	-0.145483
384	8269	2.114724	-0.353254	-0.039635	-0.271821	0.265207	0.329152	-0.123904
385	8290	1.957199	-0.340193	-0.026745	-0.291776	0.215458	0.316470	-0.097132
386	8312	1.786527	-0.324440	-0.013596	-0.308463	0.157661	0.304843	-0.065305
387	8333	1.609091	-0.305885	-0.000354	-0.320679	0.091120	0.295209	-0.029119
388	8355	1.430130	-0.284150	0.012855	-0.327453	0.016115	0.288165	0.010276
389	8376	1.253015	-0.258645	0.025947	-0.328149	-0.066202	0.283874	0.051521
390	8398	1.078980	-0.228649	0.038883	-0.322506	-0.154076	0.282028	0.093391
391	8419	0.907306	-0.193404	0.051660	-0.310630	-0.245510	0.281866	0.135125
392	8441	0.735878	-0.152209	0.064301	-0.292940	-0.338668	0.282245	0.176652
393	8463	0.561991	-0.104494	0.076844	-0.270073	-0.432197	0.281764	0.218632
394	8484	0.383175	-0.049887	0.089320	-0.242773	-0.525417	0.278935	0.262268
395	8506	0.197910	0.011732	0.101742	-0.211788	-0.618342	0.272370	0.308923
396	8527	0.006059	0.080192	0.114086	-0.177776	-0.711515	0.260971	0.359608
397	8549	-0.191000	0.154997	0.126273	-0.141249	-0.805718	0.244095	0.414486
398	8570	-0.390564	0.235314	0.138164	-0.102555	-0.901603	0.221666	0.472509
399	8592	-0.588992	0.319967	0.149555	-0.061887	-0.999343	0.194212	0.531323
400	8613	-0.782204	0.407472	0.160177	-0.019328	-1.098369	0.162830	0.587495
401	8635	-0.966154	0.496105	0.169709	0.025093	-1.197255	0.129061	0.637050
402	8656	-1.137167	0.584005	0.177792	0.071339	-1.293773	0.094712	0.676223
403	8678	-1.292120	0.669313	0.184056	0.119321	-1.385089	0.061632	0.702258
404	8699	-1.428453	0.750326	0.188146	0.168856	-1.468088	0.031486	0.714073
405	8721	-1.544066	0.825637	0.189755	0.219657	-1.539732	0.005552	0.712594
406	8742	-1.637200	0.894234	0.188654	0.271338	-1.597399	-0.015417	0.700661
407	8764	-1.706354	0.955542	0.184719	0.323430	-1.639146	-0.031259	0.682464
408	8786	-1.750324	1.009366	0.177953	0.375402	-1.663861	-0.042381	0.662605
409	8807	-1.768352	1.055767	0.168493	0.426682	-1.671284	-0.049651	0.644977
410	8829	-1.760370	1.094863	0.156608	0.476671	-1.661928	-0.054237	0.631700
411	8850	-1.727264	1.126616	0.142686	0.524744	-1.636930	-0.057398	0.622367
412	8872	-1.671068	1.150632	0.127206	0.570252	-1.597863	-0.060286	0.613824
413	8893	-1.595019	1.166036	0.110698	0.612518	-1.546566	-0.063766	0.600566
414	8915	-1.503418	1.171469	0.093699	0.650845	-1.484997	-0.068295	0.575709
415	8936	-1.401285	1.165194	0.076706	0.684529	-1.415129	-0.073873	0.532386
416	8958	-1.293876	1.145346	0.060136	0.712893	-1.338886	-0.080068	0.465272
417	8979	-1.186120	1.110255	0.044287	0.735341	-1.258087	-0.086111	0.371904
418	9001	-1.082091	1.058799	0.029319	0.751405	-1.174401	-0.091039	0.253510
419	9022	-0.984619	0.990715	0.015250	0.760812	-1.089290	-0.093868	0.115130
420	9044	-0.895106	0.906806	0.001968	0.763520	-1.003941	-0.093769	-0.035038
421	9065	-0.813584	0.808990	-0.010742	0.759743	-0.919202	-0.090215	-0.186957
422	9087	-0.738980	0.700170	-0.023154	0.749941	-0.835538	-0.083076	-0.330481
423	9109	-0.669555	0.583950	-0.035555	0.734777	-0.753040	-0.072665	-0.457137
424	9130	-0.603392	0.464231	-0.048191	0.715046	-0.671480	-0.059701	-0.561592
425	9152	-0.538860	0.344763	-0.061229	0.691585	-0.590433	-0.045229	-0.642484
426	9173	-0.474961	0.228729	-0.074717	0.665177	-0.509446	-0.030479	-0.702433
427	9195	-0.411508	0.118432	-0.088572	0.636472	-0.428212	-0.016710	-0.747241
428	9216	-0.349118	0.015137	-0.102578	0.605920	-0.346727	-0.005045	-0.784434
429	9238	-0.289058	-0.080916	-0.116410	0.573752	-0.265372	0.003659	-0.821495
430	9259	-0.232974	-0.170337	-0.129665	0.539988	-0.184920	0.008909	-0.864156
431	9281	-0.182599	-0.254306	-0.141913	0.504485	-0.106422	0.010605	-0.915131
432	9302	-0.139474	-0.334223	-0.152744	0.466998	-0.031033	0.009011	-0.973577
433	9324	-0.104754	-0.411386	-0.161818	0.427261	0.040225	0.004870	-1.035370
434	9345	-0.079102	-0.486723	-0.168906	0.385060	0.106682	-0.001725	-1.094137
435	9367	-0.062680	-0.560645	-0.173910	0.340292	0.168183	-0.009464	-1.142779
436	9388	-0.055218	-0.632997	-0.176874	0.293000	0.225148	-0.017960	-1.175128
437	9410	-0.056113	-0.703121	-0.177968	0.243393	0.278505	-0.026834	-1.187533
438	9432	-0.064554	-0.769993	-0.177463	0.191841	0.329507	-0.035965	-1.178776
439	9453	-0.079624	-0.832383	-0.175690	0.138863	0.379467	-0.045470	-1.151936
440	9475	-0.100390	-0.889018	-0.172992	0.085104	0.429469	-0.055633	-1.111877
441	9496	-0.125966	-0.938714	-0.169681	0.031319	0.480118	-0.066793	-1.064876
442	9518	-0.155572	-0.980472	-0.165999	-0.021654	0.531386	-0.079226	-1.016902
443	9539	-0.188576	-1.013539	-0.162091	-0.072910	0.582595	-0.093038	-0.972214
444	9561	-0.224533	-1.037449	-0.157999	-0.121519	0.632536	-0.108096	-0.932432
445	9582	-0.263207	-1.052058	-0.153669	-0.166571	0.679720	-0.124023	-0.896326
446	9604	-0.304562	-1.057589	-0.148970	-0.207247	0.722675	-0.140249	-0.860358
447	9625	-0.348715	-1.054668	-0.143734	-0.242904	0.760260	-0.156117	-0.819854
448	9647	-0.395822	-1.044356	-0.137793	-0.273172	0.791899	-0.171016	-0.770504
449	9668	-0.445938	-1.028134	-0.131017	-0.298035	0.817703	-0.184513	-0.709796
450	9690	-0.498838	-1.007835	-0.123344	-0.317896	0.838435	-0.196457	-0.638018
451	9711	-0.553864	-0.985497	-0.114805	-0.333586	0.855347	-0.207021	-0.558539
452	9733	-0.609832	-0.963142	-0.105522	-0.346312	0.869918	-0.216678	-0.477253
453	9755	-0.665047	-0.942514	-0.095700	-0.357547	0.883547	-0.226107	-0.401312
454	9776	-0.717449	-0.924792	-0.085599	-0.368852	0.897284	-0.236052	-0.337399
455	9798	-0.764881	-0.910367	-0.075503	-0.381671	0.911643	-0.247155	-0.289967
456	9819	-0.805458	-0.898710	-0.065680	-0.397118	0.926543	-0.259810	-0.259875
457	9841	-0.837952	-0.888384	-0.056342	-0.415798	0.941388	-0.274062	-0.243782
458	9862	-0.862123	-0.877222	-0.047625	-0.437696	0.955238	-0.289575	-0.234491
459	9884	-0.878902	-0.862647	-0.039566	-0.462163	0.967059	-0.305683	-0.222225
460	9905	-0.890363	-0.842100	-0.032108	-0.488001	0.975954	-0.321511	-0.196601
461	9927	-0.899459	-0.813487	-0.025114	-0.513642	0.981345	-0.336134	-0.148867
462	9948	-0.909541	-0.775586	-0.018392	-0.537398	0.983054	-0.348758	-0.073941
463	9970	-0.923745	-0.728319	-0.011738	-0.557729	0.981264	-0.358867	0.028250
