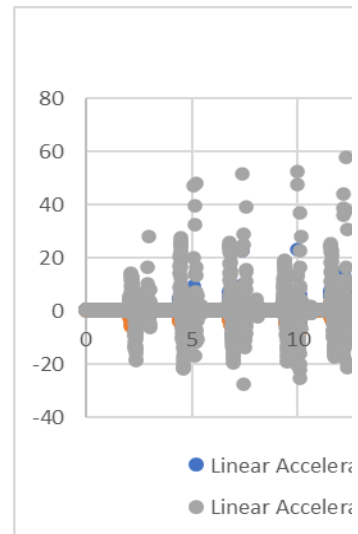


Time (s) Linear Acc Linear Acc Linear Acc Absolute acceleration (m/s^2)

0.012087	0	0	0	0
0.016813	-0.01713	-0.00516	0.032905	0.037454
0.021538	0.02082	-0.02485	0.157533	0.160834
0.026264	0.005948	-0.01055	0.168398	0.168833
0.03099	0.005011	-0.00568	0.090689	0.091005
0.035716	-0.00048	-0.00272	0.024727	0.02488
0.040441	0.004062	0.000843	-0.03931	0.039527
0.045167	-0.00034	-0.0053	0.013764	0.014752
0.049893	0.001052	-0.00776	0.060095	0.060603
0.054618	-0.0011	-0.02523	0.076698	0.080748
0.059344	-0.00752	-0.0055	0.0632	0.063883
0.06407	0.01292	-0.0127	0.043677	0.047285
0.068796	-0.01014	-0.01494	-0.02263	0.028953
0.073521	-0.00828	-0.00374	-0.02101	0.022895
0.078247	0.007921	-0.0256	0.016126	0.031279
0.082973	0.01638	0.003048	0.025215	0.030223
0.087698	-0.01389	-0.00043	0.044002	0.046145
0.092424	0.015028	-0.01725	-0.00025	0.022878
0.09715	0.015257	-0.00605	-0.00137	0.016468
0.101875	0.00311	0.020506	0.011207	0.023575
0.106601	-0.01076	0.000281	0.020931	0.023535
0.111327	0.002274	0.018689	0.035971	0.0406
0.116053	0.005453	-0.00494	-0.01022	0.012597
0.120778	-0.00761	-0.00568	-0.0247	0.026459
0.125504	-0.00753	0.006385	-0.03289	0.03434
0.13023	0.009647	-0.00731	-0.00746	0.014219
0.134955	0.000742	-0.00097	0.010105	0.010178
0.139681	-0.00327	-0.0064	0.040901	0.041528
0.144407	-0.02109	0.004557	-0.00786	0.022964
0.149132	-0.01056	0.007984	0.021316	0.025091
0.153858	-0.00851	-0.00237	0.027582	0.028962
0.158584	-0.02391	0.039707	0.052225	0.069826
0.16331	-0.00404	0.00972	0.013523	0.017137
0.168035	-0.01259	0.001552	0.005003	0.013637
0.172761	-0.00226	-0.00638	0.003703	0.007715
0.177487	-0.00382	0.016145	0.02338	0.028669
0.182212	0.007506	0.009013	0.033233	0.035242
0.186938	0.005765	0.006722	0.033529	0.034679
0.191664	0.001866	0.010226	0.016353	0.019377
0.196389	0.017979	-0.00389	0.005448	0.019185
0.201115	0.019841	0.002193	0.019325	0.027784
0.205841	0.021727	0.011609	0.018867	0.031029
0.210567	0.025988	-0.00139	0.009083	0.027565
0.215292	0.027854	-0.00353	0.017063	0.032856
0.220018	0.032033	0.011962	0.006159	0.034744
0.224744	0.018665	-0.0045	0.011882	0.02258
0.229469	0.012575	-0.0031	0.013972	0.019051
0.234195	0.020771	-0.00407	0.006656	0.022187
0.238921	0.026533	0.012578	0.008866	0.030673
0.243646	0.001693	-0.01563	0.023934	0.028638
0.248372	-0.0121	-0.00699	0.015256	0.02069



0.253098	-0.00562	0.005044	-0.00264	0.007999
0.257824	0.011399	0.003942	0.01033	0.015881
0.262549	-0.0048	0.000583	0.000748	0.004893
0.267275	-0.01959	0.004263	-0.00514	0.020692
0.272001	-0.01523	-0.00737	0.021985	0.027741
0.276726	-0.01441	-0.00111	0.021603	0.025992
0.281452	-0.0171	-0.00086	0.003597	0.017494
0.286178	-0.00681	0.00998	0.02236	0.025415
0.290903	-0.00623	0.000513	0.026694	0.027416
0.295629	-0.01416	-0.00524	0.001547	0.015178
0.300355	-0.00428	-0.02266	-0.00554	0.023716
0.305081	-0.00157	-0.01386	0.000442	0.013958
0.309806	0.018717	-0.03577	0.009861	0.041558
0.314532	0.023372	-0.00796	0.014424	0.028595
0.319258	0.027962	0.013482	0.014208	0.03414
0.323983	0.055823	0.00151	0.003388	0.055946
0.328709	-0.03856	0.021709	0.098825	0.108279
0.333435	0.123776	-0.0126	-0.07946	0.147628
0.33816	-0.05871	0.029118	0.072628	0.097823
0.342886	0.049152	-0.00508	0.003199	0.049517
0.347612	-0.06806	0.016436	-0.07825	0.104999
0.352338	-0.03149	-0.00745	0.052625	0.061778
0.357063	-0.00986	-0.01445	0.057815	0.060404
0.361789	-0.02523	-0.0143	-0.00552	0.029523
0.366515	0.012892	-0.00579	0.014624	0.020338
0.37124	-0.00016	0.002631	-0.00564	0.006225
0.375966	0.015471	0.005099	0.016876	0.023456
0.380692	-0.01515	-0.01021	0.001307	0.018315
0.385418	-0.01706	-0.00637	-0.01406	0.023011
0.390143	-0.04142	-0.00263	-0.0068	0.042057
0.394869	0.001876	0.010426	0.000375	0.0106
0.399595	-0.00284	-0.00263	0.025194	0.02549
0.40432	0.004506	0.00683	0.037898	0.038771
0.409046	0.022518	-0.00034	0.043364	0.048863
0.413772	0.01573	0.019832	-0.04583	0.052354
0.418497	0.026874	0.012704	0.024481	0.038509
0.423223	0.033289	0.027006	0.00055	0.042869
0.427949	0.019552	0.022153	-0.0101	0.031225
0.432675	0.004605	-0.01581	-0.03483	0.038528
0.4374	0.016843	-0.01439	0.031816	0.038768
0.442126	-0.00565	-0.0059	0.016088	0.018043
0.446852	-0.01154	-0.01057	0.013548	0.0207
0.451577	0.006067	-0.02344	0.013404	0.027675
0.456303	-0.00388	-0.0113	-0.04711	0.0486
0.461029	0.02894	0.020841	0.075331	0.083346
0.465754	-0.00598	0.021895	-0.04622	0.051492
0.47048	0.005899	-0.00665	0.007543	0.011659
0.475206	-0.02379	0.010179	-0.00556	0.026464
0.479932	-0.00944	0.004281	-0.00905	0.013762
0.484657	-0.00236	0.005466	0.01473	0.015888
0.489383	0.015374	-0.00641	-0.00674	0.017967
0.494109	-0.00503	-0.00615	0.00518	0.009485

0.498834	-0.00738	-0.00242	-0.04108	0.041805
0.50356	-0.0036	0.001297	-0.0075	0.008423
0.508286	-0.02245	-0.0117	0.038789	0.046319
0.513011	-0.00913	0.005035	-0.01135	0.015412
0.517737	0.006404	0.001531	-0.00888	0.011051
0.522463	-0.02911	0.007542	-0.0325	0.044278
0.527189	-0.02287	-0.00313	0.011662	0.02586
0.531914	-0.03335	-0.00664	0.010372	0.035554
0.53664	0.013266	0.002849	0.01502	0.020241
0.541366	0.004941	0.009953	-0.02662	0.028842
0.546091	-0.0033	-0.01267	0.008009	0.015345
0.550817	0.020559	0.026568	0.016242	0.037314
0.555543	0.007427	0.01925	0.010173	0.023005
0.560268	0.002726	0.000163	-0.01008	0.010443
0.564994	0.011127	0.013337	-0.00643	0.018522
0.56972	0.019401	-0.01045	0.013791	0.025995
0.574446	0.024064	0.009895	0.016051	0.030572
0.579171	0.001358	0.007496	-0.00069	0.00765
0.583897	0.026299	-0.00196	-0.00899	0.027862
0.588623	-0.00593	-0.00539	-0.01722	0.01899
0.593348	0.007289	-0.01592	0.001912	0.017618
0.598074	0.000132	-0.0513	-0.01827	0.054458
0.6028	-0.00176	-0.05553	-0.00151	0.055583
0.607526	0.019476	-0.03254	0.047149	0.06051
0.612251	-0.00936	-0.02034	-0.12172	0.12376
0.616977	-0.02172	-0.02251	-0.02342	0.039073
0.621703	-0.02254	-0.01766	0.062201	0.068478
0.626428	-0.03909	-0.02595	0.041511	0.062642
0.631154	0.001418	-0.002	-0.01223	0.012469
0.63588	-0.00928	0.011108	-0.06789	0.069411
0.640605	0.005116	-0.00554	0.018105	0.019612
0.645331	0.025433	0.015863	0.066598	0.073033
0.650057	0.026764	0.014601	-0.03599	0.047168
0.654783	0.067611	-0.00918	0.021261	0.071467
0.659508	0.023853	-0.00077	0.003288	0.02409
0.664234	-0.01297	-0.00418	-0.02402	0.02762
0.66896	-0.0154	0.00307	0.010585	0.01894
0.673685	0.068801	-0.08119	0.049649	0.117434
0.678411	0.02884	-0.0567	0.00534	0.06384
0.683137	0.053401	-0.06805	-0.02199	0.089255
0.687862	0.010086	-0.04028	0.010224	0.042765
0.692588	0.018258	-0.03418	0.037423	0.053873
0.697314	-0.01396	0.032375	0.021684	0.041389
0.70204	-0.01251	0.102189	-0.04019	0.110518
0.706765	0.002242	0.058822	-0.00426	0.059019
0.711491	-0.00676	0.045407	0.000526	0.04591
0.716217	-0.01806	0.051102	0.000525	0.054203
0.720942	-0.03529	0.072172	-0.02083	0.082993
0.725668	-0.04778	0.06818	-0.0254	0.087045
0.730394	-0.02838	0.015479	0.019898	0.037961
0.735119	-0.0224	-0.00722	-0.00518	0.0241
0.739845	-0.01058	-0.0262	0.023334	0.036644

0.744571	0.001451	-0.0141	-0.01245	0.018871
0.749297	-0.00326	-0.01269	-0.04082	0.042873
0.754022	0.02203	-0.01959	-0.00133	0.029508
0.758748	-0.00987	-0.00626	0.028348	0.030663
0.763474	-0.00488	-0.02865	-0.00392	0.029328
0.768199	-0.0227	-0.01998	-0.02761	0.040951
0.772925	0.002288	0.000312	-0.00247	0.00338
0.777651	0.015244	-0.01037	0.023655	0.02999
0.782377	0.007965	-0.00789	0.004474	0.012074
0.787102	0.005619	-0.0138	0.030538	0.03398
0.791828	0.018744	-0.00184	0.004182	0.019293
0.796554	0.034189	0.01483	0.025503	0.045158
0.801279	0.000875	0.006416	-0.02335	0.024235
0.806005	0.024845	0.016008	0.011252	0.031625
0.810731	0.01908	0.019547	-0.00664	0.02811
0.815456	0.022798	-0.00666	0.008843	0.025344
0.820182	0.00986	0.001783	-0.00784	0.012721
0.824908	0.021793	0.014833	0.005278	0.026885
0.829634	-0.00434	-0.00669	0.011166	0.013721
0.834359	-0.00657	-0.01501	0.005138	0.01717
0.839085	-0.01226	0.000724	-0.01744	0.02133
0.843811	0.020366	0.011508	-0.00424	0.023774
0.848536	0.004213	0.016411	0.004103	0.017433
0.853262	-0.00584	0.00818	0.008819	0.013373
0.857988	-0.02075	0.009424	-0.01973	0.030139
0.862713	-0.0097	-0.00841	0.002981	0.013182
0.867439	-0.01196	-0.00724	0.013633	0.019525
0.872165	-0.03456	-0.00494	-0.00665	0.03554
0.876891	-0.01423	0.010353	-0.01135	0.020942
0.881616	0.020412	0.005549	0.012477	0.024558
0.886342	0.034727	0.021067	-0.00779	0.041358
0.891068	-0.01269	-0.01816	0.010072	0.024337
0.895793	0.003159	0.003443	0.007617	0.008936
0.900519	0.003437	-0.00712	-0.01143	0.013895
0.905245	0.009518	-0.00575	-0.01726	0.020533
0.90997	0.041481	0.00626	0.011361	0.043462
0.914696	-0.01246	-0.00916	-0.01128	0.019136
0.919422	0.039593	-0.0139	0.054071	0.068443
0.924148	0.035446	-0.00319	0.01328	0.037986
0.928873	0.004017	0.027572	0.002488	0.027974
0.933599	0.022807	0.010746	0.00484	0.025672
0.938325	0.023685	-0.00714	0.016664	0.029827
0.94305	0.004303	0.02018	0.009406	0.022676
0.947776	0.017157	0.008218	-0.01796	0.026162
0.952502	-0.01762	0.011807	-0.00594	0.022031
0.957228	-0.01772	0.00346	0.017836	0.02538
0.961953	-0.01337	0.01764	0.023619	0.032368
0.966679	-0.02466	0.009076	0.003249	0.026473
0.971405	-0.01581	0.025428	0.004403	0.030263
0.97613	-0.01154	-0.00105	0.043515	0.045031
0.980856	0.022396	-0.01171	-0.05888	0.064075
0.985582	-0.01408	0.016906	-0.0489	0.053618

0.990307	0.006717	-0.02482	0.05117	0.057266
0.995033	-0.01426	-0.00814	-0.00383	0.016859
0.999759	0.03158	-0.01525	0.042467	0.055075
1.004485	-0.00614	0.03125	-0.06466	0.072082
1.00921	0.0244	-0.0011	0.065196	0.069621
1.013936	0.007006	-0.02496	-0.00061	0.025932
1.018662	0.025545	-0.00225	-0.01246	0.028513
1.023387	0.002334	-0.01884	-0.02185	0.028948
1.028113	-0.00991	0.000227	0.003243	0.010426
1.032839	0.006526	0.019208	0.060166	0.063494
1.037564	0.002313	-0.00234	-0.0222	0.022441
1.04229	0.01594	-0.03672	-0.03269	0.051686
1.047016	0.036565	-0.10277	0.054193	0.121805
1.051742	0.086666	-0.18722	-0.03049	0.208544
1.056467	0.138792	-0.19508	0.014847	0.239874
1.061193	0.076958	-0.14388	0.107261	0.195264
1.065919	-0.02471	0.019524	0.041104	0.051782
1.070644	-0.00508	0.042836	0.017027	0.046375
1.07537	-0.05817	0.094498	-0.05549	0.124069
1.080096	-0.07519	0.134968	0.023268	0.156241
1.084822	-0.04702	0.179721	0.034929	0.189027
1.089547	-0.08524	0.215909	0.039377	0.235444
1.094273	-0.01775	0.077641	-0.04756	0.092765
1.098999	-0.00703	-0.01584	-0.02463	0.030117
1.103724	0.004777	0.008713	0.090649	0.091192
1.10845	0.026045	0.00353	-0.00622	0.027008
1.113176	0.027218	0.023544	-0.02278	0.04259
1.117901	-0.00597	0.003136	-0.06767	0.068008
1.122627	-0.0045	0.006543	-0.00186	0.008157
1.127353	0.013578	0.01697	0.069339	0.072665
1.132079	0.004207	0.046321	-0.00243	0.046575
1.136804	0.018712	-0.00875	-0.02733	0.034256
1.14153	-0.01676	0.012634	-0.02947	0.036183
1.146256	0.019274	-0.02076	-0.02686	0.039035
1.150981	0.006198	-0.00999	0.014892	0.018976
1.155707	0.026395	-0.03731	0.008833	0.04655
1.160433	0.014347	0.015161	0.024181	0.031944
1.165158	0.008304	-0.02184	-0.00568	0.02405
1.169884	0.006012	-0.00035	-0.01276	0.014105
1.17461	0.021535	0.004429	-0.02332	0.032054
1.179336	0.017875	0.010395	-0.01008	0.023003
1.184061	0.00125	-0.00756	0.004242	0.008757
1.188787	0.005003	-0.01348	0.050476	0.052485
1.193513	-0.00091	0.012717	-0.01994	0.023671
1.198238	0.039726	-0.00167	-0.03283	0.051563
1.202964	-0.01369	0.04223	0.04812	0.06547
1.20769	-0.00019	0.00507	-0.01279	0.013759
1.212416	0.012075	0.038319	-0.0376	0.055025
1.217141	-0.01713	0.017985	-0.03253	0.040932
1.221867	0.033499	0.00258	0.036553	0.049649
1.226593	0.000302	-0.00805	0.006589	0.010407
1.231318	-0.01964	0.008754	-0.01126	0.024272

1.236044	0.013059	-0.00427	0.027987	0.031178
1.24077	0.021924	-0.01724	-0.00309	0.028064
1.245495	-0.02646	-0.0372	-0.05171	0.068977
1.250221	0.011875	0.00828	-0.0228	0.027009
1.254947	-0.02121	0.015372	0.018914	0.032311
1.259673	0.016317	0.008069	0.078077	0.080171
1.264398	-0.02368	0.029414	-0.05427	0.066114
1.269124	0.025573	-0.03003	-0.06568	0.076609
1.27385	0.019703	-0.03335	0.02504	0.046124
1.278575	-0.03363	0.039231	0.078219	0.093747
1.283301	0.017886	-0.05608	0.009938	0.059697
1.288027	-0.01053	0.026265	-0.03523	0.045187
1.292753	-0.00984	0.029577	0.045741	0.055353
1.297478	0.015568	-0.00506	-0.03769	0.041093
1.302204	-0.01039	0.024641	-0.035	0.04405
1.30693	0.006584	0.000595	0.038844	0.039403
1.311655	0.000874	-0.00182	0.014791	0.014929
1.316381	0.02134	-0.01259	-0.01143	0.027286
1.321107	0.011975	0.011178	-0.02083	0.026501
1.325832	0.009904	-0.01505	-0.00286	0.018238
1.330558	0.006679	-0.0162	-0.01233	0.02143
1.335284	0.020004	0.012279	0.004379	0.023877
1.34001	0.011893	-0.00094	-0.02769	0.030152
1.344735	0.002788	0.004996	-0.02034	0.021132
1.349461	0.016217	0.001311	-0.00831	0.01827
1.354187	0.00818	0.001216	0.010738	0.013554
1.358912	0.014474	0.021319	0.018953	0.031988
1.363638	0.006395	-0.00384	-0.00256	0.007889
1.368364	0.016207	-0.00856	-0.00729	0.019723
1.373089	0.008069	0.00924	0.001079	0.012315
1.377815	0.004773	0.010322	0.005816	0.012773
1.382541	-0.00095	-0.03129	0.003394	0.031488
1.387267	0.012355	0.004494	-0.00138	0.013219
1.391992	0.037373	0.0032	0.001002	0.037523
1.396718	0.024245	0.016196	-0.00731	0.03006
1.401444	0.023061	0.008915	-0.00132	0.024759
1.406169	0.013611	0.0124	-0.00843	0.020249
1.410895	0.017235	0.02645	-0.00124	0.031594
1.415621	0.006632	0.020381	-0.03682	0.042604
1.420347	0.009183	0.022627	-0.0199	0.031503
1.425072	0.01061	-3.4E-05	0.000435	0.010619
1.429798	0.006037	0.010588	0.038396	0.040284
1.434524	0.011022	0.010556	-0.00463	0.015949
1.439249	-0.00783	-0.00137	-0.00459	0.009182
1.443975	0.010236	-0.00254	-0.00337	0.011072
1.448701	0.006796	-0.00605	0.000219	0.009104
1.453426	-0.00493	0.022486	-0.00571	0.023719
1.458152	0.013124	-0.00142	-0.00092	0.013232
1.462878	0.010763	-0.01203	0.005021	0.016902
1.467604	-0.0212	-0.00725	-0.01519	0.027068
1.472329	0.008791	0.003558	0.000361	0.00949
1.477055	-0.01375	-0.0036	-0.01388	0.019864

1.481781	0.001898	-0.00124	0.004032	0.004627
1.486506	0.012794	-0.00119	0.006371	0.014342
1.491232	0.028373	0.005938	0.001573	0.02903
1.495958	0.017721	0.008275	0.00156	0.01962
1.500683	0.011789	-7E-05	0.014599	0.018765
1.505409	0.011799	-0.00483	0.002612	0.013014
1.510135	0.014265	-0.00948	0.012084	0.020961
1.514861	-0.00707	-0.00344	0.002492	0.00825
1.519586	0.002683	-0.01886	0.008404	0.020824
1.524312	0.032499	-0.01752	-0.00116	0.036938
1.529038	0.01225	-0.00548	-0.00589	0.014657
1.533763	0.020532	0.002786	-0.02483	0.032338
1.538489	-0.0033	-0.0044	-0.00327	0.006397
1.543215	0.005222	-0.01382	0.005067	0.015623
1.547941	0.00174	-0.00785	0.021633	0.023078
1.552666	-0.01245	0.019464	0.019079	0.029963
1.557392	0.01991	-0.01153	-0.01193	0.025916
1.562118	-0.00871	-0.01029	-0.0142	0.01958
1.566843	-0.00736	0.011024	-0.00222	0.013438
1.571569	0.005753	0.007275	-0.01407	0.01685
1.576295	-0.2358	-0.10332	-0.02345	0.258512
1.58102	0.252485	0.118927	-0.02326	0.28006
1.585746	-0.02144	-0.01962	0.232019	0.233832
1.590472	-0.04113	0.054242	-0.09974	0.120754
1.595198	0.041104	0.039454	-0.10959	0.123514
1.599923	-0.04205	0.002542	-0.10037	0.10885
1.604649	-0.07161	-0.06395	0.041656	0.104653
1.609375	0.114124	0.063226	0.07215	0.149089
1.6141	0.062782	-0.01919	0.165278	0.17784
1.618826	0.037563	0.056927	-0.08169	0.10642
1.623552	-0.02555	0.01268	-0.07982	0.084766
1.628278	-0.00979	-0.00406	-0.01746	0.020429
1.633003	0.087879	0.051761	0.093023	0.138041
1.637729	-0.05882	-0.04004	-0.09877	0.121731
1.642455	0.010913	0.005435	-0.01489	0.019247
1.64718	-0.02917	-0.02773	0.042182	0.058304
1.651906	0.008127	0.005648	0.03471	0.036093
1.656632	0.013052	-0.02527	0.020184	0.034879
1.661357	0.003574	0.024809	-0.02507	0.03545
1.666083	-0.04026	0.009249	-0.06045	0.073218
1.670809	0.008784	-0.02521	0.019547	0.033085
1.675535	0.018309	0.004692	0.022944	0.029727
1.68026	0.007768	0.015345	0.025127	0.03045
1.684986	-0.00033	-0.01675	-0.0083	0.018694
1.689712	0.012862	0.013096	-0.04857	0.051923
1.694437	-0.00371	0.022563	-0.01969	0.030175
1.699163	0.010696	0.030736	0.004205	0.032815
1.703889	0.014371	-0.00154	0.035018	0.037883
1.708614	0.017959	-0.00867	0.033539	0.039021
1.71334	0.003764	-0.01104	0.008344	0.014344
1.718066	0.009857	-0.03823	-0.02851	0.048693
1.722792	0.025362	-0.00465	-0.01759	0.031212

1.727517	-0.00546	-0.02126	-0.00083	0.021966
1.732243	0.007879	-0.02473	0.018156	0.031671
1.736969	0.023497	-0.03997	0.016818	0.049322
1.741694	-0.02409	0.002962	0.004812	0.024745
1.74642	0.032188	0.032598	0.007145	0.046366
1.751146	0.002505	-0.01152	-0.05935	0.060512
1.755872	0.011008	0.009922	-0.00784	0.016767
1.760597	0.014738	0.01573	0.064597	0.068099
1.765323	-0.00532	0.027477	-0.01187	0.030402
1.770049	0.022231	-0.00117	-0.02245	0.031615
1.774774	0.00564	0.038104	-0.02582	0.046372
1.7795	0.0307	0.010597	0.018298	0.037277
1.784226	0.005649	0.002246	0.012214	0.013643
1.788951	0.01537	0.022452	0.025165	0.037062
1.793677	-0.03551	-0.01199	-0.06521	0.075215
1.798403	-0.00522	-0.00816	0.012455	0.01578
1.803129	0.021112	0.023943	0.009978	0.033444
1.807854	-0.01565	-0.01895	0.018202	0.030587
1.81258	-0.03556	0.054804	-0.04127	0.077272
1.817306	0.052967	-0.00472	-0.01719	0.055887
1.822031	-0.0186	0.046489	0.012616	0.051635
1.826757	0.034064	-0.03569	0.065902	0.082325
1.831483	0.018477	-0.00928	0.0001	0.020677
1.836209	0.025661	-0.00915	-0.01058	0.029224
1.840934	0.00314	-0.00663	-0.00693	0.010088
1.84566	0.018756	0.001748	-0.01517	0.024189
1.850386	0.011712	-0.01962	0.02529	0.034086
1.855111	0.034348	-0.0136	0.006096	0.037441
1.859837	-0.04757	0.016121	0.059434	0.077815
1.864563	0.049219	-0.06694	-0.09767	0.128227
1.869288	0.041799	0.013252	-0.02211	0.049106
1.874014	-0.07097	0.114199	0.070626	0.151876
1.87874	-0.00711	-0.0778	0.141224	0.161391
1.883466	0.02512	0.056848	-0.14114	0.154218
1.888191	0.039479	-0.02298	-0.06759	0.081575
1.892917	0.010881	-0.01674	-0.09431	0.096399
1.897643	-0.03433	-0.02022	0.089189	0.097682
1.902368	0.003961	-0.05106	0.089627	0.103229
1.907094	-0.00796	-0.02589	0.021251	0.034428
1.91182	-0.01494	0.02294	-0.11655	0.119726
1.916546	0.031604	-0.01744	-0.09185	0.098688
1.921271	-0.03389	0.018288	0.035864	0.052624
1.925997	0.039902	-0.06628	0.050985	0.092656
1.930723	0.018083	0.03256	0.037506	0.052857
1.935448	-0.01535	0.072698	-0.09569	0.121147
1.940174	0.033544	0.016288	0.013076	0.039516
1.9449	0.001128	0.016138	-0.02737	0.031796
1.949625	-0.02976	0.03969	0.096244	0.108277
1.954351	-0.00816	0.034725	-0.0232	0.042552
1.959077	0.025023	-0.01528	-0.03368	0.044657
1.963803	0.017727	-0.16246	-0.11171	0.197955
1.968528	-0.00342	0.1339	0.402937	0.424616

1.973254	0.024066	-0.00251	-0.03229	0.040347
1.97798	-0.01422	0.021715	-0.5398	0.540428
1.982705	0.060811	0.02166	0.16707	0.179108
1.987431	-0.0146	0.0023	0.202453	0.202991
1.992157	0.072016	0.016406	0.040593	0.08428
1.996883	0.11948	-0.11071	-0.14127	0.215615
2.001608	-0.17715	0.186669	0.079391	0.269314
2.006334	0.160624	0.055832	0.152291	0.228276
2.01106	-0.01739	0.340629	-0.33659	0.479193
2.015785	-0.01294	0.223543	-0.04665	0.228725
2.020511	-0.01665	0.095356	0.1246	0.157782
2.025237	-0.03558	-0.03757	0.048834	0.071151
2.029962	0.179485	-0.01267	0.03777	0.183853
2.034688	-0.05024	-0.00556	-0.00167	0.050577
2.039414	0.004291	-0.03826	0.242794	0.245827
2.04414	0.043612	-0.1674	0.141168	0.223275
2.048865	-0.03659	-0.54067	0.071245	0.546568
2.053591	-0.15005	-0.35776	0.326991	0.507377
2.058317	-0.13885	-0.10854	0.256702	0.311381
2.063042	-0.07026	-0.16547	1.093431	1.108111
2.067768	0.08834	-0.36441	1.052325	1.117133
2.072494	0.112227	-0.42723	2.302359	2.34435
2.077219	0.368549	-0.76477	3.533609	3.634156
2.081945	0.849573	-1.0276	4.026133	4.241164
2.086671	1.373541	-1.72778	5.049499	5.510833
2.091397	1.365905	-2.45808	5.230348	5.938384
2.096122	1.461131	-3.06802	3.75679	5.065684
2.100848	1.742569	-3.59569	2.277901	4.599389
2.105574	2.616885	-5.39318	0.36912	6.005888
2.110299	1.890753	-5.95146	1.705782	6.473373
2.115025	0.992653	-4.32615	1.03557	4.557775
2.119751	0.991072	-2.55715	0.520793	2.7915
2.124477	0.750358	-1.51206	2.359436	2.901086
2.129202	0.732445	-0.57766	3.807463	3.920069
2.133928	0.916977	-0.06948	6.729075	6.791622
2.138654	2.224492	-0.4271	9.242124	9.515652
2.143379	3.008949	-0.85987	11.43987	11.86018
2.148105	3.052624	-0.73305	12.85849	13.23618
2.152831	3.975636	-0.17612	14.05119	14.60386
2.157557	4.621662	0.296949	13.34647	14.12714
2.162282	4.904508	0.742264	12.4603	13.41134
2.167008	4.670963	1.068349	11.87629	12.80646
2.171734	4.360001	1.367088	11.21163	12.10699
2.176459	4.097129	1.245589	10.48578	11.3265
2.181185	2.812078	1.3446	9.652353	10.14316
2.185911	2.574791	1.653146	9.026194	9.530719
2.190636	2.267545	1.733891	8.725944	9.180971
2.195362	1.665993	1.596377	8.172118	8.491612
2.200088	1.729458	0.588704	8.446136	8.641459
2.204814	2.00799	2.005334	7.419325	7.943536
2.209539	0.410743	1.55549	6.799034	6.986782
2.214265	0.682701	1.117168	5.921301	6.064318

2.218991	1.333537	0.886861	6.58696	6.778856
2.223716	1.315094	1.20462	7.008965	7.232301
2.228442	0.941501	1.312328	5.234153	5.477681
2.233168	0.522194	1.051048	5.14519	5.277345
2.237893	0.754479	0.5029	4.640534	4.728288
2.242619	0.564445	-0.10852	3.504096	3.550924
2.247345	0.189609	-0.65115	2.112244	2.21845
2.252071	0.051162	-0.85864	1.557548	1.779277
2.256796	0.040131	-0.86755	1.145756	1.437707
2.261522	0.233369	-0.70131	0.497489	0.890947
2.266248	-0.10537	-0.89761	-0.05319	0.90534
2.270973	-0.46631	-1.21417	0.022589	1.300834
2.275699	-0.75746	-1.37427	0.250102	1.588999
2.280425	-0.98777	-1.24582	-0.33234	1.624255
2.285151	-1.12266	-0.9416	-1.23634	1.917158
2.289876	-1.1638	-0.86005	-2.59871	2.974459
2.294602	-1.2839	-0.92316	-4.55651	4.823117
2.299328	-1.33346	-1.53628	-7.63944	7.905653
2.304053	-1.07694	-2.01615	-9.29255	9.569546
2.308779	-0.50829	-2.02882	-9.70764	9.930395
2.313505	-0.29785	-2.1172	-8.99532	9.245922
2.318231	-0.94311	-2.57382	-9.70789	10.08747
2.322956	-1.68619	-2.79819	-11.8149	12.25829
2.327682	-1.79671	-2.752	-13.5481	13.94107
2.332408	-1.49032	-2.27838	-14.2996	14.55649
2.337133	-2.57618	-2.03129	-13.6056	13.99553
2.341859	-3.26471	-1.96448	-18.6267	19.01244
2.346585	-3.05619	-1.15147	-18.9775	19.25651
2.35131	-2.5945	-1.50894	-16.4588	16.73022
2.356036	-1.77063	-1.64124	-14.6858	14.88295
2.360762	-1.28422	-1.43863	-14.3759	14.50465
2.365488	-1.43886	-1.56573	-13.3873	13.55516
2.370213	-1.42913	-1.66856	-10.9326	11.15114
2.374939	-1.3926	-1.53436	-9.36099	9.58758
2.379665	-1.72749	-1.40832	-9.07653	9.346175
2.38439	-2.4143	-1.37805	-9.05847	9.475425
2.389116	-2.94386	-1.37972	-7.89585	8.538988
2.393842	-3.93819	-1.7469	-5.14644	6.711692
2.398568	-3.37586	-1.85831	-5.61983	6.814119
2.403293	-2.71825	-1.66267	-4.20357	5.274787
2.408019	-2.65506	-1.67709	-1.95466	3.699007
2.412745	-2.48624	-1.33079	-3.32754	4.36176
2.41747	-2.77432	-0.88499	-5.20146	5.961144
2.422196	-2.65572	-0.65354	-6.27444	6.844599
2.426922	-2.55532	-0.6866	-5.75028	6.329831
2.431647	-2.40459	-0.83549	-4.96853	5.582684
2.436373	-2.30364	-1.08708	-4.56033	5.223516
2.441099	-2.28124	-1.31388	-3.80933	4.630476
2.445825	-2.30711	-1.46457	-3.45297	4.40349
2.45055	-2.36959	-1.5564	-3.9687	4.877286
2.455276	-2.29965	-1.52544	-4.74051	5.485233
2.460002	-2.22071	-1.49626	-5.21784	5.864827

2.464727	-2.16736	-1.46627	-5.47177	6.065281
2.469453	-2.22897	-1.45715	-5.63389	6.23156
2.474179	-2.37991	-1.45144	-5.69938	6.344568
2.478905	-2.53821	-1.4506	-5.67065	6.379886
2.48363	-2.46524	-1.45198	-5.70555	6.382705
2.488356	-2.22664	-1.48489	-5.79938	6.387144
2.493082	-1.88507	-1.46824	-5.89626	6.362004
2.497807	-1.78197	-1.4859	-6.00602	6.438598
2.502533	-1.83053	-1.40584	-6.07027	6.494263
2.507259	-1.6878	-1.34525	-5.98158	6.359066
2.511984	-1.49078	-1.35005	-5.63978	5.987663
2.51671	-1.31927	-1.35385	-5.08811	5.427916
2.521436	-1.44494	-1.4514	-4.78044	5.200679
2.526162	-1.55898	-1.49355	-4.5919	5.074115
2.530887	-1.62958	-1.5526	-4.05164	4.634855
2.535613	-1.57875	-1.56084	-3.40504	4.064843
2.540339	-1.54541	-1.57957	-3.03898	3.757487
2.545064	-1.58619	-1.52334	-2.64943	3.443263
2.54979	-1.61014	-1.46842	-1.92934	2.910524
2.554516	-1.69934	-1.41227	-1.28745	2.557302
2.559242	-1.77081	-1.31275	-0.72342	2.320004
2.563967	-1.64687	-1.21248	-0.2561	2.061036
2.568693	-1.39899	-1.0588	0.019043	1.754595
2.573419	-1.13277	-0.87991	0.084237	1.436836
2.578144	-0.89089	-0.64182	-0.00417	1.098009
2.58287	-0.73612	-0.50062	-0.07167	0.893099
2.587596	-0.64265	-0.41329	0.077503	0.76799
2.592322	-0.56833	-0.43711	0.229182	0.752721
2.597047	-0.44262	-0.52035	0.288961	0.741736
2.601773	-0.35723	-0.55196	0.301188	0.723183
2.606499	-0.27877	-0.55748	0.430792	0.757678
2.611224	-0.12273	-0.63026	0.524728	0.829234
2.61595	0.043319	-0.76865	0.49824	0.91703
2.620676	0.112751	-0.85133	0.361026	0.931564
2.625401	0.09992	-0.84305	0.286358	0.895947
2.630127	0.176809	-0.80678	0.270487	0.869094
2.634853	0.309478	-0.69724	0.412463	0.867203
2.639579	0.350455	-0.47656	0.672664	0.895769
2.644304	0.476752	-0.29076	0.890856	1.051408
2.64903	0.561227	-0.1549	0.973868	1.134632
2.653756	0.580955	-0.0575	0.938535	1.105289
2.658481	0.62113	0.05187	0.839979	1.045972
2.663207	0.655923	0.188207	0.862265	1.099617
2.667933	0.79631	0.33872	0.921668	1.264244
2.672659	0.910127	0.387803	0.827168	1.289546
2.677384	0.869113	0.409896	0.877633	1.301388
2.68211	0.918903	0.509616	0.976053	1.434145
2.686836	1.096082	0.562934	0.747298	1.441092
2.691561	1.236874	0.474596	0.353038	1.371034
2.696287	1.414321	0.34782	0.05609	1.457542
2.701013	1.482987	0.296512	-0.17251	1.522146
2.705738	1.617432	0.227552	-0.64218	1.755066