464	9991	-0.944354	-0.672829	-0.004964	-0.573490	0.976391	-0.366312	0.152417
465	10013	-0.972271	-0.611362	0.002056	-0.584109	0.968893	-0.371327	0.288697
466	10034	-1.006719	-0.546941	0.009370	-0.589664	0.959081	-0.374465	0.424418
467	10056	-1.045259	-0.482911	0.016931	-0.590840	0.946976	-0.376471	0.546501
468	10078	-1.084139	-0.422425	0.024600	-0.588785	0.932267	-0.378123	0.644003
469	10099	-1.118916	-0.367957	0.032165	-0.584883	0.914372	-0.380066	0.710260
470	10121	-1.145255	-0.320947	0.039370	-0.580493	0.892592	-0.382692	0.744163
471	10142	-1.159723	-0.281615	0.045950	-0.576710	0.866328	-0.386065	0.750306
472	10164	-1.160426	-0.248997	0.051669	-0.574178	0.835290	-0.389925	0.737957
473	10185	-1.147336	-0.221161	0.056352	-0.573006	0.799657	-0.393744	0.719076
474	10207	-1.122232	-0.195588	0.059910	-0.572785	0.760120	-0.396838	0.705793
475	10228	-1.088254	-0.169618	0.062350	-0.572705	0.717815	-0.398482	0.707895
476	10250	-1.049158	-0.140900	0.063772	-0.571746	0.674123	-0.398023	0.730829
477	10271	-1.008419	-0.107762	0.064353	-0.568893	0.630400	-0.394952	0.774654
478	10293	-0.968392	-0.069440	0.064319	-0.563339	0.587681	-0.388935	0.834136
479	10314	-0.929712	-0.026162	0.063914	-0.554636	0.546438	-0.379802	0.899955
480	10336	-0.891071	0.020940	0.063370	-0.542766	0.506433	-0.367504	0.960737
481	10357	-0.849446	0.070035	0.062872	-0.528129	0.466731	-0.352066	1.005468
482	10379	-0.800730	0.118884	0.062543	-0.511457	0.425853	-0.333555	1.025770
483	10401	-0.740636	0.165147	0.062429	-0.493680	0.382056	-0.312070	1.017560
484	10422	-0.665688	0.206677	0.062503	-0.475778	0.333694	-0.287769	0.981752
485	10444	-0.574055	0.241747	0.062674	-0.458655	0.279563	-0.260916	0.923900
486	10465	-0.466063	0.269190	0.062805	-0.443052	0.219179	-0.231920	0.852864
487	10487	-0.344230	0.288459	0.062736	-0.429518	0.152928	-0.201361	0.778851
488	10508	-0.212824	0.299608	0.062303	-0.418421	0.082038	-0.169960	0.711248
489	10530	-0.077020	0.303215	0.061363	-0.410002	0.008405	-0.138489	0.656735
490	10551	0.058171	0.300269	0.059804	-0.404431	-0.065719	-0.107626	0.618066
491	10573	0.188951	0.292035	0.057556	-0.401843	-0.138098	-0.077783	0.593755
492	10594	0.313543	0.279923	0.054593	-0.402340	-0.206877	-0.048923	0.578698
493	10616	0.432573	0.265351	0.050928	-0.405959	-0.270861	-0.020440	0.565545
494	10637	0.548919	0.249628	0.046613	-0.412593	-0.329678	0.008880	0.546494
495	10659	0.667066	0.233848	0.041726	-0.421912	-0.383769	0.040778	0.515083
496	10680	0.792089	0.218803	0.036370	-0.433295	-0.434235	0.077311	0.467584
497	10702	0.928484	0.204923	0.030663	-0.445803	-0.482578	0.120545	0.403701
498	10724	1.079105	0.192245	0.024740	-0.458218	-0.530377	0.172184	0.326460
499	10745	1.244420	0.180433	0.018747	-0.469150	-0.578979	0.233212	0.241333
500	10767	1.422264	0.168833	0.012840	-0.477202	-0.629260	0.303611	0.154855
501	10788	1.608132	0.156584	0.007181	-0.481167	-0.681493	0.382233	0.073066
502	10810	1.795949	0.142758	0.001933	-0.480220	-0.735343	0.466848	0.000153
503	10831	1.979151	0.126532	-0.002753	-0.474070	-0.789978	0.554392	-0.062384
504	10853	2.151833	0.107357	-0.006744	-0.463014	-0.844261	0.641380	-0.115871
505	10874	2.309741	0.085105	-0.009945	-0.447908	-0.896970	0.724416	-0.163876
506	10896	2.450867	0.060181	-0.012306	-0.430019	-0.947013	0.800713	-0.211068
507	10917	2.575564	0.033562	-0.013833	-0.410787	-0.993569	0.868537	-0.261798
508	10939	2.686132	0.006770	-0.014594	-0.391548	-1.036157	0.927460	-0.318754
509	10960	2.786003	-0.018226	-0.014711	-0.373240	-1.074609	0.978400	-0.382028
510	10982	2.878694	-0.039175	-0.014358	-0.356172	-1.108968	1.023394	-0.448803
511	11003	2.966757	-0.053753	-0.013734	-0.339874	-1.139350	1.065162	-0.513780
512	11025	3.050957	-0.059794	-0.013049	-0.323088	-1.165794	1.106517	-0.570220
513	11047	3.129850	-0.055514	-0.012495	-0.303877	-1.188141	1.149732	-0.611400
514	11068	3.199829	-0.039707	-0.012223	-0.279857	-1.205978	1.195978	-0.632129
515	11090	3.255632	-0.011873	-0.012326	-0.248518	-1.218637	1.244946	-0.629984
516	11111	3.291198	0.027715	-0.012826	-0.207562	-1.225267	1.294733	-0.605985
517	11133	3.300678	0.078034	-0.013673	-0.155225	-1.224943	1.342013	-0.564526
518	11154	3.279412	0.137424	-0.014753	-0.090517	-1.216791	1.382497	-0.512575
519	11176	3.224665	0.203769	-0.015903	-0.013343	-1.200108	1.411590	-0.458307
520	11197	3.136011	0.274733	-0.016933	0.075507	-1.174442	1.425141	-0.409452
521	11219	3.015297	0.348037	-0.017654	0.174510	-1.139630	1.420166	-0.371723
522	11240	2.866232	0.421713	-0.017896	0.281656	-1.095783	1.395388	-0.347660
523	11262	2.693706	0.494323	-0.017532	0.394765	-1.043246	1.351521	-0.336143
524	11283	2.502997	0.565104	-0.016483	0.511811	-0.982528	1.291219	-0.332684
525	11305	2.299028	0.634005	-0.014730	0.631194	-0.914243	1.218699	-0.330437
526	11326	2.085815	0.701605	-0.012301	0.751926	-0.839065	1.139096	-0.321707
527	11348	1.866204	0.768927	-0.009263	0.873687	-0.757712	1.057646	-0.299652
528	11370	1.641897	0.837151	-0.005709	0.996753	-0.670958	0.978848	-0.259802
529	11391	1.413747	0.907280	-0.001737	1.121795	-0.579655	0.905744	-0.201098
530	11413	1.182203	0.979802	0.002556	1.249593	-0.484767	0.839440	-0.126217
531	11434	0.947787	1.054402	0.007086	1.380702	-0.387380	0.778953	-0.041149
532	11456	0.711486	1.129783	0.011785	1.515136	-0.288695	0.721420	0.045896
533	11477	0.474955	1.203625	0.016591	1.652103	-0.189978	0.662627	0.126005
534	11499	0.240488	1.272702	0.021443	1.789867	-0.092496	0.597778	0.191182
535	11520	0.010783	1.333150	0.026269	1.925726	0.002570	0.522370	0.235742
536	11542	-0.211461	1.380851	0.030977	2.056149	0.094198	0.433021	0.257206
537	11563	-0.423981	1.411885	0.035448	2.177037	0.181580	0.328122	0.256530
538	11585	-0.625342	1.422976	0.039538	2.284075	0.264133	0.208202	0.237655
539	11606	-0.815160	1.411870	0.043086	2.373143	0.341467	0.075930	0.206504
540	11628	-0.994106	1.377596	0.045928	2.440706	0.413316	-0.064210	0.169657
541	11649	-1.163679	1.320567	0.047915	2.484149	0.479446	-0.206550	0.133005
542	11671	-1.325778	1.242501	0.048935	2.502005	0.539566	-0.345031	0.100651
543	11693	-1.482184	1.146199	0.048932	2.494044	0.593271	-0.474050	0.074290