2.710464	1.74568	0.160562	-0.82816	1.93882
2.71519	1.675637	0.22635	-0.5553	1.779704
2.719916	1.565401	0.331633	-0.0774	1.602015
2.724641	1.397208	0.446127	0.457269	1.536331
2.729367	1.231839	0.516885	1.156212	1.766755
2.734093	1.053517	0.586882	1.878269	2.23209
2.738818	0.964163	0.673342	2.450185	2.717794
2.743544	0.890241	0.77959	2.853034	3.088704
2.74827	0.88095	0.95727	3.067932	3.332363
2.752996	1.010825	0.979907	2.913669	3.235962
2.757721	0.95952	0.888874	2.708454	3.00774
2.762447	0.902867	0.707285	2.873882	3.094288
2.767173	0.949757	0.584192	2.563768	2.795751
2.771898	0.944717	0.470986	2.193367	2.434169
2.776624	1.051176	0.409747	2.216576	2.487181
2.78135	1.224002	0.312208	2.181315	2.520673
2.786075	1.211677	0.173881	1.851337	2.219424
2.790801	1.094924	0.076903	1.884026	2.180441
2.795527	0.988672	0.120083	2.146186	2.366011
2.800253	0.904077	0.218064	2.188393	2.377808
2.804978	0.903186	0.305873	2.297658	2.487677
2.809704	0.913679	0.422065	2.648172	2.832978
2.81443	0.954451	0.510963	3.042431	3.22931
2.819155	0.923313	0.545863	3.135183	3.313585
2.823881	0.973396	0.558658	3.304317	3.489715
2.828607	1.033735	0.727583	3.389526	3.617578
2.833333	0.557589	0.633723	3.473287	3.574385
2.838058	0.682845	0.561857	2.983284	3.111582
2.842784	0.603986	0.529062	3.010677	3.115908
2.84751	0.794485	0.446868	3.17349	3.301808
2.852235	1.2599	0.051339	3.933676	4.130834
2.856961	1.637492	-0.22152	5.698724	5.933456
2.861687	1.900221	-0.09871	7.204887	7.451912
2.866413	1.577986	0.083187	7.251411	7.421585
2.871138	1.14848	0.101222	6.921666	7.01703
2.875864	1.07188	0.156745	6.209107	6.302897
2.88059	1.221468	0.265106	4.74422	4.906107
2.885315	1.37141	0.564392	5.313031	5.516122
2.890041	1.378225	0.205996	16.11605	16.17619
2.894767	1.654427	-0.10145	10.10338	10.23844
2.899492	-1.10497	0.97031	1.497765	2.098987
2.904218	-1.64408	1.178743	4.018298	4.498794
2.908944	-0.39867	0.787337	1.995584	2.182017
2.91367	0.334066	0.156627	2.241818	2.271978
2.918395	0.588314	-0.6277	3.059641	3.17829
2.923121	1.366506	-0.89945	3.804219	4.141066
2.927847	1.730739	-0.88546	3.329029	3.855117
2.932572	1.508886	-0.55004	0.14685	1.612715
2.937298	1.040273	-0.01343	-2.91768	3.097608
2.942024	0.009693	0.173315	-3.82462	3.82856
2.94675	-0.57847	0.265514	-4.21382	4.26162
2.951475	-0.81885	0.383268	-4.36674	4.459351

2.956201	-0.81685	0.358563	-4.00429	4.102461
2.960927	-0.72984	0.167681	-3.50248	3.581637
2.965652	-0.82573	-0.0264	-3.30707	3.408703
2.970378	-0.55455	-0.13594	-3.67438	3.718478
2.975104	-0.26425	-0.0704	-3.96561	3.975032
2.979829	-0.23213	0.059953	-4.20118	4.20801
2.984555	-0.47917	0.018069	-4.29989	4.32654
2.989281	-0.50992	-0.04057	-4.0064	4.038922
2.994007	-0.20425	-0.07493	-3.49261	3.499375
2.998732	-0.23962	-0.48243	3.629534	3.669287
3.003458	-2.14328	-2.96893	27.59943	27.84128
3.008184	-0.40932	-0.52435	-0.04065	0.666437
3.012909	0.328764	2.326916	-6.32198	6.744636
3.017635	0.656245	1.594381	7.757835	7.94712
3.022361	1.842077	2.407094	-5.34661	6.146025
3.027087	-0.575	0.320558	3.388396	3.451755
3.031812	-0.8903	0.26113	-0.42927	1.022295
3.036538	-0.41586	-0.11485	-0.81281	0.920213
3.041264	0.139045	-0.42684	0.138463	0.469784
3.045989	0.390408	-0.35239	-0.54249	0.755578
3.050715	0.282112	-0.53476	0.198895	0.636483
3.055441	-0.00564	-0.77031	-0.20774	0.797849
3.060167	0.163048	-0.90856	-0.26604	0.960651
3.064892	0.141455	-0.75065	0.269621	0.810052
3.069618	-0.42244	-0.71421	0.313759	0.887128
3.074344	-0.83862	-0.4969	0.220739	0.999462
3.079069	-0.93087	-0.32225	-0.12152	0.99254
3.083795	-0.98073	-0.20266	0.013586	1.00154
3.088521	-0.82764	-0.15563	0.065002	0.844646
3.093247	-0.38361	0.022671	0.232219	0.448998
3.097972	-0.1957	0.063147	0.239041	0.315317
3.102698	-0.03206	-0.04356	-0.00986	0.054978
3.107424	0.255301	-0.20388	0.015136	0.327069
3.112149	0.261878	-0.16918	-0.24541	0.39677
3.116875	0.162221	-0.03863	-0.07313	0.182088
3.121601	-0.026	-0.01449	-0.00745	0.03068
3.126326	-0.14528	-0.02797	-0.17122	0.226288
3.131052	-0.10522	0.005113	-0.3849	0.399053
3.135778	-0.08184	0.027158	-0.33302	0.344
3.140504	-0.02293	0.035204	-0.16413	0.169421
3.145229	0.078395	0.019362	-0.01101	0.081498
3.149955	0.19856	0.026468	0.024817	0.201847
3.154681	0.129793	0.055559	-0.08753	0.166114
3.159406	-0.02616	0.073049	-0.2415	0.253656
3.164132	-0.02533	0.026035	-0.13362	0.13847
3.168858	-0.04368	-0.01278	-0.00441	0.045722
3.173584	-0.03844	0.007963	0.005157	0.03959
3.178309	-0.0489	0.010551	0.009923	0.050999
3.183035	-0.04401	-0.01451	0.00632	0.046767
3.187761	-0.03069	0.004645	-0.02237	0.038261
3.192486	0.029478	0.04671	-0.07251	0.091154
3.197212	0.009577	0.052077	-0.16797	0.176122

3.201938	0.006591	0.050627	-0.16652	0.174171
3.206663	0.003795	0.033877	-0.09578	0.101663
3.211389	0.022597	0.007827	-0.07412	0.077878
3.216115	0.024624	0.041681	-0.08713	0.099674
3.220841	0.012318	0.082686	-0.09653	0.127702
3.225566	-0.01436	0.060221	-0.10712	0.123726
3.230292	-0.03021	0.022107	-0.04483	0.058403
3.235018	-0.01257	0.044724	0.017365	0.049596
3.239743	-0.01529	0.029054	0.031684	0.045625
3.244469	-0.03587	-0.03077	-0.04481	0.065126
3.249195	0.014432	-0.04518	-0.04117	0.062809
3.253921	0.007393	-0.01908	-0.00289	0.020666
3.258646	0.016917	-0.00746	-0.03038	0.035561
3.263372	0.014319	0.000305	0.030583	0.033771
3.268098	0.030709	0.014972	0.059194	0.068345
3.272823	0.014728	0.003145	0.019665	0.024769
3.277549	-0.0097	0.003109	-0.01264	0.016232
3.282275	0.018465	0.018615	-0.02937	0.039371
3.287001	0.022702	-0.02322	-0.0413	0.052535
3.291726	0.004319	-0.02547	-0.06873	0.07343
3.296452	-0.00067	-0.00494	-0.06866	0.068839
3.301178	0.029168	-0.02012	-0.11159	0.117081
3.305903	0.014912	-0.00393	-0.13893	0.139783
3.310629	-0.01838	0.007602	-0.11844	0.120097
3.315355	0.009377	0.013313	-0.10395	0.105215
3.320081	0.006034	0.041901	-0.08469	0.094683
3.324806	0.00624	0.078744	-0.06666	0.103359
3.329532	0.022976	0.117913	-0.03312	0.124612
3.334258	0.021699	0.114132	0.002771	0.116209
3.338983	-0.0011	0.069808	-0.02829	0.075331
3.343709	-0.01556	0.049472	-0.06767	0.08526
3.348435	-0.01561	0.040048	-0.04726	0.063883
3.35316	-0.00123	0.032971	-0.04121	0.052794
3.357886	0.013253	0.029488	-0.04474	0.055199
3.362612	0.018341	0.022528	-0.05902	0.065779
3.367338	0.01146	-0.01894	-0.09238	0.095
3.372063	-0.00985	-0.01372	-0.07672	0.078555
3.376789	-0.01933	-0.03734	-0.02882	0.05097
3.381515	-0.00255	-0.03118	0.003486	0.03148
3.38624	0.004545	-0.02997	-0.0001	0.030315
3.390966	-0.03499	-0.01329	-0.03117	0.048707
3.395692	-0.00992	-0.02166	-0.04904	0.054523
3.400418	0.004395	0.026028	-0.03942	0.047441
3.405143	-0.01119	0.021088	-0.02264	0.0329
3.409869	-0.02324	0.022053	-0.01902	0.037263
3.414595	-0.0186	0.027726	0.015647	0.036869
3.41932	-0.00185	0.01063	-0.01186	0.016037
3.424046	0.01259	0.000685	-0.02739	0.030156
3.428772	-0.00051	0.033822	-0.06201	0.070639
3.433498	-0.02198	-0.00489	-0.07389	0.077244
3.438223	0.017447	-0.01968	-0.02003	0.033062
3.442949	-0.00408	-0.0238	-0.026	0.035482

3.447675	0.006731	-0.04703	-0.0427	0.06388
3.4524	0.033174	-0.02473	-0.057	0.070437
3.457126	0.069349	0.011762	-0.05456	0.08902
3.461852	0.063729	0.004053	-0.05451	0.083962
3.466577	0.030594	-0.0108	-0.05805	0.066502
3.471303	0.038169	0.012586	-0.05202	0.06574
3.476029	0.008781	0.02409	-0.02808	0.038028
3.480755	0.008009	0.012923	-0.07466	0.076196
3.48548	-0.0048	0.0138	-0.08294	0.084221
3.490206	-0.00804	0.021723	-0.03718	0.043809
3.494932	-0.00424	0.026034	-0.02384	0.035551
3.499657	-0.01119	0.036129	-0.02128	0.043396
3.504383	-0.01694	0.030813	-0.04602	0.057918
3.509109	0.016533	0.042197	-0.06226	0.077008
3.513835	0.00112	0.011903	-0.05107	0.052456
3.51856	-0.00467	0.013952	-0.02693	0.030688
3.523286	-0.00556	0.004146	-0.05163	0.052098
3.528012	0.024393	0.011032	-0.03342	0.042821
3.532737	-0.00651	0.007142	-0.04383	0.044882
3.537463	0.000758	0.009161	-0.02449	0.02616
3.542189	-0.00026	0.001614	-0.016	0.016081
3.546915	0.028451	0.01533	-0.03131	0.044996
3.55164	0.036835	0.021883	-0.05836	0.072395
3.556366	0.028626	0.010785	-0.09229	0.09723
3.561092	0.018111	0.022502	-0.07848	0.083631
3.565817	0.027954	0.022373	-0.06479	0.074026
3.570543	0.028305	0.00323	-0.0441	0.052499
3.575269	0.021576	0.016338	-0.04612	0.053472
3.579994	0.007645	0.021003	-0.00897	0.024082
3.58472	-0.01209	0.012564	-0.01839	0.025344
3.589446	-0.00803	0.011329	-0.023	0.026863
3.594172	-0.02528	-0.00184	-0.03705	0.044896
3.598897	-0.01029	0.011183	-0.03795	0.040877
3.603623	-0.00607	0.005104	-0.05782	0.05836
3.608349	0.014903	0.024004	-0.04075	0.049584
3.613074	0.013145	-0.01305	-0.0428	0.046637
3.6178	-0.0159	0.021413	-0.02586	0.037146
3.622526	-0.01875	0.0294	-0.02447	0.042603
3.627252	0.006847	0.009976	0.005374	0.01324
3.631977	0.023915	0.015516	0.010053	0.030228
3.636703	0.006463	0.030347	0.012315	0.033382
3.641429	0.019961	0.011903	-0.03883	0.045252
3.646154	0.019109	0.016297	-0.07056	0.074895
3.65088	0.018391	0.018492	-0.06761	0.07247
3.655606	0.001181	0.021941	-0.08249	0.085369
3.660332	0.011616	0.011166	-0.06878	0.070639
3.665057	0.013714	0.012303	-0.03263	0.037476
3.669783	0.004255	0.005013	-0.00867	0.010881
3.674509	0.006694	0.014477	-0.02287	0.02788
3.679234	0.012449	-0.00691	-0.09389	0.094963
3.68396	0.007336	0.007536	-0.05279	0.053824
3.688686	0.021079	0.026513	-0.00965	0.035219

3.693412	0.022591	-0.00583	0.010583	0.025618
3.698137	0.002594	0.008335	0.016416	0.018592
3.702863	0.016279	-0.01467	0.041166	0.046636
3.707589	-0.00093	0.024296	0.011136	0.026742
3.712314	0.011585	0.032299	-0.1444	0.148421
3.71704	0.009742	0.030842	-0.06847	0.075721
3.721766	0.027844	0.01745	-0.02638	0.042141
3.726491	-0.00179	-0.00082	0.050941	0.050978
3.731217	0.017216	-0.00719	0.067115	0.06966
3.735943	0.007586	0.004124	0.019081	0.020944
3.740669	0.002966	0.011774	-0.00483	0.013066
3.745394	-0.0098	0.012408	-0.06413	0.066048
3.75012	-0.02705	0.019169	-0.09921	0.104599
3.754846	-0.00485	0.039066	-0.08179	0.090767
3.759571	0.005469	0.008968	-0.07282	0.073575
3.764297	0.002561	0.01114	-0.03308	0.035001
3.769023	-0.0158	0.01205	0.011071	0.022749
3.773749	0.000352	0.014028	0.012142	0.018556
3.778474	0.010552	0.005283	0.000151	0.011802
3.7832	0.016259	0.010804	-0.00463	0.020063
3.787926	-0.01961	0.00919	-0.05327	0.057503
3.792651	0.008934	0.018435	-0.08726	0.089635
3.797377	0.022931	0.026516	-0.03911	0.052518
3.802103	0.017588	0.001266	-0.03999	0.043703
3.806829	0.009592	-0.00016	0.006599	0.011644
3.811554	0.007372	-0.00167	0.03026	0.03119
3.81628	0.019307	0.020381	0.040669	0.049418
3.821006	0.01093	-0.00876	-0.0107	0.017626
3.825731	0.022751	-0.01023	-0.03672	0.044394
3.830457	0.020261	-0.00084	-0.07914	0.081694
3.835183	0.026184	0.009805	-0.09628	0.100257
3.839908	0.016734	0.011021	-0.0848	0.087137
3.844634	0.014454	0.026578	-0.07342	0.079407
3.84936	-0.01046	0.01945	-0.03484	0.041247
3.854086	-0.00782	0.027833	-0.00488	0.029322
3.858811	0.006724	-0.00897	-0.01433	0.018196
3.863537	-0.01556	-0.00276	-0.02371	0.028492
3.868263	0.00023	0.020016	-0.03419	0.039618
3.872988	0.001676	0.005697	-0.00899	0.010778
3.877714	-0.00642	0.019903	0.043281	0.048068
3.88244	-0.00019	0.001774	0.023926	0.023992
3.887166	-7.8E-05	-0.00206	0.013039	0.013201
3.891891	0.015552	-0.00111	-0.00488	0.016337
3.896617	0.017972	0.006934	-0.03214	0.037468
3.901343	-0.0046	0.011468	-0.05679	0.058119
3.906068	0.008467	-0.01012	-0.03141	0.034066
3.910794	0.011767	0.015865	-0.01216	0.023196
3.91552	-0.00766	-0.01662	0.023533	0.029812
3.920246	0.014757	-0.01219	0.039941	0.04429
3.924971	0.034764	0.00281	0.009933	0.036265
3.929697	0.034423	-0.01429	-0.0388	0.053803
3.934423	0.036526	-0.01323	-0.06933	0.079475

3.939148	0.038751	-0.01918	-0.09605	0.105334
3.943874	0.003078	0.020184	-0.07034	0.073244
3.9486	-0.00969	0.028403	-0.06739	0.073766
3.953326	0.012191	0.023544	-0.0348	0.043747
3.958051	-0.00525	-0.00265	0.00345	0.00682
3.962777	0.033349	0.004519	-0.0049	0.034008
3.967503	0.027942	-0.01571	0.021227	0.038446
3.972228	0.011873	-0.00605	-0.06676	0.068081
3.976954	0.015006	-0.00341	-0.09114	0.092428
3.98168	0.009725	-0.01015	-0.06785	0.069286
3.986406	-0.00639	0.021184	-0.04118	0.046749
3.991131	0.001259	0.001141	0.019667	0.01974
3.995857	0.014511	0.004951	0.065777	0.06754
4.000583	0.002567	0.013462	0.011845	0.018114
4.005308	0.000285	0.018328	-0.00961	0.020694
4.010034	-0.00075	0.039835	-0.04037	0.056719
4.01476	-0.003	0.036418	-0.07087	0.079737
4.019485	-0.0123	0.022267	-0.03824	0.045927
4.024211	-0.02518	0.03185	0.011914	0.042316
4.028937	-0.01895	0.017643	0.017753	0.031394
4.033663	-0.02579	0.024869	0.028287	0.045649
4.038388	-0.01938	0.010566	-0.00399	0.022432
4.043114	-0.00228	-5.9E-05	-0.0265	0.026598
4.04784	0.000569	0.001241	-0.00256	0.002898
4.052565	0.005768	0.010723	-0.00017	0.012177
4.057291	0.007393	-0.00249	0.018798	0.020352
4.062017	0.032761	-0.01088	0.003204	0.03467
4.066743	0.029483	-0.00383	0.010279	0.031457
4.071468	0.003631	-0.04202	0.029159	0.051275
4.076194	0.037286	-0.0657	-0.01856	0.07779
4.08092	0.023147	0.002202	-0.01012	0.025357
4.085645	0.003054	0.029214	-0.01123	0.031447
4.090371	-0.00046	0.045366	-0.0147	0.047692
4.095097	0.004181	0.025706	-0.01696	0.031079
4.099823	0.017131	0.014445	0.019954	0.030005
4.104548	0.012276	0.016345	-0.00632	0.021397
4.109274	0.004057	0.014866	-0.09408	0.09533
4.114	0.01503	0.05039	-0.08974	0.10401
4.118725	-0.00242	0.027681	-0.08069	0.08534
4.123451	-0.00662	0.025443	-0.08239	0.086486
4.128177	0.010506	0.050556	-0.00696	0.052104
4.132903	0.007248	0.02313	0.021569	0.032446
4.137628	0.015728	0.012403	0.040371	0.045067
4.142354	0.005125	0.004081	0.029353	0.030075
4.14708	0.000542	0.002946	0.001818	0.003504
4.151805	-0.00033	0.041059	-0.03379	0.053178
4.156531	0.005867	0.013641	-0.04063	0.043261
4.161257	0.004949	0.014912	-0.01657	0.022832
4.165983	0.017006	0.000735	0.00374	0.017428
4.170708	0.018298	0.006788	0.007267	0.020826
4.175434	0.018365	0.011634	-0.00822	0.023241
4.18016	0.014956	0.022399	-0.01408	0.030394

4.184885	0.000913	0.003428	-0.03177	0.031963
4.189611	0.00128	-0.00822	-0.04574	0.04649
4.194337	0.009922	-0.00187	-0.02638	0.028242
4.199062	-0.00275	0.00915	-0.00836	0.012696
4.203788	0.011941	0.002184	-0.00236	0.012366
4.208514	0.017018	-5.1E-05	0.011889	0.02076
4.21324	0.027958	0.014344	-0.01076	0.033213
4.217965	0.023438	0.012022	-0.01305	0.029395
4.222691	0.001159	-0.01162	-0.01175	0.016571
4.227417	0.006328	0.014889	-0.03302	0.036767
4.232142	0.012639	0.017351	-0.00546	0.022149
4.236868	0.003347	0.00307	-0.00779	0.009014
4.241594	0.006039	0.000786	-0.0184	0.019386
4.24632	-0.00543	-0.00618	-0.01944	0.021113
4.251045	-0.00727	0.001131	-0.02997	0.030856
4.255771	0.020608	-0.0095	-0.0143	0.026823
4.260497	0.004371	0.010866	-0.00233	0.011941
4.265222	-0.0096	0.01452	-0.03316	0.037448
4.269948	-0.01763	0.024063	0.007458	0.030748
4.274674	0.002854	0.010872	0.007394	0.013454
4.2794	-0.00994	-0.00217	0.003769	0.010851
4.284125	0.011901	0.009859	-0.00339	0.015821
4.288851	0.018378	-0.00665	-0.03303	0.038377
4.293577	0.00716	0.001943	-0.05293	0.053452
4.298302	-0.00022	0.010504	-0.04539	0.046588
4.303028	-0.03952	0.021439	-0.03316	0.055864
4.307754	0.007026	0.002511	-0.01985	0.021207
4.31248	0.034308	-0.00571	0.058597	0.068141
4.317205	-0.03602	0.015689	0.004696	0.03957
4.321931	0.008303	0.004988	-0.00486	0.010837
4.326657	0.011862	0.018246	-0.05823	0.062162
4.331382	0.00912	0.028226	-0.11351	0.117321
4.336108	0.02841	-0.0341	-0.04492	0.063148
4.340834	0.001696	-0.01283	0.025479	0.028579
4.345559	-0.07064	0.021193	0.101241	0.125255
4.350285	-0.05762	0.086898	0.122993	0.161241
4.355011	-0.16646	0.103738	0.043741	0.200956
4.359737	-0.14107	0.081193	-0.13091	0.208876
4.364462	0.002522	0.035487	-0.22812	0.230879
4.369188	0.090631	-0.01729	-0.24498	0.261782
4.373914	-0.06326	-0.09376	-0.16079	0.196583
4.378639	0.063337	-0.34454	-0.25032	0.430555
4.383365	0.238198	-0.33042	-0.27109	0.489287
4.388091	-0.06628	-0.31948	0.141953	0.355823
4.392817	-0.36706	-0.44048	0.851302	1.026386
4.397542	-0.3337	-0.87335	0.703868	1.170266
4.402268	-0.23776	-1.1656	1.039248	1.579616
4.406994	1.626127	-2.45835	-0.1275	2.950263
4.411719	2.411117	-3.37053	-1.02854	4.269876
4.416445	2.196713	-4.11314	-0.13735	4.665015
4.421171	1.497489	-4.36027	1.312336	4.7934
4.425897	0.562027	-3.64168	1.759518	4.08333

4.430622	1.630613	-2.69764	3.402802	4.638451
4.435348	2.98571	-1.34057	5.000623	5.976439
4.440074	4.715589	-0.57812	8.439739	9.68505
4.444799	4.769611	-0.4014	13.8457	14.6497
4.449525	4.089488	-0.50021	16.57824	17.08251
4.454251	4.116664	-0.17461	20.10388	20.52178
4.458977	3.96187	0.659917	23.66341	24.00186
4.463702	3.796721	1.795005	24.60733	24.96313
4.468428	4.018238	3.133764	24.87165	25.3883
4.473154	6.577381	2.789319	26.41097	27.36022
4.477879	4.58409	3.101368	27.41175	27.96491
4.482605	3.415624	3.81267	25.66981	26.17522
4.487331	3.387861	4.071528	24.66508	25.22739
4.492057	2.383059	3.147807	22.48331	22.82733
4.496782	3.144797	2.453486	21.53505	21.90132
4.501508	3.39198	1.202911	18.60679	18.95166
4.506234	2.793485	0.328721	16.26862	16.50998
4.510959	2.22878	-0.84404	12.22416	12.45432
4.515685	1.255122	-2.17427	10.05427	10.36296
4.520411	0.564049	-3.53297	8.384042	9.115493
4.525137	-0.06339	-4.56363	5.603133	7.226743
4.529862	-0.83538	-5.37293	3.012937	6.216429
4.534588	-1.30371	-5.74793	1.101257	5.995929
4.539314	-1.6423	-6.0147	-0.98633	6.312422
4.544039	-1.89426	-6.11654	-2.90466	7.031165
4.548765	-2.06258	-5.92956	-4.359	7.642956
4.553491	-2.26457	-5.52636	-5.2843	7.974508
4.558216	-2.42801	-5.11252	-6.26754	8.444825
4.562942	-2.6157	-4.95883	-8.0771	9.832163
4.567668	-2.67152	-4.96266	-9.80921	11.31307
4.572394	-2.43113	-4.91084	-11.0966	12.37587
4.577119	-1.79982	-4.72018	-11.8382	12.871
4.581845	-0.85428	-4.34938	-9.89332	10.84088
4.586571	-0.66667	-4.42932	-8.85398	9.922515
4.591296	-1.16727	-4.68684	-10.5478	11.60105
4.596022	-1.38681	-4.69673	-13.4154	14.28129
4.600748	-1.09971	-4.82376	-18.4612	19.1127
4.605474	-1.05276	-3.2243	-21.9539	22.21433
4.610199	-0.62549	-2.04453	-21.3911	21.49771
4.614925	0.259112	-1.56551	-21.5747	21.63295
4.619651	0.439945	-1.30503	-21.4417	21.48585
4.624376	0.670369	-1.43116	-19.8891	19.95183
4.629102	1.05788	-1.49778	-16.9379	17.03686
4.633828	0.85981	-1.58531	-14.6557	14.76629
4.638554	0.380319	-1.70198	-13.5775	13.689
4.643279	-0.12131	-1.76757	-12.916	13.0369
4.648005	-0.48973	-2.07159	-12.563	12.74211
4.652731	-0.80776	-1.67058	-11.8466	11.99106
4.657456	-0.44144	-1.70014	-11.3847	11.51943
4.662182	-0.74747	-1.32766	-10.6188	10.72757
4.666908	-0.87115	-0.83253	-10.2266	10.29732
4.671634	-0.77828	-0.51581	-9.99797	10.04148

4.676359	-0.6446	-0.53382	-9.68263	9.718734
4.681085	-0.52097	-0.62334	-9.41795	9.452923
4.685811	-0.4376	-0.62302	-9.14642	9.178056
4.690536	-0.54016	-0.77562	-8.19581	8.250132
4.695262	-0.68606	-1.5305	-4.45803	4.7631
4.699988	-1.38848	-2.60277	3.993836	4.965181
4.704713	-1.46288	-2.0266	2.779895	3.73831
4.709439	-2.20387	-1.52614	-1.7813	3.218568
4.714165	-1.64663	-0.98247	-2.93154	3.502933
4.718891	-0.54486	-0.78142	-3.58816	3.712461
4.723616	-0.54161	-0.66827	-5.3507	5.419398
4.728342	-0.95286	-0.70396	-5.66506	5.787613
4.733068	-1.07796	-1.09527	-4.46786	4.724761
4.737793	-1.43137	-1.51674	-3.15367	3.780861
4.742519	-1.7001	-1.73768	-3.29602	4.095562
4.747245	-1.7231	-1.74278	-3.96731	4.663252
4.751971	-1.7271	-1.61785	-4.31077	4.917628
4.756696	-1.66719	-1.50826	-5.03337	5.51264
4.761422	-1.58948	-1.51899	-6.25907	6.633983
4.766148	-1.53741	-1.57068	-6.9454	7.284867
4.770873	-1.5325	-1.59538	-7.1599	7.493861
4.775599	-1.54731	-1.60524	-7.37507	7.704713
4.780325	-1.48036	-1.6024	-7.53358	7.843085
4.785051	-1.40125	-1.6365	-7.65948	7.956709
4.789776	-1.42124	-1.5935	-7.62499	7.918308
4.794502	-1.41966	-1.51502	-7.52112	7.802432
4.799228	-1.3822	-1.44276	-7.20453	7.476447
4.803953	-1.34216	-1.37116	-6.63709	6.908865
4.808679	-1.25612	-1.26894	-5.97649	6.237507
4.813405	-1.16346	-1.20924	-5.16278	5.428642
4.818131	-1.04705	-1.2187	-3.99158	4.302823
4.822856	-0.9514	-1.21722	-3.00917	3.382588
4.827582	-0.87541	-1.22371	-2.32267	2.767414
4.832308	-0.88557	-1.13143	-1.56836	2.127
4.837033	-0.86457	-1.10622	-0.90278	1.669196
4.841759	-0.90892	-1.10174	-0.36287	1.473655
4.846485	-1.04871	-1.14086	-0.03093	1.549938
4.851211	-1.08258	-1.26509	0.160117	1.672746
4.855936	-1.09432	-1.29927	0.225855	1.713667
4.860662	-1.11339	-1.28012	0.172389	1.705304
4.865388	-1.09627	-1.19784	0.073955	1.625452
4.870113	-1.0074	-1.12533	0.050085	1.5112
4.874839	-0.87722	-0.98843	0.036176	1.322056
4.879565	-0.70498	-0.82471	-0.07899	1.087833
4.884291	-0.62087	-0.70752	-0.20338	0.963033
4.889016	-0.52182	-0.56819	-0.25102	0.811259
4.893742	-0.40396	-0.47344	-0.20888	0.656477
4.898468	-0.2909	-0.45067	-0.10698	0.546963
4.903193	-0.21944	-0.4821	0.006845	0.529737
4.907919	-0.23614	-0.49517	0.121866	0.561969
4.912645	-0.26091	-0.51677	0.281159	0.643563
4.917371	-0.32011	-0.51559	0.482357	0.775225

4.922096	-0.43629	-0.49095	0.562985	0.865063
4.926822	-0.71378	-0.55685	0.598509	1.085254
4.931548	-1.02424	-0.60956	0.723989	1.394559
4.936273	-1.22798	-0.67399	0.717024	1.573639
4.940999	-1.28007	-0.67133	0.702049	1.606899
4.945725	-1.13998	-0.56826	0.86426	1.539289
4.95045	-0.90266	-0.4444	1.216603	1.57874
4.955176	-0.70383	-0.28593	1.519892	1.699176
4.959902	-0.48149	-0.16569	1.943776	2.009367
4.964628	-0.26264	-0.05649	2.196461	2.212828
4.969353	0.028617	0.009485	2.152587	2.152798
4.974079	0.480483	-0.02259	2.17924	2.231695
4.978805	0.846384	-0.05835	2.273845	2.426961
4.98353	1.056014	-0.10426	2.398047	2.62234
4.988256	1.055394	-0.13031	2.517189	2.732595
4.992982	1.01391	-0.21652	2.649239	2.844883
4.997708	0.90851	-0.35322	2.663973	2.836707
5.002433	0.734449	-0.46967	2.615319	2.756791
5.007159	0.503756	-0.47829	2.539216	2.632517
5.011885	0.344382	-0.46866	2.422569	2.491402
5.01661	0.220272	-0.4496	2.410057	2.46151
5.021336	0.201646	-0.3827	2.508774	2.545794
5.026062	0.363484	-0.14169	2.770006	2.797343
5.030788	0.572714	0.220615	3.050181	3.111315
5.035513	0.777766	0.569495	3.238143	3.378582
5.040239	0.923754	0.801928	3.363856	3.579377
5.044965	0.942291	0.951563	3.377206	3.63303
5.04969	0.942143	1.031929	3.309387	3.592291
5.054416	1.060913	1.062512	3.305062	3.630139
5.059142	1.158309	1.000408	3.25542	3.597256
5.063868	1.226917	0.875818	3.055365	3.406998
5.068593	1.214473	0.846969	2.924932	3.278343
5.073319	1.18078	0.814971	2.641781	3.006231
5.078045	1.12065	0.809805	2.292153	2.676865
5.08277	0.642504	0.945015	2.074399	2.368332
5.087496	0.033479	0.521986	1.56769	1.652647
5.092222	1.142046	0.59174	0.327561	1.327299
5.096948	1.844753	0.652994	0.673917	2.069705
5.101673	2.999761	0.232292	1.220159	3.246739
5.106399	3.120122	-0.11439	2.329576	3.895532
5.111125	2.899053	-1.39962	19.54195	19.80534
5.11585	9.260653	2.540092	47.0506	48.02052
5.120576	-2.01443	0.491238	13.63702	13.79375
5.125302	-10.073	-0.94463	6.644296	12.10393
5.130028	-2.80762	1.645242	39.40662	39.54076
5.134753	3.554348	1.978027	32.37137	32.62593
5.139479	1.777473	1.446639	-4.949	5.453878
5.144205	1.50963	3.125446	-17.2697	17.6151
5.14893	2.117528	2.493139	-12.3706	12.79575
5.153656	-0.05694	-0.07741	-0.13237	0.163575
5.158382	0.458669	-0.51062	-3.56137	3.626913
5.163108	0.653491	-1.67781	-11.6027	11.74163

5.167833	0.470784	-0.80923	-6.53254	6.599289
5.172559	0.6078	-0.65694	-3.38658	3.502843
5.177285	-0.00219	-0.9423	-8.48135	8.533531
5.18201	0.102888	-0.75656	-11.7584	11.78316
5.186736	0.108518	-0.34232	-10.1077	10.11405
5.191462	0.370527	-0.39713	-9.93248	9.947317
5.196188	0.579703	-0.14839	-11.5185	11.53401
5.200913	0.872978	0.382816	-11.265	11.30525
5.205639	0.313575	0.815918	-1.95109	2.13794
5.210365	-0.08423	1.00343	-7.72557	7.790916
5.21509	-0.99016	1.065689	-1.46068	2.061482
5.219816	0.267505	1.198549	16.23122	16.27761
5.224542	4.228611	-1.0003	47.58104	47.77904
5.229267	-2.30565	-1.73157	7.025728	7.594419
5.233993	-3.88565	1.509749	-7.51668	8.595237
5.238719	1.373622	2.36752	13.00963	13.29445
5.243445	-1.17194	1.104046	-3.61535	3.957667
5.24817	-1.51947	0.619172	-10.8934	11.01632
5.252896	0.222423	-0.05496	-2.55007	2.560337
5.257622	1.224744	-1.91252	5.708767	6.14392
5.262347	0.105886	-1.31377	0.881764	1.585788
5.267073	-0.23938	0.350032	2.235565	2.275429
5.271799	0.434633	0.681793	1.161386	1.41512
5.276525	0.488023	0.494135	-2.04819	2.162735
5.28125	0.711838	0.350173	-1.59137	1.778139
5.285976	0.675715	0.181459	-1.18615	1.377123
5.290702	0.869222	-0.44652	-0.65915	1.17873
5.295427	-0.02853	-0.61442	0.504269	0.795366
5.300153	-0.58209	-0.38305	0.796377	1.058193
5.304879	-0.51559	-0.16011	0.212253	0.580098
5.309605	-0.19823	-0.26359	0.135521	0.356567
5.31433	-0.00804	-0.28553	0.296699	0.411851
5.319056	-0.00496	-0.26807	0.525782	0.590196
5.323782	0.090893	-0.1764	0.45699	0.498217
5.328507	0.117777	-0.2233	0.07874	0.264449
5.333233	0.091269	-0.25077	-0.52251	0.586713
5.337959	-0.01632	-0.3122	-0.82905	0.886038
5.342685	-0.06963	-0.31766	-0.50072	0.597052
5.34741	-0.03605	-0.21849	-0.04016	0.225058
5.352136	-0.09581	-0.12296	0.24536	0.290689
5.356862	-0.15542	0.016096	0.255697	0.299661
5.361587	-0.1658	0.087014	0.037822	0.191025
5.366313	-0.06693	0.110393	-0.04234	0.135861
5.371039	-0.0145	0.120598	-0.01842	0.122855
5.375765	-0.02696	0.550101	0.290948	0.622888
5.38049	0.296388	0.679651	1.903371	2.042692
5.385216	0.746984	0.019965	-0.43064	0.862459
5.389942	0.699476	-0.31732	0.244579	0.806087
5.394667	0.612402	-0.44383	0.141103	0.769368
5.399393	0.045808	-0.19535	-1.13071	1.148376
5.404119	-0.26379	-0.0873	-1.42808	1.454863
5.408845	-0.49297	0.065506	-1.07491	1.184373

5.41357	-0.52001	0.169224	-0.2358	0.595525
5.418296	-0.27087	0.121701	0.688234	0.749567
5.423022	-0.06375	0.006934	1.336197	1.337735
5.427747	0.006102	0.188305	1.333171	1.346418
5.432473	0.284223	0.047325	1.087503	1.125027
5.437199	0.168988	-0.08171	-0.25476	0.316441
5.441924	0.025278	-0.16569	-0.89983	0.915304
5.44665	-0.11737	-0.0622	-1.1234	1.131224
5.451376	-0.18064	0.110436	-1.11601	1.135913
5.456102	-0.12817	0.197824	-0.60673	0.650907
5.460827	-0.16165	0.1172	-0.00249	0.199685
5.465553	-0.09346	0.086363	0.551964	0.566443
5.470279	-0.09187	0.039249	0.805758	0.811929
5.475004	-0.07735	0.053157	0.553758	0.561655
5.47973	-0.16369	0.034941	0.157479	0.229815
5.484456	-0.60319	-0.09185	-0.47486	0.773159
5.489182	0.143333	0.210541	-0.78613	0.826363
5.493907	0.014794	0.223091	-0.73251	0.765871
5.498633	-0.02303	0.190942	-0.68371	0.710243
5.503359	-0.0508	0.117724	0.067624	0.144957
5.508084	-0.01823	0.03854	0.436814	0.43889
5.51281	0.014556	-0.00239	0.47572	0.475949
5.517536	-0.0002	-0.02625	0.432115	0.432911
5.522262	0.029817	-0.01223	0.232028	0.234256
5.526987	0.016533	0.001766	0.050119	0.052805
5.531713	0.04053	0.022062	-0.09571	0.10625
5.536439	0.097206	0.013234	-0.14335	0.173706
5.541164	0.055966	0.043362	-0.25066	0.260469
5.54589	0.019829	0.109584	-0.14036	0.179175
5.550616	-0.00935	0.082265	0.002061	0.08282
5.555342	-0.02674	0.074867	0.09172	0.121378
5.560067	-0.0394	0.06835	0.119123	0.142878
5.564793	-0.02835	0.053335	0.064041	0.088033
5.569519	-0.04981	0.061015	0.003057	0.078823
5.574244	-0.0957	0.051727	-0.00408	0.108858
5.57897	0.033865	-0.04149	0.078389	0.094938
5.583696	0.017487	-0.02243	0.103394	0.107233
5.588422	-0.04206	-0.02249	-0.14765	0.155168
5.593147	-0.02554	-0.04867	-0.01363	0.056625
5.597873	0.077458	-0.06022	-0.11398	0.150394
5.602599	0.037297	-0.15608	-0.14847	0.218623
5.607324	0.218507	-0.24127	-0.08256	0.335815
5.61205	0.092024	-0.10129	0.119471	0.181664
5.616776	-0.04891	0.071214	0.336765	0.34767
5.621502	-0.00279	0.006518	0.155881	0.156042
5.626227	-0.04968	0.099816	-0.00325	0.111543
5.630953	0.029389	0.060702	-0.0343	0.075662
5.635679	-0.04894	0.083008	-0.11666	0.151315
5.640404	-0.12669	0.232772	-0.25746	0.369484
5.64513	0.183231	0.170907	0.133634	0.283973
5.649856	-0.00523	0.100982	-0.39226	0.405085
5.654582	0.042054	-0.01634	-0.17547	0.181177

5.659307	0.100083	-0.0792	0.176036	0.217434
5.664033	0.103523	-0.05551	0.199665	0.231657
5.668759	-0.05631	0.069571	0.158729	0.182225
5.673484	-0.06373	0.089058	-0.22026	0.245982
5.67821	-0.17406	0.162246	-0.43141	0.49268
5.682936	-0.1796	0.186597	-0.06511	0.267044
5.687662	-0.19197	0.242552	0.203936	0.370506
5.692387	-0.18373	0.327529	0.242	0.446762
5.697113	-0.10421	0.317643	0.133018	0.359791
5.701839	-0.05122	0.245712	-0.07502	0.261965
5.706564	0.007307	0.104948	-0.11551	0.15624
5.71129	-0.02605	0.013664	-0.15475	0.157526
5.716016	-0.01788	0.033553	-0.03024	0.04858
5.720742	-0.03273	0.06638	0.046324	0.087314
5.725467	0.003822	0.109841	0.03795	0.116275
5.730193	-0.00841	0.089227	0.021066	0.092065
5.734919	-0.04198	0.087741	-0.06923	0.11939
5.739644	-0.01946	0.057706	-0.0437	0.074958
5.74437	0.073414	-0.0471	0.114481	0.143922
5.749096	0.016126	-0.1086	0.03286	0.114606
5.753822	0.030795	-0.13903	0.006481	0.142544
5.758547	0.050501	-0.11371	0.125051	0.176401
5.763273	0.051545	-0.02138	0.096679	0.111629
5.767999	0.00198	0.041285	0.11598	0.123125
5.772724	-0.02192	0.071309	0.062738	0.097477
5.77745	-0.03397	0.033519	-0.02327	0.053099
5.782176	-0.03679	0.011307	0.020756	0.04373
5.786901	-0.06079	-0.02771	0.153388	0.167305
5.791627	0.07265	0.049292	0.065429	0.109493
5.796353	0.010028	0.087349	-0.30532	0.317731
5.801079	-0.09506	0.00161	-0.40485	0.415861
5.805804	0.021702	-0.00448	0.22489	0.225979
5.81053	0.042415	0.07002	0.226496	0.240836
5.815256	-0.02201	0.134855	-0.19188	0.235563
5.819981	0.010807	0.100818	-0.07763	0.127702
5.824707	0.069725	0.088508	-0.05332	0.124652
5.829433	0.04759	0.062149	-0.10514	0.131076
5.834159	0.05865	0.068186	-0.01889	0.091901
5.838884	0.098984	0.028933	0.026304	0.106428
5.84361	0.0915	0.031226	0.067553	0.117944
5.848336	0.10446	0.009744	0.037266	0.111336
5.853061	0.07819	0.025446	-0.08768	0.120201
5.857787	0.086488	-0.00021	-0.14869	0.172013
5.862513	0.079109	-0.01721	-0.08579	0.117963
5.867239	0.107217	-0.05783	-0.03173	0.125882
5.871964	0.096968	-0.04243	0.0124	0.106567
5.87669	0.074675	-0.08886	-0.0257	0.118884
5.881416	0.009818	-0.07436	-0.02196	0.07815
5.886141	0.002427	-0.07522	-0.05621	0.093936
5.890867	0.027121	-0.09861	-0.05577	0.116488
5.895593	0.038661	-0.05999	-0.06363	0.095615
5.900319	0.037239	-0.03823	-0.00143	0.053391

5.905044	-0.03774	0.041549	0.006867	0.056551
5.90977	-0.06242	0.070909	-0.01812	0.096192
5.914496	-0.06798	0.052638	-0.03578	0.093124
5.919221	-0.06161	0.050918	0.009583	0.080503
5.923947	-0.02653	0.064554	0.083036	0.108471
5.928673	-0.0024	0.047073	0.04672	0.066365
5.933399	0.020609	0.062888	0.017818	0.068535
5.938124	0.000811	0.060942	0.012892	0.062296
5.94285	-0.02151	0.050848	-0.07978	0.097023
5.947576	0.026209	0.044298	-0.04236	0.066662
5.952301	0.040235	0.037929	-0.00051	0.055297
5.957027	0.046881	0.028207	-0.03611	0.065553
5.961753	-0.00859	0.022252	-0.09751	0.100382
5.966479	0.013591	0.023394	-0.01246	0.029789
5.971204	0.049909	0.020813	0.050508	0.073995
5.97593	0.020627	0.013366	0.028715	0.037798
5.980656	-0.00138	0.032027	0.009477	0.033428
5.985381	-0.00666	0.020928	-0.01672	0.027601
5.990107	-0.02986	0.034851	-0.02133	0.050609
5.994833	-0.009	0.046314	-0.01761	0.050358
5.999559	-0.01537	0.037497	-0.01154	0.042136
6.004284	-0.00141	0.03593	-0.01264	0.038116
6.00901	0.011353	0.036876	-0.04696	0.060776
6.013736	-0.00795	0.06774	-0.08098	0.105873
6.018461	-0.0104	0.052204	-0.05183	0.074295
6.023187	-0.01165	0.065426	-0.04072	0.077937
6.027913	-0.00699	0.035882	-0.05936	0.069711
6.032639	-0.00477	0.027981	-0.01496	0.032084
6.037364	-0.00746	0.016588	-0.00059	0.018198
6.04209	-0.02464	0.038482	-0.0065	0.046153
6.046816	0.017759	0.035303	-0.0278	0.048315
6.051541	0.021853	0.04526	0.0116	0.051581
6.056267	0.007975	0.019329	-0.03239	0.038551
6.060993	0.018279	0.043165	0.087708	0.099448
6.065719	0.030769	0.014414	0.097648	0.10339
6.070444	-0.00212	0.042839	0.012591	0.044702
6.07517	0.005822	0.031763	0.021965	0.039054
6.079896	-0.00055	0.028971	0.032447	0.043502
6.084621	0.021707	0.039269	0.008433	0.045655
6.089347	-0.01778	0.006685	0.019021	0.026878
6.094073	-0.00947	0.015883	0.002232	0.018627
6.098798	0.007051	0.017815	0.010498	0.021847
6.103524	-0.00764	0.025578	0.049542	0.056276
6.10825	-0.01661	0.018815	0.000463	0.0251
6.112976	-0.0005	0.013224	0.050263	0.051976
6.117701	-0.0106	0.02196	0.007109	0.025401
6.122427	-0.00639	0.028417	-0.09026	0.094843
6.127153	-0.00444	0.024354	-0.06461	0.069189
6.131878	0.016648	0.011003	-0.07713	0.079674
6.136604	0.007797	0.025078	-0.06108	0.066486
6.14133	-0.00702	0.06042	-0.01549	0.062769
6.146056	-0.00182	0.030199	0.021407	0.037062

6.150781	-0.01575	0.043876	0.055625	0.072577
6.155507	-0.02357	0.008528	0.064632	0.069321
6.160233	-0.00627	0.043474	0.064073	0.077683
6.164958	-0.01045	0.047366	-0.03258	0.058433
6.169684	-0.0301	0.048995	-0.08571	0.103216
6.17441	0.005056	0.053052	-0.034	0.063213
6.179136	0.017378	0.028643	-0.01474	0.036603
6.183861	0.023667	0.030595	-0.02531	0.046224
6.188587	0.004889	0.029112	-0.01798	0.034567
6.193313	0.000418	0.024082	-0.03326	0.041068
6.198038	0.018413	0.018018	-0.01638	0.030526
6.202764	0.02202	0.01058	0.007483	0.025551
6.20749	0.050554	0.022102	0.057241	0.079504
6.212216	0.002874	-0.01053	0.040141	0.041598
6.216941	0.023412	-0.0227	0.003011	0.032748
6.221667	0.018974	-0.04771	-0.03381	0.061476
6.226393	0.011095	-0.02726	-0.07269	0.078421
6.231118	0.029495	0.041688	-0.04955	0.071155
6.235844	-0.01517	0.053032	-0.00288	0.055233
6.24057	-0.00971	0.05116	0.030354	0.060274
6.245296	-0.00793	0.032484	0.063304	0.071593
6.250021	-0.01567	0.017327	0.053262	0.058159
6.254747	-0.02083	0.032961	0.046858	0.06096
6.259473	-0.02128	0.017603	-0.00458	0.027997
6.264198	-0.02885	0.034422	0.004926	0.04518
6.268924	-0.01262	0.014111	0.022649	0.029517
6.27365	-0.00025	0.024647	0.037848	0.045166
6.278376	-0.01304	0.031354	0.060037	0.068975
6.283101	0.006252	0.029559	0.053563	0.061497
6.287827	-0.00905	0.011154	0.025789	0.02952
6.292553	-0.01728	0.017846	-0.01243	0.027776
6.297278	0.009012	0.024722	-0.04676	0.053657
6.302004	-0.01592	0.010296	-0.0381	0.042552
6.30673	0.002069	0.025708	-0.02831	0.0383
6.311456	0.011548	0.025611	-0.01743	0.03306
6.316181	-0.00397	0.012547	-0.03154	0.034177
6.320907	-0.01574	0.011487	-0.02893	0.034879
6.325633	-0.00718	0.017527	-0.01092	0.021861
6.330358	0.000288	0.034165	-0.01441	0.037081
6.335084	-0.00162	0.024704	-0.01788	0.030536
6.33981	0.008333	0.028528	-0.06877	0.074913
6.344536	0.004118	0.059735	-0.08245	0.101897
6.349261	-0.00117	0.033803	-0.02483	0.041959
6.353987	0.012551	0.027013	-0.02464	0.03866
6.358712	0.00481	0.028656	-0.01734	0.033837
6.363438	0.012545	0.021938	-0.02433	0.035081
6.368164	0.006162	0.027141	0.015003	0.031618
6.37289	0.001102	0.024971	0.02197	0.033278
6.377616	-0.00394	0.00611	0.011081	0.013254
6.382341	0.017068	-0.00196	0.022823	0.028567
6.387067	0.014177	0.017385	0.019048	0.029429
6.391793	0.013725	0.010452	-0.02622	0.031388

6.396518	0.004931	0.028745	-0.05094	0.058698
6.401244	-0.00982	0.025712	-0.11104	0.114401
6.40597	-0.00785	0.033678	-0.09589	0.101933
6.410696	0.00373	0.032213	-0.07255	0.079471
6.415421	-0.00138	0.02134	-0.04704	0.051672
6.420147	-0.00049	0.042576	-0.02767	0.050781
6.424873	-0.00788	0.058863	0.008144	0.059944
6.429598	-0.04111	0.06065	0.030605	0.079406
6.434324	-0.0206	0.056435	0.032711	0.068406
6.43905	0.004423	0.058229	0.013444	0.059924
6.443776	0.022094	0.026773	-0.01397	0.037417
6.448501	0.013486	-0.00205	-0.03285	0.035567
6.453227	0.045217	-0.01046	-0.01004	0.047485
6.457953	0.029141	-0.02116	-0.00048	0.036017
6.462678	0.046319	-0.02473	0.010194	0.053486
6.467404	0.03831	-0.02956	0.03857	0.06188
6.47213	0.031484	0.003583	0.041797	0.05245
6.476856	0.02124	0.01621	-9.1E-05	0.026719
6.481581	0.01844	0.033508	0.003455	0.038402
6.486307	0.005183	0.036452	-0.03456	0.050495
6.491033	-0.00044	0.013255	-0.02124	0.025039
6.495758	-0.0069	0.037682	-0.00803	0.039142
6.500484	-0.00135	0.028672	-0.01867	0.034239
6.50521	-0.02914	0.042364	-0.05887	0.078162
6.509936	-0.03046	0.023894	0.000923	0.038723
6.514661	-0.02101	0.016171	0.016315	0.031128
6.519387	-0.00109	-0.00216	-0.00638	0.006829
6.524113	-0.00879	0.025924	-0.01228	0.030002
6.528838	-0.0118	0.012323	-0.0122	0.020972
6.533564	-0.00425	0.030925	-0.00618	0.031821
6.53829	0.005529	0.023285	-0.00733	0.025029
6.543016	0.011679	0.018067	-0.02864	0.035817
6.547741	-0.00366	0.027185	-0.03078	0.041232
6.552467	4.8E-05	0.007809	-0.03054	0.03152
6.557193	0.032288	0.030078	-0.0125	0.045863
6.561918	0.020559	0.033123	0.020813	0.044193
6.566644	0.024267	0.037258	0.007575	0.045104
6.57137	0.002843	0.011921	-0.01741	0.021293
6.576096	0.021742	-0.0108	-0.04338	0.049708
6.580821	0.013067	-0.018	-0.01692	0.027946
6.585547	0.013844	-0.02042	0.019992	0.031751
6.590273	0.014444	-0.02159	0.012699	0.02891
6.594998	0.032736	0.003328	-0.02301	0.04015
6.599724	0.01411	-0.0169	-0.01214	0.025138
6.60445	0.001473	0.006862	-0.01679	0.018196
6.609176	-0.00993	0.034038	-0.01309	0.037797
6.613901	-0.02259	0.017104	0.002439	0.028438
6.618627	-0.02086	0.040509	0.00716	0.046124
6.623353	-0.02757	0.04348	0.017772	0.054463
6.628078	-0.03074	0.052344	0.002195	0.060742
6.632804	-0.03508	0.060033	-0.02393	0.073534
6.63753	-0.04517	0.040538	-0.06288	0.087394

6.642256	-0.03719	0.023719	-0.06829	0.081297
6.646981	-0.02224	0.045077	-0.06535	0.082441
6.651707	-0.0218	0.048461	-0.0126	0.054612
6.656433	0.001059	0.041111	-0.00181	0.041164
6.661158	0.031613	0.010289	-0.03975	0.051821
6.665884	0.054341	0.002842	-0.14618	0.155979
6.67061	0.055116	0.049774	-0.28373	0.293289
6.675335	0.047212	0.084513	-0.39401	0.405727
6.680061	0.011484	0.087425	-0.50096	0.508657
6.684787	-0.04111	0.128873	-0.57256	0.588324
6.689513	-0.1093	0.291839	-0.60199	0.677872
6.694238	-0.17487	0.395207	-0.60027	0.739655
6.698964	-0.29706	0.486877	-0.48104	0.746116
6.70369	-0.66591	1.114337	-0.42441	1.365764
6.708415	-0.16094	0.397472	0.649783	0.778527
6.713141	0.211023	0.889167	0.462327	1.024156
6.717867	-0.20662	0.951521	0.612363	1.150249
6.722593	-0.15363	0.316813	2.240985	2.268477
6.727318	0.204615	0.341849	0.070784	0.404646
6.732044	0.330607	0.16383	0.628151	0.728502
6.73677	0.520022	-0.7354	0.761907	1.179717
6.741495	0.791002	-1.06067	-0.829	1.561393
6.746221	-0.2195	-0.97034	0.721494	1.228941
6.750947	0.493156	-1.5433	1.153563	1.988894
6.755673	1.968802	-2.69822	1.089167	3.51324
6.760398	3.391443	-3.62099	3.568953	6.111534
6.765124	3.950455	-3.92293	5.550804	7.861736
6.76985	2.082472	-3.34367	11.2827	11.95057
6.774575	2.082134	-3.0378	13.75956	14.24391
6.779301	1.573515	-2.22123	17.52218	17.73236
6.784027	2.262009	-1.01095	21.99928	22.13837
6.788753	3.34468	-0.01199	23.13025	23.37083
6.793478	4.429173	1.014492	23.56962	24.00362
6.798204	5.662172	1.748219	24.54097	25.2463
6.802929	6.482923	2.514537	24.25923	25.23611
6.807655	7.089897	2.944734	24.42053	25.59884
6.812381	6.694402	2.933703	25.56431	26.58863
6.817107	4.621938	3.093398	23.84413	24.48415
6.821833	2.266658	3.049135	21.22823	21.56555
6.826558	1.245281	2.617621	17.86305	18.09672
6.831284	1.631362	1.768323	15.05324	15.24428
6.83601	2.573599	1.08966	13.56927	13.85409
6.840735	2.57934	-0.50751	10.02614	10.36504
6.845461	1.813616	-2.19104	8.393463	8.862283
6.850187	0.879958	-3.66296	6.852794	7.819999
6.854913	0.274039	-4.61743	4.159401	6.220642
6.859638	-0.37075	-5.27035	1.765824	5.570654
6.864364	-0.56443	-5.53131	-0.14296	5.561872
6.86909	-0.73915	-5.70505	-1.97692	6.082935
6.873815	-1.0559	-5.80262	-4.00785	7.13079
6.878541	-1.49555	-5.87088	-5.53599	8.206772
6.883267	-1.95292	-5.92326	-6.62442	9.098449

6.887993	-2.05265	-5.7432	-7.66566	9.795919
6.892718	-2.11325	-5.2715	-8.55939	10.27218
6.897444	-2.1537	-4.77648	-9.2684	10.6469
6.90217	-2.00568	-4.29274	-10.202	11.24864
6.906895	-2.14722	-4.06737	-11.5627	12.4439
6.911621	-1.70445	-3.80372	-12.135	12.83085
6.916347	-1.16392	-3.36896	-9.77777	10.40718
6.921073	-1.08532	-3.70046	-8.87039	9.672393
6.925798	-0.90154	-4.22804	-10.6384	11.48323
6.930524	-0.95318	-4.12731	-13.4885	14.13798
6.93525	-1.02107	-4.76324	-19.3257	19.93026
6.939975	-0.16603	-2.52034	-19.6085	19.77049
6.944701	0.469149	-1.51345	-18.1382	18.2073
6.949427	0.988678	-1.12742	-16.1494	16.21888
6.954153	0.298083	-1.49696	-16.6836	16.75328
6.958878	-0.10181	-1.68387	-18.5665	18.64298
6.963604	-0.01395	-1.34362	-16.9817	17.03478
6.96833	0.008151	-1.73646	-15.4472	15.54453
6.973055	0.038949	-1.71016	-14.3794	14.48077
6.977781	-0.17936	-1.71588	-13.8397	13.94684
6.982507	-0.48233	-1.94281	-12.9925	13.1458
6.987233	-0.68889	-2.19144	-12.3644	12.57601
6.991958	-0.61593	-1.75511	-11.6955	11.84253
6.996684	-0.59431	-1.2492	-10.6651	10.75441
7.00141	-0.7279	-0.91174	-9.94934	10.01751
7.006135	-0.96951	-0.8051	-9.85951	9.939724
7.010861	-1.29892	-0.92516	-9.8725	10.00047
7.015587	-1.54073	-1.15797	-9.61182	9.803158
7.020313	-1.74512	-1.38039	-8.46391	8.751497
7.025038	-3.54593	-2.45221	-0.16226	4.314308
7.029764	-1.70114	-2.5251	1.001668	3.205212
7.03449	-2.13648	-2.52797	3.126003	4.5527
7.039215	-2.32099	-2.39019	5.482448	6.41539
7.043941	-1.78255	-1.56419	2.142454	3.195978
7.048667	-1.597	-0.64409	-2.73953	3.23578
7.053393	-1.14372	-0.20474	-4.82207	4.960074
7.058118	-1.01193	-0.28587	-4.59839	4.71709
7.062844	-1.13848	-0.52263	-4.21973	4.401751
7.06757	-1.40942	-0.91074	-3.70176	4.064354
7.072295	-1.72247	-1.39559	-2.7083	3.499921
7.077021	-1.70152	-1.59909	-2.58665	3.484681
7.081747	-1.72485	-1.54357	-3.708	4.371151
7.086473	-1.74944	-1.40636	-5.01055	5.490358
7.091198	-1.78862	-1.31927	-6.09423	6.486851
7.095924	-1.60114	-1.18862	-6.8291	7.114291
7.10065	-1.40615	-1.05857	-6.8712	7.093041
7.105375	-1.4632	-1.06344	-6.71916	6.95837
7.110101	-1.46977	-1.10561	-6.51969	6.774142
7.114827	-1.42358	-1.14786	-6.18183	6.446639
7.119553	-1.15671	-1.18214	-5.86225	6.091094
7.124278	-1.0055	-1.20417	-5.64837	5.862181
7.129004	-1.0418	-1.21163	-5.50688	5.734031

7.13373	-1.02716	-1.17611	-5.37214	5.59448
7.138455	-0.95838	-1.11772	-5.05782	5.267766
7.143181	-0.87708	-1.13725	-4.48757	4.711777
7.147907	-0.98771	-1.23052	-4.0175	4.316256
7.152633	-1.24272	-1.26311	-3.51228	3.933945
7.157358	-1.41263	-1.28809	-3.02322	3.576952
7.162084	-1.34135	-1.26601	-2.88364	3.423063
7.16681	-1.13449	-1.20579	-2.94021	3.374291
7.171535	-0.92103	-1.15976	-2.97763	3.325603
7.176261	-0.87214	-1.11888	-2.79384	3.133381
7.180987	-0.90441	-1.04347	-2.39968	2.76862
7.185713	-1.00012	-0.97733	-1.86099	2.327809
7.190438	-1.10923	-1.00127	-1.32123	1.994639
7.195164	-1.11785	-1.00451	-0.79353	1.699511
7.19989	-1.00665	-0.88829	-0.36629	1.39161
7.204615	-0.89517	-0.66857	-0.03223	1.117748
7.209341	-0.75542	-0.4591	0.188416	0.903839
7.214067	-0.58273	-0.3396	0.358974	0.76404
7.218793	-0.44712	-0.22481	0.47703	0.691385
7.223518	-0.31161	-0.18539	0.504416	0.621216
7.228244	-0.18683	-0.17632	0.677851	0.724897
7.23297	-0.05148	-0.21244	0.921895	0.947454
7.237695	-0.00085	-0.23936	1.100315	1.12605
7.242421	0.016858	-0.24188	1.137951	1.163497
7.247147	0.047763	-0.33823	1.107857	1.159322
7.251873	0.043231	-0.49084	0.995774	1.111016
7.256598	-0.0374	-0.66313	0.873445	1.09729
7.261324	-0.07749	-0.79545	0.756304	1.100336
7.26605	-0.15649	-0.84597	0.665748	1.087832
7.270775	-0.1815	-0.8176	0.679333	1.078381
7.275501	-0.14348	-0.73285	0.844675	1.127444
7.280227	0.002183	-0.61712	1.150821	1.305844
7.284953	0.088372	-0.46091	1.456587	1.530326
7.289678	0.126275	-0.34582	1.681909	1.72173
7.294404	0.167614	-0.31968	1.808959	1.84462
7.29913	0.196815	-0.29266	1.827118	1.860845
7.303855	0.20099	-0.2043	1.797551	1.820254
7.308581	0.175568	0.00656	1.801647	1.810193
7.313307	0.162554	0.172618	1.857349	1.872423
7.318033	0.157633	0.233466	1.846323	1.867689
7.322758	0.222602	0.175947	1.689775	1.713431
7.327484	0.283409	0.1197	1.555141	1.58528
7.33221	0.289051	0.111356	1.576175	1.606324
7.336935	0.031004	0.106981	1.427692	1.432031
7.341661	0.086291	0.017733	1.222178	1.225349
7.346387	0.175284	-0.07212	1.417256	1.429874
7.351113	0.251304	-0.07002	1.603774	1.624853
7.355838	0.531039	-0.18363	1.661117	1.753577
7.360564	0.675895	-0.22532	1.741212	1.881335
7.36529	0.617025	0.046507	2.401932	2.480355
7.370015	0.814081	0.265326	2.873042	2.997916
7.374741	0.927083	0.353575	2.869285	3.035999

7.379467	0.960573	0.319911	2.825027	3.000971
7.384193	0.846489	0.187015	2.903935	3.030571
7.388918	0.278268	0.193683	2.848825	2.868928
7.393644	-0.18226	0.325628	2.228331	2.25936
7.39837	-0.01095	0.533597	1.692787	1.774929
7.403095	0.519041	0.599767	2.648487	2.764707
7.407821	9.599877	3.81203	22.60591	24.8539
7.412547	22.39586	-5.66559	51.20514	56.17508
7.417273	-0.75279	1.335772	-27.8843	27.92647
7.421998	-9.11086	4.559285	-8.64161	13.35935
7.426724	-2.86232	3.95343	28.80416	29.21476
7.43145	0.220753	-0.63466	24.6423	24.65146
7.436175	-2.32177	-0.92527	-7.08755	7.515322
7.440901	-1.92574	2.088507	-10.9659	11.32793
7.445627	2.74008	2.800874	-1.84002	4.328813
7.450353	0.424565	-0.16058	9.340464	9.351487
7.455078	0.962545	-0.61063	-0.35457	1.193766
7.459804	0.778098	-0.47404	-13.0505	13.08227
7.46453	-1.88492	-0.80673	-7.84641	8.109865
7.469255	-2.14405	-0.83143	-3.54768	4.227791
7.473981	-1.03273	-0.511	-7.76872	7.853705
7.478707	-1.2229	-0.95364	-9.93467	10.05498
7.483433	-1.05269	-0.94398	-9.30515	9.411966
7.488158	-0.5435	-0.65735	-9.33401	9.372901
7.492884	-0.56196	-0.1989	-8.62801	8.64858
7.49761	-0.44257	-0.21492	-11.1241	11.13495
7.502335	1.190488	-0.63349	-11.4818	11.56076
7.507061	2.899018	-1.12171	-9.57872	10.07047
7.511787	3.968613	-0.52569	-6.73381	7.833929
7.516513	1.865375	-1.19832	-14.1293	14.30218
7.521238	0.336492	0.117854	-3.5886	3.606272
7.525964	1.75631	0.6503	0.938715	2.094922
7.53069	1.22556	0.500221	-1.60495	2.080402
7.535415	0.3851	1.164844	3.809915	4.002576
7.540141	-0.07592	0.46136	7.961716	7.975433
7.544867	-0.4288	0.198221	14.42416	14.43189
7.549593	0.857777	-0.93664	38.78785	38.80864
7.554318	-2.54722	-2.20992	15.45547	15.81909
7.559044	-2.71804	1.872622	-2.19611	3.964515
7.56377	-0.09413	2.19143	10.84201	11.06167
7.568495	-0.70026	1.006239	-5.84195	5.969189
7.573221	-0.1393	1.017645	-8.8646	8.923906
7.577947	0.246503	-0.06841	-2.15331	2.168453
7.582672	0.775231	-0.34246	-4.05372	4.141369
7.587398	0.410291	-0.47496	-2.05069	2.144584
7.592124	0.987997	-0.52937	-0.16389	1.1328
7.59685	0.865602	-0.66225	-0.29766	1.1298
7.601575	0.395236	-0.50867	1.350328	1.49611
7.606301	0.220058	-0.12322	3.052395	3.062797
7.611027	0.046389	0.357621	2.293193	2.321374
7.615752	-0.21267	0.493345	1.091675	1.216706
7.620478	-0.01717	0.374573	-0.26122	0.456985

7.625204	0.068696	0.063698	-0.27886	0.294174
7.62993	0.176289	-0.18569	0.130121	0.287209
7.634655	0.034049	-0.40498	0.70945	0.817611
7.639381	0.118496	-0.42123	0.574693	0.722321
7.644107	-0.00143	-0.35855	-0.07609	0.366536
7.648832	0.045146	-0.27312	-0.61014	0.670001
7.653558	-0.02221	-0.21364	-1.0479	1.069686
7.658284	0.00392	-0.20262	-0.90555	0.92795
7.66301	-0.12238	-0.1925	-0.25793	0.344329
7.667735	-0.19161	-0.12276	0.320751	0.393274
7.672461	-0.18883	-0.12309	0.697932	0.733429
7.677187	-0.18858	-0.30451	0.731674	0.814639
7.681912	-0.21426	-0.36519	0.668566	0.791359
7.686638	-0.2259	-0.33322	0.454962	0.607502
7.691364	-0.11009	-0.2271	0.180696	0.310399
7.69609	-0.01725	-0.10496	-0.01554	0.107494
7.700815	0.009769	-0.02506	-0.14579	0.148245
7.705541	0.045286	0.037635	-0.1934	0.202165
7.710267	0.027253	0.013396	-0.15014	0.153175
7.714992	0.02972	-0.01309	-0.01253	0.034807
7.719718	0.046569	-0.11378	0.099813	0.158357
7.724444	0.028933	-0.15619	0.188103	0.246199
7.72917	0.029696	-0.12255	0.255947	0.285322
7.733895	0.007904	-0.07373	0.243637	0.254671
7.738621	-0.02725	-0.04062	0.165625	0.172696
7.743347	-0.03185	-0.0074	0.096087	0.101498
7.748072	-0.03211	-0.01014	0.081604	0.088277
7.752798	-0.02669	0.012174	0.089848	0.094517
7.757524	-0.02135	0.005866	0.074185	0.077419
7.76225	-0.01493	0.00208	0.011945	0.019231
7.766975	0.037003	0.033148	-0.01078	0.050835
7.771701	0.040075	0.022538	0.020295	0.050257
7.776427	0.032628	0.006163	0.025046	0.041592
7.781152	0.053826	-0.00758	0.040554	0.067818
7.785878	0.047462	-0.00813	0.058432	0.075716
7.790604	0.011078	-0.01597	0.091819	0.093853
7.79533	-0.04231	-0.01076	0.080956	0.091976
7.800055	-0.0159	-0.01054	0.090419	0.09241
7.804781	-0.00883	-0.03072	0.059242	0.067316
7.809507	-0.01361	0.006493	0.052002	0.054144
7.814232	-0.01582	0.048553	0.055527	0.075438
7.818958	-0.01665	0.03451	0.070996	0.080677
7.823684	-0.01029	0.051622	0.075694	0.092197
7.82841	-0.00998	0.086566	0.106674	0.137741
7.833135	-0.03254	0.104637	0.154341	0.189286
7.837861	-0.04084	0.117682	0.163708	0.205712
7.842587	-0.0227	0.112591	0.156326	0.193984
7.847312	0.011351	0.093082	0.140585	0.168989
7.852038	0.018346	0.074918	0.078256	0.109878
7.856764	0.036379	0.051207	-0.0043	0.062961
7.86149	0.016264	0.073368	-0.04731	0.088802
7.866215	0.004566	0.071799	-0.02813	0.077247

7.870941	0.014359	0.029406	0.117688	0.122153
7.875667	0.015439	0.004625	0.182062	0.182774
7.880392	0.02824	0.01679	0.122084	0.126427
7.885118	0.015845	0.026606	0.080108	0.085885
7.889844	0.005757	0.043817	0.013098	0.046093
7.89457	0.008753	0.055143	0.009506	0.056637
7.899295	0.011872	0.02355	0.058497	0.064168
7.904021	-0.0016	0.018229	0.10145	0.103087
7.908747	-0.00433	0.02364	0.073847	0.077659
7.913472	-0.00221	0.007437	0.074955	0.075356
7.918198	-0.02177	-0.0255	0.103544	0.108837
7.922924	-0.07369	-0.02255	0.077134	0.109031
7.92765	0.009474	0.025808	0.097359	0.101166
7.932375	-0.04019	0.020263	0.063786	0.078065
7.937101	-0.03246	0.037364	0.070881	0.086451
7.941827	-0.24717	0.310122	0.085137	0.405606
7.946552	0.027839	0.147856	0.080271	0.170528
7.951278	0.052715	-0.12637	-0.01181	0.137429
7.956004	0.087983	-0.13646	0.208072	0.263927
7.96073	0.051962	-0.05723	0.127745	0.14931
7.965455	0.009053	0.000305	0.070216	0.070798
7.970181	-0.03423	0.043526	0.066539	0.086566
7.974907	-0.06488	0.125085	0.048537	0.149034
7.979632	-0.05639	0.093012	0.103454	0.150111
7.984358	-0.02048	0.025104	0.111696	0.1163
7.989084	-0.02393	0.043201	0.115147	0.12529
7.99381	-0.03584	0.024136	0.075574	0.087055
7.998535	-0.05733	0.06484	0.081457	0.118855
8.003261	-0.02871	0.041095	0.088532	0.101739
8.007987	-0.00476	-0.03755	0.059752	0.070729
8.012712	0.025523	-0.04215	0.07282	0.087923
8.017438	0.02641	-0.06354	0.082279	0.10726
8.022164	-0.00492	-0.05748	0.054683	0.079489
8.02689	-0.02079	-0.02626	0.058193	0.067146
8.031615	-0.03099	0.04207	0.0629	0.081771
8.036341	-0.00791	0.010015	0.046096	0.04783
8.041067	-0.00169	-0.01015	0.084277	0.084903
8.045792	0.024968	-0.04682	0.094249	0.10816
8.050518	0.049113	-0.03465	0.089895	0.108137
8.055244	0.035193	-0.00756	0.111667	0.117325
8.05997	-0.23767	1.009915	0.678785	1.239824
8.064695	0.168582	0.792842	4.018403	4.099339
8.069421	0.217497	-0.43329	-0.15259	0.508257
8.074147	0.297096	-0.85488	-0.53	1.048798
8.078872	-0.01246	-0.33947	-1.72392	1.757072
8.083598	-0.27305	0.297647	-2.45456	2.487571
8.088324	-0.08742	0.297408	-1.52279	1.554019
8.09305	0.088482	0.05147	-0.31997	0.335942
8.097775	0.053102	-0.06602	0.884625	0.888674
8.102501	0.016243	0.121418	1.753978	1.75825
8.107227	0.15935	-0.05654	1.523303	1.532658
8.111952	0.061784	-0.13375	0.520994	0.541425

8.116678	0.02668	-0.04929	-0.38274	0.386826
8.121404	-0.02199	0.079885	-0.86126	0.86524
8.12613	-0.05338	0.128439	-0.85168	0.862959
8.130855	-0.01568	0.116859	-0.44113	0.456618
8.135581	0.015741	0.072615	0.094108	0.119904
8.140307	0.037776	0.092183	0.554843	0.563716
8.145032	0.059557	0.062441	0.764919	0.769771
8.149758	0.122102	-0.0411	0.415612	0.435123
8.154484	0.051113	-0.08148	0.034824	0.102296
8.15921	0.00454	-0.0219	-0.32378	0.324553
8.163935	0.006218	-0.00559	-0.43972	0.439795
8.168661	-0.06203	-0.04916	-0.29128	0.30184
8.173387	-0.00668	-0.04965	-0.02543	0.056181
8.178112	0.020813	-0.03298	0.244125	0.247221
8.182838	0.04217	-0.03045	0.391579	0.395018
8.187564	-0.02689	-0.06878	0.30169	0.310597
8.19229	-0.01959	-0.05696	0.114077	0.129003
8.197015	-0.07051	-0.02349	-0.04705	0.087958
8.201741	-0.0425	-0.02061	-0.13089	0.139147
8.206467	-0.01462	0.020391	-0.08826	0.091757
8.211192	-0.02837	0.019451	0.029941	0.045604
8.215918	-0.07774	0.018186	0.173249	0.190759
8.220644	-0.19118	0.1244	0.233492	0.326408
8.22537	-0.07613	0.098996	0.16984	0.210811
8.230095	0.032627	-0.07713	0.183826	0.202003
8.234821	0.043753	-0.18059	0.074303	0.200116
8.239547	-0.0305	-0.10502	-0.05566	0.122708
8.244272	-0.09144	-0.01764	-0.13588	0.164732
8.248998	-0.09422	0.013632	-0.08491	0.12757
8.253724	-0.06733	0.02445	0.020206	0.074432
8.25845	-0.03327	-0.02437	0.101903	0.109932
8.263175	-0.0041	-0.03149	0.128334	0.132205
8.267901	-0.01452	-0.04564	0.073869	0.088039
8.272627	-0.02142	-0.0358	0.022235	0.047273
8.277352	-0.01516	-0.05077	-0.00049	0.052985
8.282078	-0.00285	-0.03111	0.00545	0.031711
8.286804	0.001137	-0.01513	0.022018	0.02674
8.29153	0.012013	-0.01824	0.025399	0.033499
8.296255	0.018094	-0.00957	0.035869	0.041299
8.300981	-0.00446	-0.00565	0.07117	0.071533
8.305707	0.020574	0.006442	0.093122	0.095584
8.310432	0.007531	0.014779	0.087601	0.089157
8.315158	0.019739	0.033613	0.091613	0.099561
8.319884	0.01159	0.022573	0.06593	0.070645
8.32461	0.017817	-0.00027	0.076054	0.078113
8.329335	0.029838	-0.02772	0.059991	0.072509
8.334061	0.00745	-0.01822	0.045246	0.049342
8.338787	-0.01828	0.017206	0.053164	0.058794
8.343512	-0.0213	0.016826	0.039662	0.048061
8.348238	-0.0125	0.041463	0.027461	0.051278
8.352964	-0.02865	0.034977	0.034345	0.056781
8.35769	-0.03281	0.027443	0.026935	0.05055

8.362415	-0.0168	-0.00148	0.068228	0.07028
8.367141	-0.01641	0.000681	0.047484	0.050243
8.371867	-0.02913	-0.00064	0.006746	0.029904
8.376592	-0.01201	0.023085	0.020926	0.033393
8.381318	0.005004	0.013249	0.049219	0.051216
8.386044	-0.00776	0.001149	0.065416	0.065885
8.39077	0.005648	-0.01077	0.03758	0.039497
8.395495	0.021269	-0.02731	0.024214	0.042246
8.400221	0.009513	-0.01405	0.025196	0.030377
8.404947	0.036938	-0.00915	0.04397	0.05815
8.409672	0.009585	-0.00075	0.038858	0.04003
8.414398	0.019241	0.000414	0.063448	0.066302
8.419124	0.024028	0.011075	0.054611	0.060683
8.42385	0.026362	0.007353	0.036358	0.045508
8.428575	0.010851	0.007264	0.043172	0.045104
8.433301	0.016868	0.003602	0.029759	0.034397
8.438027	0.014572	-0.01078	0.053237	0.056237
8.442752	-0.00072	-0.00152	0.053971	0.053997
8.447478	-0.00402	-0.0103	0.076051	0.07685
8.452204	-0.02044	0.014142	0.07659	0.080522
8.45693	-0.01532	-0.01146	0.085428	0.087545
8.461655	-0.0101	0.015178	0.043173	0.046865
8.466381	-0.02273	0.027332	0.062962	0.072304
8.471107	-0.00437	0.025176	0.046995	0.053493
8.475832	-0.02189	0.040918	-0.00087	0.046413
8.480558	-0.01675	0.040031	-0.008	0.044123
8.485284	-0.00563	0.032215	-0.02929	0.043904
8.49001	-0.00048	0.032811	-0.0077	0.033706
8.494735	-0.01077	0.028698	0.011335	0.032681
8.499461	-0.0186	0.011667	0.021912	0.031017
8.504187	0.005673	0.01968	0.034774	0.040357
8.508912	-0.0119	-0.01156	0.029732	0.034045
8.513638	-0.01151	-0.00214	-0.00255	0.011981
8.518364	0.000756	0.016755	-0.00135	0.016826
8.52309	0.018879	0.003593	-0.00015	0.019218
8.527815	0.016764	0.00362	0.016456	0.023768
8.532541	0.00738	0.007206	0.036488	0.037917
8.537267	0.030125	0.017853	0.021946	0.041326
8.541992	0.027764	3.47E-05	0.021764	0.035277
8.546718	0.02058	0.020415	0.009722	0.030575
8.551444	0.024147	0.02396	0.031	0.046023
8.55617	0.021725	-0.00348	0.052096	0.056552
8.560895	0.028743	-0.00238	0.081321	0.086284
8.565621	0.007225	-0.00016	0.072334	0.072694
8.570347	0.003713	0.002051	0.047999	0.048186
8.575072	0.010992	0.020864	0.015561	0.028254
8.579798	-0.00435	0.005155	0.002377	0.00715
8.584524	-0.01596	0.014575	0.041508	0.046798
8.58925	-0.00501	0.013072	0.032851	0.03571
8.593975	-0.01304	0.022231	0.037318	0.045354
8.598701	-0.01742	0.040847	0.053612	0.069615
8.603427	-0.01587	0.008333	0.024686	0.030508