544	11714	-1.634031	1.035195	0.047916	2.461215	0.640038	-0.589203	0.053152
545	11736	-1.781419	0.913347	0.045964	2.405460	0.679278	-0.687814	0.034497
546	11757	-1.923235	0.784427	0.043221	2.329415	0.710451	-0.769167	0.014505
547	11779	-2.057241	0.651759	0.039874	2.236065	0.733226	-0.834421	-0.010658
548	11800	-2.180426	0.517958	0.036133	2.128384	0.747641	-0.886225	-0.043834
549	11822	-2.289543	0.384794	0.032202	2.009023	0.754241	-0.928135	-0.086170
550	11843	-2.381747	0.253188	0.028249	1.880078	0.754151	-0.963915	-0.136848
551	11865	-2.455187	0.123320	0.024385	1.742974	0.749055	-0.996872	-0.193286
552	11886	-2.509424	-0.005171	0.020648	1.598468	0.741073	-1.029312	-0.251761
553	11908	-2.545606	-0.132931	0.016999	1.446759	0.732543	-1.062227	-0.308247
554	11929	-2.566332	-0.260632	0.013335	1.287691	0.725747	-1.095230	-0.359341
555	11951	-2.575238	-0.388729	0.009507	1.120993	0.722603	-1.126744	-0.402992
556	11972	-2.576385	-0.517273	0.005348	0.946542	0.724403	-1.154391	-0.438910
557	11994	-2.573561	-0.645800	0.000703	0.764578	0.731623	-1.175493	-0.468561
558	12016	-2.569645	-0.773297	-0.004535	0.575870	0.743855	-1.187605	-0.494754
559	12037	-2.566156	-0.898249	-0.010407	0.381787	0.759876	-1.188958	-0.520913
560	12059	-2.563067	-1.018759	-0.016870	0.184287	0.777843	-1.178771	-0.550211
561	12080	-2.558939	-1.132714	-0.023797	-0.014184	0.795582	-1.157365	-0.584729
562	12102	-2.551312	-1.237990	-0.030988	-0.210862	0.810930	-1.126084	-0.624853
563	12123	-2.537292	-1.332657	-0.038188	-0.402872	0.822059	-1.087052	-0.669000
564	12145	-2.514191	-1.415165	-0.045122	-0.587454	0.827739	-1.042826	-0.713764
565	12166	-2.480100	-1.484488	-0.051516	-0.762176	0.827475	-0.996003	-0.754432
566	12188	-2.434260	-1.540209	-0.057136	-0.925106	0.821525	-0.948869	-0.785778
567	12209	-2.377177	-1.582527	-0.061808	-1.074934	0.810769	-0.903127	-0.802995
568	12231	-2.310460	-1.612199	-0.065431	-1.211027	0.796482	-0.859755	-0.802579
569	12252	-2.236421	-1.630409	-0.067984	-1.333417	0.780046	-0.819001	-0.783010
570	12274	-2.157550	-1.638599	-0.069520	-1.442730	0.762666	-0.780490	-0.745112
571	12295	-2.075964	-1.638274	-0.070153	-1.540061	0.745137	-0.743418	-0.692021
572	12317	-1.992977	-1.630828	-0.070042	-1.626816	0.727716	-0.706789	-0.628774
573	12339	-1.908862	-1.617394	-0.069364	-1.704536	0.710107	-0.669638	-0.561577
574	12360	-1.822875	-1.598758	-0.068305	-1.774722	0.691578	-0.631213	-0.496879
575	12382	-1.733510	-1.575347	-0.067037	-1.838673	0.671151	-0.591087	-0.440397
576	12403	-1.638942	-1.547264	-0.065714	-1.897365	0.647854	-0.549189	-0.396251
577	12425	-1.537545	-1.514391	-0.064466	-1.951369	0.620947	-0.505769	-0.366344
578	12446	-1.428387	-1.476500	-0.063400	-2.000817	0.590103	-0.461303	-0.350088
579	12468	-1.311460	-1.433374	-0.062601	-2.045424	0.555473	-0.416383	-0.344530
580	12489	-1.187980	-1.384898	-0.062139	-2.084550	0.517653	-0.371592	-0.344856
581	12511	-1.060039	-1.331110	-0.062063	-2.117310	0.477540	-0.327419	-0.345204
582	12532	-0.930339	-1.272208	-0.062407	-2.142698	0.436114	-0.284191	-0.339657
583	12554	-0.801652	-1.208513	-0.063180	-2.159727	0.394211	-0.242062	-0.323251
584	12575	-0.676272	-1.140423	-0.064359	-2.167574	0.352310	-0.201029	-0.292844
585	12597	-0.555546	-1.068354	-0.065886	-2.165695	0.310422	-0.160976	-0.247662
586	12618	-0.439580	-0.992715	-0.067659	-2.153926	0.268073	-0.121739	-0.189455
587	12640	-0.327210	-0.913902	-0.069529	-2.132541	0.224420	-0.083162	-0.122182
588	12662	-0.216228	-0.832332	-0.071331	-2.102278	0.178459	-0.045142	-0.051303
589	12683	-0.103829	-0.748497	-0.072788	-2.064317	0.129291	-0.007661	0.017235
590	12705	0.012791	-0.663018	-0.073736	-2.020223	0.076390	0.029213	0.078104
591	12726	0.135822	-0.576678	-0.073941	-1.971851	0.019812	0.065347	0.127621
592	12748	0.266326	-0.490409	-0.073227	-1.921213	-0.039716	0.100570	0.164451
593	12769	0.403927	-0.405224	-0.071475	-1.870329	-0.100831	0.134725	0.189861
594	12791	0.546778	-0.322097	-0.068646	-1.821051	-0.161722	0.167711	0.207456
595	12812	0.691817	-0.241808	-0.064787	-1.774897	-0.220427	0.199518	0.222423
596	12834	0.835263	-0.164788	-0.060030	-1.732889	-0.275178	0.230252	0.240447
597	12855	0.973272	-0.090989	-0.054589	-1.695426	-0.324749	0.260135	0.266497
598	12877	1.102613	-0.019834	-0.048731	-1.662200	-0.368714	0.289483	0.303766
599	12898	1.221236	0.049750	-0.042759	-1.632191	-0.407570	0.318664	0.352976
600	12920	1.328613	0.119196	-0.036973	-1.603714	-0.442685	0.348040	0.412232
601	12941	1.425782	0.190073	-0.031646	-1.574570	-0.476084	0.377894	0.477394
602	12963	1.515057	0.263820	-0.026996	-1.542244	-0.510089	0.408371	0.543340
603	12985	1.599485	0.341465	-0.023164	-1.504171	-0.546888	0.439414	0.604551
604	13006	1.682115	0.423394	-0.020206	-1.458018	-0.588112	0.470741	0.657009
605	13028	1.765254	0.509219	-0.018086	-1.401958	-0.634491	0.501837	0.698834
606	13049	1.849836	0.597759	-0.016690	-1.334896	-0.685667	0.531990	0.730785
607	13071	1.935050	0.687158	-0.015834	-1.256613	-0.740197	0.560351	0.756044
608	13092	2.018304	0.775121	-0.015287	-1.167805	-0.795758	0.586028	0.779373
609	13114	2.095542	0.859226	-0.014795	-1.070014	-0.849509	0.608179	0.805834
610	13135	2.161865	0.937265	-0.014101	-0.965433	-0.898555	0.626112	0.839368
611	13157	2.212337	1.007560	-0.012966	-0.856639	-0.940432	0.639363	0.881591
612	13178	2.242822	1.069200	-0.011192	-0.746265	-0.973506	0.647740	0.931127
613	13200	2.250686	1.122155	-0.008627	-0.636656	-0.997233	0.651331	0.983686
614	13221	2.235238	1.167270	-0.005180	-0.529563	-1.012221	0.650466	1.032920
615	13243	2.197815	1.206121	-0.000827	-0.425908	-1.020086	0.645644	1.071899
616	13264	2.141503	1.240769	0.004397	-0.325647	-1.023131	0.637431	1.094673
617	13286	2.070554	1.273451	0.010390	-0.227746	-1.023906	0.626356	1.098916
618	13308	1.989627	1.306253	0.017004	-0.130279	-1.024744	0.612803	1.085005
619	13329	1.902993	1.340806	0.024042	-0.030613	-1.027340	0.596937	1.058237
620	13351	1.813877	1.378043	0.031284	0.074316	-1.032475	0.578663	1.027037
621	13372	1.724041	1.418059	0.038496	0.187698	-1.039908	0.557617	1.001482
622	13394	1.633693	1.460059	0.045455	0.312519	-1.048466	0.533216	0.991051