8.608152	-0.01439	0.00462	0.019732	0.024855
8.612878	-0.01058	0.006871	0.002954	0.012954
8.617604	-0.00805	0.009201	-0.00656	0.013877
8.62233	-0.00079	0.017458	0.01722	0.024535
8.627055	0.021714	0.003174	0.032505	0.039219
8.631781	0.015551	0.006763	0.012067	0.020813
8.636507	0.023664	0.005632	0.017901	0.030202
8.641232	0.002104	-0.0169	0.03199	0.036241
8.645958	0.030497	-9.4E-05	0.004437	0.030818
8.650684	0.012285	0.005965	-0.00034	0.013661
8.65541	0.039267	0.009727	0.0056	0.040839
8.660135	0.01978	-0.00911	0.001999	0.02187
8.664861	0.00276	-0.00044	0.000804	0.002908
8.669587	0.006164	-0.00257	0.025719	0.026571
8.674312	0.003703	-0.00126	0.051606	0.051754
8.679038	0.004837	-0.01656	0.04762	0.05065
8.683764	-9.6E-05	0.0062	0.04248	0.042931
8.68849	0.005787	0.020358	0.043313	0.048207
8.693215	0.011777	0.0093	0.044133	0.046615
8.697941	0.005795	0.013702	0.05681	0.058726
8.702667	-0.00596	0.005045	0.045654	0.046317
8.707392	-0.00938	0.005797	0.041705	0.043137
8.712118	0.005015	0.011358	0.008128	0.01484
8.716844	-0.01512	0.002622	0.019917	0.025144
8.72157	0.002949	-0.00248	0.035168	0.035378
8.726295	-0.0136	0.017344	0.021814	0.031008
8.731021	-0.0039	0.01798	0.038234	0.04243
8.735747	-0.01566	0.018624	0.021296	0.032334
8.740472	-0.01782	0.00638	-0.02397	0.030545
8.745198	-0.00096	0.032316	-0.02615	0.041581
8.749924	0.01459	0.0261	-0.00932	0.031321
8.75465	0.009757	0.028382	-0.01517	0.033629
8.759375	0.016813	0.009218	0.01343	0.02341
8.764101	0.003587	0.003209	0.033486	0.03383
8.768827	0.033194	0.029227	0.058123	0.073037
8.773552	0.01045	0.015876	0.01967	0.027353
8.778278	-0.00507	0.003921	0.00171	0.006633
8.783004	0.012789	0.009849	-0.01847	0.024531
8.78773	0.003307	-0.0032	-0.01476	0.015459
8.792455	0.016477	0.001698	0.007909	0.018355
8.797181	-0.00133	0.012445	0.000726	0.012537
8.801907	-0.0024	-0.00184	0.024449	0.024635
8.806632	0.002488	0.024306	0.042043	0.048627
8.811358	-0.00219	0.001617	0.035762	0.035865
8.816084	0.019292	0.008806	0.017668	0.027602
8.82081	-0.00568	0.006416	-0.00502	0.009931
8.825535	-0.00191	0.01471	-0.00498	0.015647
8.830261	0.001897	0.022977	0.019979	0.030507
8.834987	0.00443	0.018096	0.03405	0.038814
8.839712	0.000968	0.027409	0.027833	0.039075
8.844438	-0.00249	0.030684	0.043023	0.052903
8.849164	-0.00957	0.000726	0.029613	0.031129

8.85389	-0.01533	0.006526	0.01394	0.021724
8.858615	-0.00433	0.008663	0.018563	0.020938
8.863341	0.006544	0.013239	0.016033	0.021798
8.868067	-0.01241	0.013115	0.006408	0.019162
8.872792	-0.0063	0.018995	-0.02331	0.03072
8.877518	0.002066	0.036788	-0.00531	0.037227
8.882244	-0.00023	0.012823	-0.00052	0.012836
8.88697	0.016432	0.006869	0.019655	0.026524
8.891695	-0.00497	-0.00019	0.018307	0.01897
8.896421	-0.01079	-0.0025	0.002731	0.01141
8.901147	0.006012	0.001197	-0.00678	0.009141
8.905872	0.00734	0.017924	0.028872	0.034767
8.910598	0.026341	0.019074	0.033379	0.046603
8.915324	0.014336	0.001189	0.018865	0.023724
8.92005	0.00123	0.00721	0.006845	0.010017
8.924775	0.007314	0.015554	0.022213	0.028086
8.929501	0.00147	0.023814	0.022028	0.032473
8.934227	0.007539	0.026087	0.007608	0.0282
8.938952	-0.01144	0.010502	0.018224	0.023944
8.943678	0.00653	0.01639	0.027564	0.032727
8.948404	-0.00651	0.024629	0.01903	0.031798
8.95313	0.004358	-0.0005	0.027176	0.027528
8.957855	-0.0168	0.010164	0.031694	0.037284
8.962581	-0.01171	0.004064	0.03736	0.039362
8.967307	0.000363	0.001574	0.038234	0.038268
8.972032	-0.00436	-0.00337	0.023673	0.024306
8.976758	0.00872	0.013132	0.022286	0.027298
8.981484	0.015775	0.011809	-0.00519	0.020377
8.98621	0.007361	0.004592	-0.03481	0.03587
8.990935	0.009626	0.018862	0.002266	0.021297
8.995661	-0.01066	0.004468	0.015298	0.019172
9.000387	-0.00712	-0.00869	0.019917	0.022868
9.005112	0.026121	-0.00987	0.041104	0.049693
9.009838	0.021112	-0.00048	-0.00195	0.021208
9.014564	0.019802	0.002986	0.001621	0.020092
9.01929	0.040988	0.005306	0.003979	0.041521
9.024015	0.019216	0.004006	0.00869	0.021467
9.028741	0.018953	0.013437	0.006246	0.024058
9.033467	0.012759	0.019215	-0.00211	0.023162
9.038192	0.02087	0.00835	0.000279	0.02248
9.042918	-0.00068	0.013083	-0.00447	0.013842
9.047644	0.017063	0.018837	0.033535	0.042078
9.05237	0.003824	-0.00152	0.039187	0.039403
9.057095	-0.00696	-0.00276	0.015132	0.016883
9.061821	-0.00465	0.00314	0.013819	0.014913
9.066547	-0.00461	0.020925	-0.01477	0.026025
9.071272	-0.00104	0.006599	-0.00634	0.009212
9.075998	0.001433	0.006587	0.018626	0.019808
9.080724	0.000258	-0.00172	0.042201	0.042237
9.08545	-0.0152	-0.00519	0.003885	0.016525
9.090175	-0.00674	0.011591	-0.00208	0.013569
9.094901	-0.00065	0.018824	-0.02816	0.033877

9.099627	-0.01115	0.023638	-0.01961	0.032679
9.104352	-0.01793	0.007056	0.028011	0.033999
9.109078	-0.00807	0.01187	0.049135	0.051189
9.113804	-0.00915	0.021264	0.054658	0.059358
9.11853	-0.0091	-0.00514	0.048267	0.049387
9.123255	0.004006	-0.01234	0.051421	0.053033
9.127981	0.010933	0.016223	-0.0107	0.022299
9.132707	0.013084	0.026851	-0.04146	0.051097
9.137432	0.015245	0.022247	-0.04704	0.054219
9.142158	0.035268	0.011889	-0.05494	0.066359
9.146884	0.032764	0.020656	-0.0165	0.042101
9.15161	0.003969	0.005524	0.002626	0.007291
9.156335	0.002676	-0.0071	0.037023	0.037791
9.161061	0.013172	-0.01971	0.049773	0.05513
9.165787	-0.01923	-0.01084	-0.00165	0.022136
9.170512	-0.00158	0.012392	-0.03247	0.034788
9.175238	-0.00527	0.002468	-0.04879	0.049135
9.179964	0.071741	0.06546	-0.10412	0.142381
9.18469	-0.06953	-0.05807	-0.10915	0.141843
9.189415	-0.16168	-0.01236	-0.07142	0.177185
9.194141	-0.29226	0.026217	0.208033	0.359696
9.198867	-0.22869	0.025312	-0.22786	0.32382
9.203592	-0.33442	0.308081	-0.49516	0.672263
9.208318	-0.1969	0.280026	-0.35919	0.496188
9.213044	-0.22781	0.110145	0.050909	0.258114
9.21777	-0.43607	0.163858	0.569102	0.73545
9.222495	-0.15611	0.126816	0.419764	0.46546
9.227221	0.289543	0.220397	0.463876	0.589568
9.231947	0.907604	0.433555	0.546771	1.144846
9.236673	1.059416	0.234773	0.542379	1.213118
9.241398	1.314975	0.85781	0.144195	1.576638
9.246124	0.481192	0.939002	-0.33361	1.106603
9.25085	-0.06188	0.200857	0.106215	0.235488
9.255575	0.434107	0.036182	1.041971	1.129363
9.260301	0.681167	0.088455	1.179945	1.365314
9.265027	0.804492	0.180827	0.923146	1.237782
9.269753	0.978132	0.127619	0.821845	1.283923
9.274478	1.345747	0.061044	0.465416	1.425262
9.279204	1.716474	0.073898	-0.08825	1.720329
9.28393	2.000277	-0.06607	-0.23492	2.015108
9.288655	1.980988	-0.33246	0.471576	2.063304
9.293381	1.415097	-0.55551	0.559086	1.619773
9.298107	0.266298	-0.63359	1.41717	1.575031
9.302833	-0.15511	-0.76304	3.13518	3.230424
9.307558	1.052223	-0.70184	3.366562	3.596316
9.312284	2.455802	-0.53913	3.225975	4.090054
9.31701	2.513099	-0.34304	4.07268	4.797923
9.321735	1.79981	-0.1043	4.602169	4.942687
9.326461	1.182803	-0.19062	5.351544	5.484012
9.331187	1.043053	-0.20965	6.598772	6.683989
9.335913	1.562507	-0.61183	7.995313	8.169504
9.340638	1.64711	-0.77631	8.968549	9.15153

9.345364	1.911318	-0.61914	9.89406	10.09598
9.35009	2.188339	-0.60424	11.56865	11.7893
9.354815	2.016897	-0.4786	12.67214	12.84056
9.359541	1.880965	-0.43154	13.69377	13.82909
9.364267	1.604183	-0.3314	14.97755	15.06685
9.368993	1.400593	0.064357	15.93634	15.9979
9.373718	1.323379	0.382965	17.1117	17.16707
9.378444	1.012797	0.707757	18.04208	18.08434
9.38317	0.889071	0.81755	18.67525	18.71426
9.387895	0.61001	0.820955	18.58408	18.6122
9.392621	1.135561	0.28374	18.52723	18.56416
9.397347	1.26067	-0.19492	18.12745	18.17228
9.402073	1.026529	-0.50536	17.18725	17.22529
9.406798	0.812629	-0.79361	15.69578	15.73683
9.411524	1.105706	-1.16448	13.69576	13.78958
9.41625	0.753268	-1.74677	12.35172	12.49735
9.420975	0.571861	-2.3775	10.12416	10.41528
9.425701	0.240904	-2.98576	8.578119	9.086083
9.430427	-0.12004	-3.51672	7.238432	8.048391
9.435153	-0.56863	-3.94606	5.32724	6.653888
9.439878	-1.01609	-4.30961	3.308903	5.527567
9.444604	-1.22427	-4.37589	1.667329	4.840165
9.44933	-1.40991	-4.32798	-0.20475	4.556442
9.454055	-1.54176	-4.32433	-2.2662	5.11981
9.458781	-1.602	-4.26815	-3.87593	5.983838
9.463507	-2.00536	-4.48643	-6.44223	8.102583
9.468233	-2.24896	-4.54313	-9.25574	10.55304
9.472958	-2.26102	-4.57981	-10.783	11.93146
9.477684	-1.44512	-4.38626	-9.90979	10.93305
9.48241	-1.34349	-4.59949	-8.39134	9.66307
9.487135	-1.72114	-4.83353	-9.53897	10.83131
9.491861	-1.88932	-4.77547	-11.5264	12.61872
9.496587	-1.58113	-4.49728	-13.3574	14.18254
9.501313	-1.62273	-4.25161	-13.7054	14.44121
9.506038	-2.15063	-4.2593	-17.1145	17.76718
9.510764	-1.87061	-3.17117	-15.4914	15.92293
9.51549	-1.75483	-2.9756	-14.3312	14.74167
9.520215	-1.38392	-2.3512	-17.0612	17.278
9.524941	-0.97483	-1.64965	-19.4301	19.5244
9.529667	-0.42875	-1.66072	-18.8592	18.93699
9.534393	0.319451	-1.79539	-16.4212	16.52217
9.539118	0.56865	-1.90459	-15.6358	15.76161
9.543844	0.173327	-2.0158	-15.6392	15.76952
9.54857	-0.41774	-2.20773	-14.6327	14.80421
9.553295	-0.61908	-2.40888	-13.1789	13.41151
9.558021	-0.85329	-2.46624	-12.5257	12.79462
9.562747	-1.11553	-2.43897	-12.6482	12.92947
9.567473	-1.34488	-2.51657	-12.4371	12.76022
9.572198	-1.39503	-2.50995	-11.7613	12.10679
9.576924	-1.19539	-2.49366	-11.5011	11.8289
9.58165	-0.85247	-2.19321	-11.7397	11.97321
9.586375	-0.54984	-1.56185	-11.7907	11.9064

9.591101	-0.3385	-1.21236	-11.267	11.33708
9.595827	-0.28852	-1.23667	-10.6519	10.7273
9.600553	-0.4327	-1.50688	-10.4529	10.56984
9.605278	-0.74758	-1.81547	-10.3059	10.49125
9.610004	-1.10323	-2.1724	-10.0116	10.30385
9.61473	-1.44429	-2.50962	-9.63664	10.06225
9.619455	-1.72772	-2.73261	-9.41111	9.950942
9.624181	-1.94041	-2.83869	-9.09919	9.727211
9.628907	-2.25179	-3.0568	-6.96863	7.93577
9.633633	-3.15783	-3.38788	-0.95826	4.729468
9.638358	-1.2858	-3.27907	0.705107	3.592045
9.643084	-2.15424	-3.14674	3.759673	5.355174
9.64781	-2.07558	-2.86915	1.968078	4.051346
9.652535	-1.68178	-2.01094	-1.57466	3.058075
9.657261	-1.05455	-1.12529	-3.90744	4.200763
9.661987	-0.4815	-0.79819	-5.28031	5.361961
9.666713	-0.45689	-0.86939	-4.46153	4.568356
9.671438	-0.78192	-1.19199	-2.74773	3.095522
9.676164	-1.11754	-1.67037	-1.68993	2.625811
9.68089	-1.29641	-1.93398	-0.98954	2.529848
9.685615	-1.31804	-1.9317	-0.8496	2.488077
9.690341	-1.28555	-1.65758	-1.53291	2.598081
9.695067	-1.26566	-1.32299	-2.50015	3.09886
9.699793	-1.2759	-1.11055	-3.17054	3.59355
9.704518	-1.27664	-1.03358	-3.28865	3.676043
9.709244	-1.21201	-0.99865	-3.03768	3.419613
9.71397	-1.27914	-1.03556	-2.6245	3.097839
9.718695	-1.36029	-1.08301	-2.23669	2.833033
9.723421	-1.32853	-1.11287	-1.83827	2.526403
9.728147	-1.35382	-1.10924	-1.7185	2.452847
9.732873	-1.29623	-1.05577	-1.9393	2.560421
9.737598	-1.12766	-0.97821	-2.1467	2.614737
9.742324	-0.93652	-0.79027	-2.33119	2.633641
9.74705	-0.85443	-0.63693	-2.45209	2.673667
9.751775	-0.90437	-0.46366	-2.49503	2.694076
9.756501	-0.90589	-0.37033	-2.48985	2.675283
9.761227	-0.94044	-0.32946	-2.49156	2.683437
9.765953	-0.98484	-0.36237	-2.51691	2.726913
9.770678	-0.93828	-0.41947	-2.53011	2.730894
9.775404	-0.8824	-0.48956	-2.5551	2.747149
9.78013	-0.85707	-0.52592	-2.43171	2.631417
9.784855	-0.81446	-0.56752	-1.94612	2.184677
9.789581	-0.66096	-0.6066	-1.29584	1.576084
9.794307	-0.48514	-0.71438	-0.65665	1.084847
9.799033	-0.24488	-0.73085	0.16026	0.78727
9.803758	-0.03864	-0.63706	0.785446	1.012061
9.808484	0.077563	-0.47629	1.331466	1.416215
9.81321	0.201632	-0.38365	1.914248	1.962698
9.817935	0.305093	-0.2524	2.418904	2.451099
9.822661	0.315451	-0.04753	2.680568	2.699484
9.827387	0.244691	0.175	2.853588	2.869401
9.832113	0.237807	0.372019	3.075472	3.107005

9.836838	0.209132	0.510877	3.066614	3.115903
9.841564	0.103259	0.551894	3.069903	3.120826
9.84629	0.092045	0.461393	3.023211	3.059602
9.851015	0.102844	0.311117	2.817905	2.836893
9.855741	0.105129	0.141762	2.455475	2.461809
9.860467	-0.13773	-0.81639	2.186963	2.338433
9.865193	0.973116	0.317759	2.430566	2.637343
9.869918	0.398392	0.368845	1.938182	2.012787
9.874644	0.412775	0.226129	2.124063	2.175583
9.87937	0.333429	0.234253	2.232235	2.269124
9.884095	1.058522	-0.23985	2.31541	2.55717
9.888821	1.095671	-0.32831	2.900504	3.117885
9.893547	1.138104	-0.32531	3.305665	3.5112
9.898273	1.183452	-0.10584	3.428349	3.628406
9.902998	1.075217	0.095113	3.290421	3.462949
9.907724	1.104387	0.085434	3.315195	3.495352
9.91245	0.969713	-0.03088	3.454679	3.588329
9.917175	0.814554	-0.08431	3.561782	3.654709
9.921901	0.684951	-0.03083	3.578035	3.643137
9.926627	0.579722	0.140283	3.569251	3.618744
9.931353	0.241709	0.538441	3.604646	3.652645
9.936078	-0.15906	0.780285	3.244246	3.340551
9.940804	-0.05151	0.822556	2.850599	2.96735
9.94553	0.148877	0.558004	2.253727	2.326546
9.950255	0.246602	-0.1667	2.485814	2.503572
9.954981	23.03499	-2.03498	52.01954	56.92789
9.959707	0.181379	-3.10973	13.07141	13.43745
9.964433	-8.15738	4.641277	-20.8221	22.83954
9.969158	-2.75074	1.662888	12.67456	13.07578
9.973884	1.66914	-0.93798	47.18911	47.22794
9.97861	2.278473	-0.58673	13.70752	13.90798
9.983335	-3.016	1.453274	-17.8873	18.19794
9.988061	0.700289	4.299643	-11.0068	11.83753
9.992787	0.401154	2.293966	7.000083	7.377287
9.997513	-0.44774	0.141126	-1.2828	1.366006
10.00224	-0.17964	-0.76874	-15.0692	15.08982
10.00696	-1.49733	-1.33367	-9.95061	10.15063
10.01169	-1.28631	-2.06469	-3.86646	4.56805
10.01642	-1.09848	-2.30948	-7.91306	8.316064
10.02114	-0.73473	-1.8057	-13.0119	13.15714
10.02587	-0.27587	-1.10552	-12.4442	12.49629
10.03059	0.356573	-0.75569	-10.5464	10.57942
10.03532	0.392451	-0.58718	-10.5903	10.61384
10.04004	0.327362	-0.19256	-12.3478	12.35362
10.04477	0.643923	0.101813	-13.3708	13.38667
10.0495	1.11381	0.234826	-13.9723	14.01863
10.05422	1.390646	0.025171	-13.8926	13.96204
10.05895	0.987159	0.088452	-13.7512	13.78691
10.06367	0.731062	-0.26087	-14.0643	14.08566
10.0684	0.155306	-0.37687	-13.9069	13.91289
10.07312	-0.23464	-0.27339	-12.9321	12.93709
10.07785	0.566123	-0.25666	-6.02342	6.055408

10.08258	4.349802	-1.11802	16.03241	16.6496
10.0873	6.19267	-2.8223	36.47481	37.10426
10.09203	-7.37714	-7.83337	22.19522	24.666
10.09675	-4.47322	3.46904	-22.5516	23.25118
10.10148	2.20212	4.327105	8.944916	10.17766
10.1062	0.916447	2.376243	4.099813	4.826476
10.11093	-1.32796	1.629973	-16.1379	16.27432
10.11566	-1.56489	2.388907	-25.6518	25.81029
10.12038	1.896368	1.651131	-20.1125	20.2691
10.12511	0.629975	-3.54895	8.30839	9.05656
10.12983	3.221526	-2.82463	-0.74835	4.349346
10.13456	0.425495	-3.88615	-0.93954	4.02069
10.13928	1.215255	-2.58014	27.60223	27.74918
10.14401	-0.9141	-1.29522	3.253671	3.619331
10.14874	-0.86791	1.527397	-0.62013	1.863
10.15346	0.172088	1.180842	3.624222	3.815624
10.15819	-0.56299	0.822412	-6.95525	7.026291
10.16291	-0.44465	0.507634	-3.09261	3.165381
10.16764	0.254196	-0.04387	1.318439	1.343437
10.17236	0.200831	-0.35155	2.921679	2.949599
10.17709	-0.02771	-0.46631	1.762465	1.823321
10.18182	-0.04065	-0.60768	-0.13748	0.624363
10.18654	-0.23055	-0.55358	-0.95961	1.131576
10.19127	-0.16624	-0.10851	-1.34448	1.359058
10.19599	-0.04535	0.190256	-0.29972	0.357892
10.20072	0.037408	0.212513	0.722244	0.753789
10.20544	-0.16944	0.063461	0.708158	0.730907
10.21017	-0.13531	-0.03953	0.517268	0.536132
10.2149	-0.2037	-0.11386	0.031488	0.235481
10.21962	-0.10554	-0.20501	0.007539	0.230705
10.22435	-0.05132	-0.27387	0.165224	0.323944
10.22907	0.07737	-0.28455	0.272503	0.401514
10.2338	-0.00288	-0.28688	0.360519	0.460744
10.23852	-0.09466	-0.24577	0.164042	0.310276
10.24325	-0.13839	-0.21746	0.089699	0.272928
10.24798	-0.18235	-0.19036	0.09432	0.279977
10.2527	-0.12194	-0.13502	0.247112	0.306863
10.25743	-0.11736	-0.05981	0.310105	0.336922
10.26215	-0.10458	0.006677	0.267861	0.287629
10.26688	-0.08786	0.003498	0.249555	0.264593
10.2716	-0.0853	-0.02972	0.250382	0.266177
10.27633	-0.09708	0.038592	0.233282	0.255605
10.28106	-0.09948	0.01949	0.237714	0.258425
10.28578	-0.10913	-0.02503	0.225406	0.25168
10.29051	-0.12007	-0.04949	0.259711	0.290371
10.29523	-0.07967	-0.08265	0.211516	0.240661
10.29996	-0.09928	-0.08957	0.145463	0.197581
10.30468	-0.06267	-0.03545	0.148801	0.165306
10.30941	-0.01535	-0.03121	0.103153	0.108861
10.31414	-0.03255	-0.042	-0.00695	0.053591
10.31886	0.001876	0.00984	0.00616	0.01176
10.32359	-0.00909	0.040537	-0.02495	0.048458

10.32831	-0.00331	-0.01934	0.043171	0.04742
10.33304	-0.0345	0.010646	0.150638	0.154905
10.33776	-0.07057	-0.03466	0.146846	0.166568
10.34249	-0.03841	-0.07029	0.086899	0.118186
10.34722	-0.0239	-0.0314	0.040172	0.056314
10.35194	-0.08196	0.025944	-0.13913	0.163546
10.35667	-0.08344	0.043235	-0.14374	0.171733
10.36139	-0.093	0.068244	-0.03721	0.121207
10.36612	-0.08585	0.055109	0.116985	0.155219
10.37084	-0.10493	0.029721	0.247082	0.270079
10.37557	-0.07995	0.036109	0.356693	0.367323
10.3803	-0.0827	0.074292	0.364596	0.381169
10.38502	-0.0653	0.069116	0.304376	0.318882
10.38975	-0.07792	0.121262	0.196436	0.243646
10.39447	-0.0774	0.08278	0.095805	0.148395
10.3992	-0.05982	0.044567	0.098062	0.123211
10.40392	-0.07673	0.029315	0.106291	0.134329
10.40865	-0.07203	0.022432	0.150354	0.168222
10.41338	-0.08669	0.003512	0.162104	0.18386
10.4181	-0.08594	-0.0286	0.192958	0.213158
10.42283	-0.06862	-0.06455	0.197483	0.218804
10.42755	-0.06437	-0.06825	0.206779	0.227066
10.43228	-0.03359	-0.05869	0.085814	0.109255
10.437	-0.05635	-0.05363	0.019967	0.080314
10.44173	-0.0466	-0.01971	0.013949	0.052489
10.44646	-0.04276	0.006019	0.054543	0.069564
10.45118	-0.04379	0.018599	0.110622	0.12042
10.45591	-0.04987	0.012959	0.195311	0.201994
10.46063	-0.0418	-0.00019	0.295422	0.298364
10.46536	-0.04224	0.013798	0.31654	0.319644
10.47008	-0.05843	-0.0083	0.263544	0.27007
10.47481	-0.07592	-0.0279	0.166409	0.185026
10.47954	-0.06697	0.000466	0.069395	0.096441
10.48426	-0.05786	0.011247	-0.00479	0.059137
10.48899	-0.06047	0.00323	-0.01794	0.063161
10.49371	-0.07244	-0.00572	0.038239	0.082109
10.49844	-0.05812	-0.01455	0.096735	0.113787
10.50316	-0.09887	-0.01155	0.173082	0.199667
10.50789	-0.09918	0.007984	0.236191	0.256295
10.51262	-0.10083	-0.00495	0.235888	0.256581
10.51734	-0.06546	0.022614	0.208099	0.21932
10.52207	-0.0755	0.05142	0.163618	0.187392
10.52679	-0.06506	0.040785	0.135921	0.156111
10.53152	-0.06039	0.056521	0.176366	0.1948
10.53624	-0.04367	0.040003	0.151036	0.162233
10.54097	-0.03908	0.045014	0.169953	0.180104
10.5457	-0.0525	0.042573	0.223496	0.233495
10.55042	-0.0604	0.02196	0.250687	0.258794
10.55515	-0.05181	0.006001	0.209734	0.216121
10.55987	-0.02056	-0.01822	0.150911	0.153391
10.5646	-0.01668	-0.01479	0.089774	0.092501
10.56932	-0.01018	-0.00998	0.053804	0.055661

10.57405	0.016947	0.01667	0.035806	0.042978
10.57878	-0.1818	-0.0737	0.010662	0.196464
10.5835	-0.02625	0.013071	0.122964	0.126412
10.58823	-0.05516	-0.01381	0.092935	0.10895
10.59295	-0.02735	0.010712	0.153747	0.156528
10.59768	0.208795	0.056359	0.31008	0.378049
10.6024	-0.24202	0.037818	0.445848	0.508709
10.60713	-0.45448	0.222279	1.722485	1.795248
10.61186	-0.88424	0.030951	1.187247	1.480673
10.61658	-0.01447	-0.10473	0.195084	0.22189
10.62131	0.583965	-0.30572	-0.42777	0.78579
10.62603	0.198634	-0.19389	-0.94348	0.983464
10.63076	-0.04463	0.14084	-0.94514	0.95662
10.63548	-0.08527	0.081359	-0.70353	0.71333
10.64021	-0.11351	0.063818	-0.57896	0.593428
10.64494	-0.03139	-0.00455	0.367909	0.369274
10.64966	0.075536	-0.02724	0.967513	0.970839
10.65439	-0.08195	-0.10792	0.964128	0.973604
10.65911	-0.0112	0.07325	0.912121	0.915126
10.66384	-0.18789	-0.10252	0.329056	0.392543
10.66856	-0.05927	0.084086	-0.2254	0.247763
10.67329	-0.03641	0.06859	-0.39437	0.401946
10.67802	0.00845	0.075217	-0.34957	0.357672
10.68274	0.117256	0.076072	-0.06429	0.15385
10.68747	-0.12854	-0.10958	0.127246	0.211476
10.69219	0.064493	0.037298	0.311255	0.320047
10.69692	-0.06965	-0.03408	0.092723	0.120874
10.70164	-0.01252	0.026791	0.126345	0.129759
10.70637	-0.03294	-0.00551	0.162056	0.165462
10.7111	-0.02033	0.012266	0.131036	0.13317
10.71582	-0.08639	-0.00322	0.152482	0.175286
10.72055	-0.0463	0.018512	0.026638	0.056533
10.72527	-0.02765	0.013182	-0.09104	0.09605
10.73	0.011544	0.012958	-0.02858	0.033434
10.73472	-0.02192	0.015192	0.028616	0.039119
10.73945	-0.01979	0.009142	0.119744	0.121712
10.74418	-0.04876	-0.00537	0.207741	0.213455
10.7489	-0.05983	0.003659	0.229746	0.237436
10.75363	-0.05769	0.019483	0.227832	0.23583
10.75835	-0.07107	0.001897	0.173732	0.187718
10.76308	-0.06664	-0.00246	0.126018	0.142576
10.7678	-0.07523	0.008804	0.075142	0.106693
10.77253	-0.06949	-0.00603	0.053167	0.087708
10.77726	-0.07317	-0.00055	0.103747	0.126956
10.78198	-0.0874	-0.01672	0.15746	0.180863
10.78671	-0.0849	-0.0246	0.173942	0.195114
10.79143	-0.07421	-0.01356	0.177234	0.19262
10.79616	-0.07686	0.003391	0.125926	0.147567
10.80088	-0.06769	0.010755	0.075048	0.101635
10.80561	-0.05244	0.003932	0.089847	0.104105
10.81034	-0.04427	0.010245	0.053504	0.070197
10.81506	-0.0657	-0.01293	0.0234	0.070934

10.81979	-0.04793	0.008124	0.029143	0.056678
10.82451	-0.04583	0.002931	0.079926	0.092182
10.82924	-0.0426	-0.00484	0.14808	0.154161
10.83396	-0.03833	-0.01507	0.157527	0.162821
10.83869	-0.00917	0.000908	0.137236	0.137545
10.84342	-0.03138	0.007349	0.101691	0.106677
10.84814	-0.0486	0.006728	0.058142	0.076078
10.85287	-0.02999	0.006266	0.061226	0.068462
10.85759	-0.05882	-0.0012	0.038184	0.070136
10.86232	-0.06016	-0.00964	0.042626	0.07436
10.86704	-0.0329	0.0153	0.052964	0.064199
10.87177	-0.0344	0.004353	0.096436	0.102481
10.8765	-0.02882	0.012383	0.115814	0.119986
10.88122	-0.03517	-0.00119	0.155197	0.159137
10.88595	-0.03567	0.014883	0.170523	0.174848
10.89067	-0.0314	0.007068	0.16199	0.165156
10.8954	-0.05444	0.020534	0.123866	0.136851
10.90012	-0.02747	0.009015	0.10267	0.106663
10.90485	-0.03989	0.044966	0.084023	0.103312
10.90958	-0.04634	0.035589	0.066718	0.088684
10.9143	-0.03265	0.050048	0.092273	0.109932
10.91903	-0.02621	0.039569	0.07609	0.089679
10.92375	-0.02213	0.024446	0.086144	0.092239
10.92848	-0.01333	-0.01068	0.088996	0.090621
10.9332	-0.01645	-0.0408	0.075212	0.087131
10.93793	-0.01841	-0.01964	0.076969	0.081541
10.94266	-0.01903	-0.02121	0.083456	0.088186
10.94738	-0.03631	-0.00617	0.098194	0.104872
10.95211	-0.02861	-0.02089	0.068913	0.077485
10.95683	-0.02574	-0.02954	0.084959	0.093558
10.96156	-0.00978	-0.02039	0.079515	0.082668
10.96628	-0.01057	-0.00548	0.093097	0.093855
10.97101	-0.02687	0.002188	0.078092	0.082615
10.97574	-0.03236	0.006301	0.07152	0.078754
10.98046	0.002529	0.019829	0.09229	0.09443
10.98519	-0.00922	0.042764	0.083227	0.094024
10.98991	-0.02435	0.0299	0.102712	0.109713
10.99464	-0.02516	0.011044	0.114913	0.118153
10.99936	-0.03314	0.023193	0.090235	0.098887
11.00409	-0.05655	0.033914	0.110844	0.128972
11.00882	-0.03584	0.013643	0.095685	0.103085
11.01354	-0.05332	-0.01242	0.096078	0.110582
11.01827	-0.03033	-0.00276	0.086974	0.092152
11.02299	-0.0325	-0.00869	0.088623	0.094794
11.02772	-0.02508	-0.01231	0.119915	0.123126
11.03244	-0.02609	-0.02299	0.078575	0.085927
11.03717	-0.01178	0.000774	0.068427	0.069438
11.0419	-0.02852	-0.02309	0.067857	0.077143
11.04662	-0.01662	-0.02784	0.061356	0.069395
11.05135	-0.00704	-0.00413	0.098806	0.099143
11.05607	-0.01273	-0.02451	0.078992	0.083682
11.0608	-0.01351	-0.02679	0.045108	0.054176

11.06552	-0.03568	-0.01239	0.006763	0.038372
11.07025	-0.03393	-0.02647	0.01145	0.044526
11.07498	-0.01321	-0.00954	0.042199	0.045237
11.0797	-0.02828	-0.03189	0.053713	0.068571
11.08443	-0.01834	-0.01142	0.056823	0.060792
11.08915	-0.00609	-0.00298	0.069398	0.069728
11.09388	0.006084	0.017311	0.087801	0.089698
11.0986	-0.01033	0.003098	0.031308	0.033114
11.10333	-0.01945	0.002305	0.004951	0.020201
11.10806	-0.00829	0.017068	0.009665	0.021296
11.11278	-0.01027	0.018769	0.011969	0.024514
11.11751	-0.00381	0.024014	0.048659	0.054396
11.12223	0.000178	0.019766	0.062502	0.065553
11.12696	-0.01482	0.042772	0.06555	0.079661
11.13168	-0.03207	0.021575	0.099418	0.106667
11.13641	-0.03497	0.043226	0.097409	0.112159
11.14114	-0.00466	0.019569	0.090672	0.092876
11.14586	-0.03747	0.029273	0.078057	0.091401
11.15059	-0.01307	0.040194	0.044194	0.061151
11.15531	-0.02916	0.042859	0.021294	0.05604
11.16004	-0.0118	0.021897	0.008077	0.026153
11.16476	-0.00155	0.0034	0.055476	0.055602
11.16949	0.013325	-0.00217	0.109592	0.110421
11.17422	0.029418	-0.02952	0.190535	0.195039
11.17894	-0.02232	0.00357	0.188931	0.190278
11.18367	-0.0119	0.000856	0.103103	0.103791
11.18839	-0.0112	0.04942	-0.02234	0.05538
11.19312	-0.03314	0.034868	-0.06131	0.077931
11.19784	-0.03945	0.032412	0.024624	0.056687
11.20257	-0.02681	0.028751	0.054078	0.066855
11.2073	-0.01082	0.01909	0.060745	0.064586
11.21202	-0.00792	-0.0058	0.044814	0.045878
11.21675	0.010437	0.008764	0.019528	0.023814
11.22147	-0.00104	0.007925	-0.01266	0.014974
11.2262	-0.00755	-0.02013	0.019483	0.029011
11.23092	0.018039	-0.03246	0.064411	0.074352
11.23565	0.003058	-0.04236	0.05439	0.069004
11.24038	-0.01421	-0.00709	0.050384	0.052829
11.2451	0.006552	-0.02313	0.053531	0.058681
11.24983	-0.04298	-0.01051	0.059026	0.073769
11.25455	-0.0352	-0.0206	0.049052	0.063796
11.25928	-0.03456	-0.01404	0.051023	0.063202
11.264	-0.0245	-0.0147	0.050606	0.058116
11.26873	-0.02165	-0.01414	0.039514	0.047226
11.27346	-0.00455	-0.00537	0.043936	0.044496
11.27818	-0.01619	-0.02396	0.061373	0.067845
11.28291	-0.02416	-0.0069	0.054934	0.060407
11.28763	-0.01421	-0.00307	0.066341	0.067915
11.29236	-0.01981	-0.00883	0.037316	0.04316
11.29708	-0.01941	-0.00982	0.066667	0.070126
11.30181	0.00945	-0.01438	0.044757	0.047952
11.30654	0.003582	-0.0178	0.049129	0.052375

11.31126	-0.02362	-0.03311	0.076005	0.086205
11.31599	0.002823	-0.02342	0.051641	0.056772
11.32071	-0.00539	-0.01732	0.013242	0.022458
11.32544	-0.00174	-0.02431	0.020249	0.031685
11.33016	-0.01706	-0.02895	0.036688	0.049748
11.33489	-0.00024	-0.02282	0.057735	0.062081
11.33962	-0.0121	-0.02393	0.029963	0.040206
11.34434	-0.02371	-0.00363	0.038016	0.044951
11.34907	-0.0245	0.005925	0.008038	0.026453
11.35379	-0.03362	-0.00475	0.000852	0.033964
11.35852	-0.02	0.007341	0.026949	0.034353
11.36324	-0.02074	0.009907	0.021981	0.031805
11.36797	-0.02033	0.013762	0.025365	0.035303
11.3727	-0.02825	0.031992	-0.0045	0.042914
11.37742	-0.03605	0.031227	-0.02224	0.052626
11.38215	-0.01879	0.051963	-0.00424	0.05542
11.38687	-0.03372	0.032342	-0.00775	0.047364
11.3916	-0.02364	0.040243	0.008953	0.047525
11.39632	-0.01947	0.044365	0.039744	0.062664
11.40105	-0.04985	0.09351	0.056043	0.119876
11.40578	-0.01824	0.075932	0.031868	0.084343
11.4105	-0.01884	0.078865	0.019764	0.083459
11.41523	-0.01708	0.089186	-0.05274	0.105011
11.41995	-0.01871	0.103134	-0.01786	0.106329
11.42468	-0.02275	0.113534	0.038093	0.121895
11.4294	-0.06144	0.119297	-0.00845	0.134453
11.43413	-0.09272	0.136905	-0.00952	0.165623
11.43886	-0.12365	0.166106	0.121117	0.239893
11.44358	-0.21633	0.173696	0.102357	0.295716
11.44831	-0.31105	0.198115	-0.01708	0.369177
11.45303	-0.35612	0.169183	-0.02162	0.394855
11.45776	-0.36782	0.046893	-0.03559	0.3725
11.46248	-0.43537	0.048137	0.006333	0.438065
11.46721	-0.44145	0.118973	0.019469	0.457616
11.47194	-0.42687	0.163169	-0.05644	0.46046
11.47666	-0.41697	0.164426	0.339345	0.562185
11.48139	-0.16632	-0.16959	-0.02263	0.238611
11.48611	0.913849	-1.02647	-0.41588	1.435868
11.49084	0.523452	-0.83042	0.858849	1.304308
11.49556	-0.28376	-0.36795	-0.07886	0.471301
11.50029	-0.7199	-0.59333	-0.20995	0.956232
11.50502	-0.88011	-0.61596	0.103059	1.079182
11.50974	-0.57051	-0.58729	0.256321	0.857964
11.51447	-0.59308	-0.89358	0.485158	1.177116
11.51919	-0.34069	-0.80413	-0.08154	0.877122
11.52392	-0.14548	-1.12081	0.41647	1.2045
11.52864	-0.71578	-1.41213	1.075358	1.913852
11.53337	-0.49675	-1.57877	1.476663	2.218066
11.5381	0.675494	-1.94366	3.066385	3.692805
11.54282	2.547927	-2.44253	5.710535	6.713278
11.54755	5.998067	-2.37211	10.70661	12.49941
11.55227	7.807022	-2.11707	14.38783	16.50579

11.557	6.516704	-1.03326	18.12902	19.29239
11.56172	5.57808	0.489476	21.7533	22.46243
11.56645	5.22261	1.622069	23.64975	24.2738
11.57118	5.316592	2.829894	23.63878	24.39398
11.5759	6.059953	3.047101	24.13058	25.06577
11.58063	7.024692	2.637272	24.87747	25.98442
11.58535	6.530249	2.079532	24.31429	25.2617
11.59008	4.968255	1.706394	22.48309	23.08863
11.5948	3.480638	1.31339	20.65265	20.98503
11.59953	2.71733	0.803265	18.39959	18.6165
11.60426	2.634936	0.325396	15.59146	15.81589
11.60898	2.600285	-0.2867	13.61421	13.86327
11.61371	1.822619	-0.92726	11.67198	11.84976
11.61843	1.172483	-1.80275	9.220969	9.468417
11.62316	0.95863	-2.40816	8.208606	8.608103
11.62788	0.914939	-2.78494	6.654297	7.271361
11.63261	0.442582	-3.19594	4.726104	5.722411
11.63734	0.106019	-3.39596	2.924681	4.483025
11.64206	-0.23633	-3.5469	1.405257	3.822451
11.64679	-0.55389	-3.74952	-0.2277	3.797042
11.65151	-0.84557	-3.64117	-1.09713	3.895741
11.65624	-0.94023	-3.33286	-1.48839	3.769259
11.66096	-1.08816	-3.09386	-1.76723	3.725477
11.66569	-1.47496	-3.07874	-2.43702	4.194424
11.67042	-1.95184	-3.17489	-3.35012	5.011284
11.67514	-2.20957	-3.30092	-5.09615	6.461344
11.67987	-2.3576	-3.53995	-7.43477	8.565363
11.68459	-2.53193	-4.03057	-10.0552	11.12485
11.68932	-1.8695	-3.86063	-10.1008	10.97383
11.69404	-0.94324	-3.98582	-7.92739	8.923004
11.69877	-1.18955	-4.19642	-7.81755	8.952046
11.7035	-1.46282	-4.03478	-9.75798	10.66008
11.70822	-1.21844	-3.84423	-11.7924	12.46292
11.71295	-0.64937	-3.68947	-13.1392	13.66284
11.71767	-0.07797	-3.45493	-14.1681	14.58342
11.7224	-0.65368	-3.4689	-13.3378	13.79699
11.72712	-1.58438	-3.53366	-14.7246	15.22529
11.73185	-1.53873	-2.75673	-15.1976	15.52209
11.73658	-1.69688	-2.48322	-16.6221	16.89201
11.7413	-1.69131	-2.2429	-17.5941	17.81697
11.74603	-1.26981	-2.11983	-16.8771	17.05706
11.75075	-0.68919	-2.10228	-15.8518	16.00546
11.75548	-0.38314	-2.0994	-15.1948	15.34395
11.7602	-0.35269	-2.22153	-14.6836	14.85487
11.76493	-0.60222	-2.45035	-13.9696	14.1957
11.76966	-0.96939	-2.5099	-13.1389	13.41156
11.77438	-1.17433	-2.46771	-12.8711	13.15808
11.77911	-1.31112	-2.28243	-12.7282	12.9975
11.78383	-1.32429	-2.06896	-12.5234	12.76203
11.78856	-1.26765	-1.90398	-12.3416	12.5518
11.79328	-1.16498	-1.74924	-12.0359	12.218
11.79801	-1.05267	-1.63945	-11.764	11.92424

11.80274	-0.96021	-1.69032	-11.5318	11.69454
11.80746	-0.93114	-1.86429	-11.3382	11.52812
11.81219	-0.67935	-1.90943	-11.4103	11.58889
11.81691	-0.60146	-1.72512	-11.4014	11.54689
11.82164	-0.96128	-1.6223	-10.8422	11.005
11.82636	-1.38637	-1.7432	-10.4872	10.72115
11.83109	-1.64992	-1.987	-10.5344	10.84637
11.83582	-1.97948	-2.20229	-10.426	10.8384
11.84054	-2.02602	-2.35584	-10.1492	10.61415
11.84527	-1.89221	-2.52088	-9.77308	10.26881
11.84999	-1.84977	-2.63912	-9.69074	10.2126
11.85472	-1.83893	-2.66917	-9.65946	10.18878
11.85944	-2.14005	-2.81036	-8.33905	9.05636
11.86417	-2.72549	-2.98271	-6.70662	7.829662
11.8689	-2.68229	-2.88524	-4.28931	5.823873
11.87362	-1.85025	-2.94921	-1.63565	3.846632
11.87835	-1.85094	-3.10662	1.686115	3.989998
11.88307	-2.13619	-3.10206	4.297452	5.714387
11.8878	-1.58575	-2.39223	1.268992	3.138106
11.89252	-1.36104	-1.462	-2.75231	3.400749
11.89725	-0.88544	-0.894	-4.037	4.228544
11.90198	-0.63919	-0.81671	-4.06258	4.192867
11.9067	-0.98716	-1.05755	-3.47364	3.762851
11.91143	-1.34669	-1.48958	-2.05715	2.87477
11.91615	-1.54238	-1.92415	-0.4276	2.502826
11.92088	-1.60456	-2.09355	0.439922	2.674152
11.9256	-1.60677	-1.94935	0.371739	2.553405
11.93033	-1.53168	-1.62028	-0.16297	2.2356
11.93506	-1.31366	-1.31963	-0.76254	2.01211
11.93978	-1.15144	-1.09479	-1.4964	2.182564
11.94451	-0.95758	-0.92854	-2.06331	2.456902
11.94923	-0.84033	-0.87285	-2.03915	2.371953
11.95396	-0.77595	-0.87999	-1.75305	2.109426
11.95868	-0.73487	-0.88411	-1.4083	1.817971
11.96341	-0.6813	-0.80937	-1.07064	1.505166
11.96814	-0.51239	-0.71189	-0.86197	1.229771
11.97286	-0.34175	-0.59006	-0.79058	1.044021
11.97759	-0.20361	-0.50584	-0.6054	0.814767
11.98231	-0.15634	-0.44534	-0.22768	0.524033
11.98704	-0.30885	-0.43921	0.271907	0.601853
11.99176	-0.48673	-0.42148	0.778566	1.010304
11.99649	-0.56309	-0.38566	1.355622	1.517735
12.00122	-0.59541	-0.35577	1.712583	1.847708
12.00594	-0.62585	-0.38864	1.78512	1.931163
12.01067	-0.65194	-0.41776	1.787393	1.9479
12.01539	-0.51246	-0.46475	1.70027	1.835627
12.02012	-0.3345	-0.50331	1.497495	1.614838
12.02484	-0.16401	-0.44644	1.330912	1.413343
12.02957	-0.1509	-0.31825	1.279362	1.326958
12.0343	-0.04209	-0.1692	1.519575	1.529545
12.03902	0.140483	-0.0346	1.911421	1.916889
12.04375	0.369179	0.002405	2.373487	2.402028

12.04847	0.591864	0.188882	2.890153	2.956174
12.0532	0.760162	0.426498	3.356187	3.467526
12.05792	0.786075	0.604232	3.776406	3.904389
12.06265	0.747853	0.636326	4.093494	4.209619
12.06738	0.768882	0.444776	4.180887	4.274204
12.0721	0.837885	0.157733	4.044806	4.133689
12.07683	0.850885	-0.05553	3.758365	3.85388
12.08155	0.870551	-0.18027	3.252439	3.371753
12.08628	0.780396	-0.30499	2.729273	2.85499
12.091	0.72054	-0.40539	2.456623	2.59201
12.09573	0.684869	-0.42835	2.355416	2.490084
12.10046	0.645588	-0.37628	2.539056	2.646729
12.10518	0.643738	-0.2297	2.922428	3.001291
12.10991	0.576534	-0.04877	3.575801	3.622309
12.11463	0.610119	0.187616	4.36854	4.414928
12.11936	0.584505	0.418491	5.11275	5.163041
12.12408	0.618741	0.586316	5.596856	5.661396
12.12881	0.649778	0.763536	5.905884	5.990381
12.13354	0.779609	0.959535	5.953988	6.080993
12.13826	0.75473	1.237515	5.046324	5.250376
12.14299	0.241401	1.787163	3.861913	4.262229
12.14771	-0.03747	1.989648	6.134124	6.448843
12.15244	14.60819	3.187311	43.70853	46.19517
12.15716	7.907964	-3.57438	35.57907	36.62215
12.16189	-6.80802	3.297406	-17.7238	19.27057
12.16662	-4.66686	1.837688	9.187235	10.46719
12.17134	2.771749	1.324334	38.59436	38.71642
12.17607	2.827917	0.527965	11.25074	11.61271
12.18079	-1.78579	1.436681	-16.6348	16.79198
12.18552	0.168007	2.784913	-5.86352	6.493446
12.19024	1.547788	0.226424	8.302686	8.448758
12.19497	2.086948	-0.58228	-1.56633	2.673533
12.1997	1.659138	-0.43725	-14.061	14.16534
12.20442	0.995045	-0.16362	-9.86946	9.92084
12.20915	-0.37055	-0.34342	-3.01059	3.052686
12.21387	-0.71122	-0.3922	-6.12085	6.174503
12.2186	-0.59081	-0.35786	-11.1294	11.15079
12.22332	-0.49419	0.098662	-11.0127	11.02421
12.22805	-0.22248	0.574659	-8.83979	8.861244
12.23278	-0.10596	0.399794	-10.0442	10.05267
12.2375	-0.33297	0.26035	-11.3392	11.34709
12.24223	-0.49096	-0.04849	-11.5789	11.58943
12.24695	-0.34569	-0.18358	-11.3501	11.35689
12.25168	0.028828	-0.15858	-11.3836	11.3847
12.2564	0.384367	-0.07148	-11.8114	11.81791
12.26113	0.598213	0.025674	-12.2256	12.24029
12.26586	0.6809	0.033092	-12.1264	12.14559
12.27058	0.33322	-0.47973	-9.89177	9.909002
12.27531	-0.07298	-0.99642	-6.44885	6.525783
12.28003	0.178454	-1.13562	-7.06394	7.156869
12.28476	0.322321	-2.695	16.10442	16.33154
12.28948	7.923283	-2.02008	37.35367	38.23814

12.29421	-5.22603	-3.03878	57.71153	58.02729
12.29894	-5.04371	0.04874	4.033041	6.458077
12.30366	0.968518	5.046499	-0.18378	5.141883
12.30839	2.323141	2.660766	5.242737	6.321626
12.31311	0.190032	1.358722	-10.0454	10.13867
12.31784	-1.28723	1.888933	-21.7053	21.82532
12.32256	0.226447	2.140916	-19.586	19.70395
12.32729	2.386794	1.068594	-8.64141	9.028431
12.33202	2.474985	-4.39695	30.54343	30.95739
12.33674	2.54744	-4.18548	8.986387	10.23537
12.34147	-3.55781	-1.24006	-3.36312	5.050381
12.34619	0.396829	1.382045	9.848909	9.953318
12.35092	-0.40708	0.183216	-1.58046	1.642301
12.35564	-0.46869	0.931705	-11.0137	11.06299
12.36037	0.949408	0.092254	-7.98296	8.039751
12.3651	1.335614	-2.77018	11.46194	11.86734
12.36982	-0.29691	-2.13019	2.707891	3.458113
12.37455	-0.76483	1.145801	0.072195	1.379507
12.37927	-0.0448	1.303704	-0.58857	1.431108
12.384	-0.08445	1.065654	-4.00877	4.148857
12.38872	-0.07082	-0.05457	1.205997	1.209306
12.39345	0.191301	-0.93897	1.782776	2.023993
12.39818	-1.11987	-1.0001	0.958421	1.781262
12.4029	-0.2491	0.090851	0.423073	0.499296
12.40763	0.383797	0.381926	-1.57185	1.662494
12.41235	0.889314	-0.02459	-0.18398	0.908478
12.41708	0.881613	-0.46673	0.142263	1.007631
12.4218	0.209093	-0.55436	0.464571	0.752901
12.42653	-0.1663	-0.33053	0.363559	0.518727
12.43126	-0.51175	-0.12255	-0.15791	0.549397
12.43598	-0.47515	-0.04292	-0.09442	0.486336
12.44071	-0.2932	-0.21028	-0.00473	0.360842
12.44543	-0.20005	-0.46869	0.264089	0.57396
12.45016	-0.20337	-0.52715	0.180088	0.593027
12.45488	-0.17213	-0.4015	0.108145	0.450031
12.45961	0.057501	-0.18418	0.086463	0.211434
12.46434	0.145701	0.003952	0.000267	0.145754
12.46906	0.069602	0.065341	0.044424	0.105297
12.47379	0.047719	0.111666	0.194886	0.229623
12.47851	-0.01167	0.138111	0.125318	0.186857
12.48324	-0.02	0.119271	0.078547	0.144204
12.48796	0.014885	0.040553	0.047362	0.064104
12.49269	0.028496	-0.00714	0.032937	0.044134
12.49742	-0.03081	-0.01767	-0.03524	0.050032
12.50214	-0.01368	-0.01122	-0.04955	0.052614
12.50687	-0.02736	0.013267	-0.0017	0.030456
12.51159	-0.00338	0.032919	0.058025	0.066798
12.51632	0.043643	0.085005	0.036427	0.102262
12.52104	0.057231	0.088259	0.019642	0.107009
12.52577	0.076678	0.090693	0.04232	0.126078
12.5305	0.044547	0.037102	0.059003	0.082718
12.53522	0.04466	-0.00575	0.067299	0.080974

12.53995	0.056751	-0.04872	0.079164	0.10891
12.54467	0.040088	-0.06316	0.058744	0.095115
12.5494	0.063018	-0.04069	0.0491	0.089652
12.55412	0.081039	-0.00249	0.038281	0.089661
12.55885	0.059434	-0.00106	-0.0466	0.075532
12.56358	0.083403	0.032764	0.006044	0.089811
12.5683	0.072928	0.04388	0.09686	0.128941
12.57303	0.05402	0.066637	0.203086	0.22046
12.57775	-0.00377	0.114192	0.184906	0.217358
12.58248	-1.4E-05	0.131634	0.103419	0.167401
12.5872	-0.12371	0.25168	0.146298	0.316307
12.59193	0.246418	0.047553	0.081574	0.263889
12.59666	0.005524	0.186496	0.052774	0.193898
12.60138	0.123757	0.086142	0.184121	0.237985
12.60611	0.05303	0.130483	0.244805	0.282432
12.61083	0.002231	0.098197	0.135735	0.167545
12.61556	-0.08024	0.092186	0.094915	0.154743
12.62028	0.009177	0.028698	0.07446	0.080325
12.62501	0.056054	0.001953	0.141244	0.151973
12.62974	0.027032	-0.03069	0.081278	0.090988
12.63446	0.043752	-0.00885	-0.13155	0.138912
12.63919	0.014173	0.015009	-0.25446	0.255298
12.64391	-0.00804	0.041773	-0.18363	0.188498
12.64864	0.026976	0.067505	-0.07823	0.106796
12.65336	0.028576	0.073933	0.102306	0.129419
12.65809	0.043289	0.095507	0.228841	0.251721
12.66282	0.006253	0.079773	0.149689	0.169734
12.66754	0.032414	0.07234	0.11843	0.142511
12.67227	0.051301	0.048243	0.114696	0.134589
12.67699	0.042451	0.012225	0.0799	0.091299
12.68172	0.043156	0.033594	0.063073	0.083482
12.68644	0.066567	0.040668	0.054632	0.095235
12.69117	-0.00851	0.12082	-0.0219	0.123083
12.6959	0.049133	0.037491	-0.02304	0.065959
12.70062	0.091605	-0.0612	0.082159	0.13743
12.70535	0.029266	0.003923	0.051004	0.058935
12.71007	0.03405	0.01539	0.00675	0.037971
12.7148	-0.05962	-0.02678	-0.05178	0.083389
12.71952	0.01628	0.094445	0.074968	0.121676
12.72425	0.02021	0.039405	0.245756	0.249714
12.72898	0.042015	0.062989	0.244255	0.255721
12.7337	0.081951	0.086528	0.160305	0.199752
12.73843	0.02162	0.128187	0.028666	0.133121
12.74315	0.032006	0.123487	-0.02991	0.131027
12.74788	0.031595	0.12263	0.040646	0.132998
12.7526	0.031046	0.059569	0.074071	0.099994
12.75733	0.037621	0.059522	0.132535	0.150079
12.76206	0.037117	0.025625	0.175382	0.181089
12.76678	0.02803	0.025005	0.145278	0.150055
12.77151	-0.02697	0.011284	0.045916	0.054434
12.77623	0.049363	-0.02288	0.074533	0.092277
12.78096	0.09123	-0.02484	0.150902	0.178077

12.78568	0.0724	-0.0221	0.065859	0.100337
12.79041	0.01432	0.019109	-0.01668	0.02913
12.79514	-0.01768	0.052222	-0.08238	0.09913
12.79986	0.017207	0.010338	-0.08705	0.089333
12.80459	0.025973	0.036757	0.042125	0.061645
12.80931	0.098364	0.035771	0.057618	0.119478
12.81404	0.035784	0.075555	-0.00457	0.083726
12.81876	0.023326	0.067703	-0.05593	0.090861
12.82349	0.01915	0.08868	0.029011	0.095249
12.82822	0.05434	0.067737	0.094722	0.128505
12.83294	-0.04096	0.071737	0.169909	0.188925
12.83767	-0.32283	0.100224	0.070048	0.345213
12.84239	0.200724	0.012182	0.026784	0.20287
12.84712	0.123284	0.018364	0.090652	0.154123
12.85184	0.05954	0.027606	0.180074	0.19166
12.85657	-0.0158	0.030576	0.222478	0.225124
12.8613	-0.02341	0.035797	0.145887	0.152028
12.86602	0.011442	0.055155	0.074684	0.093545
12.87075	0.023351	0.038549	0.119153	0.127392
12.87547	0.027195	0.065787	0.113414	0.133904
12.8802	0.01564	0.04266	0.187204	0.192639
12.88492	0.132226	0.028098	0.002925	0.13521
12.88965	0.139758	0.031242	0.08357	0.165808
12.89438	0.115077	0.028244	0.099472	0.15471
12.8991	0.092036	0.002559	0.144895	0.171673
12.90383	0.037084	0.032864	0.083162	0.096805
12.90855	0.014718	0.005003	-0.03856	0.041575
12.91328	0.097468	-0.06984	-0.00266	0.119934
12.918	0.11689	-0.16537	0.008026	0.202671
12.92273	0.091137	-0.13773	-0.01934	0.166284
12.92746	0.100109	-0.10433	-0.01445	0.145309
12.93218	0.053086	-0.08294	0.034314	0.104282
12.93691	0.016804	0.010755	-0.01698	0.026201
12.94163	0.029358	0.069278	0.049603	0.090121
12.94636	0.061129	-0.02795	0.064619	0.093239
12.95108	0.14287	-0.25946	0.067622	0.303819
12.95581	0.159801	-0.14131	0.032619	0.215801
12.96054	0.134341	0.082186	-0.27852	0.319963
12.96526	0.089309	0.134853	-0.1979	0.255591
12.96999	0.006094	0.202705	-0.10252	0.227236
12.97471	0.027627	0.210509	0.065635	0.222228
12.97944	-0.13999	0.245154	0.226448	0.361904
12.98416	-0.06332	0.23263	0.206758	0.317608
12.98889	-0.12094	0.278729	0.412626	0.512423
12.99362	0.043665	0.064205	0.174212	0.190732
12.99834	0.20581	-0.08168	0.440777	0.493268
13.00307	0.336836	-0.04266	0.104761	0.355322
13.00779	-0.00483	-0.07859	-0.08846	0.118425
13.01252	0.076708	0.023636	-0.04871	0.093889
13.01724	0.084188	0.081573	-0.0069	0.117428
13.02197	0.11356	0.099277	-0.14575	0.209749
13.0267	0.139067	0.052305	-0.24544	0.286909

13.03142	0.09088	-0.03435	-0.16513	0.191589
13.03615	0.057367	-0.09213	0.130443	0.169689
13.04087	0.099615	-0.09225	0.366568	0.390903
13.0456	-0.09626	0.109673	0.351546	0.380628
13.05032	-0.66147	0.670138	0.317644	0.993742
13.05505	-0.30034	0.448775	-0.21186	0.580076
13.05978	-0.03153	0.024787	-0.73569	0.736785
13.0645	0.059242	0.111865	-0.25378	0.283601
13.06923	-0.02997	0.042584	-0.02623	0.058305
13.07395	0.054535	0.014776	0.192293	0.200422
13.07868	0.015554	0.016077	0.306948	0.307762
13.0834	-0.03717	0.000184	0.319794	0.321947
13.08813	0.024147	-0.0232	0.282691	0.284667
13.09286	0.015988	0.016354	0.140303	0.142154
13.09758	0.015085	0.053499	-0.05903	0.08108
13.10231	-0.01109	0.037699	-0.18193	0.186128
13.10703	0.044847	0.091503	-0.17685	0.204105
13.11176	0.020462	0.071985	-0.21568	0.228296
13.11648	0.011215	0.082751	-0.13672	0.160208
13.12121	-0.015	0.062692	-0.02164	0.067995
13.12594	-0.00472	0.042674	0.040287	0.058876
13.13066	0.012428	0.043787	0.166942	0.173036
13.13539	0.008871	0.029105	0.194057	0.196428
13.14011	0.01782	0.033247	0.116537	0.12249
13.14484	-0.00604	0.033895	0.076449	0.083844
13.14956	-0.00893	0.053856	-0.06888	0.087892
13.15429	0.012018	0.025272	-0.04571	0.053596
13.15902	0.01043	0.018409	-0.05595	0.059813
13.16374	0.035265	0.011546	0.038305	0.053331
13.16847	0.048252	0.000888	0.10329	0.114008
13.17319	0.032516	-0.003	0.16891	0.172037
13.17792	0.027324	-0.02033	0.177025	0.180271
13.18264	0.023291	-0.01768	0.188625	0.190878
13.18737	0.039977	0.009578	0.149098	0.154662
13.1921	0.081552	0.003301	0.102772	0.131239
13.19682	0.112442	0.033771	0.069865	0.136619
13.20155	0.089463	0.023914	-0.06006	0.110374
13.20627	0.050914	0.068145	-0.14616	0.169114
13.211	0.046677	0.087316	-0.06545	0.118687
13.21572	0.049651	0.02181	0.202038	0.209189
13.22045	0.037622	0.038251	-0.00611	0.053999
13.22518	0.044646	0.011675	0.199175	0.204451
13.2299	0.026009	0.020634	0.145286	0.149031
13.23463	-0.01236	0.054448	0.042025	0.069882
13.23935	-0.05151	0.024177	0.019129	0.06003
13.24408	-0.01824	0.059526	-0.01188	0.063383
13.2488	0.038724	0.01174	-0.07111	0.081817
13.25353	0.057998	0.043829	0.043365	0.084648
13.25826	0.11425	0.021658	0.200743	0.231991
13.26298	0.216842	-0.02553	0.423203	0.476207
13.26771	0.259685	-0.01496	0.682911	0.730772
13.27243	0.165343	-0.04021	0.554848	0.580354

13.27716	-0.2188	-0.05229	-0.02887	0.226807
13.28188	-0.34453	0.101229	-0.8117	0.887582
13.28661	-0.13348	0.125029	-1.10267	1.117732
13.29134	0.07193	0.128103	-1.01388	1.024473
13.29606	0.189768	0.08115	-0.24365	0.319317
13.30079	0.183513	0.006624	0.482148	0.515934
13.30551	0.13427	-0.07456	1.048789	1.059974
13.31024	0.091329	-0.06932	0.850153	0.857849
13.31496	0.042364	-0.06905	0.525003	0.531217
13.31969	0.014682	-0.04213	0.283228	0.286721
13.32442	0.135165	0.024997	0.121774	0.183639
13.32914	0.123911	0.068821	-0.17594	0.225928
13.33387	0.055123	0.079346	-0.4035	0.414906
13.33859	0.059497	0.101836	-0.54015	0.55288
13.34332	-0.03476	0.034783	-0.46684	0.469418
13.34804	-0.08657	0.046944	-0.11293	0.149839
13.35277	-0.04418	0.028115	0.055307	0.076168
13.3575	0.043869	0.009037	0.149764	0.156318
13.36222	-0.08553	-0.0123	0.047669	0.098682
13.36695	-0.14151	0.004779	-0.07848	0.161891
13.37167	-0.16764	0.02709	-0.12171	0.208921
13.3764	-0.13802	0.047627	-0.28319	0.318617
13.38112	-0.04029	0.04146	-0.27128	0.277374
13.38585	-0.02852	0.037885	-0.08506	0.097386
13.39058	0.01691	0.04009	0.020117	0.047936
13.3953	0.02401	0.006711	0.14696	0.14906
13.40003	0.017987	0.005547	-0.02624	0.032294
13.40475	0.002508	0.006807	0.025057	0.026086
13.40948	0.034506	0.018049	0.122181	0.128237
13.4142	0.127608	0.001793	0.515071	0.530646
13.41893	0.111096	0.013292	0.389752	0.405495
13.42366	0.334033	0.111164	0.244118	0.428402
13.42838	0.165694	-0.01687	-0.24673	0.297684
13.43311	0.115606	0.070103	-0.24348	0.278501
13.43783	0.110069	0.016532	-0.04805	0.121234
13.44256	0.064551	-0.03925	0.10659	0.130647
13.44728	0.007219	-0.02264	0.210101	0.21144
13.45201	0.005631	-0.02896	0.230877	0.232754
13.45674	0.007674	-0.00203	0.062834	0.063333
13.46146	-0.00708	0.009507	-0.07177	0.072739
13.46619	0.044675	0.0342	-0.18744	0.195706
13.47091	0.148668	0.049321	0.211572	0.263244
13.47564	0.160714	0.009486	-0.06189	0.172481
13.48036	0.116497	-0.00632	-0.09579	0.150955
13.48509	-0.10751	0.032897	-0.03092	0.116606
13.48982	-0.22548	-0.00269	-0.071	0.23641
13.49454	-0.22393	0.013254	-0.08107	0.238521
13.49927	-0.13578	-0.01477	0.016905	0.137624
13.50399	-0.09599	0.027197	0.083213	0.129916
13.50872	-0.00735	0.004216	0.01489	0.01713
13.51344	-0.02978	0.00112	0.139325	0.142476
13.51817	-0.27293	-0.04285	0.171361	0.325099

13.5229	-0.31504	-0.15663	-0.08874	0.362844
13.52762	0.226692	0.140413	0.107746	0.287601
13.53235	0.105425	0.030787	0.042769	0.117862
13.53707	0.07914	0.00775	-0.03709	0.087741
13.5418	0.119183	0.008409	0.194565	0.228322
13.54652	0.02922	0.002948	0.06835	0.074392
13.55125	-0.01091	0.034706	-0.10426	0.110425
13.55598	-0.03607	0.032591	-0.30389	0.30775
13.5607	-0.03181	0.050093	-0.34048	0.34561
13.56543	-0.0028	0.033991	-0.09084	0.097028
13.57015	0.006174	-0.01482	0.305009	0.305431
13.57488	0.021708	-0.01904	0.408041	0.409062
13.5796	0.058069	0.025288	0.255126	0.26287
13.58433	-0.001	0.028258	-0.09701	0.101047
13.58906	-0.01743	0.072482	-0.31568	0.324364
13.59378	-0.03899	0.045796	-0.29997	0.305942
13.59851	-0.02857	0.02412	-0.10287	0.109449
13.60323	0.00226	-0.00977	0.119874	0.120293
13.60796	0.048646	-0.01818	0.292089	0.29667
13.61268	0.030901	-0.01051	0.319297	0.320961
13.61741	0.021483	-0.0137	0.12797	0.130482
13.62214	0.014294	0.0178	-0.03091	0.038425
13.62686	-0.00012	0.047145	-0.10659	0.116548
13.63159	0.007997	0.05041	-0.11282	0.123824
13.63631	0.005413	0.014593	-0.05729	0.05937
13.64104	0.038498	-0.01628	0.013186	0.043828
13.64576	0.050525	0.009988	0.068838	0.085972
13.65049	0.089482	0.004169	0.089622	0.126714
13.65522	0.056622	0.021446	0.033125	0.069016
13.65994	0.020296	0.06065	-0.15577	0.168384
13.66467	-0.03393	0.062944	-0.28613	0.294926
13.66939	-0.08325	0.006536	-0.13541	0.159089
13.67412	-0.0379	-0.06236	0.20623	0.21876
13.67884	-0.02239	-0.07649	0.478543	0.485135
13.68357	0.06508	-0.03692	0.529072	0.534337
13.6883	0.066184	-0.00243	0.261212	0.269477
13.69302	0.053223	0.033706	-0.03881	0.07399
13.69775	0.023576	0.082666	-0.3185	0.329894
13.70247	-0.03451	0.073258	-0.54006	0.546101
13.7072	0.03843	0.080361	-0.41095	0.42049
13.71192	-0.00119	0.035033	-0.15359	0.157537
13.71665	-0.00971	-0.03953	0.291432	0.294261
13.72138	0.047705	-0.02179	0.494249	0.497024
13.7261	0.055261	0.001415	0.231468	0.237978
13.73083	0.017515	0.016519	-0.09199	0.095093
13.73555	-0.02151	0.042792	-0.20156	0.207173
13.74028	-0.02035	0.054973	-0.19275	0.201462
13.745	-0.01107	0.039975	-0.0962	0.104765
13.74973	0.005388	0.007165	0.011396	0.0145
13.75446	0.021849	0.009969	0.09199	0.095074
13.75918	0.016734	-0.01134	0.095973	0.098079
13.76391	0.012877	-0.0243	0.091614	0.095652

13.76863	0.005673	-0.00511	0.064748	0.065197
13.77336	0.002217	-0.00749	0.03336	0.034261
13.77808	0.030794	0.022112	0.048504	0.061561
13.78281	0.000688	0.01344	-0.0136	0.019133
13.78754	-0.00092	0.023824	-0.00637	0.024678
13.79226	0.00228	-0.00629	0.034017	0.034668
13.79699	0.018711	0.019586	0.050337	0.057162
13.80171	0.046006	0.002617	0.033302	0.056855
13.80644	0.031701	0.010788	0.000988	0.033501
13.81116	0.010385	0.001333	-0.05478	0.055773
13.81589	0.012904	0.013537	-0.06618	0.068773
13.82062	0.003511	0.012743	-0.06918	0.070429
13.82534	-0.00825	0.004922	-0.03537	0.036648
13.83007	0.030064	0.011304	0.012397	0.034429
13.83479	0.018324	0.017549	0.057386	0.062745
13.83952	0.010338	-0.00242	0.053356	0.054402
13.84424	0.03561	0.005102	0.007834	0.036817
13.84897	-0.01188	-0.00277	-0.05748	0.058756
13.8537	0.012039	0.019074	-0.02258	0.031915
13.85842	-0.00567	0.009873	0.021518	0.024343
13.86315	0.029007	0.019605	0.046259	0.058014
13.86787	-0.03625	-0.02197	0.02452	0.048973
13.8726	0.022374	0.017323	0.053975	0.060943
13.87732	0.00468	-0.00065	0.045219	0.045466
13.88205	-0.02603	-0.03022	-0.03465	0.052829
13.88678	0.023107	0.028367	-0.03435	0.050187
13.8915	-0.01479	0.016561	-0.01389	0.026192
13.89623	-0.00135	0.003667	-0.03868	0.038882
13.90095	0.029753	0.005188	0.000798	0.030212
13.90568	-0.02005	-0.00641	0.038765	0.044111
13.9104	0.012428	-0.00137	0.03014	0.03263
13.91513	0.020891	-0.00116	0.015656	0.026132
13.91986	0.025866	0.009566	0.015526	0.031648
13.92458	0.011774	-0.02129	0.022516	0.03315
13.92931	0.037133	0.03599	0.023518	0.056809
13.93403	0.012354	0.00035	-0.0443	0.045994
13.93876	0.016142	0.029285	-0.05816	0.067088
13.94348	0.041648	0.007088	-0.0102	0.043462
13.94821	0.03234	0.007534	0.033791	0.047375
13.95294	-0.01484	-0.01482	-0.0092	0.022903
13.95766	0.072828	0.025939	0.149866	0.168632
13.96239	0.03844	0.011837	-0.03172	0.051222
13.96711	0.005008	0.02038	-0.04093	0.046001
13.97184	-0.03057	0.001452	-0.02161	0.037466
13.97656	0.017316	0.000535	0.080616	0.082457
13.98129	0.032702	0.04009	-0.03157	0.060609
13.98602	-0.0537	-0.0253	-0.04435	0.074103
13.99074	-0.00669	0.020036	-0.02737	0.034574
13.99547	0.005076	-0.02778	0.148444	0.151107
14.00019	0.027643	0.025528	0.043979	0.057879
14.00492	0.036333	0.003666	0.096994	0.103641
14.00964	-0.03742	-0.00826	-0.08297	0.091389

14.01437	-0.07214	0.015457	-0.09058	0.116825
14.0191	-0.05544	-0.02097	-0.11594	0.130212
14.02382	0.081016	-0.03537	0.315664	0.327809
14.02855	0.107312	0.023806	0.438758	0.452317
14.03327	0.052612	0.045098	-0.03357	0.076998
14.038	0.030995	0.033651	-0.3477	0.350702
14.04272	0.017753	0.017807	-0.17278	0.174598
14.04745	0.011655	0.000572	0.054075	0.05532
14.05218	0.008246	-0.02286	0.137841	0.139967
14.0569	0.043255	-0.0083	0.156837	0.162903
14.06163	0.029426	-0.00089	0.019066	0.035074
14.06635	0.03115	0.020902	-0.05823	0.069269
14.07108	0.015024	0.003556	-0.06251	0.064385
14.0758	0.009569	0.013532	-0.02997	0.034245
14.08053	0.011151	0.005487	0.03789	0.039877
14.08526	0.024429	0.002255	0.037556	0.044858
14.08998	-0.01358	3.9E-05	-0.01142	0.017745
14.09471	0.170903	0.097292	0.134575	0.238294
14.09943	-0.15344	-0.08324	0.062229	0.185321
14.10416	0.038627	0.016962	0.226572	0.230466
14.10888	-0.0342	-0.05748	0.269703	0.277873
14.11361	0.008804	-0.00578	0.142808	0.143196
14.11834	0.019767	0.0102	-0.01624	0.027543
14.12306	0.010808	0.031541	-0.18582	0.188785
14.12779	-0.01215	0.053448	-0.25667	0.262462
14.13251	0.021986	0.052968	-0.2071	0.214897
14.13724	0.030817	0.00978	-0.04642	0.05657
14.14196	0.005182	-0.00021	0.116477	0.116592
14.14669	-0.00969	-0.01408	0.162923	0.163816
14.15142	0.00643	0.000236	0.138975	0.139124
14.15614	0.044997	-0.01057	0.084378	0.096209
14.16087	-0.00466	-0.00103	0.008883	0.010087
14.16559	0.005227	0.014554	-0.05767	0.05971
14.17032	-0.03139	-0.00211	-0.05842	0.066354
14.17504	-0.02159	-0.03469	0.090317	0.099129
14.17977	0.024995	-0.01816	0.327967	0.329419
14.1845	0.041887	-0.01304	0.379731	0.382257
14.18922	0.015869	0.002631	0.202081	0.20272
14.19395	0.018473	-0.01618	-0.01087	0.026855
14.19867	0.057015	-0.03109	0.092355	0.112901
14.2034	0.268484	-0.04507	0.997897	1.034366
14.20812	-0.28796	-0.05155	0.442499	0.530458
14.21285	-0.13738	-0.00283	-0.04656	0.145088
14.21758	0.082174	-0.0425	0.645409	0.652006
14.2223	-0.01208	0.027496	-0.3294	0.330763
14.22703	0.098887	0.058335	-0.59961	0.610503
14.23175	0.081264	0.054393	-0.67415	0.681209
14.23648	-0.04101	0.105234	-1.12178	1.127449
14.2412	0.021768	0.101163	-1.11954	1.124316
14.24593	-0.00339	0.13248	-0.92392	0.933374
14.25066	0.026364	0.099835	-0.76075	0.767729
14.25538	0.017096	0.053924	-0.46606	0.469479