623	13415	1.541706	1.502420	0.051964	0.451258	-1.056298	0.504727	1.002306
624	13437	1.446083	1.542846	0.057873	0.605613	-1.061243	0.471372	1.037034
625	13458	1.344544	1.578587	0.063096	0.776301	-1.061224	0.432428	1.091332
626	13480	1.235115	1.606707	0.067619	0.962917	-1.054600	0.387343	1.155904
627	13501	1.116572	1.624380	0.071507	1.163882	-1.040402	0.335817	1.217585
628	13523	0.988676	1.629153	0.074894	1.376473	-1.018408	0.277872	1.261823
629	13544	0.852155	1.619191	0.077975	1.596941	-0.989055	0.213883	1.275609
630	13566	0.708472	1.593437	0.080984	1.820714	-0.953222	0.144584	1.250218
631	13587	0.559458	1.551705	0.084160	2.042678	-0.911923	0.071047	1.183127
632	13609	0.406916	1.494668	0.087726	2.257528	-0.866003	-0.005369	1.078669
633	13631	0.252302	1.423752	0.091851	2.460147	-0.815887	-0.083089	0.947199
634	13652	0.096557	1.340956	0.096629	2.646009	-0.761466	-0.160396	0.802928
635	13674	-0.059856	1.248600	0.102061	2.811538	-0.702113	-0.235524	0.660879
636	13695	-0.216754	1.149052	0.108048	2.954399	-0.636860	-0.306749	0.533599
637	13717	-0.373910	1.044472	0.114397	3.073663	-0.564673	-0.372472	0.428405
638	13738	-0.530713	0.936600	0.120836	3.169830	-0.484768	-0.431298	0.345755
639	13760	-0.685895	0.826633	0.127043	3.244673	-0.396904	-0.482101	0.279188
640	13781	-0.837398	0.715204	0.132677	3.300924	-0.301577	-0.524063	0.216825
641	13803	-0.982437	0.602472	0.137416	3.341822	-0.200066	-0.556693	0.144170
642	13824	-1.117728	0.488301	0.140986	3.370577	-0.094322	-0.579824	0.047562
643	13846	-1.239854	0.372497	0.143189	3.389816	0.013294	-0.593583	-0.082493
644	13867	-1.345683	0.255059	0.143919	3.401093	0.120362	-0.598341	-0.248654
645	13889	-1.432752	0.136401	0.143171	3.404538	0.224786	-0.594652	-0.446742
646	13910	-1.499543	0.017487	0.141028	3.398702	0.325120	-0.583183	-0.664428
647	13932	-1.545607	-0.100130	0.137652	3.380627	0.420777	-0.564649	-0.885486
648	13954	-1.571520	-0.214394	0.133257	3.346160	0.512066	-0.539764	-1.092105
649	13975	-1.578695	-0.322928	0.128083	3.290463	0.600053	-0.509196	-1.268715
650	13997	-1.569105	-0.423297	0.122367	3.208665	0.686263	-0.473562	-1.405101
651	14018	-1.544987	-0.513292	0.116323	3.096558	0.772281	-0.433419	-1.498305
652	14040	-1.508563	-0.591193	0.110121	2.951259	0.859326	-0.389292	-1.552865
653	14061	-1.461853	-0.655965	0.103877	2.771728	0.947883	-0.341693	-1.579365
654	14083	-1.406568	-0.707349	0.097649	2.559068	1.037464	-0.291158	-1.591635
655	14104	-1.344088	-0.745843	0.091441	2.316571	1.126544	-0.238266	-1.603252
656	14126	-1.275498	-0.772575	0.085213	2.049489	1.212698	-0.183655	-1.624189
657	14147	-1.201639	-0.789093	0.078888	1.764561	1.292903	-0.128022	-1.658381
658	14169	-1.123156	-0.797118	0.072367	1.469364	1.363972	-0.072116	-1.702794
659	14190	-1.040506	-0.798305	0.065544	1.171568	1.423018	-0.016710	-1.748008
660	14212	-0.953951	-0.794044	0.058310	0.878201	1.467897	0.037426	-1.781525
661	14233	-0.863528	-0.785347	0.050572	0.595015	1.497528	0.089554	-1.789061
662	14255	-0.769042	-0.772820	0.042249	0.326045	1.512041	0.138999	-1.760016
663	14277	-0.670099	-0.756728	0.033289	0.073405	1.512739	0.185171	-1.689314
664	14298	-0.566190	-0.737124	0.023668	-0.162656	1.501861	0.227577	-1.579111
665	14320	-0.456841	-0.714018	0.013399	-0.383462	1.482214	0.265830	-1.438613
666	14341	-0.341798	-0.687537	0.002534	-0.591426	1.456716	0.299647	-1.282022
667	14363	-0.221211	-0.658064	-0.008835	-0.789461	1.427934	0.328843	-1.126450
668	14384	-0.095791	-0.626298	-0.020572	-0.980370	1.397710	0.353326	-0.986307
669	14406	0.033113	-0.593258	-0.032503	-1.166311	1.366904	0.373087	-0.872010
670	14427	0.163535	-0.560193	-0.044428	-1.348408	1.335326	0.388193	-0.786793
671	14449	0.293008	-0.528458	-0.056129	-1.526564	1.301839	0.398785	-0.726315
672	14470	0.418775	-0.499333	-0.067391	-1.699489	1.264620	0.405070	-0.679824
673	14492	0.538040	-0.473863	-0.078020	-1.864927	1.221535	0.407323	-0.632788
674	14513	0.648231	-0.452716	-0.087861	-2.020047	1.170557	0.405874	-0.573487
675	14535	0.747227	-0.436103	-0.096816	-2.161906	1.110157	0.401106	-0.481055
676	14556	0.833504	-0.423771	-0.104857	-2.287930	1.039609	0.393431	-0.359253
677	14578	0.906197	-0.415078	-0.112021	-2.396307	0.959163	0.383272	-0.206834
678	14600	0.965080	-0.409130	-0.118410	-2.486256	0.870054	0.371034	-0.032713
679	14621	1.010465	-0.404970	-0.124168	-2.558108	0.774362	0.357069	0.149077
680	14643	1.043075	-0.401777	-0.129460	-2.613207	0.674742	0.341644	0.322450
681	14664	1.063904	-0.399055	-0.134443	-2.653653	0.574071	0.324909	0.472751
682	14686	1.074095	-0.396754	-0.139233	-2.681930	0.475086	0.306880	0.589820
683	14707	1.074860	-0.395330	-0.143933	-2.700490	0.380042	0.287436	0.669972
684	14729	1.067428	-0.395701	-0.148367	-2.711379	0.290477	0.266333	0.716433
685	14750	1.053023	-0.399117	-0.152572	-2.715942	0.207085	0.243246	0.738189
686	14772	1.032849	-0.406959	-0.156311	-2.714695	0.129740	0.217831	0.747562
687	14793	1.008067	-0.420491	-0.159341	-2.707346	0.057628	0.189793	0.755170
688	14815	0.979749	-0.440624	-0.161399	-2.692878	-0.010513	0.158966	0.776658
689	14836	0.948813	-0.467703	-0.162232	-2.670353	-0.076110	0.125383	0.810986
690	14858	0.915940	-0.501393	-0.161644	-2.638268	-0.140476	0.089318	0.858999
691	14879	0.881495	-0.540651	-0.159521	-2.595904	-0.204573	0.051293	0.914227
692	14901	0.845480	-0.583818	-0.155855	-2.543096	-0.268877	0.012044	0.966686
693	14923	0.807513	-0.628802	-0.150752	-2.480469	-0.333332	-0.027562	1.005528
694	14944	0.766885	-0.673326	-0.144418	-2.409408	-0.397422	-0.066639	1.021843
695	14966	0.722646	-0.715204	-0.137140	-2.331884	-0.460328	-0.104425	1.010918
696	14987	0.673757	-0.752580	-0.129245	-2.250128	-0.521124	-0.140413	0.973414
697	15009	0.619247	-0.784105	-0.121060	-2.166256	-0.578990	-0.174457	0.915209
698	15030	0.558379	-0.809011	-0.112867	-2.081878	-0.633382	-0.206825	0.845973
699	15052	0.490780	-0.827079	-0.104865	-1.997783	-0.684134	-0.238187	0.776868
700	15073	0.416518	-0.838509	-0.097148	-1.913766	-0.731468	-0.269520	0.717937
701	15095	0.336125	-0.843720	-0.089694	-1.828625	-0.775916	-0.301950	0.675853
702	15116	0.250552	-0.843136	-0.082376	-1.740354	-0.818164	-0.336548	0.652550