14.26011	0.033031	0.009622	-0.08246	0.089349
14.26483	0.026107	-0.00299	0.199461	0.201185
14.26956	0.045132	-0.01308	0.43275	0.435293
14.27428	0.006977	-0.02549	0.548994	0.54963
14.27901	0.010654	-0.04471	0.48392	0.486098
14.28374	-0.02481	-0.02866	0.310228	0.312536
14.28846	0.003963	-0.0212	0.091712	0.094214
14.29319	-0.00548	0.010214	-0.05498	0.056188
14.29791	0.008835	0.008697	-0.17315	0.173598
14.30264	0.014617	0.029095	-0.20135	0.20397
14.30736	-0.00229	0.03076	-0.21152	0.213754
14.31209	0.005888	0.022028	-0.13854	0.140402
14.31682	0.011584	-0.00083	-0.04481	0.046293
14.32154	0.018377	-0.02737	0.096773	0.102235
14.32627	0.016779	-0.01514	0.209883	0.211096
14.33099	0.019924	-0.01312	0.281703	0.282711
14.33572	0.023018	-0.0056	0.230716	0.231929
14.34044	0.011946	0.000591	0.112524	0.113158
14.34517	0.008141	0.014002	-0.03078	0.034784
14.3499	0.004423	0.037158	-0.09933	0.106144
14.35462	-0.01103	0.054384	-0.08425	0.100884
14.35935	-0.02403	0.056128	-0.04557	0.076186
14.36407	-0.08324	0.127717	0.018892	0.153613
14.3688	-0.09216	0.167665	0.075692	0.205751
14.37352	-0.07367	0.126518	0.064393	0.159938
14.37825	-0.01012	0.060883	0.002171	0.061756
14.38298	0.012674	0.043281	-0.03106	0.054758
14.3877	0.00087	0.029468	-0.00706	0.030315
14.39243	-0.01434	0.013398	-0.01292	0.023495
14.39715	-0.00565	0.030654	0.003807	0.031402
14.40188	-0.02184	0.079772	0.008532	0.083147
14.4066	-0.0367	0.088198	0.002541	0.095563
14.41133	-0.04779	0.073913	0.016766	0.089599
14.41606	-0.04681	0.06537	0.051038	0.095232
14.42078	-0.03639	0.071971	0.126546	0.150059
14.42551	-0.04269	0.037925	0.136167	0.147655
14.43023	-0.0324	0.052792	0.066216	0.090671
14.43496	-0.04952	0.108113	-0.0779	0.142158
14.43968	-0.08068	0.16126	-0.18283	0.256791
14.44441	-0.04164	0.177633	-0.22163	0.287066
14.44914	-0.05983	0.166818	-0.12959	0.219551
14.45386	-0.02342	0.115811	-0.03951	0.124588
14.45859	-0.00874	0.120907	0.016598	0.122353
14.46331	-0.00252	0.165071	0.034274	0.16861
14.46804	0.036897	0.27179	-0.00989	0.274462
14.47276	0.102222	0.413495	-0.0442	0.428229
14.47749	0.08529	0.495117	-0.06397	0.506465
14.48222	0.055364	0.597948	-0.13933	0.616458
14.48694	0.019838	0.720666	-0.15355	0.737111
14.49167	0.033295	0.841442	-0.14511	0.854511
14.49639	0.056074	0.834204	-0.04894	0.837518
14.50112	0.082194	0.809941	0.123533	0.82342

14.50584	0.133025	0.797197	0.248295	0.845499
14.51057	0.146538	0.849393	0.239128	0.894497
14.5153	0.235867	0.922301	0.098339	0.957049
14.52002	0.206979	0.919035	-0.02229	0.942317
14.52475	0.213841	0.951838	-0.15022	0.98706
14.52947	0.135154	0.952866	-0.14894	0.97386
14.5342	0.202958	0.900734	-0.10021	0.928739
14.53892	0.192867	0.884476	-0.00562	0.905278
14.54365	0.273238	0.8547	0.212751	0.92219
14.54838	0.247498	0.899554	0.257265	0.967801
14.5531	0.274411	0.944078	0.072423	0.985814
14.55783	0.33567	0.967015	-0.01122	1.023679
14.56255	0.328914	1.050045	0.076684	1.103023
14.56728	0.43601	0.966071	0.049951	1.061081
14.572	0.494992	0.875608	0.14327	1.015988
14.57673	0.497338	0.692997	-0.02876	0.853474
14.58146	0.350377	0.450261	-0.53868	0.784651
14.58618	0.208965	0.342511	-0.28621	0.492846
14.59091	0.099452	0.199587	0.137375	0.261911
14.59563	0.036327	-0.04092	0.221667	0.22832
14.60036	-0.04509	-0.17208	0.209153	0.274571
14.60508	-0.06146	-0.17822	0.34386	0.392147
14.60981	-0.1416	-0.1061	0.178459	0.251307
14.61454	-0.11335	-0.01575	-0.0959	0.149313
14.61926	-0.0485	-0.00597	0.095922	0.10765
14.62399	0.048315	-0.01189	0.120042	0.129946
14.62871	0.069587	-0.08919	0.094131	0.147168
14.63344	0.092813	-0.04377	0.047078	0.1129
14.63816	0.103949	-0.0939	0.013469	0.140725
14.64289	0.03359	-0.13918	0.088102	0.168115
14.64762	-0.10247	-0.18062	0.031605	0.210053
14.65234	-0.11168	-0.22787	-0.04696	0.25807
14.65707	-0.11961	-0.26798	0.064948	0.300561
14.66179	-0.1976	-0.3802	0.096436	0.439203
14.66652	-0.25133	-0.50571	-0.11437	0.576187
14.67124	-0.29252	-0.54497	0.026574	0.619085
14.67597	-0.33941	-0.62074	0.088041	0.712932
14.6807	-0.24716	-0.75866	-0.0966	0.803733
14.68542	-0.19346	-0.88704	0.02166	0.908151
14.69015	-0.12578	-0.90148	0.032154	0.910784
14.69487	-0.06835	-0.92146	-0.08676	0.928053
14.6996	-0.07216	-0.94587	-0.0896	0.952839
14.70432	-0.03549	-0.95437	-0.00936	0.955078
14.70905	0.01011	-0.87234	-0.17181	0.889157
14.71378	0.044735	-0.78418	-0.12411	0.795201
14.7185	0.01607	-0.81321	0.02879	0.81388
14.72323	0.050237	-0.90718	0.038043	0.90937
14.72795	0.0244	-0.96472	-0.10464	0.97069
14.73268	-0.07467	-0.91633	-0.00174	0.919371
14.7374	-0.15076	-0.94663	-0.01478	0.958678
14.74213	-0.26877	-0.97187	-0.07041	1.010804
14.74686	-0.22564	-1.00034	-0.02592	1.025799

14.75158	-0.25898	-0.99789	0.00158	1.03095
14.75631	-0.25421	-0.99421	-0.01029	1.026242
14.76103	-0.33722	-1.0224	-0.00546	1.076595
14.76576	-0.30323	-1.12856	-0.09083	1.172111
14.77048	-0.24809	-1.22325	-0.02125	1.248338
14.77521	-0.23099	-1.21414	0.066725	1.237721
14.77994	-0.22568	-1.17669	0.057864	1.199538
14.78466	-0.1313	-0.9807	-0.01143	0.989517
14.78939	-0.05422	-0.84216	0.008827	0.843948
14.79411	-0.0346	-0.77368	-0.01142	0.774541
14.79884	-0.02349	-0.78297	0.051546	0.785015
14.80356	0.001731	-0.7115	-0.00465	0.711516
14.80829	-0.00753	-0.63003	-0.00225	0.630079
14.81302	0.041285	-0.42369	0.02978	0.426736
14.81774	0.024424	-0.08024	0.02121	0.086514
14.82247	0.023074	0.058752	-0.04424	0.077078
14.82719	0.009787	0.054113	-0.02728	0.061384
14.83192	0.033491	0.031492	0.054791	0.071523
14.83664	0.024991	0.017238	0.05668	0.064299
14.84137	0.009544	0.013795	0.011095	0.020112
14.8461	0.002407	0.011468	-0.00089	0.011752
14.85082	0.006079	0.016195	0.007388	0.01881
14.85555	0.018071	-0.00885	0.060682	0.063931
14.86027	-0.0329	-0.0087	-0.0063	0.034609
14.865	0.011428	0.017637	-0.0478	0.052215
14.86972	0.031882	0.014021	0.027314	0.044262
14.87445	0.02245	0.010379	0.046036	0.052259
14.87918	0.036779	-0.03597	0.000533	0.051449
14.8839	-0.00388	0.004714	-0.03273	0.03329
14.88863	-0.0737	-0.02139	-0.03605	0.084783
14.89335	0.002839	-0.06638	0.033033	0.074198
14.89808	-0.03527	-0.03613	-0.04202	0.065691
14.9028	0.043291	-0.03911	-0.04644	0.074572
14.90753	0.322731	0.127616	0.000189	0.347047
14.91226	-0.04799	-0.03216	-0.04255	0.071746
14.91698	0.02008	-0.05984	0.001685	0.063138
14.92171	0.053042	-0.05141	-0.04342	0.085686
14.92643	0.071636	0.030814	-0.06798	0.103453
14.93116	0.08898	0.126801	-0.08165	0.175106
14.93588	0.058717	0.219812	-0.06079	0.235499
14.94061	0.000234	0.204165	-0.03654	0.207409
14.94534	0.00166	0.215937	0.00293	0.215963
14.95006	-0.00513	0.226326	0.026644	0.227947
14.95479	-0.02715	0.313705	0.071515	0.322897
14.95951	-0.00843	0.431203	0.004486	0.431308
14.96424	-0.02528	0.45402	0.022255	0.455268
14.96896	0.000695	0.172083	-0.0574	0.181406
14.97369	0.038444	0.132282	-0.07351	0.156143
14.97842	0.086692	0.185342	0.061191	0.213568
14.98314	0.095633	0.293667	0.046464	0.312321
14.98787	0.10535	0.633561	0.071012	0.646174
14.99259	-0.01687	1.22558	0.0123	1.225758

14.99732	-0.12848	1.887002	0.128473	1.89573
15.00204	0.108411	2.676574	0.168923	2.684089
15.00677	0.976424	3.899603	0.241587	4.027241
15.0115	1.710773	5.015617	0.111019	5.300517
15.01622	1.633573	5.262831	0.177777	5.513398
15.02095	1.567085	5.4753	0.141695	5.696907
15.02567	1.315077	5.570607	0.025601	5.723787
15.0304	0.995398	5.390635	-0.0975	5.482633
15.03512	0.190194	4.922399	-0.22761	4.931328
15.03985	0.000637	4.18996	-0.17114	4.193453
15.04458	-0.3899	4.3805	0.037005	4.397974
15.0493	-1.7122	5.162015	1.558089	5.657357
15.05403	-0.27921	5.358175	0.91565	5.443015
15.05875	0.315298	6.050588	0.391134	6.071409
15.06348	0.528297	6.54666	0.257998	6.573007
15.0682	1.197276	6.130425	-0.33025	6.25497
15.07293	0.930622	6.160523	0.642801	6.263489
15.07766	0.764752	5.977962	-0.13712	6.02824
15.08238	0.481993	5.795442	0.100815	5.816324
15.08711	-0.18407	4.431159	-0.21719	4.440295
15.09183	-0.33613	2.802086	0.505961	2.867171
15.09656	0.162646	1.750657	0.09185	1.760593
15.10128	1.066444	3.382239	0.096522	3.547698
15.10601	-0.63029	3.821404	-4.85768	6.212687
15.11074	-1.54787	2.802166	-3.91595	5.057931
15.11546	-0.32801	2.192923	-0.28085	2.235033
15.12019	-4.56618	-0.86692	4.067871	6.176494
15.12491	-7.60844	-3.28023	1.502064	8.420478
15.12964	-9.67951	-5.52519	2.191984	11.35894
15.13436	-10.2612	-8.77609	0.607112	13.51593
15.13909	-10.5452	-12.6048	-1.1192	16.47225
15.14382	-10.2297	-15.119	-3.01175	18.50136
15.14854	-3.53633	-16.0143	-0.70515	16.41523
15.15327	5.51377	-12.6844	-1.74224	13.94031
15.15799	8.249595	-10.8386	2.505812	13.84957
15.16272	8.799166	-8.4344	-0.45007	12.19701
15.16744	9.959564	-3.84558	3.130299	11.12565
15.17217	2.177812	3.311924	1.164288	4.131255
15.1769	-2.78625	4.538381	-3.02406	6.124132
15.18162	0.255392	1.789203	-3.09184	3.581335
15.18635	6.583649	-2.63723	-1.35289	7.220091
15.19107	-0.07082	-4.95266	1.122343	5.078734
15.1958	-2.96089	-6.08284	1.670609	6.968406
15.20052	2.580393	-4.26135	1.373329	5.167548
15.20525	6.661328	-3.24234	1.596198	7.578516
15.20998	5.405621	-3.45219	-1.20792	6.52667
15.2147	2.895488	-3.53875	-0.39501	4.589402
15.21943	1.408904	-1.21756	-1.48298	2.380485
15.22415	-1.43391	0.181825	0.494184	1.527544
15.22888	-0.35067	-0.63434	0.399229	0.827492
15.2336	1.149587	-1.63449	-0.64676	2.100334
15.23833	1.679732	-1.52196	0.758133	2.390112

15.24306	0.632742	-1.61417	0.378418	1.774573
15.24778	0.924562	-0.67617	0.401831	1.213876
15.25251	0.589601	-0.70425	-0.22003	0.944465
15.25723	-0.24605	-0.99509	-0.43248	1.112557
15.26196	-0.2761	-1.07564	-0.70208	1.313832
15.26668	-0.54109	-1.18663	0.264288	1.33068
15.27141	-0.62979	-0.78125	0.603386	1.170925
15.27614	-0.33823	-0.40364	-0.42617	0.677457
15.28086	-0.13763	-0.71871	-0.05523	0.73385
15.28559	0.532173	-0.94337	0.517222	1.200283
15.29031	-0.11036	-0.86954	0.263294	0.91521
15.29504	-0.29991	-0.61836	-0.23291	0.725645
15.29976	-0.25667	-0.44584	-0.03905	0.51592
15.30449	-0.42381	-0.21094	0.264533	0.5423
15.30922	-0.67506	-0.11222	-0.07871	0.688835
15.31394	-1.45267	-0.13898	-0.09412	1.462338
15.31867	-1.47865	-0.1729	0.019539	1.488856
15.32339	-0.59893	-0.17626	-0.18839	0.652133
15.32812	-0.59773	-0.23006	0.200197	0.671033
15.33284	-0.32791	-0.55042	-0.00438	0.640709
15.33757	-0.14434	-0.75686	-0.06412	0.773166
15.3423	0.184494	-0.95577	-0.08435	0.977064
15.34702	0.603048	-0.76607	-0.00538	0.974969
15.35175	0.731557	-1.00548	-0.06154	1.244969
15.35647	0.964469	-1.18701	0.026974	1.52968
15.3612	0.882928	-1.35036	0.061603	1.614568
15.36592	1.117904	-0.99444	0.240751	1.515447
15.37065	0.99971	-1.09663	0.441149	1.548105
15.37538	0.897974	-1.30845	0.274426	1.610498
15.3801	-0.17718	-1.87885	0.204693	1.898253
15.38483	-0.88015	-1.762	-0.13858	1.974468
15.38955	-1.39712	-2.0053	-0.79926	2.57138
15.39428	-0.13501	-1.56878	-0.54498	1.666221
15.399	-0.11737	-1.07388	-0.25874	1.110829
15.40373	-0.24263	-0.43579	0.047424	0.501028
15.40846	0.268701	0.19281	0.163202	0.368797
15.41318	0.289989	0.537693	0.15816	0.631048
15.41791	0.375464	0.71802	-0.18859	0.831921
15.42263	0.437655	0.334326	-0.26123	0.609554
15.42736	0.764304	-0.66114	-0.38275	1.080633
15.43208	0.553131	-1.49581	0.175782	1.604463
15.43681	0.3915	-2.14885	0.21618	2.194897
15.44154	0.171207	-2.49463	0.267261	2.514739
15.44626	-0.0092	-2.50785	-0.03183	2.508073
15.45099	-0.03951	-1.63107	-0.02227	1.631696
15.45571	-0.60822	-1.26142	-0.02106	1.400557
15.46044	-1.2881	-0.8626	0.31357	1.581646
15.46516	-0.98126	-1.01327	0.149479	1.418426
15.46989	-1.27742	-1.39585	0.208997	1.903651
15.47462	-1.45825	-1.36537	0.11307	2.000876
15.47934	-2.05509	-1.52368	0.109281	2.56065
15.48407	-1.97494	-1.68311	-0.24459	2.606358

15.48879	-2.17038	-1.85786	-0.34946	2.878245
15.49352	-2.06753	-1.46544	0.213737	2.543201
15.49824	-1.05731	-0.50573	0.3269	1.216767
15.50297	-0.71682	-0.0725	0.030028	0.721098
15.5077	-0.40633	0.170324	-0.2951	0.53028
15.51242	-0.16622	-0.04641	-0.21706	0.277307
15.51715	-0.39551	-0.05703	-0.4486	0.600772
15.52187	-0.32998	-0.05293	-0.19713	0.38801
15.5266	-0.14366	-0.07773	0.22847	0.280851
15.53132	-0.07659	-0.18702	-0.13032	0.240468
15.53605	-1.69316	-1.32565	-0.29147	2.170049
15.54078	-1.76028	-1.2537	0.168929	2.16769
15.5455	-1.08912	-0.29426	0.130422	1.135689
15.55023	-0.6838	0.18678	0.547228	0.895507
15.55495	-0.51789	0.680096	0.254966	0.89205
15.55968	-1.00049	0.216089	-0.10502	1.028932
15.5644	0.074028	1.620916	0.079091	1.624532
15.56913	-1.04327	0.633901	-0.45757	1.30369
15.57386	0.356073	1.997792	0.153578	2.035079
15.57858	-0.52302	0.962926	-0.26248	1.126796
15.58331	-0.59559	1.50525	0.015017	1.618868
15.58803	-0.94832	1.011158	-0.09258	1.38936
15.59276	-1.40846	0.741762	-0.31833	1.623365
15.59748	-0.88552	0.957112	-0.02518	1.304166
15.60221	-1.40456	0.292128	0.001095	1.434619
15.60694	1.525177	4.212003	2.316623	5.043201
15.61166	3.398418	4.605522	3.108161	6.513121
15.61639	-0.47025	-0.98548	-1.12213	1.565719
15.62111	-2.56108	1.662716	-2.81624	4.15391
15.62584	-0.73239	0.499833	-4.2096	4.301974
15.63056	1.09463	0.752217	1.718891	2.172241
15.63529	-0.07877	1.793667	1.622303	2.419776
15.64002	0.486233	0.321351	1.792284	1.884667
15.64474	-0.24231	-0.38037	-0.31063	0.547619
15.64947	-1.15913	-0.53602	-2.05834	2.422322
15.65419	-2.6591	-2.07569	-2.82749	4.401594
15.65892	-0.88674	0.764005	-1.08048	1.59294
15.66364	0.108158	0.057243	3.351621	3.353854
15.66837	-0.06716	-1.0304	3.149038	3.314011
15.6731	-0.47421	-1.39563	0.377639	1.521602
15.67782	-0.89567	-2.05978	-1.98156	2.995252
15.68255	-0.6848	-2.17552	-2.62543	3.477753
15.68727	-0.16173	-1.61767	-0.92051	1.86825
15.692	0.362191	-1.52474	1.460951	2.14252
15.69672	0.505132	-0.88316	1.657476	1.944831
15.70145	0.918453	-1.02403	0.595512	1.498946
15.70618	0.523972	-0.43927	-0.76265	1.024275
15.7109	0.204805	-0.343	-0.95047	1.03101
15.71563	0.5093	-0.29591	-0.02678	0.589632
15.72035	0.528925	-0.56426	0.528896	0.936953
15.72508	0.291574	-0.44585	0.51866	0.743506
15.7298	0.225258	-0.2781	-0.10694	0.373521

15.73453	0.715216	0.049199	-0.28004	0.769661
15.73926	0.826713	0.361622	-0.11836	0.910074
15.74398	1.01613	0.373515	0.147073	1.09255
15.74871	0.792077	0.448684	0.188727	0.929689
15.75343	0.636558	0.166323	0.123981	0.669508
15.75816	0.240765	-0.32944	-0.05898	0.412286
15.76288	0.011839	-0.44333	-0.10788	0.456417
15.76761	-0.16182	-0.50324	0.041641	0.530254
15.77234	-0.23606	-0.46163	0.009347	0.518573
15.77706	-0.15467	-0.44502	0.024895	0.47179
15.78179	-0.05957	-0.45124	-0.1209	0.470942
15.78651	-0.22282	-0.30443	-0.06218	0.382356
15.79124	-0.05682	-0.13389	0.031123	0.148738
15.79596	-0.11459	0.023267	0.072927	0.137808
15.80069	-0.16412	0.121615	-0.01079	0.204553
15.80542	-0.26862	0.302367	-0.05736	0.408503
15.81014	-0.18075	0.523612	-0.05369	0.556526
15.81487	-0.01389	0.658581	0.009733	0.6588
15.81959	-0.33747	0.73603	0.010936	0.809781
15.82432	0.046722	0.937453	-0.03925	0.939437
15.82904	0.133051	1.241458	0.117349	1.254069
15.83377	0.214246	1.359991	-0.02259	1.376948
15.8385	0.242011	1.067561	-0.05838	1.096204
15.84322	0.061769	1.017935	0.002663	1.019811
15.84795	-0.00616	1.007508	0.074368	1.010267
15.85267	-0.14223	0.987682	-0.03206	0.998384
15.8574	-0.03781	0.890319	-0.09772	0.896463
15.86212	-0.07485	0.993661	0.023102	0.996744
15.86685	0.475791	1.270936	0.057724	1.358304
15.87158	0.151512	1.020247	0.002704	1.03144
15.8763	0.307265	0.893103	-0.09525	0.949273
15.88103	0.497855	0.74794	0.211984	0.923152
15.88575	0.241756	0.905977	0.093427	0.942321
15.89048	0.566852	0.96354	-0.00586	1.117929
15.8952	0.457823	1.18008	0.001329	1.265777
15.89993	0.712298	1.313914	0.031215	1.494895
15.90466	0.913808	1.400895	0.081374	1.674566
15.90938	0.965221	1.398023	-0.01432	1.698919
15.91411	0.947076	1.40001	-0.07166	1.691779
15.91883	1.071481	1.411546	0.018057	1.772247
15.92356	1.054732	1.38237	0.110046	1.742274
15.92828	1.125243	1.344899	0.102742	1.756554
15.93301	1.083577	1.276646	-0.00014	1.674504
15.93774	0.994073	1.329276	-0.0049	1.659874
15.94246	1.006354	1.285093	0.014239	1.632304
15.94719	1.024735	1.255334	0.070401	1.622006
15.95191	1.105303	1.179032	0.061969	1.617298
15.95664	0.945449	1.255721	-0.01576	1.571928
15.96136	0.788171	1.36812	0.054775	1.579863
15.96609	0.933431	1.295027	0.067863	1.597809
15.97082	0.88242	1.185109	0.012826	1.477604
15.97554	0.971134	1.194709	0.019989	1.53975

15.98027	0.825026	1.214855	-0.0111	1.468558
15.98499	0.711423	1.117972	-0.02662	1.325403
15.98972	0.588513	1.173157	-0.02897	1.312815
15.99444	0.596242	1.132744	0.030823	1.280454
15.99917	0.52986	1.074467	0.040356	1.198691
16.0039	0.358311	0.931289	0.002074	0.997843
16.00862	0.136641	0.797585	0.04509	0.81046
16.01335	0.021678	0.585156	0.101194	0.594237
16.01807	0.106249	0.549928	-0.01842	0.560401
16.0228	0.028166	0.370314	-0.10921	0.387108
16.02752	-0.0461	0.238874	-0.09712	0.26195
16.03225	-0.07594	0.179293	-0.00976	0.194957
16.03698	0.058122	0.206858	0.091831	0.233669
16.0417	-0.02634	0.079117	0.022425	0.086348
16.04643	-0.0063	0.081751	0.102473	0.131239
16.05115	0.00316	0.062841	0.097585	0.116111
16.05588	0.018827	0.026015	0.060443	0.068444
16.0606	0.010681	0.05858	0.042467	0.073138
16.06533	0.005013	0.070788	0.019735	0.073658
16.07006	-0.07957	0.042377	-0.00775	0.090487
16.07478	-0.0769	0.034309	-0.02564	0.088025
16.07951	-0.12453	0.002392	0.001903	0.124563
16.08423	-0.14357	0.007425	-0.00167	0.143774
16.08896	-0.10183	-0.02468	-0.03033	0.10908
16.09368	-0.09259	0.007752	-0.04939	0.105224
16.09841	-0.09202	-0.01247	-0.05888	0.109958
16.10314	-0.09296	-0.01717	-0.07315	0.119528
16.10786	-0.1241	-0.03851	-0.10293	0.165769
16.11259	-0.07755	-0.02997	-0.06456	0.105266
16.11731	-0.00359	-0.02496	-0.02505	0.035541
16.12204	0.023583	-0.04032	-0.01785	0.050005
16.12676	0.01857	-0.02461	-0.00348	0.031027
16.13149	0.036494	-0.03649	0.020418	0.055498
16.13622	0.009159	-0.03158	0.066998	0.074632
16.14094	0.033422	-0.01245	0.074089	0.082227
16.14567	0.005178	0.010239	0.021426	0.024305
16.15039	0.00091	-0.01366	0.030965	0.033856
16.15512	0.01561	0.00542	-0.0097	0.01916
16.15984	0.013377	0.030535	-0.05031	0.060352
16.16457	0.007366	0.012601	-0.07056	0.072053
16.1693	-0.0156	0.023147	-0.07354	0.078656
16.17402	0.023214	0.011147	-0.05632	0.061927
16.17875	0.069852	-0.03284	-0.04755	0.09066
16.18347	0.149051	-0.10029	-0.0448	0.185152
16.1882	0.135005	-0.09006	-0.03139	0.165294
16.19292	0.066516	-0.06562	-0.02758	0.097421
16.19765	0.040263	-0.01048	0.005863	0.042016
16.20238	0.048818	-0.01988	0.041399	0.067025
16.2071	0.066949	-0.01145	0.048167	0.083266
16.21183	0.048276	-0.00544	0.045388	0.066485
16.21655	0.087001	-0.06468	0.030773	0.112693
16.22128	0.123089	-0.06418	0.024584	0.140977

16.226	0.139893	-0.06969	0.029122	0.158982
16.23073	0.075823	-0.02996	-0.02095	0.084176
16.23546	0.071454	0.036748	-0.05637	0.098152
16.24018	0.076697	0.02705	-0.01437	0.082588
16.24491	-0.02512	0.024425	-0.03443	0.049124
16.24963	-0.0228	0.02308	-0.01398	0.035328
16.25436	-0.0562	0.083511	-0.01386	0.101608
16.25908	-0.12636	0.103001	-0.01968	0.164203
16.26381	-0.15096	0.096171	-0.03258	0.181933
16.26854	-0.1029	0.096503	-0.00147	0.141082
16.27326	-0.0566	0.107482	0.013954	0.122274
16.27799	-0.12947	0.080305	-0.03957	0.157407
16.28271	-0.07112	0.051137	-0.01908	0.089653
16.28744	-0.0536	0.05423	-0.0213	0.07917
16.29216	-0.04084	0.022848	0.010899	0.048052
16.29689	-0.0186	0.013265	0.008431	0.024352
16.30162	-0.00106	0.00492	0.008358	0.009757
16.30634	0.046268	0.008608	0.056934	0.073867
16.31107	0.020903	0.015838	0.036292	0.044776
16.31579	0.024336	0.020635	0.015825	0.035616
16.32052	0.044334	0.02771	-0.00091	0.05229
16.32524	0.066507	0.06792	-0.00921	0.095505
16.32997	0.114565	0.123333	-0.02218	0.169789
16.3347	0.148039	0.145122	-0.02436	0.208732
16.33942	0.028099	0.023225	-0.0111	0.038107
16.34415	-0.08047	-0.09899	-0.02406	0.129815
16.34887	-0.08389	-0.12423	-0.01437	0.15059
16.3536	-0.02669	-0.05679	0.037946	0.073333
16.35832	0.015802	-0.04333	0.022201	0.051182
16.36305	0.027076	-0.04423	0.007772	0.052441
16.36778	0.05252	-0.02265	0.005326	0.057442
16.3725	0.025533	-0.00717	0.002902	0.026679
16.37723	0.052118	-0.01318	-0.01849	0.056849
16.38195	0.04885	-0.01205	-0.00766	0.050894
16.38668	0.030157	-0.01453	-0.00405	0.033719
16.3914	0.030617	-0.03112	0.020894	0.048396
16.39613	0.006272	-0.02744	-0.00657	0.028902
16.40086	-0.01784	-0.03435	-0.00296	0.038823
16.40558	-0.00721	-0.02935	-0.00294	0.030363
16.41031	0.010627	0.017169	0.014878	0.025081
16.41503	0.004626	0.007535	0.020687	0.022497
16.41976	0.010567	0.009888	-0.0044	0.015126
16.42448	0.00585	0.018169	-0.00436	0.019579
16.42921	0.014279	0.009812	-0.01381	0.022157
16.43394	-0.00821	-0.00799	-0.00776	0.013841
16.43866	0.007468	-0.00084	-0.00414	0.008579
16.44339	0.029016	0.008651	0.010137	0.03193
16.44811	0.031262	0.003808	-0.01723	0.035901
16.45284	0.054843	0.025107	-0.00879	0.060953
16.45756	0.046177	0.042643	-0.01346	0.064279
16.46229	0.07309	0.058861	0.009195	0.094294
16.46702	0.081896	0.045256	-0.01224	0.094366

16.47174	0.069173	0.050678	0.005655	0.085937
16.47647	0.054113	0.022862	-0.00152	0.058764
16.48119	0.036748	-0.00119	-0.01693	0.04048
16.48592	0.001803	-0.04165	0.003373	0.041828
16.49064	-0.03887	-0.04737	-0.00853	0.061866
16.49537	-0.05186	-0.05659	-0.02151	0.079718
16.5001	-0.06232	-0.08233	-0.02727	0.106796
16.50482	-0.0524	-0.08644	-0.00331	0.101142
16.50955	-0.03773	-0.03826	-0.00685	0.054169
16.51427	-0.01605	-0.03673	-0.00323	0.040213
16.519	0.001941	0.00047	-0.01151	0.011678
16.52372	0.024655	0.001794	-0.01022	0.026749
16.52845	0.036473	0.023276	-0.00538	0.043601
16.53318	0.037444	0.025583	0.000598	0.045353
16.5379	0.05965	0.038576	-0.01364	0.072335
16.54263	0.085227	0.050235	0.007831	0.09924
16.54735	0.090377	0.080808	-0.00173	0.121247
16.55208	0.132201	0.137147	0.012528	0.190901
16.5568	0.16305	0.180038	0.020731	0.24378
16.56153	0.198294	0.249821	0.003947	0.318978
16.56626	0.25466	0.3214	0.015779	0.410364
16.57098	0.278468	0.412543	0.042936	0.49958
16.57571	0.248693	0.434103	0.01885	0.500648
16.58043	0.203749	0.479144	0.030557	0.521561
16.58516	0.244651	0.589138	0.03742	0.639013
16.58988	0.272237	0.738557	0.024061	0.787502
16.59461	0.350731	0.893951	0.038101	0.961047
16.59934	0.363387	1.15596	0.025923	1.212009
16.60406	0.442491	1.338709	0.074356	1.411902
16.60879	0.457041	1.496149	0.092724	1.567146
16.61351	0.388484	1.652078	0.112123	1.700839
16.61824	0.204452	1.893201	0.114749	1.907663
16.62296	0.07443	2.10862	0.054476	2.110637
16.62769	-0.28831	2.393507	0.036231	2.411081
16.63242	-0.61242	2.883774	-0.0044	2.94809
16.63714	-0.75495	3.515935	0.011064	3.596092
16.64187	-0.80627	4.010774	0.045382	4.091263
16.64659	-0.78086	4.600338	0.194693	4.670199
16.65132	-0.72613	5.26659	0.200425	5.320188
16.65604	-0.57007	5.578215	0.202565	5.610926
16.66077	-0.53135	5.745917	0.233382	5.77515
16.6655	-0.24201	5.805625	0.153031	5.812682
16.67022	0.200419	5.788672	0.238881	5.797065
16.67495	0.583218	5.794554	0.4023	5.837709
16.67967	0.72324	5.738727	0.185522	5.787096
16.6844	1.057747	5.87837	-0.64759	6.007781
16.68912	1.928478	6.209028	-1.02322	6.581644
16.69385	2.425209	6.027353	-0.98137	6.57067
16.69858	2.740965	5.570809	-0.43532	6.223849
16.7033	2.500163	5.850923	0.162642	6.364791
16.70803	1.56411	5.840508	-0.61552	6.077569
16.71275	-0.59092	4.207305	-1.5899	4.536341

16.71748	-1.49576	2.613669	-0.29153	3.025484
16.7222	-2.15465	1.782912	1.808258	3.330326
16.72693	-2.10316	1.854598	2.052093	3.474749
16.73166	-1.98674	2.721443	-0.07153	3.370235
16.73638	-1.11695	3.085572	0.177054	3.286287
16.74111	-1.18579	2.54043	-0.71464	2.893199
16.74583	-0.79115	2.159053	-1.10334	2.550452
16.75056	0.624317	1.175761	-0.36472	1.380293
16.75528	1.48078	-0.43234	1.474709	2.134102
16.76001	2.465477	-1.1306	1.279288	2.998901
16.76474	2.612867	-0.83083	0.566709	2.799734
16.76946	2.75857	-0.35471	-1.53467	3.176593
16.77419	3.132499	-0.66183	-1.5519	3.557943
16.77891	3.41448	-1.24829	-2.47608	4.398621
16.78364	2.136768	-2.23917	-0.7858	3.193295
16.78836	1.479499	-3.70435	1.767512	4.362936
16.79309	1.696736	-5.13176	0.823707	5.467388
16.79782	0.149362	-6.00852	-0.10339	6.011263
16.80254	-1.62233	-7.90407	-0.8716	8.115785
16.80727	-4.02466	-8.22429	-1.72129	9.316629
16.81199	-5.48722	-9.26264	0.693402	10.78828
16.81672	-5.75646	-9.18941	0.758264	10.87001
16.82144	-5.25387	-8.28197	1.394214	9.906467
16.82617	-3.70015	-7.31474	0.31944	8.203571
16.8309	-1.981	-6.66093	0.205526	6.952308
16.83562	-1.37226	-5.75953	-0.36947	5.932264
16.84035	-0.77393	-5.28529	-0.26862	5.348398
16.84507	0.69628	-5.1128	0.085424	5.160697
16.8498	2.877493	-4.59551	0.584787	5.453495
16.85452	2.681053	-4.146	0.560141	4.969014
16.85925	-0.93325	-7.69989	0.038474	7.756332
16.86398	3.165167	-8.17625	-1.85308	8.96121
16.8687	1.517362	-6.88603	-0.44671	7.065365
16.87343	-0.54733	-7.50359	1.181341	7.615712
16.87815	3.195732	-6.6142	0.864364	7.39645
16.88288	1.50173	-7.73174	1.815554	8.082773
16.8876	0.997669	-8.42038	-0.05921	8.47948
16.89233	-0.49803	-8.6288	-0.60405	8.664243
16.89706	-1.11997	-8.76335	-1.15414	8.909696
16.90178	-0.44596	-8.76498	-1.03559	8.837209
16.90651	-1.61381	-8.54817	-0.14407	8.700366
16.91123	-3.05253	-7.39384	0.107044	7.999896
16.91596	-2.41535	-6.59626	-0.17029	7.026631
16.92068	-1.29255	-6.09751	-0.8965	6.297145
16.92541	-0.85407	-6.4173	-1.57864	6.663577
16.93014	-1.10271	-7.04593	-1.44721	7.27705
16.93486	-0.78598	-7.12388	-0.53908	7.187349
16.93959	-0.91781	-6.37924	0.97502	6.518266
16.94431	-0.91157	-5.74285	1.553962	6.018813
16.94904	-0.53793	-5.55429	2.109224	5.965593
16.95376	-1.69119	-5.08613	3.446918	6.372608
16.95849	-2.98005	-5.67479	4.043432	7.578474

16.96322	-1.99711	-4.84496	5.569474	7.647297
16.96794	-2.9223	-1.68416	-6.6841	7.486882
16.97267	0.09924	0.27119	-2.89862	2.912967
16.97739	0.872238	0.009859	-7.6335	7.68318
16.98212	0.015912	0.616444	-3.82712	3.876477
16.98684	2.707944	2.307858	3.309083	4.858929
16.99157	0.348111	-0.3249	3.966713	3.995191
16.9963	-0.65919	0.504816	3.831259	3.920194
17.00102	-3.00556	-1.86423	-0.76092	3.617703
17.00575	-1.65293	-0.34576	-1.43507	2.216111
17.01047	-1.06401	0.884275	-2.22912	2.623553
17.0152	-0.05587	2.029663	-0.72679	2.156591
17.01992	0.559761	3.432633	0.256244	3.4874
17.02465	1.070372	4.290296	0.717097	4.479572
17.02938	0.971181	4.104688	0.805757	4.294287
17.0341	0.077748	3.757598	-0.32693	3.772594
17.03883	0.103672	3.866596	-0.11627	3.869733
17.04355	-0.06394	3.916308	0.335515	3.931174
17.04828	-0.16956	3.673626	0.418692	3.701294
17.053	-0.24245	3.305948	0.231686	3.322914
17.05773	-0.17029	3.500515	0.146461	3.507714
17.06246	0.069389	3.711936	-0.08323	3.713518
17.06718	0.260145	3.856533	-0.82042	3.951406
17.07191	0.462682	4.346875	-1.20536	4.534567
17.07663	0.950958	4.589232	-0.2324	4.692482
17.08136	1.264936	4.644275	0.653298	4.857587
17.08608	1.276032	4.655045	1.450659	5.04005
17.09081	1.291283	3.995157	-0.17745	4.202402
17.09554	0.858501	3.935992	-0.10076	4.02979
17.10026	0.851776	3.373126	-1.55123	3.809176
17.10499	1.113869	3.804875	-1.74403	4.331212
17.10971	1.119768	4.126093	0.667117	4.327074
17.11444	1.715601	4.027028	1.72619	4.705313
17.11916	1.554535	3.82243	0.765734	4.196892
17.12389	1.238713	3.377628	-0.64639	3.655216
17.12862	1.054281	3.273942	-0.3791	3.460335
17.13334	1.024737	3.16047	0.340736	3.339873
17.13807	0.999231	2.812565	0.428758	3.01543
17.14279	0.87042	2.657447	0.070959	2.797265
17.14752	0.854953	2.588855	-0.22187	2.735386
17.15224	0.778218	2.521669	-0.14152	2.642814
17.15697	0.578313	2.346811	0.039099	2.417333
17.1617	0.358101	1.881743	0.083267	1.917323
17.16642	0.041009	1.296685	-0.05305	1.298418
17.17115	0.031193	0.895042	-0.04223	0.89658
17.17587	0.138319	0.623954	0.013975	0.639255
17.1806	0.4173	0.650699	0.017538	0.773212
17.18532	0.755611	0.84344	0.048578	1.133445
17.19005	0.9059	1.081154	0.122595	1.415832
17.19478	0.92808	1.167947	0.063883	1.493156
17.1995	0.921659	1.092139	-0.01029	1.429101
17.20423	0.808074	0.853649	0.036311	1.176018