703	15138	0.161063	-0.836993	-0.074987	-1.646494	-0.858869	-0.374109	0.645063
704	15159	0.069100	-0.825211	-0.067275	-1.544600	-0.898464	-0.414957	0.646566
705	15181	-0.023878	-0.807363	-0.058998	-1.432742	-0.937011	-0.458817	0.648327
706	15202	-0.116543	-0.782740	-0.049964	-1.309957	-0.974127	-0.504769	0.642059
707	15224	-0.207825	-0.750496	-0.040073	-1.176562	-1.008996	-0.551320	0.622061
708	15246	-0.296992	-0.709835	-0.029348	-1.034277	-1.040477	-0.596572	0.586620
709	15267	-0.383674	-0.660214	-0.017944	-0.886114	-1.067276	-0.638476	0.538326
710	15289	-0.467835	-0.601492	-0.006138	-0.736033	-1.088156	-0.675123	0.483248
711	15310	-0.549681	-0.534017	0.005695	-0.588433	-1.102151	-0.705029	0.429200
712	15332	-0.629535	-0.458618	0.017128	-0.447514	-1.108728	-0.727367	0.383561
713	15353	-0.707681	-0.376517	0.027735	-0.316647	-1.107885	-0.742087	0.351228
714	15375	-0.784213	-0.289181	0.037144	-0.197831	-1.100150	-0.749925	0.333229
715	15396	-0.858911	-0.198143	0.045088	-0.091343	-1.086495	-0.752268	0.326375
716	15418	-0.931168	-0.104836	0.051448	0.004358	-1.068170	-0.750915	0.324039
717	15439	-0.999986	-0.010480	0.056268	0.092444	-1.046499	-0.747769	0.317883
718	15461	-1.064057	0.083978	0.059757	0.177262	-1.022662	-0.744503	0.300088
719	15482	-1.121915	0.177854	0.062267	0.263691	-0.997520	-0.742275	0.265536
720	15504	-1.172139	0.270662	0.064249	0.356379	-0.971495	-0.741531	0.213364
721	15525	-1.213585	0.362027	0.066194	0.459015	-0.944533	-0.741931	0.147482
722	15547	-1.245585	0.451607	0.068571	0.573721	-0.916162	-0.742416	0.075903
723	15569	-1.268088	0.539036	0.071763	0.700690	-0.885609	-0.741402	0.009003
724	15590	-1.281707	0.623917	0.076007	0.838117	-0.851981	-0.737058	-0.042880
725	15612	-1.287642	0.705851	0.081363	0.982434	-0.814454	-0.727623	-0.071941
726	15633	-1.287498	0.784487	0.087696	1.128824	-0.772447	-0.711703	-0.074893
727	15655	-1.283017	0.859586	0.094686	1.271916	-0.725747	-0.688492	-0.053948
728	15676	-1.275769	0.930933	0.101867	1.406549	-0.674577	-0.657883	-0.016539
729	15698	-1.266861	0.998490	0.108681	1.528474	-0.619577	-0.620448	0.026171
730	15719	-1.256717	1.062097	0.114548	1.634891	-0.561725	-0.577303	0.061686
731	15741	-1.244979	1.121428	0.118947	1.724712	-0.502208	-0.529880	0.078912
732	15762	-1.230546	1.175814	0.121484	1.798538	-0.442260	-0.479656	0.070628
733	15784	-1.211751	1.224125	0.121949	1.858347	-0.383010	-0.427900	0.035092
734	15805	-1.186645	1.264732	0.120350	1.906968	-0.325346	-0.375472	-0.023550
735	15827	-1.153345	1.295577	0.116918	1.947442	-0.269838	-0.322728	-0.096184
736	15848	-1.110364	1.314367	0.112086	1.982393	-0.216709	-0.269525	-0.170739
737	15870	-1.056896	1.318873	0.106433	2.013524	-0.165871	-0.215344	-0.234850
738	15892	-0.992977	1.307287	0.100614	2.041319	-0.117000	-0.159477	-0.278549
739	15913	-0.919520	1.278581	0.095273	2.065016	-0.069659	-0.101260	-0.296398
740	15935	-0.838211	1.232784	0.090962	2.082822	-0.023410	-0.040282	-0.288578
741	15956	-0.751293	1.171122	0.088063	2.092341	0.022061	0.023451	-0.260716
742	15978	-0.661275	1.095976	0.086734	2.091108	0.066872	0.089453	-0.222516
743	15999	-0.570614	1.010649	0.086886	2.077127	0.110903	0.156779	-0.185518
744	16021	-0.481421	0.918972	0.088193	2.049314	0.153810	0.224146	-0.160519
745	16042	-0.395220	0.824810	0.090124	2.007756	0.195084	0.290121	-0.155241
746	16064	-0.312795	0.731552	0.092016	1.953749	0.234149	0.353325	-0.172758
747	16085	-0.234129	0.641683	0.093155	1.889614	0.270469	0.412633	-0.211014
748	16107	-0.158434	0.556498	0.092868	1.818342	0.303675	0.467318	-0.263508
749	16128	-0.084265	0.476025	0.090608	1.743130	0.333649	0.517113	-0.320938
750	16150	-0.009704	0.399166	0.086020	1.666914	0.360585	0.562205	-0.373416
751	16171	0.067414	0.324011	0.078994	1.591978	0.385001	0.603133	-0.412707
752	16193	0.149240	0.248277	0.069668	1.519693	0.407695	0.640653	-0.434008
753	16215	0.237645	0.169790	0.058414	1.450436	0.429659	0.675572	-0.436869
754	16236	0.333972	0.086898	0.045791	1.383670	0.451958	0.708599	-0.425081
755	16258	0.438831	-0.001233	0.032476	1.318156	0.475589	0.740239	-0.405612
756	16279	0.551967	-0.094499	0.019183	1.252236	0.501349	0.770734	-0.386877
757	16301	0.672215	-0.191918	0.006584	1.184127	0.529719	0.800070	-0.376753
758	16322	0.797575	-0.291842	-0.004766	1.112169	0.560789	0.828027	-0.380830
759	16344	0.925392	-0.392263	-0.014479	1.034993	0.594229	0.854248	-0.401262
760	16365	1.052626	-0.491136	-0.022362	0.951593	0.629312	0.878320	-0.436469
761	16387	1.176184	-0.586654	-0.028425	0.861323	0.664987	0.899825	-0.481707
762	16408	1.293252	-0.677414	-0.032855	0.763851	0.699976	0.918369	-0.530314
763	16430	1.401590	-0.762460	-0.035975	0.659096	0.732908	0.933568	-0.575320
764	16451	1.499712	-0.841191	-0.038189	0.547207	0.762449	0.945017	-0.611008
765	16473	1.586955	-0.913188	-0.039925	0.428574	0.787422	0.952254	-0.634071
766	16494	1.663393	-0.978014	-0.041578	0.303891	0.806902	0.954732	-0.644102
767	16516	1.729647	-1.035034	-0.043460	0.174242	0.820281	0.951837	-0.643355
768	16538	1.786613	-1.083326	-0.045775	0.041177	0.827292	0.942944	-0.635867
769	16559	1.835188	-1.121701	-0.048602	-0.093267	0.827993	0.927509	-0.626201
770	16581	1.876048	-1.148838	-0.051895	-0.226614	0.822724	0.905201	-0.618150
771	16602	1.909515	-1.163507	-0.055505	-0.356099	0.812037	0.876020	-0.613713
772	16624	1.935556	-1.164833	-0.059205	-0.478903	0.796606	0.840399	-0.612613
773	16645	1.953883	-1.152533	-0.062722	-0.592432	0.777146	0.799240	-0.612443
774	16667	1.964117	-1.127080	-0.065775	-0.694613	0.754328	0.753881	-0.609393
775	16688	1.965968	-1.089745	-0.068103	-0.784128	0.728722	0.705980	-0.599345
776	16710	1.959357	-1.042501	-0.069489	-0.860522	0.700761	0.657332	-0.579061
777	16731	1.944433	-0.987810	-0.069781	-0.924377	0.670735	0.609640	-0.547135
778	16753	1.921486	-0.928318	-0.068901	-0.976840	0.638817	0.564296	-0.504486
779	16774	1.890754	-0.866525	-0.066843	-1.019716	0.605114	0.522179	-0.454255
780	16796	1.852205	-0.804491	-0.063673	-1.054971	0.569731	0.483546	-0.401126
781	16817	1.805337	-0.743624	-0.059521	-1.084435	0.532844	0.448009	-0.350256
782	16839	1.749110	-0.684592	-0.054564	-1.109514	0.494752	0.414615	-0.306051
783	16860	1.682036	-0.627370	-0.049021	-1.131006	0.455918	0.382026	-0.271120
784	16882	1.602446	-0.571404	-0.043134	-1.149046	0.416955	0.348754	-0.245635
785	16904	1.508916	-0.515848	-0.037154	-1.163194	0.378585	0.313414	-0.227285
786	16925	1.400742	-0.459843	-0.031328	-1.172622	0.341554	0.274959	-0.211823
787	16947	1.278381	-0.402755	-0.025886	-1.176381	0.306520	0.232854	-0.194096
788	16968	1.143715	-0.344350	-0.021024	-1.173669	0.273933	0.187151	-0.169309
789	16990	1.000060	-0.284871	-0.016894	-1.164055	0.243933	0.138471	-0.134240
790	17011	0.851875	-0.225004	-0.013592	-1.147617	0.216287	0.087891	-0.088142
791	17033	0.704189	-0.165764	-0.011151	-1.124962	0.190388	0.036761	-0.033020
792	17054	0.561844	-0.108310	-0.009538	-1.097144	0.165314	-0.013513	0.026599
793	17076	0.428681	-0.053754	-0.008656	-1.065482	0.139960	-0.061676	0.084561
794	17097	0.306863	-0.002986	-0.008351	-1.031345	0.113214	-0.106804	0.134312
795	17119	0.196460	0.043441	-0.008424	-0.995925	0.084152	-0.148402	0.170245
796	17140	0.095413	0.085359	-0.008653	-0.960065	0.052215	-0.186440	0.188862
797	17162	-0.000092	0.122949	-0.008810	-0.924151	0.017335	-0.221302	0.189490
798	17183	-0.094900	0.156653	-0.008691	-0.888104	-0.020023	-0.253678	0.174416
799	17205	-0.193944	0.187046	-0.008124	-0.851453	-0.058911	-0.284418	0.148397
800	17227	-0.301266	0.214700	-0.007002	-0.813471	-0.098042	-0.314369	0.117670
801	17248	-0.419203	0.240073	-0.005288	-0.773349	-0.135999	-0.344233	0.088677
802	17270	-0.547889	0.263436	-0.003016	-0.730369	-0.171479	-0.374447	0.066773
803	17291	-0.685191	0.284887	-0.000295	-0.684043	-0.203522	-0.405125	0.055196
804	17313	-0.827073	0.304418	0.002709	-0.634207	-0.231678	-0.436032	0.054500
805	17334	-0.968313	0.321188	0.005792	-0.581051	-0.256074	-0.466624	0.062565
806	17356	-1.103419	0.335568	0.008735	-0.525092	-0.277385	-0.496114	0.075164
807	17377	-1.227556	0.347055	0.011329	-0.467108	-0.296677	-0.523578	0.086942
808	17399	-1.337283	0.355477	0.013404	-0.408034	-0.315191	-0.548064	0.092601
809	17420	-1.430968	0.360794	0.014845	-0.348858	-0.334083	-0.568714	0.088032
810	17442	-1.508817	0.363106	0.015613	-0.290522	-0.354181	-0.584871	0.071159
811	17463	-1.572528	0.362639	0.015742	-0.233831	-0.375811	-0.596165	0.042339
812	17485	-1.624684	0.359716	0.015340	-0.179394	-0.398733	-0.602566	0.004243
813	17506	-1.668037	0.354717	0.014576	-0.127588	-0.422180	-0.604401	-0.038724
814	17528	-1.704859	0.348044	0.013651	-0.078543	-0.445017	-0.602319	-0.081332
815	17550	-1.736508	0.340096	0.012781	-0.032152	-0.465970	-0.597223	-0.118559
816	17571	-1.763292	0.331248	0.012164	0.011891	-0.483878	-0.590150	-0.146532
817	17593	-1.784649	0.321833	0.011956	0.054036	-0.497926	-0.582132	-0.163187
818	17614	-1.799565	0.312140	0.012248	0.094805	-0.507790	-0.574042	-0.168527
819	17636	-1.807108	0.302394	0.013059	0.134698	-0.513685	-0.566464	-0.164463
820	17657	-1.806927	0.292749	0.014328	0.174099	-0.516300	-0.559583	-0.154277
821	17679	-1.799569	0.283273	0.015927	0.213188	-0.516625	-0.553150	-0.141854
822	17700	-1.786530	0.273939	0.017675	0.251876	-0.515733	-0.546511	-0.130861
823	17722	-1.770021	0.264625	0.019363	0.289776	-0.514546	-0.538700	-0.124028
824	17743	-1.752493	0.255133	0.020782	0.326221	-0.513644	-0.528612	-0.122694
825	17765	-1.736049	0.245214	0.021744	0.360345	-0.513162	-0.515196	-0.126673
826	17786	-1.721879	0.234623	0.022112	0.391196	-0.512787	-0.497659	-0.134452
827	17808	-1.709867	0.223172	0.021812	0.417899	-0.511861	-0.475643	-0.143651
828	17829	-1.698468	0.210785	0.020836	0.439814	-0.509560	-0.449325	-0.151618
829	17851	-1.684899	0.197536	0.019246	0.456679	-0.505106	-0.419437	-0.156034
830	17873	-1.665596	0.183665	0.017157	0.468704	-0.497965	-0.387177	-0.155369
831	17894	-1.636853	0.169555	0.014721	0.476588	-0.487982	-0.354043	-0.149138
832	17916	-1.595493	0.155680	0.012103	0.481460	-0.475429	-0.321591	-0.137877
833	17937	-1.539436	0.142522	0.009463	0.484734	-0.460950	-0.291182	-0.122903
834	17959	-1.468043	0.130476	0.006934	0.487908	-0.445416	-0.263749	-0.105904
835	17980	-1.382174	0.119761	0.004611	0.492332	-0.429735	-0.239624	-0.088482
836	18002	-1.283965	0.110352	0.002542	0.498991	-0.414641	-0.218474	-0.071756
837	18023	-1.176401	0.101958	0.000734	0.508325	-0.400535	-0.199348	-0.056110
838	18045	-1.062778	0.094047	-0.000842	0.520145	-0.387387	-0.180825	-0.041143
839	18066	-0.946198	0.085923	-0.002238	0.533631	-0.374744	-0.161258	-0.025818
840	18088	-0.829180	0.076842	-0.003513	0.547444	-0.361823	-0.139050	-0.008765
841	18109	-0.713482	0.066153	-0.004719	0.559908	-0.347683	-0.112929	0.011340
842	18131	-0.600112	0.053423	-0.005892	0.569258	-0.331421	-0.082166	0.035415
843	18152	-0.489515	0.038543	-0.007044	0.573885	-0.312368	-0.046708	0.063717
844	18174	-0.381830	0.021771	-0.008163	0.572570	-0.290222	-0.007194	0.095739
845	18196	-0.277139	0.003724	-0.009218	0.564641	-0.265116	0.035142	0.130290
846	18217	-0.175619	-0.014707	-0.010168	0.550054	-0.237582	0.078652	0.165719
847	18239	-0.077561	-0.032489	-0.010970	0.529368	-0.208448	0.121532	0.200230
848	18260	0.016754	-0.048601	-0.011591	0.503641	-0.178670	0.162074	0.232214
849	18282	0.107260	-0.062203	-0.012015	0.474260	-0.149155	0.198909	0.260510
850	18303	0.194321	-0.072760	-0.012247	0.442737	-0.120597	0.231169	0.284545
851	18325	0.278870	-0.080125	-0.012315	0.410504	-0.093376	0.258571	0.304334
852	18346	0.362399	-0.084546	-0.012262	0.378745	-0.067514	0.281397	0.320338
853	18368	0.446781	-0.086603	-0.012146	0.348281	-0.042719	0.300384	0.333241
854	18389	0.533933	-0.087096	-0.012024	0.319521	-0.018482	0.316562	0.343698
855	18411	0.625397	-0.086886	-0.011947	0.292490	0.005789	0.331043	0.352135
856	18432	0.721925	-0.086733	-0.011954	0.266897	0.030628	0.344830	0.358650
857	18454	0.823187	-0.087161	-0.012062	0.242258	0.056396	0.358649	0.363036
858	18475	0.927663	-0.088367	-0.012272	0.218012	0.083208	0.372853	0.364926
859	18497	1.032778	-0.090197	-0.012564	0.193650	0.110916	0.387386	0.364008
860	18519	1.135261	-0.092183	-0.012902	0.168797	0.139147	0.401826	0.360248
861	18540	1.231656	-0.093647	-0.013240	0.143274	0.167371	0.415485	0.354058
862	18562	1.318886	-0.093836	-0.013528	0.117106	0.195000	0.427548	0.346340