17.20895	0.83328	0.648552	0.035055	1.056506
17.21368	0.540688	0.196646	0.256068	0.629749
17.2184	0.242476	-0.17222	0.141034	0.329158
17.22313	0.186808	-0.40718	0.023747	0.448614
17.22786	0.147711	-0.34538	-0.15911	0.407954
17.23258	0.087493	-0.32635	-0.10873	0.354936
17.23731	-0.00351	-0.37421	0.009696	0.374353
17.24203	-0.12406	-0.39713	0.124394	0.434258
17.24676	-0.29465	-0.54299	0.041787	0.6192
17.25148	-0.3932	-0.60249	-0.03832	0.720468
17.25621	-0.45574	-0.70013	-0.01916	0.83561
17.26094	-0.66396	-0.71157	-0.01077	0.973287
17.26566	-0.76684	-0.73138	-0.07528	1.062375
17.27039	-0.83021	-0.7307	-0.07877	1.108771
17.27511	-0.92342	-0.79916	-0.13961	1.229167
17.27984	-0.83977	-0.72052	-0.08567	1.109818
17.28456	-0.74793	-0.63959	-0.04732	0.985248
17.28929	-0.59883	-0.46077	-0.00186	0.755586
17.29402	-0.28743	-0.32275	-0.01261	0.432363
17.29874	-0.19018	-0.26255	-0.03051	0.325621
17.30347	-0.26643	-0.2371	-0.04243	0.359167
17.30819	-0.15467	-0.19023	-0.0113	0.245429
17.31292	-0.23664	-0.10045	0.093868	0.273675
17.31764	-0.03303	-0.37391	-0.08429	0.384709
17.32237	-0.23099	-0.24802	0.062795	0.344697
17.3271	-0.13853	-0.35049	-0.01854	0.37733
17.33182	-0.11518	-0.40374	-0.00058	0.419849
17.33655	-0.13993	-0.20141	0.060359	0.252566
17.34127	-0.0283	-0.46636	-0.04725	0.469598
17.346	-0.23101	-0.24122	0.06752	0.340748
17.35072	-0.00714	-0.41902	-0.02457	0.419799
17.35545	-0.04022	-0.45785	-0.0568	0.463114
17.36018	-0.00291	-0.38453	0.022139	0.385173
17.3649	-0.0025	-0.40198	0.024507	0.402737
17.36963	-0.04531	-0.38596	-0.05917	0.393085
17.37435	-0.0535	-0.38202	-0.06148	0.390616
17.37908	-0.03672	-0.35659	-0.01958	0.359006
17.3838	-0.03675	-0.32519	-0.04585	0.330455
17.38853	-0.06189	-0.28908	-0.03384	0.297557
17.39326	0.009851	-0.25532	-0.03141	0.257434
17.39798	0.01224	-0.20967	0.015226	0.210573
17.40271	-0.05237	-0.18203	-0.0063	0.189515
17.40743	-0.06776	-0.12209	-0.00271	0.139654
17.41216	-0.12869	-0.13033	-0.01226	0.183562
17.41688	-0.15111	-0.13494	0.028378	0.204567
17.42161	-0.14281	-0.14442	-0.0087	0.203292
17.42634	-0.09858	-0.16588	-0.05291	0.200082
17.43106	-0.01223	-0.11902	0.034392	0.124488
17.43579	0.02249	-0.1392	0.01284	0.141585
17.44051	-0.01452	-0.17618	-0.00271	0.176798
17.44524	0.006905	-0.15686	-0.02541	0.159051
17.44996	-0.00753	-0.15679	-0.02777	0.159407

17.45469	-0.00506	-0.1746	0.032009	0.177585
17.45942	0.016482	-0.15175	0.011657	0.153091
17.46414	0.002201	-0.16002	-0.01823	0.161066
17.46887	-0.00509	-0.15504	-0.04211	0.160735
17.47359	-0.00034	-0.15606	-0.04803	0.163281
17.47832	0.012887	-0.1752	0.018945	0.176688
17.48304	0.010462	-0.17753	0.032064	0.180701
17.48777	0.010374	-0.1416	-0.00024	0.141981
17.4925	0.01148	-0.1403	-0.02294	0.142631
17.49722	0.013753	-0.16173	-0.0026	0.162332
17.50195	0.01009	-0.16893	0.00576	0.169325
17.50667	0.008906	-0.16417	0.008142	0.164609
17.5114	0.023301	-0.169	0.020082	0.171777
17.51612	0.012641	-0.19898	-0.00743	0.199518
17.52085	0.031811	-0.18697	-0.01339	0.190129
17.52558	0.017471	-0.18344	-0.02294	0.185692
17.5303	0.018641	-0.17757	-0.0026	0.178562
17.53503	0.013848	-0.20035	-0.02052	0.201876
17.53975	0.011494	-0.198	-0.00616	0.19843
17.54448	0.003056	-0.18846	-0.01571	0.189134
17.5492	0.025739	-0.18608	-0.00733	0.187992
17.55393	0.018534	-0.16336	-0.01329	0.164946
17.55866	0.020884	-0.17648	-0.01686	0.178509
17.56338	0.00885	-0.15244	-0.03596	0.156873
17.56811	0.026661	-0.12601	-0.04189	0.135441
17.57283	0.046727	-0.09239	-0.03228	0.108449
17.57756	0.130125	-0.00501	-0.00595	0.130357
17.58228	0.000669	-0.15429	-0.02148	0.155779
17.58701	-0.04726	-0.21853	-0.0119	0.223899
17.59174	0.024368	-0.11546	0.015598	0.119032
17.59646	0.019443	-0.13076	-0.0119	0.132735
17.60119	-0.01781	-0.15203	-0.03101	0.156182
17.60591	0.002386	-0.14813	-0.0238	0.150047
17.61064	0.0094	-0.12181	-0.00343	0.122217
17.61536	0.042443	-0.12422	0.000154	0.131272
17.62009	0.026566	-0.1231	-0.0129	0.12659
17.62482	0.020243	-0.0994	0.005005	0.101561
17.62954	0.019989	-0.14591	0.009708	0.147592
17.63427	0.00074	-0.16952	-0.01054	0.169848
17.63899	0.022075	-0.13008	-0.01401	0.132681
17.64372	0.051524	-0.12656	-0.0139	0.137352
17.64844	0.049893	-0.12783	-0.01734	0.138315
17.65317	0.048234	-0.12672	0.010092	0.135964
17.6579	0.033511	-0.15293	-0.01491	0.15727
17.66262	0.014193	-0.14095	-0.0219	0.143344
17.66735	0.019951	-0.15279	-0.01342	0.154672
17.67207	0.014941	-0.14321	0.003305	0.144024
17.6768	-0.00542	-0.1301	0.002091	0.130234
17.68152	0.021855	-0.11595	-0.01453	0.118883
17.68625	0.026362	-0.11263	-0.01442	0.116572
17.69098	0.046185	-0.0571	0.009433	0.074042
17.6957	0.011168	-0.09574	-0.012	0.097133

17.70043	0.037007	-0.1139	-0.02496	0.122337
17.70515	0.068633	-0.04175	0.023894	0.083811
17.70988	0.063313	-0.06033	0.014204	0.088601
17.7146	0.026031	-0.07519	0.020019	0.082045
17.71933	0.013933	-0.11493	0.012733	0.116471
17.72406	-0.00522	-0.11512	-0.0111	0.115775
17.72878	0.010198	-0.1117	0.005602	0.112302
17.73351	-0.0113	-0.14281	-0.00275	0.14328
17.73823	-0.01957	-0.16059	-0.00036	0.16178
17.74296	-0.02884	-0.18416	0.009139	0.186631
17.74768	-0.02981	-0.21463	-0.01704	0.217359
17.75241	-0.03907	-0.17491	-0.00741	0.179375
17.75714	-0.01505	-0.16762	-0.01209	0.168726
17.76186	0.004077	-0.1437	-0.01792	0.144875
17.76659	-0.00904	-0.15561	0.005955	0.155988
17.77131	0.021841	-0.10461	0.028445	0.110584
17.77604	-0.0498	-0.14659	-0.02756	0.157249
17.78076	-0.01992	-0.20949	-0.03326	0.213047
17.78549	-0.00802	-0.15678	-0.01875	0.158104
17.79022	0.037003	-0.1093	0.026486	0.118398
17.79494	0.038935	-0.09544	0.020331	0.105062
17.79967	0.030287	-0.135	-0.0356	0.142861
17.80439	0.037317	-0.11722	0.016902	0.124175
17.80912	-0.03208	-0.08202	0.041672	0.097432
17.81384	-0.04633	-0.1621	-0.06665	0.181289
17.81857	0.033306	-0.09905	-0.03643	0.110664
17.8233	0.070823	-0.01985	0.031499	0.080012
17.82802	0.090327	0.018202	0.046658	0.103282
17.83275	0.09311	0.012024	0.01542	0.095141
17.83747	0.108919	0.018964	-0.00369	0.11062
17.8422	0.085344	0.003319	-0.00366	0.085487
17.84692	0.058392	0.000842	0.001111	0.058408
17.85165	0.056648	-0.01937	-8.5E-05	0.059868
17.85638	0.045412	-0.01335	-0.01195	0.048818
17.8611	0.035497	-0.00971	0.004758	0.037107
17.86583	0.019759	-0.01449	0.009462	0.026265
17.87055	0.027854	-0.04284	-0.00248	0.051163
17.87528	0.026361	-0.04368	-0.00246	0.051074
17.88	0.030839	-0.05279	-0.01193	0.062292
17.88473	0.021057	-0.06898	3.15E-05	0.072118
17.88946	0.024379	-0.06602	-0.0059	0.07062
17.89418	0.02766	-0.06301	-0.02839	0.074441
17.89891	0.016732	-0.07668	-0.01155	0.07933
17.90363	0.028367	-0.06768	-0.00671	0.073691
17.90836	0.041077	-0.08484	-0.02801	0.098337
17.91308	0.029883	-0.08044	-0.02421	0.08916
17.91781	0.034289	-0.07141	-0.00859	0.079677
17.92254	0.03637	-0.09684	0.005723	0.103606
17.92726	0.017079	-0.08882	0.015167	0.091711
17.93199	0.021676	-0.07377	0.00199	0.076918
17.93671	0.002493	-0.08261	-0.00396	0.082741
17.94144	-0.00817	-0.09023	0.005567	0.090766

17.94616	0.013289	-0.07875	0.017385	0.081737
17.95089	0.017932	-0.06859	-0.00767	0.071312
17.95562	0.021321	-0.07867	-0.01829	0.083536
17.96034	-0.00026	-0.06376	-0.00983	0.064518
17.96507	-0.00863	-0.05963	-0.02399	0.064851
17.96979	0.003234	-0.06264	-0.01311	0.064077
17.97452	-0.00041	-0.05496	-0.01656	0.057398
17.97924	-0.00172	-0.06038	-0.00574	0.060672
17.98397	-0.00648	-0.06695	-0.00332	0.067344
17.9887	0.010135	-0.06751	0.014503	0.069788
17.99342	0.020708	-0.06327	-0.0129	0.067816
17.99815	0.020557	-0.05434	-0.01161	0.05925
18.00287	0.013274	-0.08347	-0.021	0.087087
18.0076	0.022649	-0.06491	-0.0149	0.070339
18.01232	0.033145	-0.07376	-0.01003	0.081481
18.01705	-0.00392	-0.06838	0.004295	0.06863
18.02178	0.024598	-0.08678	-0.00286	0.090247
18.0265	0.026717	-0.08962	-0.00877	0.093927
18.03123	0.018183	-0.06633	0.00317	0.06885
18.03595	-0.00932	-0.07158	0.003144	0.072255
18.04068	0.001415	-0.06264	-0.00756	0.063109
18.0454	0.012033	-0.07039	-0.00156	0.071433
18.05013	0.007152	-0.05074	-0.02884	0.058799
18.05486	0.011818	-0.04665	0.002251	0.048173
18.05958	0.015287	-0.07105	0.00342	0.072754
18.06431	-0.01327	-0.0443	0.003392	0.046365
18.06903	0.003463	-0.04495	-0.00138	0.045101
18.07376	0.010687	-0.03844	-0.01916	0.044263
18.07848	0.024982	-0.03315	-0.01188	0.043177
18.08321	0.029653	-0.02788	-0.01296	0.042713
18.08794	0.025993	0.023611	-0.01878	0.039822
18.09266	0.034268	0.043923	-0.00319	0.0558
18.09739	0.044719	0.078247	0.005143	0.090271
18.10211	0.072793	0.194123	-0.01981	0.208267
18.10684	0.106504	0.325647	-0.02201	0.343327
18.11156	0.06157	0.490595	-0.02895	0.49529
18.11629	0.030241	0.736064	0.009266	0.736743
18.12102	-0.01617	1.06505	0.003264	1.065178
18.12574	-0.09654	1.432901	0.010365	1.436187
18.13047	-0.16419	1.740839	0.018593	1.748663
18.13519	-0.17281	2.033342	0.057605	2.041485
18.13992	-0.18233	2.404114	0.10697	2.413389
18.14464	-0.13143	2.854857	0.083549	2.859102
18.14937	-0.03703	3.333821	0.162354	3.337977
18.1541	-0.02516	3.618401	0.1171	3.620383
18.15882	-0.41968	3.931699	0.088255	3.955019
18.16355	-0.45606	4.518966	-0.06122	4.542334
18.16827	-0.2378	5.369721	0.526765	5.400735
18.173	-0.33334	5.4274	-0.21236	5.441772
18.17772	-0.39825	5.897015	-0.04363	5.910608
18.18245	-0.55933	5.997633	-0.42478	6.038617
18.18718	-1.19511	5.548816	-0.59993	5.707677

18.1919	-1.06762	5.730125	-0.20369	5.832293
18.19663	-0.61805	6.653253	1.067946	6.766703
18.20135	-0.32228	7.330302	0.47989	7.35306
18.20608	-0.46235	8.223604	-0.78974	8.274366
18.2108	0.130434	8.271743	-2.12833	8.542161
18.21553	0.925806	7.832716	-1.94534	8.123603
18.22026	0.343823	6.451213	0.139743	6.46188
18.22498	0.044296	4.54711	2.025102	4.977872
18.22971	0.449334	4.402397	2.30934	4.991598
18.23443	0.621437	4.792445	1.321824	5.010083
18.23916	0.952441	4.137563	-0.66463	4.297477
18.24388	1.303884	3.626252	-0.297	3.864974
18.24861	1.441386	2.806214	-0.8105	3.257198
18.25334	1.397174	2.175888	-0.00056	2.585843
18.25806	2.079219	1.903171	0.834667	2.939707
18.26279	2.283641	2.221474	-0.3924	3.209975
18.26751	2.158587	1.64158	-0.99536	2.888777
18.27224	2.318088	0.609266	-1.76491	2.976518
18.27696	1.116172	-0.95142	-2.69725	3.070211
18.28169	-0.67465	-2.25979	-0.24319	2.370854
18.28642	-0.1982	-2.97617	1.904335	3.538834
18.29114	-2.57456	-3.67058	1.020059	4.598051
18.29587	0.840314	-4.206	-1.68059	4.606615
18.30059	-1.72351	-3.70761	-0.56847	4.127954
18.30532	-2.03091	-4.27186	-0.86774	4.808986
18.31004	-1.02801	-5.39271	0.298341	5.497918
18.31477	-1.21881	-5.33369	-0.25172	5.47696
18.3195	-1.0915	-4.33109	0.786963	4.535303
18.32422	1.070582	-2.67912	0.438254	2.918199
18.32895	0.413077	-0.96352	-0.28402	1.086127
18.33367	-5.05088	-6.56194	0.820455	8.321275
18.3384	-3.67293	-9.76495	-0.74708	10.45958
18.34312	-5.93303	-9.36606	2.082258	11.28094
18.34785	-6.71459	-10.193	0.840555	12.2348
18.35258	-5.1902	-12.4575	0.87295	13.52371
18.3573	-3.32799	-13.1879	0.004325	13.60128
18.36203	-2.42856	-12.5337	-0.52381	12.77758
18.36675	0.233666	-9.58324	-1.53879	9.708806
18.37148	3.192019	-7.15162	-2.22866	8.142576
18.3762	4.381813	-6.5594	-1.49804	8.029328
18.38093	4.162385	-5.56549	-0.69658	6.984647
18.38566	3.210823	-4.49828	-0.00724	5.526658
18.39038	3.008834	-4.47237	1.573771	5.615327
18.39511	2.899238	-4.32619	2.380781	5.726226
18.39983	1.1778	-2.6889	2.620281	3.934879
18.40456	0.252981	-2.21427	1.566522	2.724148
18.40928	1.326376	-3.08589	0.478233	3.392739
18.41401	2.680354	-4.06436	-0.7831	4.93118
18.41874	2.099332	-3.95397	-1.71301	4.793272
18.42346	0.909961	-2.94967	-1.83633	3.591756
18.42819	1.235773	-2.48842	-1.22338	3.035793
18.43291	2.069516	-2.64191	-0.25392	3.365573

18.43764	1.167414	-3.17411	0.86005	3.489627
18.44236	0.155034	-3.60967	1.283089	3.83407
18.44709	-0.69531	-4.37516	1.302869	4.617673
18.45182	-2.29907	-4.92235	0.723967	5.480819
18.45654	-2.24182	-5.51258	-0.40625	5.96484
18.46127	-1.76173	-5.8332	-0.77506	6.142527
18.46599	-3.04016	-6.41614	-0.96889	7.165762
18.47072	-3.60867	-6.94828	-0.94618	7.886464
18.47544	-3.56174	-7.48635	-0.26869	8.294794
18.48017	-3.83044	-7.74238	0.397176	8.647225
18.4849	-2.08081	-6.6483	1.396779	7.104979
18.48962	-2.43363	-5.47141	0.756772	6.035857
18.49435	-0.16182	-4.32451	1.853654	4.707827
18.49907	-0.07379	-3.69465	1.46985	3.976981
18.5038	0.214575	-3.39927	-0.59469	3.457563
18.50852	0.21163	-3.46002	-0.71484	3.539418
18.51325	0.109192	-2.99219	-1.21474	3.231211
18.51798	0.245507	-3.17552	-1.01975	3.344261
18.5227	0.88002	-2.50198	0.023381	2.652331
18.52743	0.381553	-1.94348	0.300488	2.003241
18.53215	0.636296	-1.34141	-0.35598	1.52675
18.53688	0.62316	-1.00605	0.097235	1.187404
18.5416	0.054476	-1.10535	0.45666	1.197207
18.54633	-0.28031	-1.46789	-0.95879	1.775541
18.55106	-0.80734	-1.11179	-0.47847	1.454923
18.55578	-0.83137	-0.18174	-1.69066	1.892756
18.56051	-0.81128	0.699365	-1.34908	1.722585
18.56523	-0.62394	1.441259	-0.39853	1.620294
18.56996	-0.45873	2.081667	1.743207	2.753641
18.57468	2.62229	4.202076	4.511834	6.700037
18.57941	0.15612	2.039134	-1.15543	2.348929
18.58414	0.473308	2.713119	-2.97495	4.054056
18.58886	-2.13634	0.765184	-1.98762	3.016638
18.59359	-1.44968	0.936735	0.205269	1.738157
18.59831	-0.12848	1.921396	2.454905	3.120068
18.60304	0.55247	2.373698	2.023833	3.167896
18.60776	0.756466	3.01549	-0.65545	3.177269
18.61249	1.212908	3.320935	-2.12917	4.127122
18.61722	0.856596	3.117049	-0.79177	3.328161
18.62194	0.204293	2.351859	0.779301	2.486018
18.62667	0.462483	2.561395	0.990891	2.78505
18.63139	1.083834	3.40585	0.669295	3.636271
18.63612	0.82003	3.771342	-0.18119	3.863716
18.64084	0.757706	3.451965	-0.7713	3.61733
18.64557	0.731089	3.140756	-0.14782	3.22811
18.6503	0.584875	3.038768	0.657672	3.163657
18.65502	0.572268	3.138363	0.430943	3.219088
18.65975	0.454967	3.43849	-0.56141	3.5136
18.66447	0.370237	3.663352	-1.22388	3.880091
18.6692	0.278868	3.717779	-0.75393	3.80369
18.67392	0.291612	3.652129	0.481357	3.695238
18.67865	0.311944	3.732646	0.983787	3.872698

18.68338	-0.05803	3.136949	0.406578	3.16372
18.6881	0.223356	3.304379	-0.13047	3.314487
18.69283	0.411081	3.028853	0.156462	3.060624
18.69755	0.286922	2.677606	-0.71124	2.785275
18.70228	0.364242	2.5676	-1.59814	3.046191
18.707	0.475139	3.002956	-0.88036	3.165207
18.71173	0.664172	2.782614	0.570178	2.917048
18.71646	0.911991	2.345112	1.556458	2.958689
18.72118	0.817748	2.068243	0.553164	2.291797
18.72591	0.741639	2.145588	-0.42497	2.309583
18.73063	0.6969	2.166604	-0.61083	2.356472
18.73536	0.552978	1.974893	-0.08549	2.052631
18.74008	0.560688	1.724201	0.240826	1.828999
18.74481	0.414213	1.830642	0.330143	1.905733
18.74954	0.199753	1.754374	0.027416	1.765922
18.75426	0.035774	1.519747	-0.18292	1.531134
18.75899	-0.2283	1.347592	-0.07634	1.368924
18.76371	-0.25683	1.204088	0.11494	1.236528
18.76844	-0.37851	1.083153	0.199634	1.164622
18.77316	-0.40917	0.754492	0.090647	0.863073
18.77789	-0.39081	0.521874	0.028399	0.652602
18.78262	-0.27817	0.444952	-0.06484	0.528738
18.78734	-0.17282	0.185471	-0.06954	0.262876
18.79207	-0.09613	0.008778	-0.05511	0.111158
18.79679	-0.05056	-0.04943	0.023821	0.074614
18.80152	-0.03615	-0.10517	-0.02639	0.114299
18.80624	-0.0205	-0.12269	-0.02397	0.126682
18.81097	0.005832	-0.13052	-0.02872	0.13377
18.8157	0.023792	-0.16584	0.004779	0.167602
18.82042	0.040504	-0.17963	0.011944	0.184522
18.82515	0.02603	-0.19236	-0.0036	0.194145
18.82987	0.011687	-0.24565	-0.01435	0.246343
18.8346	-0.00501	-0.27857	-0.00717	0.278708
18.83932	-0.05521	-0.28407	-0.03464	0.291453
18.84405	-0.05521	-0.29318	-0.04416	0.301584
18.84878	-0.05754	-0.28911	-0.03693	0.297083
18.8535	-0.08395	-0.30896	0.01569	0.320541
18.85823	-0.0816	-0.33349	0.010889	0.3435
18.86295	-0.08159	-0.29125	0.027603	0.303718
18.86768	-0.0637	-0.24309	0.019203	0.252027
18.8724	-0.05179	-0.22133	0.022763	0.228447
18.87713	-0.02558	-0.17684	0.009589	0.178939
18.88186	0.010453	-0.15028	0.0048	0.150716
18.88658	0.004572	-0.17864	-0.0191	0.179717
18.89131	-0.0422	-0.16173	-0.01072	0.167489
18.89603	-0.02537	-0.15201	0.041873	0.159702
18.90076	-0.00503	-0.14231	0.032262	0.146005
18.90548	-0.01932	-0.14586	0.04178	0.152949
18.91021	-0.00487	-0.15185	0.063237	0.164562
18.91494	-0.00606	-0.17099	0.017751	0.172016
18.91966	0.004622	-0.18894	-0.02529	0.190683
18.92439	-0.02173	-0.1997	-0.0157	0.201495

18.92911	-0.01932	-0.22364	-0.0109	0.224735
18.93384	-0.01332	-0.22241	-0.01567	0.223355
18.93856	-0.00963	-0.19953	-0.04672	0.20515
18.94329	0.038255	-0.19701	-0.00484	0.200745
18.94802	0.047974	-0.16215	-0.04068	0.173926
18.95274	0.030169	-0.21336	-0.03346	0.218069
18.95747	0.010909	-0.18804	-0.0597	0.197588
18.96219	0.064873	-0.17581	-0.02019	0.188484
18.96692	0.049437	-0.26876	0.002536	0.273278
18.97164	0.027805	-0.35343	-0.05124	0.358211
18.97637	0.086458	-0.29816	0.03486	0.312391
18.9811	0.150855	-0.22741	-0.00462	0.272939
18.98582	0.131484	-0.11374	-0.00939	0.174107
18.99055	0.114456	-0.11482	-0.04523	0.168313
18.99527	0.099951	-0.16127	-0.03203	0.192419
19	0.057909	-0.15518	0.003858	0.165675
19.00472	-0.00676	-0.09406	0.007437	0.0946
19.00945	0.000399	-0.05935	-0.00691	0.059748
19.01418	-0.02351	-0.04019	0.028944	0.054824
19.0189	-0.07959	-0.01621	-0.00933	0.081762
19.02363	-0.07339	-0.02333	-0.00573	0.077219
19.02835	-0.0888	-0.05795	-0.01887	0.107697
19.03308	-0.09218	-0.03273	0.002666	0.097851
19.0378	-0.0621	-0.07452	0.009832	0.097499
19.04253	-0.03437	-0.14605	0.000263	0.150043
19.04726	0.014824	-0.16022	0.001458	0.160913
19.05198	0.0042	-0.16954	0.007433	0.169754
19.05671	0.00908	-0.16697	-0.01169	0.167621
19.06143	0.013927	-0.17754	-0.02841	0.180337
19.06616	0.018725	-0.1785	-0.0224	0.180871
19.07088	0.025949	-0.1963	-0.00803	0.19817
19.07561	0.009224	-0.1853	-0.01519	0.186151
19.08034	0.031938	-0.19942	-0.008	0.202123
19.08506	0.039075	-0.18974	-0.00799	0.193889
19.08979	0.02357	-0.18723	-0.02949	0.190997
19.09451	0.030717	-0.18825	-0.0426	0.195435
19.09924	0.040274	-0.18928	-0.02104	0.194654
19.10396	0.029405	-0.17119	-0.01981	0.17482
19.10869	0.030641	-0.16749	-0.01501	0.170925
19.11342	0.009115	-0.14345	0.001737	0.143747
19.11814	0.018698	-0.13613	-0.00782	0.137627
19.12287	0.00319	-0.14916	0.002939	0.149219
19.12759	0.010405	-0.15619	0.00652	0.156677
19.13232	0.01872	-0.16684	0.007707	0.168062
19.13704	0.025845	-0.19297	0.013671	0.195176
19.14177	0.052121	-0.24051	0.004095	0.246129
19.1465	0.049699	-0.239	0.00409	0.244146
19.15122	0.032969	-0.21121	-0.01981	0.214687
19.15595	0.041254	-0.18705	-0.00067	0.191542
19.16067	0.071051	-0.22265	0.008891	0.233884
19.1654	0.060281	-0.23434	0.010076	0.242184
19.17012	0.053152	-0.24359	0.011259	0.249576

19.17485	0.030385	-0.19551	-0.0007	0.197858
19.17958	0.036067	-0.16664	-0.01138	0.170879
19.1843	0.00615	-0.14153	-0.03145	0.145113
19.18903	0.001412	-0.1059	-0.03	0.110073
19.19375	-0.02699	-0.08244	0.004656	0.086866
19.19848	-0.00646	-0.0758	-0.01555	0.077647
19.2032	-0.03126	-0.09632	-0.00712	0.101519
19.20793	-0.02733	-0.07055	-0.0118	0.076568
19.21266	-0.0211	-0.09722	-0.01645	0.10083
19.21738	-0.01974	-0.11419	-0.02343	0.118224
19.22211	-0.01601	-0.10021	-0.03391	0.106997
19.22683	0.000702	-0.11008	-0.01821	0.111578
19.23156	0.035179	-0.17793	0.00093	0.181378
19.23628	0.040865	-0.2002	0.006854	0.204446
19.24101	0.045289	-0.21278	-0.01456	0.218036
19.24574	0.080522	-0.19791	-0.01681	0.214326
19.25046	0.064445	-0.18554	-0.00836	0.19659
19.25519	0.041439	-0.14366	0.003571	0.149561
19.25991	0.036364	-0.1603	0.017778	0.165329
19.26464	0.056203	-0.14475	-0.00254	0.155295
19.26936	0.019068	-0.09729	0.005788	0.099309
19.27409	-0.01901	-0.09766	0.006926	0.099733
19.27882	-0.01525	-0.10516	0.015173	0.107336
19.28354	-0.05908	-0.05449	0.005554	0.080559
19.28827	-0.05619	-0.05523	-0.01347	0.079935
19.29299	-0.03901	-0.05834	0.003247	0.070257
19.29772	-0.03513	-0.05193	0.018645	0.065409
19.30244	-0.01571	-0.11911	0.020863	0.121937
19.30717	0.01539	-0.17742	-0.00422	0.178137
19.3119	0.018881	-0.14157	-0.02436	0.14489
19.31662	0.021184	-0.16529	0.00076	0.166645
19.32135	0.049528	-0.16868	-0.01467	0.176416
19.32607	0.044443	-0.14476	-0.01455	0.152126
19.3308	0.056023	-0.17442	-0.02273	0.184606
19.33552	0.056829	-0.15754	-0.02254	0.168988
19.34025	0.058784	-0.16334	-0.01405	0.174164
19.34498	0.03934	-0.162	-0.00325	0.166742
19.3497	0.026032	-0.1108	-0.00678	0.11402
19.35443	0.021125	-0.15373	0.00158	0.15518
19.35915	-0.0003	-0.15012	-0.00674	0.150274
19.36388	0.005653	-0.18687	0.001623	0.186965
19.3686	-0.01087	-0.16519	0.000423	0.165552
19.37333	0.022584	-0.17569	-0.00195	0.177146
19.37806	0.004667	-0.17901	-0.01143	0.17943
19.38278	0.014216	-0.18825	-0.00421	0.188837
19.38751	-0.01191	-0.16771	-0.00418	0.168182
19.39223	0.017919	-0.2126	-0.00414	0.213396
19.39696	0.015533	-0.19657	0.010131	0.197443
19.40168	0.049889	-0.1605	0.002929	0.168102
19.40641	0.027038	-0.18996	0.002906	0.191896
19.41114	0.028091	-0.16334	0.014748	0.166392
19.41586	0.050449	-0.16067	0.012254	0.168848

19.42059	0.061983	-0.21381	0.006222	0.222701
19.42531	0.068688	-0.17515	-0.01756	0.188958
19.43004	0.068146	-0.1819	-0.01978	0.195252
19.43476	0.077198	-0.20037	-0.01368	0.215166
19.43949	0.036215	-0.19625	-0.03255	0.202197
19.44422	0.0407	-0.17198	-0.00736	0.176888
19.44894	0.02379	-0.17165	0.019988	0.174442
19.45367	-0.00121	-0.21049	-0.0217	0.211608
19.45839	-0.09965	-0.29992	-0.01203	0.316273
19.46312	-0.09755	-0.27358	-0.04396	0.293763
19.46784	-0.05045	-0.2285	-0.02579	0.235417
19.47257	-0.05586	-0.1636	-0.00066	0.172876
19.4773	-0.05646	-0.17873	-0.02557	0.18917
19.48202	-0.02853	-0.15572	-0.004	0.158361
19.48675	0.021661	-0.19818	-0.01464	0.199902
19.49147	0.015638	-0.19051	0.004468	0.191201
19.4962	0.041687	-0.19719	0.010365	0.201814
19.50092	0.047264	-0.19191	-0.02413	0.199109
19.50565	0.145545	-0.09753	0.024723	0.176937
19.51038	0.029028	-0.15959	0.016209	0.163018
19.5151	0.076092	-0.1405	-0.07291	0.175629
19.51983	0.113395	0.002041	0.036851	0.11925
19.52455	0.09585	-0.03102	-0.00616	0.100932
19.52928	0.047633	-0.07799	0.02355	0.094372
19.534	0.030623	-0.07833	-0.00393	0.084197
19.53873	0.037498	-0.02647	-0.00034	0.0459
19.54346	-0.01036	0.029696	-0.03236	0.045129
19.54818	-0.04824	0.051067	-0.02379	0.074166
19.55291	-0.07279	0.020112	-0.00579	0.07574
19.55763	-0.05428	-0.06285	0.007318	0.083365
19.56236	-0.0645	-0.09903	0.026241	0.121057
19.56708	-0.03426	-0.03647	0.015346	0.05234
19.57181	-0.0269	-0.09895	-0.02037	0.104544
19.57654	-0.03157	-0.13351	-0.05342	0.147222
19.58126	-0.07408	-0.13345	-0.01857	0.15376
19.58599	-0.0486	-0.13701	0.023112	0.147197
19.59071	-0.0993	-0.15718	0.005123	0.185991
19.59544	-0.05103	-0.14629	-0.0139	0.155552
19.60016	-0.07788	-0.14499	-0.00429	0.164639
19.60489	-0.09501	-0.15557	-0.01731	0.183106
19.60962	-0.07285	-0.06754	-0.00885	0.099739
19.61434	0.05833	0.04462	0.004272	0.073564
19.61907	-0.24717	-0.16684	-0.05271	0.302829
19.62379	-0.07519	-0.21508	-0.0321	0.230095
19.62852	-0.10829	-0.15011	0.055977	0.193374
19.63324	-0.10092	-0.03613	0.194329	0.221931
19.63797	-0.14611	-0.16213	-0.11104	0.244875
19.6427	-0.18961	-0.3508	-0.2347	0.462705
19.64742	0.085014	-0.14814	-0.06307	0.182076
19.65215	0.049311	0.023264	0.115433	0.127662
19.65687	0.006706	-0.1843	0.070582	0.197468
19.6616	0.008187	-0.27632	0.03322	0.278432

19.66632	0.130459	-0.1528	-0.05129	0.20736
19.67105	0.144797	0.052775	-0.00103	0.154119
19.67578	0.18631	0.189001	0.028647	0.266934
19.6805	0.150476	0.16401	0.010618	0.222835
19.68523	0.128419	0.123752	0.042573	0.183353
19.68995	0.031607	0.132162	0.220187	0.258744
19.69468	-0.19613	-0.04763	-0.03794	0.205361
19.6994	0.038444	0.026875	-0.05544	0.07262
19.70413	0.188815	0.447765	-0.04904	0.488416
19.70886	0.00847	0.495243	0.013065	0.495487
19.71358	-0.16814	0.294146	-0.01314	0.339063
19.71831	-0.13307	0.349542	0.080694	0.382621
19.72303	-0.10688	0.562242	0.024255	0.572825
19.72776	-0.05249	0.748494	-0.0934	0.756124
19.73248	0.06805	0.896627	-0.06889	0.901841
19.73721	0.217279	0.826609	-0.07187	0.857705
19.74194	0.200601	0.289815	-0.05465	0.356679
19.74666	-0.0828	0.059463	-0.08861	0.135065
19.75139	0.060517	0.433538	0.199246	0.480954
19.75611	0.134832	0.977974	0.196398	1.006571
19.76084	-0.25317	1.698608	-0.13032	1.722309
19.76556	-0.26297	2.32061	-0.30481	2.35527
19.77029	0.186482	3.035443	-0.31056	3.056982
19.77502	0.359927	3.751419	-0.01371	3.76867
19.77974	0.397875	4.56121	0.468121	4.602399
19.78447	0.620322	5.190232	0.260833	5.233674
19.78919	0.523749	5.316648	0.18644	5.345636
19.79392	0.533534	5.51034	0.193395	5.539486
19.79864	0.207623	5.402528	0.58391	5.437956
19.80337	0.195767	5.169854	0.670428	5.216818
19.8081	0.329681	5.171706	-0.07602	5.182761
19.81282	0.071115	5.277547	-0.0532	5.278295
19.81755	-0.11103	5.361194	0.439195	5.380299
19.82227	-0.16121	5.366938	0.308432	5.37821
19.827	-0.12049	5.424224	0.207707	5.429536
19.83172	-0.13697	5.531187	0.234962	5.537869
19.83645	-0.21882	5.190227	-0.48349	5.217289
19.84118	-0.72588	4.52119	-1.64678	4.866206
19.8459	-0.60029	5.059992	-0.4355	5.114052
19.85063	-0.83494	5.039697	-0.57961	5.141169
19.85535	-0.30041	5.484693	0.356699	5.504483
19.86008	-0.43296	5.631885	-0.29384	5.65614
19.8648	-0.26746	5.265779	-2.04055	5.653655
19.86953	0.423651	4.78726	-1.04036	4.917284
19.87426	0.194284	4.058682	0.668387	4.117935
19.87898	0.821185	3.403391	1.782363	3.928642
19.88371	0.559748	3.405583	2.280801	4.13683
19.88843	0.599605	2.950334	1.079423	3.198304
19.89316	0.114373	2.576534	-0.43114	2.614859
19.89788	0.355931	2.110784	-1.11893	2.415386
19.90261	0.775701	1.430836	-1.27412	2.066975
19.90734	0.445533	0.71691	0.891438	1.227649