863	18583	1.394748	-0.092065	-0.013711	0.090507	0.221473	0.437223	0.338386
864	18605	1.458232	-0.087855	-0.013740	0.063826	0.246332	0.443879	0.331646
865	18626	1.509601	-0.081019	-0.013568	0.037490	0.269261	0.447153	0.327402
866	18648	1.550208	-0.071697	-0.013153	0.011938	0.290094	0.447003	0.326430
867	18669	1.582097	-0.060332	-0.012460	-0.012433	0.308802	0.443710	0.328733
868	18691	1.607478	-0.047589	-0.011457	-0.035304	0.325449	0.437819	0.333413
869	18712	1.628190	-0.034244	-0.010122	-0.056455	0.340161	0.430050	0.338746
870	18734	1.645263	-0.021054	-0.008443	-0.075765	0.353081	0.421176	0.342434
871	18755	1.658667	-0.008639	-0.006424	-0.093196	0.364350	0.411896	0.342031
872	18777	1.667310	0.002607	-0.004083	-0.108778	0.374090	0.402736	0.335419
873	18798	1.669253	0.012554	-0.001464	-0.122576	0.382405	0.393969	0.321274
874	18820	1.662106	0.021334	0.001368	-0.134674	0.389374	0.385594	0.299386
875	18842	1.643509	0.029287	0.004323	-0.145159	0.395059	0.377358	0.270779
876	18863	1.611591	0.036879	0.007293	-0.154111	0.399499	0.368819	0.237579
877	18885	1.565325	0.044602	0.010158	-0.161604	0.402698	0.359448	0.202663
878	18906	1.504708	0.052885	0.012796	-0.167706	0.404623	0.348735	0.169128
879	18928	1.430741	0.062028	0.015098	-0.172485	0.405197	0.336293	0.139724
880	18949	1.345242	0.072159	0.016975	-0.176010	0.404305	0.321930	0.116337
881	18971	1.250528	0.083244	0.018376	-0.178355	0.401810	0.305682	0.099648
882	18992	1.149058	0.095119	0.019288	-0.179592	0.397578	0.287798	0.089039
883	19014	1.043098	0.107552	0.019745	-0.179785	0.391515	0.268675	0.082776
884	19035	0.934484	0.120309	0.019824	-0.178985	0.383592	0.248776	0.078417
885	19057	0.824504	0.133215	0.019636	-0.177221	0.373872	0.228518	0.073383
886	19078	0.713920	0.146196	0.019318	-0.174505	0.362510	0.208181	0.065542
887	19100	0.603092	0.159285	0.019011	-0.170830	0.349729	0.187848	0.053705
888	19121	0.492168	0.172603	0.018853	-0.166190	0.335791	0.167386	0.037906
889	19143	0.381285	0.186308	0.018956	-0.160591	0.320935	0.146483	0.019413
890	19165	0.270746	0.200534	0.019402	-0.154074	0.305332	0.124724	0.000461
891	19186	0.161115	0.215319	0.020225	-0.146734	0.289041	0.101700	-0.016244
892	19208	0.053242	0.230557	0.021418	-0.138728	0.271990	0.077128	-0.028133
893	19229	-0.051787	0.245970	0.022933	-0.130282	0.253992	0.050943	-0.033375
894	19251	-0.152757	0.261114	0.024686	-0.121676	0.234785	0.023356	-0.031339
895	19272	-0.248448	0.275424	0.026569	-0.113225	0.214105	-0.005138	-0.022807
896	19294	-0.337755	0.288281	0.028464	-0.105245	0.191758	-0.033819	-0.009901
897	19315	-0.419777	0.299105	0.030255	-0.098014	0.167700	-0.061839	0.004282
898	19337	-0.493855	0.307440	0.031836	-0.091737	0.142087	-0.088352	0.016232
899	19358	-0.559576	0.313025	0.033124	-0.086513	0.115287	-0.112637	0.022697
900	19380	-0.616735	0.315837	0.034058	-0.082318	0.087864	-0.134210	0.021301
901	19401	-0.665282	0.316093	0.034603	-0.079003	0.060509	-0.152876	0.011006
902	19423	-0.705266	0.314204	0.034748	-0.076310	0.033953	-0.168733	-0.007699
903	19444	-0.736796	0.310706	0.034502	-0.073904	0.008865	-0.182110	-0.032899
904	19466	-0.760017	0.306158	0.033885	-0.071413	-0.014241	-0.193474	-0.061628
905	19488	-0.775115	0.301040	0.032925	-0.068479	-0.035073	-0.203304	-0.090445
906	19509	-0.782339	0.295671	0.031651	-0.064803	-0.053589	-0.211978	-0.116082
907	19531	-0.782023	0.290147	0.030091	-0.060181	-0.069980	-0.219692	-0.136041
908	19552	-0.774613	0.284333	0.028270	-0.054531	-0.084609	-0.226420	-0.149020
909	19574	-0.760677	0.277891	0.026209	-0.047898	-0.097927	-0.231943	-0.155082
910	19595	-0.740901	0.270358	0.023927	-0.040449	-0.110373	-0.235910	-0.155561
911	19617	-0.716058	0.261234	0.021442	-0.032453	-0.122280	-0.237948	-0.152708
912	19638	-0.686973	0.250094	0.018778	-0.024247	-0.133806	-0.237766	-0.149179
913	19660	-0.654472	0.236680	0.015963	-0.016198	-0.144910	-0.235249	-0.147473
914	19681	-0.619333	0.220959	0.013032	-0.008671	-0.155356	-0.230512	-0.149417
915	19703	-0.582248	0.203147	0.010033	-0.001988	-0.164765	-0.223894	-0.155832
916	19724	-0.543798	0.183680	0.007018	0.003596	-0.172692	-0.215915	-0.166406
917	19746	-0.504445	0.163152	0.004047	0.007912	-0.178713	-0.207177	-0.179813
918	19767	-0.464546	0.142224	0.001186	0.010893	-0.182511	-0.198258	-0.194029
919	19789	-0.424379	0.121516	-0.001499	0.012568	-0.183940	-0.189609	-0.206774
920	19811	-0.384179	0.101525	-0.003946	0.013060	-0.183053	-0.181471	-0.215977
921	19832	-0.344173	0.082554	-0.006096	0.012566	-0.180103	-0.173855	-0.220177
922	19854	-0.304617	0.064697	-0.007902	0.011334	-0.175502	-0.166555	-0.218767
923	19875	-0.265816	0.047850	-0.009327	0.009636	-0.169759	-0.159224	-0.212056
924	19897	-0.228130	0.031769	-0.010351	0.007733	-0.163407	-0.151469	-0.201129
925	19918	-0.191969	0.016150	-0.010967	0.005846	-0.156920	-0.142959	-0.187569
926	19940	-0.157766	0.000713	-0.011187	0.004124	-0.150659	-0.133514	-0.173085
927	19961	-0.125941	-0.014719	-0.011039	0.002633	-0.144826	-0.123165	-0.159148
928	19983	-0.096866	-0.030172	-0.010566	0.001337	-0.139460	-0.112158	-0.146702
929	20004	-0.070824	-0.045502	-0.009824	0.000116	-0.134450	-0.100919	-0.136006
930	20026	-0.047980	-0.060414	-0.008881	-0.001223	-0.129576	-0.089968	-0.126638
931	20047	-0.028364	-0.074513	-0.007809	-0.002909	-0.124565	-0.079829	-0.117642
932	20069	-0.011870	-0.087369	-0.006685	-0.005170	-0.119152	-0.070925	-0.107784
933	20090	0.001725	-0.098592	-0.005580	-0.008190	-0.113128	-0.063502	-0.095851
934	20112	0.012737	-0.107891	-0.004559	-0.012078	-0.106383	-0.057589	-0.080928
935	20134	0.021530	-0.115117	-0.003674	-0.016841	-0.098921	-0.053002	-0.062601
936	20155	0.028478	-0.120274	-0.002959	-0.022379	-0.090860	-0.049386	-0.041037
937	20177	0.033928	-0.123505	-0.002433	-0.028494	-0.082407	-0.046293	-0.016944
938	20198	0.038166	-0.125052	-0.002093	-0.034923	-0.073824	-0.043269	0.008577
939	20220	0.041408	-0.125210	-0.001919	-0.041366	-0.065381	-0.039938	0.034250
940	20241	0.043794	-0.124271	-0.001877	-0.047539	-0.057320	-0.036060	0.058862
941	20263	0.045403	-0.122488	-0.001920	-0.053205	-0.049816	-0.031569	0.081463
942	20284	0.046266	-0.120042	-0.002000	-0.058208	-0.042961	-0.026560	0.101497
943	20306	0.046400	-0.117043	-0.002068	-0.062484	-0.036758	-0.021259	0.118841
944	20327	0.045821	-0.113530	-0.002081	-0.066057	-0.031136	-0.015963	0.133752
945	20349	0.044570	-0.109501	-0.002010	-0.069020	-0.025971	-0.010973	0.146736
946	20370	0.042715	-0.104934	-0.001837	-0.071507	-0.021122	-0.006540	0.158389
947	20392	0.040359	-0.099812	-0.001562	-0.073657	-0.016457	-0.002821	0.169235
948	20413	0.037625	-0.094140	-0.001199	-0.075580	-0.011886	0.000136	0.179601
949	20435	0.034650	-0.087948	-0.000773	-0.077339	-0.007371	0.002391	0.189558
950	20457	0.031569	-0.081287	-0.000316	-0.078936	-0.002932	0.004079	0.198922
951	20478	0.028500	-0.074221	0.000139	-0.080318	0.001362	0.005377	0.207322
952	20500	0.025539	-0.066811	0.000560	-0.081390	0.005413	0.006462	0.214308
953	20521	0.022755	-0.059112	0.000923	-0.082035	0.009118	0.007476	0.219457
954	20543	0.020194	-0.051162	0.001216	-0.082142	0.012393	0.008508	0.222479
955	20564	0.017876	-0.042997	0.001437	-0.081627	0.015194	0.009584	0.223267
956	20586	0.015810	-0.034653	0.001593	-0.080445	0.017525	0.010676	0.221911
957	20607	0.013994	-0.026184	0.001703	-0.078599	0.019435	0.011718	0.218654
958	20629	0.012421	-0.017671	0.001788	-0.076134	0.021009	0.012633	0.213824
959	20650	0.011078	-0.009229	0.001873	-0.073132	0.022346	0.013347	0.207750
960	20672	0.009946	-0.001005	0.001975	-0.069693	0.023538	0.013814	0.200686
961	20693	0.008997	0.006836	0.002110	-0.065928	0.024650	0.014015	0.192771
962	20715	0.008197	0.014125	0.002284	-0.061943	0.025704	0.013969	0.184017
963	20736	0.007504	0.020709	0.002495	-0.057835	0.026676	0.013716	0.174348
964	20758	0.006872	0.026470	0.002732	-0.053686	0.027500	0.013313	0.163658
965	20780	0.006257	0.031337	0.002981	-0.049567	0.028086	0.012819	0.151881
966	20801	0.005623	0.035286	0.003224	-0.045535	0.028337	0.012285	0.139065
967	20823	0.004953	0.038342	0.003445	-0.041635	0.028174	0.011747	0.125402
968	20844	0.004242	0.040558	0.003628	-0.037902	0.027551	0.011225	0.111238
969	20866	0.003509	0.042007	0.003767	-0.034356	0.026471	0.010717	0.097039
970	20887	0.002786	0.042765	0.003857	-0.031004	0.024986	0.010212	0.083324
971	20909	0.002114	0.042898	0.003903	-0.027838	0.023189	0.009688	0.070587
972	20930	0.001534	0.042461	0.003910	-0.024835	0.021202	0.009120	0.059211
973	20952	0.001076	0.041501	0.003891	-0.021965	0.019156	0.008490	0.049412
974	20973	0.000759	0.040060	0.003855	-0.019195	0.017170	0.007783	0.041210
975	20995	0.000580	0.038194	0.003812	-0.016501	0.015339	0.006997	0.034432
976	21016	0.000522	0.035972	0.003770	-0.013876	0.013720	0.006141	0.028764
977	21038	0.000553	0.033486	0.003732	-0.011333	0.012331	0.005237	0.023814
978	21059	0.000638	0.030845	0.003699	-0.008908	0.011157	0.004314	0.019198
979	21081	0.000740	0.028168	0.003668	-0.006657	0.010156	0.003409	0.014610
980	21103	0.000830	0.025565	0.003637	-0.004643	0.009277	0.002561	0.009877
981	21124	0.000888	0.023130	0.003599	-0.002923	0.008470	0.001807	0.004981
982	21146	0.000907	0.020922	0.003554	-0.001538	0.007696	0.001174	0.000047
983	21167	0.000886	0.018962	0.003498	-0.000498	0.006935	0.000679	-0.004696
984	21189	0.000831	0.017234	0.003431	0.000222	0.006184	0.000324	-0.008971
985	21210	0.000750	0.015694	0.003357	0.000679	0.005454	0.000095	-0.012520
986	21232	0.000651	0.014283	0.003278	0.000956	0.004767	-0.000033	-0.015157
987	21253	0.000540	0.012947	0.003198	0.001144	0.004145	-0.000094	-0.016800
988	21275	0.000425	0.011645	0.003122	0.001329	0.003604	-0.000126	-0.017487
989	21296	0.000313	0.010365	0.003053	0.001575	0.003154	-0.000159	-0.017359
990	21318	0.000213	0.009119	0.002991	0.001915	0.002792	-0.000219	-0.016624
991	21339	0.000138	0.007941	0.002938	0.002346	0.002505	-0.000315	-0.015518
992	21361	0.000101	0.006873	0.002892	0.002834	0.002275	-0.000448	-0.014259
993	21382	0.000113	0.005954	0.002853	0.003322	0.002084	-0.000603	-0.013011
994	21404	0.000178	0.005204	0.002817	0.003751	0.001913	-0.000765	-0.011870
995	21426	0.000294	0.004618	0.002783	0.004067	0.001752	-0.000910	-0.010863
996	21447	0.000448	0.004167	0.002749	0.004238	0.001595	-0.001025	-0.009963
997	21469	0.000618	0.003805	0.002715	0.004260	0.001442	-0.001100	-0.009112
998	21490	0.000778	0.003476	0.002679	0.004155	0.001299	-0.001135	-0.008255
999	21512	0.000906	0.003134	0.002643	0.003966	0.001174	-0.001138	-0.007353
1000	21533	0.000985	0.002751	0.002607	0.003744	0.001074	-0.001123	-0.006404
1001	21555	0.001011	0.002325	0.002570	0.003539	0.001002	-0.001104	-0.005432
1002	21576	0.000995	0.001881	0.002535	0.003385	0.000959	-0.001095	-0.004482
1003	21598	0.000959	0.001460	0.002500	0.003299	0.000941	-0.001103	-0.003600
1004	21619	0.000930	0.001113	0.002465	0.003273	0.000939	-0.001129	-0.002809
1005	21641	0.000934	0.000881	0.002432	0.003287	0.000946	-0.001167	-0.002103
1006	21662	0.000986	0.000786	0.002399	0.003306	0.000950	-0.001211	-0.001439
1007	21684	0.001089	0.000823	0.002368	0.003301	0.000944	-0.001250	-0.000748
1008	21705	0.001226	0.000963	0.002340	0.003249	0.000919	-0.001279	0.000045
1009	21727	0.001371	0.001156	0.002315	0.003143	0.000873	-0.001293	0.000997
1010	21749	0.001494	0.001349	0.002296	0.002992	0.000806	-0.001294	0.002118
1011	21770	0.001568	0.001497	0.002283	0.002821	0.000723	-0.001288	0.003360
1012	21792	0.001583	0.001577	0.002278	0.002660	0.000629	-0.001279	0.004609
1013	21813	0.001549	0.001598	0.002281	0.002542	0.000533	-0.001276	0.005699
1014	21835	0.001495	0.001593	0.002292	0.002490	0.000445	-0.001280	0.006435
1015	21856	0.001468	0.001620	0.002310	0.002518	0.000374	-0.001292	0.006634
1016	21878	0.001514	0.001737	0.002333	0.002625	0.000326	-0.001309	0.006162
1017	21899	0.001674	0.001992	0.002359	0.002799	0.000305	-0.001326	0.004973
1018	21921	0.001964	0.002404	0.002387	0.003018	0.000311	-0.001337	0.003124
1019	21942	0.002373	0.002957	0.002414	0.003255	0.000339	-0.001339	0.000786
1020	21964	0.002857	0.003597	0.002438	0.003485	0.000382	-0.001333	-0.001780
1021	21985	0.003352	0.004240	0.002458	0.003686	0.000430	-0.001320	-0.004257
1022	22007	0.003781	0.004793	0.002473	0.003840	0.000474	-0.001304	-0.006319
1023	22028	0.004072	0.005166	0.002482	0.003936	0.000505	-0.001292	-0.007683