19.91206	0.235203	0.41125	0.677608	0.8268
19.91679	-0.53374	-0.48865	0.018364	0.723874
19.92151	-1.4827	-2.60539	-0.28638	3.011387
19.92624	-1.98066	-4.01143	-2.33059	5.044422
19.93096	-2.55386	-5.13482	-1.29174	5.878535
19.93569	-2.44995	-4.8877	1.723447	5.732549
19.94042	-1.68633	-5.25573	1.09156	5.626538
19.94514	-1.9489	-5.85342	-1.61035	6.376048
19.94987	-2.16058	-6.16287	-2.08038	6.853975
19.95459	-0.27894	-7.60031	-1.91652	7.843185
19.95932	-0.74986	-7.24629	-1.59036	7.456561
19.96404	-0.34104	-6.25644	1.131241	6.367027
19.96877	0.191319	-7.26595	1.852745	7.50089
19.9735	0.888284	-7.1806	0.718836	7.270959
19.97822	-0.04317	-5.65417	0.624738	5.688743
19.98295	1.332415	-5.39403	0.283422	5.563387
19.98767	1.988	-4.35267	-0.12796	4.786882
19.9924	2.094675	-3.89813	-0.06563	4.425761
19.99712	2.105145	-3.94598	0.045611	4.472633
20.00185	1.620008	-3.95329	0.085028	4.273186
20.00658	0.655685	-4.55038	0.347841	4.610515
20.0113	0.772936	-4.98329	0.661695	5.086105
20.01603	0.864022	-4.8866	0.585598	4.996832
20.02075	0.397481	-5.00321	0.434311	5.037727
20.02548	-0.04107	-5.14209	-0.0657	5.142669
20.0302	-0.2973	-5.38517	-0.36433	5.405657
20.03493	-0.2028	-5.60486	-0.34473	5.61911
20.03966	-0.3408	-5.61644	-0.18773	5.629906
20.04438	-0.51352	-5.49957	0.018044	5.523524
20.04911	-0.77	-5.4614	0.337069	5.525707
20.05383	-0.76205	-5.16291	0.261347	5.225386
20.05856	-1.02741	-2.2771	0.748493	2.607875
20.06328	1.288908	-1.2898	1.065336	2.111828
20.06801	0.771315	-3.1022	0.318309	3.212463
20.07274	1.192469	-3.97032	-0.49469	4.174945
20.07746	1.953091	-4.76237	-0.64229	5.18722
20.08219	1.22014	-5.09105	-0.8076	5.297144
20.08691	0.521236	-4.9358	-0.66441	5.007517
20.09164	0.153961	-4.87723	-0.3529	4.892399
20.09636	-0.40654	-4.87034	-0.0633	4.887685
20.10109	-0.6399	-4.92373	0.260585	4.97197
20.10582	-1.03735	-5.5488	0.450218	5.66286
20.11054	-0.90301	-6.04004	0.31697	6.115386
20.11527	-1.13705	-5.91959	0.285438	6.034563
20.11999	-1.19731	-5.85133	0.202547	5.976009
20.12472	-1.26887	-5.70013	0.310931	5.847924
20.12944	-1.30274	-5.6321	0.348664	5.791307
20.13417	-1.42744	-5.75364	0.333758	5.937451
20.1389	-1.3403	-5.46418	-0.23797	5.631188
20.14362	-0.89005	-5.40167	-0.05375	5.474766
20.14835	-0.91541	-4.5679	-0.58905	4.695815
20.15307	-0.8695	-3.5516	-0.47005	3.686575

20.1578	-0.60717	-3.60112	0.926147	3.767551
20.16252	-0.79757	-4.01183	0.414629	4.111303
20.16725	-0.1035	-3.91603	0.596747	3.962589
20.17198	0.350586	-2.80661	-0.80338	2.940305
20.1767	-1.25211	-2.43481	-1.5002	3.121967
20.18143	0.074762	-1.82467	-2.54971	3.136241
20.18615	-0.36817	-0.9414	-0.85791	1.325817
20.19088	-0.59649	-0.81921	0.449327	1.108517
20.1956	-0.33799	-0.91689	2.120392	2.334735
20.20033	-0.259	-0.62922	3.638645	3.701721
20.20506	-0.48009	-0.44698	1.213004	1.379004
20.20978	-0.64506	-0.03425	-3.86807	3.921634
20.21451	1.447087	2.836744	-3.07917	4.429724
20.21923	2.196337	3.78514	-1.30674	4.567137
20.22396	1.462578	3.405385	3.321504	4.976763
20.22868	-1.8474	0.546355	4.134467	4.561271
20.23341	-2.61059	-1.32957	0.736803	3.0209
20.23814	-2.36842	0.166414	-2.22755	3.255627
20.24286	-1.53897	2.213768	-3.5918	4.49113
20.24759	-0.04028	3.571369	-0.9084	3.685306
20.25231	1.086581	4.137595	1.752512	4.622948
20.25704	0.303925	3.233459	1.611637	3.625604
20.26176	0.165359	2.963007	0.43372	2.999144
20.26649	0.074493	2.952956	-0.64355	3.023187
20.27122	0.341579	3.615258	-0.67504	3.693569
20.27594	0.40776	3.574585	-1.48554	3.892397
20.28067	0.652327	3.450692	-0.08203	3.512767
20.28539	0.900911	3.746811	0.695922	3.915934
20.29012	0.594519	3.560802	0.574327	3.655491
20.29484	0.733076	3.901227	-0.18162	3.973658
20.29957	0.364095	3.40431	-0.69401	3.493357
20.3043	0.475038	3.754353	-1.29294	3.999064
20.30902	0.481418	3.768453	-0.43454	3.82385
20.31375	0.882659	3.706976	1.209005	3.997806
20.31847	0.967546	3.499311	0.889632	3.738016
20.3232	0.625609	3.481709	-0.26219	3.547171
20.32792	0.690474	3.382916	-0.51636	3.491061
20.33265	0.738407	3.461683	-0.41772	3.564124
20.33738	0.718061	3.484829	0.106184	3.559623
20.3421	0.797818	3.303311	0.505143	3.435629
20.34683	0.800094	3.076163	0.836679	3.286786
20.35155	0.737721	2.892953	0.554802	3.036645
20.35628	0.693273	2.88742	-0.01708	2.969531
20.361	0.766456	2.901969	-0.31938	3.018424
20.36573	0.696362	2.837227	-0.21861	2.929602
20.37046	0.513932	2.674631	-0.09167	2.725102
20.37518	0.428529	2.455886	0.080506	2.494292
20.37991	0.259684	2.244491	0.150904	2.264498
20.38463	0.117367	2.151687	0.09097	2.156805
20.38936	-0.1587	1.931243	-0.02625	1.93793
20.39408	-0.26847	1.673019	-0.05967	1.695474
20.39881	-0.5396	1.308976	-0.09903	1.419293

20.40354	-0.58123	0.90151	-0.14671	1.08262
20.40826	-0.31555	0.340602	-0.11426	0.478162
20.41299	-0.21495	-0.00591	0.046001	0.2199
20.41771	-0.00456	0.103071	0.15468	0.185931
20.42244	0.126856	0.247686	0.166436	0.324256
20.42716	0.178132	0.193967	0.002527	0.263364
20.43189	0.167207	0.189677	-0.11099	0.276141
20.43662	0.192128	0.143743	-0.12041	0.268463
20.44134	0.183486	0.091882	-0.039	0.208879
20.44607	0.197458	0.068668	0.004072	0.209097
20.45079	0.206632	0.011999	0.036331	0.210144
20.45552	0.128719	-0.06252	0.026731	0.145574
20.46024	0.092697	-0.11658	-0.02707	0.151378
20.46497	0.012522	-0.25185	-0.04018	0.25534
20.4697	-0.07831	-0.32604	-0.00905	0.335434
20.47442	-0.10206	-0.35721	0.001715	0.371508
20.47915	-0.14971	-0.39676	-0.00426	0.424092
20.48387	-0.17353	-0.36458	-0.02337	0.404447
20.4886	-0.14588	-0.36709	-0.01736	0.395395
20.49332	-0.10518	-0.32308	0.034042	0.34147
20.49805	-0.07284	-0.33654	0.059095	0.349365
20.50278	-0.06793	-0.30718	0.057828	0.319871
20.5075	-0.12998	-0.42729	0.037443	0.448194
20.51223	-0.18116	-0.48755	0.003941	0.52013
20.51695	-0.17856	-0.4773	-0.00682	0.509647
20.52168	-0.15806	-0.47545	0.009918	0.501137
20.5264	-0.12564	-0.41157	0.017076	0.430656
20.53113	-0.12432	-0.35617	0.033782	0.378754
20.53586	-0.09082	-0.32945	0.036129	0.343644
20.54058	-0.06086	-0.24558	0.019353	0.253748
20.54531	-0.01421	-0.18095	0.018132	0.182406
20.55003	0.006048	-0.18571	0.010939	0.186133
20.55476	-0.00473	-0.16894	0.007339	0.169162
20.55948	0.007172	-0.17138	-0.00104	0.171537
20.56421	0.026233	-0.15945	-0.00821	0.1618
20.56894	0.023748	-0.15591	0.000166	0.157704
20.57366	-0.0002	-0.16912	0.004944	0.169197
20.57839	-0.00016	-0.16318	0.002547	0.1632
20.58311	0.014128	-0.17514	0.003737	0.175748
20.58784	-0.01449	-0.19663	-0.01061	0.197447
20.59256	0.003477	-0.20264	-0.00343	0.202702
20.59729	0.035745	-0.22168	-0.02015	0.225448
20.60202	0.048854	-0.21567	-0.0261	0.222674
20.60674	0.038217	-0.20852	-0.00456	0.212043
20.61147	0.05623	-0.20367	-0.02487	0.212746
20.61619	0.08257	-0.23945	-0.00811	0.253413
20.62092	0.077766	-0.23104	-0.0081	0.24391
20.62564	0.056268	-0.21793	0.001467	0.225085
20.63037	0.02033	-0.17137	0.007438	0.172734
20.6351	0.049004	-0.13436	-0.02483	0.145155
20.63982	0.07642	-0.13548	-0.03078	0.158566
20.64455	0.058436	-0.12584	-0.02716	0.141377

20.64927	0.029677	-0.12101	0.003945	0.124662
20.654	0.026076	-0.09709	0.013498	0.101433
20.65872	0.01171	-0.07438	0.020651	0.078073
20.66345	0.0118	-0.0767	-0.02	0.080138
20.66818	-0.00606	-0.07539	-0.00683	0.075942
20.6729	-0.0108	-0.08364	0.00632	0.084575
20.67763	0.017923	-0.08709	-0.01519	0.090206
20.68235	0.000152	-0.09172	0.013504	0.092706
20.68708	-0.00095	-0.08927	-0.00563	0.089449
20.6918	-0.03312	-0.07597	-0.00084	0.082878
20.69653	-0.0079	-0.07935	-0.02354	0.08315
20.70126	0.025574	-0.11864	-0.02232	0.123403
20.70598	0.013585	-0.11846	-0.00915	0.119591
20.71071	0.02676	-0.1446	0.011178	0.147482
20.71543	0.038767	-0.13613	-0.00557	0.141648
20.72016	0.03999	-0.1718	-0.00795	0.176574
20.72488	0.041197	-0.17883	0.005206	0.183583
20.72961	0.060298	-0.1906	-0.0187	0.200787
20.73434	0.054239	-0.20351	-0.0127	0.210994
20.73906	0.038614	-0.20446	-0.00671	0.208182
20.74379	0.028969	-0.18039	-0.01507	0.183318
20.74851	0.031285	-0.21239	-0.00668	0.214787
20.75324	0.044296	-0.19899	-0.02101	0.204943
20.75796	0.028682	-0.17726	0.023225	0.18106
20.76269	0.016673	-0.15559	-0.0007	0.156487
20.76742	-0.01436	-0.15788	0.016026	0.159343
20.77214	0.007218	-0.17684	-0.01267	0.177444
20.77687	-0.00832	-0.1348	0.020802	0.136644
20.78159	0.002461	-0.13586	0.014802	0.136686
20.78632	0.007271	-0.13344	0.030317	0.137031
20.79104	0.038404	-0.17877	0.012356	0.183267
20.79577	0.038303	-0.20372	0.019508	0.208206
20.8005	0.081275	-0.25494	0.017093	0.268128
20.80522	0.082441	-0.27746	0.018267	0.290025
20.80995	0.087275	-0.2975	0.003906	0.310066
20.81467	0.083681	-0.3128	-0.00327	0.323814
20.8194	0.076422	-0.2768	-0.02	0.287856
20.82412	0.076369	-0.2873	-0.02355	0.298211
20.82885	0.14576	-0.31456	-0.03878	0.34885
20.83358	0.088837	-0.27515	-0.00405	0.28916
20.8383	0.104803	-0.26822	0.00666	0.288046
20.84303	0.083896	-0.31122	0.010163	0.322495
20.84775	0.088092	-0.29099	0.004147	0.304059
20.85248	0.061475	-0.27327	-0.00419	0.280127
20.8572	0.025645	-0.24377	0.008896	0.245278
20.86193	0.041047	-0.39252	0.000517	0.394658
20.86666	-0.01169	-0.42278	-0.04458	0.425281
20.87138	0.038292	-0.28314	0.022233	0.286578
20.87611	0.0038	-0.28452	0.042216	0.287661
20.88083	0.021772	-0.37379	-0.02102	0.375014
20.88556	-0.00546	-0.3923	0.019496	0.392827
20.89028	-0.10256	-0.54701	0.000349	0.556543

20.89501	-0.39964	-0.78936	-0.09695	0.890061
20.89974	0.004702	-0.50164	-0.02614	0.502347
20.90446	0.079265	-0.17598	-0.00219	0.193024
20.90919	0.019448	-0.28705	-0.03658	0.290024
20.91391	0.006573	-0.51694	-0.00067	0.516982
20.91864	-0.02999	-0.55763	0.019505	0.558773
20.92336	-0.09474	-0.55415	0.0407	0.563659
20.92809	-0.03683	-0.47124	0.014261	0.472889
20.93282	-0.05657	-0.42689	-0.0428	0.43274
20.93754	0.011498	-0.35553	-0.03533	0.357468
20.94227	-0.02172	-0.39984	-0.04215	0.402645
20.94699	-0.06287	-0.40218	-0.01569	0.407363
20.95172	-0.11435	-0.50174	-0.01081	0.514718
20.95644	-0.14646	-0.46665	0.040302	0.490749
20.96117	-0.1059	-0.41402	0.04353	0.42956
20.9659	-0.0226	-0.45196	0.013514	0.452724
20.97062	0.029446	-0.4552	0.172395	0.487644
20.97535	-0.25896	-0.63144	0.026186	0.682985
20.98007	-0.07285	-0.65841	-0.07729	0.666926
20.9848	0.345138	-0.21944	0.060966	0.413508
20.98952	0.16551	0.064629	-0.127	0.218403
20.99425	0.04591	-0.18456	-0.19593	0.273053
20.99898	-0.06301	-0.66671	0.002665	0.669689
21.0037	-0.0811	-0.74566	0.139082	0.76284
21.00843	0.10726	-0.43754	0.155708	0.476644
21.01315	0.130754	-0.01303	0.109326	0.170934
21.01788	0.106052	0.021085	0.08824	0.139563
21.0226	-0.27882	-0.40836	-0.20557	0.535501
21.02733	0.198684	-0.25171	-0.04609	0.323973
21.03206	0.370014	0.308388	0.083595	0.488878
21.03678	0.272	0.357731	-0.03694	0.45091
21.04151	0.072066	0.035782	-0.1351	0.157242
21.04623	-0.00971	-0.2575	0.025021	0.258894
21.05096	-0.03882	-0.12883	0.122096	0.181692
21.05568	0.111751	0.084009	0.244464	0.281618
21.06041	-0.09225	0.017162	0.076305	0.120941
21.06514	0.077614	-0.0291	-0.18537	0.203061
21.06986	0.252331	0.143693	-0.09842	0.306603
21.07459	0.318828	0.499297	-0.1249	0.605432
21.07931	0.206176	0.518788	-0.01114	0.558367
21.08404	0.027288	0.219005	0.111161	0.247113
21.08876	-0.0337	0.011507	0.175489	0.179067
21.09349	0.061386	0.079541	0.201312	0.224992
21.09822	-0.06464	0.203589	0.09877	0.235335
21.10294	-0.02536	0.11758	-0.14886	0.191382
21.10767	0.249818	0.269877	-0.11323	0.384791
21.11239	0.249851	0.57684	-0.17518	0.652577
21.11712	0.18229	0.535256	-0.20338	0.60091
21.12184	0.148808	0.349513	-0.08541	0.389356
21.12657	0.11341	0.2933	0.102762	0.330827
21.1313	0.143628	0.21239	0.165974	0.305427
21.13602	0.042934	0.314401	0.217971	0.384971

21.14075	-0.03135	0.344053	0.053596	0.349611
21.14547	-0.02927	0.398151	-0.01213	0.399409
21.1502	0.06298	0.688015	-0.02154	0.691227
21.15492	0.036958	0.853518	-0.11629	0.862196
21.15965	-0.02898	0.822161	-0.10228	0.829006
21.16438	-0.12268	0.705671	0.0006	0.716256
21.1691	-0.14917	0.574601	0.076519	0.598558
21.17383	-0.12159	0.636632	0.13757	0.662578
21.17855	-0.23955	0.674164	0.120987	0.725616
21.18328	-0.19272	0.69229	-0.03664	0.719548
21.188	-0.23245	0.676404	0.020605	0.715527
21.19273	-0.38839	0.664503	-0.19194	0.793253
21.19746	-0.37576	0.627017	-0.24255	0.770179
21.20218	-0.48064	0.530866	-0.15747	0.733232
21.20691	-0.31776	0.294426	-0.11107	0.447208
21.21163	-0.09555	-0.01253	0.000196	0.096366
21.21636	0.026351	0.130084	0.162739	0.21
21.22108	0.142582	0.356798	0.192233	0.429637
21.22581	0.174833	0.523506	0.080293	0.557738
21.23054	0.072594	0.841013	-0.08054	0.847974
21.23526	-0.21041	1.511051	-0.12614	1.530837
21.23999	-0.0023	2.16902	-0.17729	2.176255
21.24471	0.443789	2.730774	-0.17818	2.772332
21.24944	0.800748	3.211125	-0.14229	3.312516
21.25416	0.926135	3.578544	-0.04856	3.696764
21.25889	1.152672	3.966552	0.121169	4.132417
21.26362	0.996913	4.522003	0.052894	4.63089
21.26834	1.057233	4.869516	0.024134	4.983022
21.27307	1.090277	5.037624	0.151945	5.156496
21.27779	0.783607	5.124554	-0.04901	5.184351
21.28252	0.196632	5.612099	-0.18041	5.61844
21.28724	0.182822	6.190593	-0.25311	6.198462
21.29197	-0.13151	6.931109	0.025596	6.932404
21.2967	-0.25128	7.410436	0.115147	7.415589
21.30142	-0.36008	7.973526	0.353961	7.989497
21.30615	-0.40043	8.270647	0.821903	8.321026
21.31087	-0.7704	8.740883	0.744398	8.806286
21.3156	-1.28947	9.666347	0.756619	9.781281
21.32032	-1.04185	10.29378	0.27175	10.34994
21.32505	-0.76076	9.916691	1.070869	10.00331
21.32978	-0.88336	9.16993	1.364758	9.312922
21.3345	-1.47851	8.325857	0.047523	8.456249
21.33923	-0.99259	7.609333	0.267377	7.678455
21.34395	-0.44964	7.072218	-1.93406	7.34568
21.34868	-0.11439	6.014578	-2.97614	6.711604
21.3534	-0.14218	4.701613	-1.48613	4.932948
21.35813	-0.41789	3.836771	-2.29829	4.491946
21.36286	0.002591	2.342641	-1.09714	2.58683
21.36758	0.583185	0.560913	2.85213	2.964688
21.37231	0.204822	-0.43444	3.303822	3.338552
21.37703	-0.34348	-0.68708	2.200404	2.330629
21.38176	-0.11084	-0.75219	-0.32242	0.825855

21.38648	0.212969	-1.30334	-2.28892	2.642574
21.39121	0.871968	-2.07688	-1.00638	2.467097
21.39594	0.696225	-2.16356	-0.24404	2.285889
21.40066	1.110775	-2.01654	-0.51622	2.359398
21.40539	0.425596	-3.67868	0.504821	3.737469
21.41011	-0.04386	-5.35615	-2.43542	5.884008
21.41484	-1.8806	-6.69358	-1.20291	7.05604
21.41956	-1.79241	-7.94616	0.799983	8.184994
21.42429	0.669099	-7.91476	-0.67445	7.971573
21.42902	0.784398	-8.2206	-1.46593	8.387038
21.43374	0.338039	-8.55734	-0.53812	8.580907
21.43847	-0.51617	-9.63044	-0.234	9.647103
21.44319	1.400262	-10.4205	0.430633	10.52301
21.44792	-0.69558	-10.8193	1.25816	10.91444
21.45264	-1.41624	-10.4369	0.902892	10.57116
21.45737	-1.23341	-10.1503	1.70117	10.36551
21.4621	-1.46145	-10.2646	0.752672	10.39536
21.46682	-2.12363	-10.5955	0.215219	10.80834
21.47155	-2.29593	-10.6677	-0.04434	10.91211
21.47627	-1.98559	-9.88016	-0.57005	10.09381
21.481	0.69338	-9.18783	-0.61233	9.234281
21.48572	0.29707	-9.12659	-0.61511	9.152116
21.49045	0.201851	-8.04695	0.010627	8.049488
21.49518	1.110039	-6.28237	0.665432	6.414297
21.4999	1.144414	-4.80805	0.994367	5.041404
21.50463	-0.17643	-1.38934	1.220103	1.857433
21.50935	0.267307	-2.06264	0.441831	2.126299
21.51408	1.182403	-4.73326	-0.28049	4.886772
21.5188	0.767975	-5.6446	-0.83341	5.757243
21.52353	-0.00075	-5.4464	-0.67227	5.487734
21.52826	-0.03151	-5.49861	-0.54358	5.525499
21.53298	0.067522	-5.79111	-0.16293	5.793792
21.53771	0.272851	-6.46185	0.317602	6.475405
21.54243	0.530638	-6.62193	0.491607	6.661326
21.54716	0.127796	-6.95612	0.700025	6.992427
21.55188	-0.78976	-8.04769	0.117141	8.087192
21.55661	-1.6991	-8.9236	-0.54148	9.100041
21.56134	-2.08466	-9.23098	-0.51577	9.47749
21.56606	-2.21997	-8.40633	0.251945	8.69817
21.57079	-1.59314	-7.52333	0.204931	7.692888
21.57551	-1.20811	-6.98317	0.833077	7.135701
21.58024	-1.39822	-6.8669	1.551252	7.177443
21.58496	-2.06122	-7.68998	-0.51204	7.977888
21.58969	-1.55895	-6.71378	-1.11972	6.982763
21.59442	-0.7794	-4.92281	-0.61176	5.021526
21.59914	-0.61069	-4.25452	0.085556	4.298974
21.60387	-0.19417	-4.087	-1.37358	4.316015
21.60859	-1.10958	-3.48201	-0.14341	3.65734
21.61332	0.389055	-2.83443	-1.8339	3.398314
21.61804	0.051541	-1.76635	-0.36649	1.80471
21.62277	0.087444	-1.01622	1.310464	1.66062
21.6275	0.772272	-0.17407	4.49906	4.568177

21.63222	2.862653	1.506686	-0.06292	3.235559
21.63695	1.995753	3.083798	-2.0691	4.215926
21.64167	-1.02128	1.993439	-1.87402	2.920403
21.6464	-3.29641	0.329799	0.378404	3.334408
21.65112	-0.81462	1.116505	2.123589	2.533735
21.65585	0.142424	2.203349	0.554176	2.276432
21.66058	0.46376	3.653691	-0.75274	3.759141
21.6653	0.931358	4.582452	-1.80099	5.010975
21.67003	1.073893	4.905308	-0.50588	5.046901
21.67475	1.261977	4.953141	0.613086	5.148015
21.67948	1.76341	5.055265	1.425916	5.540628
21.6842	1.021139	4.935605	0.662889	5.083536
21.68893	-0.59636	3.571442	-1.73374	4.014562
21.69366	-0.81665	3.520025	-2.2071	4.234242
21.69838	-0.60618	3.998084	-0.16105	4.046982
21.70311	-0.29083	4.400244	1.122449	4.550453
21.70783	-0.27856	4.297239	0.911899	4.401752
21.71256	-0.44563	4.293637	-1.13132	4.462488
21.71728	-0.44045	4.544475	-1.333	4.756379
21.72201	-0.09208	4.390734	-0.53908	4.424661
21.72674	0.017888	4.185017	0.833364	4.267221
21.73146	0.100266	4.135452	0.748674	4.203871
21.73619	0.229967	4.435232	0.114431	4.442664
21.74091	0.409629	4.527596	0.03064	4.546192
21.74564	0.637891	4.373992	0.244476	4.427017
21.75036	0.617699	4.313197	0.616969	4.400667
21.75509	0.640499	4.157031	0.181236	4.209987
21.75982	0.494853	4.015643	0.020883	4.046073
21.76454	0.372889	3.914318	-0.25399	3.940233
21.76927	0.388671	3.911445	-0.15928	3.933934
21.77399	0.387461	3.739269	-0.10053	3.760634
21.77872	0.330469	3.456527	-0.07412	3.47308
21.78344	0.349263	3.270904	0.130303	3.292077
21.78817	0.522102	3.1916	0.152843	3.237633
21.7929	0.693471	3.2758	0.151457	3.351821
21.79762	0.894636	3.175888	0.090326	3.300727
21.80235	1.020283	2.941297	0.000595	3.113231
21.80707	1.039778	2.620214	-0.06393	2.819707
21.8118	0.127186	0.451687	-0.32672	0.571792
21.81652	-0.33804	-0.03787	-0.23789	0.415091
21.82125	0.1459	0.434551	0.252317	0.523245
21.82598	0.158527	0.589485	0.31294	0.68597
21.8307	0.213185	0.607239	0.049666	0.645488
21.83543	0.211796	0.567063	-0.14636	0.622767
21.84015	0.356372	0.39819	-0.18322	0.56491
21.84488	0.254739	0.206787	0.022544	0.328879
21.8496	0.112677	0.142089	0.089437	0.202199
21.85433	0.145248	0.024843	0.10845	0.182963
21.85906	0.156213	-0.1018	-0.0052	0.186528
21.86378	0.107346	-0.15407	-0.03028	0.190204
21.86851	0.077686	-0.23379	-0.00036	0.246356
21.87323	-0.01052	-0.32558	0.05461	0.330291

21.87796	-0.00926	-0.32451	0.059324	0.330018
21.88268	0.143575	-0.13614	0.115412	0.229057
21.88741	0.220955	-0.10324	0.026843	0.245357
21.89214	0.165729	-0.1815	-0.00306	0.245798
21.89686	0.026914	-0.37564	0.014866	0.376893
21.90159	-0.07104	-0.54934	0.060255	0.557181
21.90631	-0.1522	-0.63699	0.044645	0.656444
21.91104	-0.14481	-0.64202	-0.00799	0.658199
21.91576	-0.122	-0.52767	-0.03068	0.542457
21.92049	-0.08492	-0.53529	-0.04498	0.543842
21.92522	-0.0765	-0.54648	-0.01505	0.552013
21.92994	-0.13258	-0.56125	0.004085	0.57671
21.93467	-0.15276	-0.59169	0.017222	0.611336
21.93939	-0.18249	-0.58991	0.014812	0.617669
21.94412	-0.25046	-0.60845	-0.00911	0.658044
21.94884	-0.30887	-0.61028	-0.03897	0.685101
21.95357	-0.354	-0.64798	-0.021	0.738674
21.9583	-0.35608	-0.59725	0.014873	0.695502
21.96302	-0.34136	-0.5658	0.014853	0.660969
21.96775	-0.1834	-0.36242	0.004075	0.406206
21.97247	0.030657	-0.10412	0.045891	0.117846
21.9772	-0.01122	-0.19969	-0.01869	0.200873
21.98192	-0.00753	-0.1435	0.030322	0.146864
21.98665	-0.00158	-0.15554	0.041037	0.160871
21.99138	-0.00398	-0.13769	0.018282	0.138958
21.9961	0.000785	-0.15696	-0.01161	0.157396
22.00083	0.005557	-0.18448	-0.03072	0.187102
22.00555	0.012727	-0.16888	-0.01754	0.170268
22.01028	0.023473	-0.19031	-0.01393	0.192257
22.015	0.017504	-0.17943	-0.00555	0.180368
22.01973	0.016408	-0.17814	-0.00554	0.178979
22.02446	0.016395	-0.18154	-0.03302	0.18525
22.02918	0.022385	-0.19093	-0.027	0.194129
22.03391	0.033133	-0.21336	-0.01144	0.216217
22.03863	0.017551	-0.20237	-0.01142	0.203446
22.04336	0.043811	-0.18427	0.006516	0.189523
22.04808	0.031857	-0.18771	-0.00425	0.190446
22.05281	0.017485	-0.16004	-0.0126	0.161485
22.05754	0.028253	-0.15384	-0.00542	0.156503
22.06226	0.012719	-0.16327	0.0149	0.164446
22.06699	0.021202	-0.17271	0.016077	0.174753
22.07171	0.014056	-0.16418	-0.00665	0.164912
22.07644	0.009337	-0.14608	0.018456	0.147534
22.08116	-0.00017	-0.14109	0.004095	0.141145
22.08589	-0.02999	-0.14686	-0.00905	0.150161
22.09062	-0.01201	-0.17647	-0.01262	0.177332
22.09534	-0.01317	-0.18096	-0.01261	0.181879
22.10007	-0.01676	-0.1783	0.001747	0.179099
22.10479	-0.01791	-0.16605	-0.00662	0.167142
22.10952	0.00842	-0.15379	0.011315	0.154438
22.11424	0.038304	-0.17255	0.006522	0.17687
22.11897	0.023953	-0.16022	-0.00066	0.161998

22.1237	0.032465	-0.16584	0.017271	0.169864
22.12842	0.025375	-0.14759	0.024422	0.151735
22.13315	0.01946	-0.17239	0.013638	0.174017
22.13787	0.017124	-0.18637	0.005257	0.187227
22.1426	0.024335	-0.17047	-0.0067	0.172332
22.14732	0.014767	-0.16419	0.023184	0.166473
22.15205	0.008838	-0.18303	0.001649	0.183252
22.15678	0.016018	-0.19108	-0.02584	0.193485
22.1615	0.001666	-0.20392	-0.01146	0.204246
22.16623	0.008827	-0.21076	-0.01862	0.211765
22.17095	-0.00069	-0.20206	-0.00545	0.202137
22.17568	0.006385	-0.18498	-0.015	0.185699
22.1804	-0.01753	-0.19784	-0.01618	0.199271
22.18513	0.025433	-0.17965	-0.0066	0.181564
22.18986	0.013444	-0.15314	-0.02213	0.155313
22.19458	0.005	-0.15413	0.008967	0.15447
22.19931	-0.00221	-0.16716	0.008955	0.167419
22.20403	0.010844	-0.14432	0.011333	0.145173
22.20876	0.010823	-0.1716	0.012513	0.172393
22.21348	0.012054	-0.14997	0.007718	0.150654
22.21821	0.022843	-0.14622	0.000539	0.14799
22.22294	0.012068	-0.15679	0.007708	0.15744
22.22766	0.025247	-0.16611	-0.00425	0.168071
22.23239	0.010827	-0.17186	-0.00066	0.172205
22.23711	0.033525	-0.16802	-0.00305	0.171361
22.24184	0.013149	-0.16537	-0.01499	0.166565
22.24656	0.038177	-0.1639	-0.0102	0.168592
22.25129	0.021436	-0.18392	-0.0054	0.185244
22.25602	0.049697	-0.16682	0.002948	0.174093
22.26074	0.032694	-0.16412	-0.02318	0.168943
22.26547	0.040679	-0.17326	-0.02417	0.179609
22.27019	3.55E-05	-0.15505	-0.01804	0.1561
22.27492	0.020184	-0.14521	-0.00721	0.146778
22.27964	0.015263	-0.15213	-0.00715	0.153062
22.28437	0.015115	-0.15061	-0.01539	0.152149
22.2891	-0.0064	-0.15506	0.003721	0.155242
22.29382	-0.00515	-0.16545	0.007251	0.165694
22.29855	0.003271	-0.14136	-0.01298	0.141997
22.30327	0.010439	-0.14238	-0.01643	0.143701
22.308	0.017547	-0.10907	-0.01036	0.110958
22.31272	0.013946	-0.12945	0.000408	0.130196
22.31745	0.02577	-0.12471	0.000405	0.127344
22.32218	0.019741	-0.11872	-0.02807	0.123585
22.3269	0.007774	-0.11875	-0.0219	0.121004
22.33163	0.017234	-0.1579	0.015061	0.159552
22.33635	0.030244	-0.12791	-0.00286	0.13147
22.34108	0.018314	-0.12542	0.014967	0.127628
22.3458	0.045636	-0.10749	0.004168	0.116852
22.35053	0.01814	-0.08851	-0.00535	0.090513
22.35526	0.040829	-0.08632	0.007746	0.095802
22.35998	0.038455	-0.09601	0.029043	0.107422
22.36471	0.034998	-0.08427	0.039484	0.099425

22.36943	0.043448	-0.07507	0.021364	0.089332
22.37416	0.082701	-0.05639	0.015262	0.101253
22.37888	0.140692	0.048666	0.019887	0.150194
22.38361	0.054498	-0.00017	-0.00875	0.055196
22.38834	0.059303	-0.05458	-0.00867	0.081062
22.39306	0.046354	-0.04212	0.022257	0.066468
22.39779	0.038201	-0.03568	0.023263	0.057213
22.40251	-0.01276	-0.09112	-0.02557	0.095501
22.40724	0.004222	-0.13183	-0.0218	0.133686
22.41196	-0.02879	-0.09399	-0.01093	0.098905
22.41669	0.042828	0.015876	-0.0322	0.055884
22.42142	0.134522	0.130872	0.05706	0.196162
22.42614	0.159302	0.134604	0.080322	0.223488
22.43087	0.231213	0.228399	0.098644	0.339641
22.43559	0.465849	0.422021	-0.01845	0.628854
22.44032	0.49626	0.725725	-0.08592	0.883364
22.44504	0.930984	1.11126	-0.12673	1.455229
22.44977	0.149701	0.293141	-0.07466	0.337514
22.4545	0.063358	0.144854	0.08851	0.181193
22.45922	-0.07493	-0.08645	0.192188	0.223659
22.46395	-0.07632	-0.0857	0.20721	0.236864
22.46867	-0.1373	-0.09213	0.093966	0.190182
22.4734	-0.25513	-0.00982	-0.02664	0.256702
22.47812	0.058855	0.235591	-0.02997	0.244674
22.48285	-0.03624	0.288275	-0.02852	0.291941
22.48758	-0.30231	0.488518	0.096303	0.582506
22.4923	-0.15517	0.168728	0.101442	0.250673
22.49703	-0.52858	0.115267	-0.28024	0.609274
22.50175	-0.50698	-0.4385	-0.05959	0.67295
22.50648	-0.76789	-0.16349	-0.00451	0.785111
22.5112	-0.79818	-0.43633	-0.10532	0.915738
22.51593	-0.22552	-0.22979	-0.03563	0.323927
22.52066	-0.04899	0.151438	-0.03891	0.163852
22.52538	-0.49032	-0.07088	-0.18809	0.529918
22.53011	-0.21485	-0.23725	-0.14738	0.352377
22.53483	-0.4607	-0.48675	0.118419	0.680583
22.53956	-0.78159	-0.81053	0.130469	1.133513
22.54428	-0.43841	-0.93308	-0.00232	1.030946
22.54901	-0.27121	-1.19322	-0.06637	1.225448
22.55374	-0.12684	-1.23567	0.07774	1.244595
22.55846	0.163485	-1.17924	0.008274	1.190543
22.56319	0.387184	-0.93569	-0.12824	1.020718
22.56791	0.404939	-0.54724	0.015193	0.680939
22.57264	0.338141	-0.24853	0.00438	0.419676
22.57736	0.359779	-0.08272	-0.01939	0.369674
22.58209	0.219615	-0.05001	-0.02042	0.226161
22.58682	0.193472	-0.11264	0.062787	0.232512
22.59154	0.159129	-0.13558	0.057508	0.216818
22.59627	0.313906	-0.14424	0.061765	0.350939
22.60099	0.73224	0.271909	0.126497	0.791272
22.60572	0.769015	0.780875	0.104088	1.100901
22.61044	0.128635	0.699677	-0.19221	0.736911

22.61517	-0.10383	0.369954	0.031259	0.385517
22.6199	-0.19224	0.205249	0.091502	0.295727
22.62462	-0.15552	0.09894	0.109715	0.214504
22.62935	-0.18084	-0.00967	-0.34561	0.390183
22.63407	-0.00632	-0.10792	0.071338	0.129522
22.6388	-0.04913	-0.09287	0.05769	0.119855
22.64352	-0.09487	-0.1347	0.083313	0.184623
22.64825	-0.06315	-0.10021	-0.09535	0.152053
22.65298	-0.04957	-0.11217	-0.02811	0.125814
22.6577	-0.07873	-0.13955	0.017215	0.16115
22.66243	-0.09581	-0.17751	0.024192	0.203165
22.66715	-0.0641	-0.16648	-0.01872	0.179373
22.67188	-0.05154	-0.16147	-0.01619	0.170269
22.6766	-0.01666	-0.15067	0.045643	0.158306
22.68133	-0.01407	-0.12695	0.00255	0.127757
22.68606	0.027615	-0.06661	0.05236	0.089113
22.69078	0.070147	-0.0507	-0.06316	0.107145
22.69551	0.1053	0.108437	0.141432	0.207002
22.70023	-0.01822	-0.03379	-0.12314	0.12899
22.70496	0.040401	0.187161	0.03687	0.194989
22.70968	-0.03712	0.089561	-0.03344	0.102554
22.71441	0.022681	0.148073	0.077181	0.168514
22.71914	-0.10451	0.118257	-0.03499	0.161649
22.72386	-0.1842	0.066242	-0.04537	0.200938
22.72859	-0.2003	0.116694	0.055853	0.238446
22.73331	-0.16908	0.111997	0.020977	0.203889
22.73804	-0.20554	0.07187	-0.00292	0.217761
22.74276	-0.16231	0.046385	-0.06104	0.179502
22.74749	-0.1597	0.041186	0.02015	0.166156
22.75222	-0.07651	0.085894	0.019982	0.116751
22.75694	0.059434	-0.05711	-0.03713	0.090403
22.76167	0.189577	-0.0911	0.052161	0.216703
22.76639	0.202119	-0.13787	0.012572	0.244986
22.77112	0.19442	-0.11414	-0.03618	0.22833
22.77584	0.199801	-0.04549	-0.01215	0.205274
22.78057	0.133877	-0.0665	0.033036	0.15309
22.7853	0.040085	-0.03392	0.000726	0.052515
22.79002	-0.0494	-0.02881	-0.02182	0.061213
22.79475	-0.12756	-0.13409	-0.02402	0.186625
22.79947	-0.2062	-0.09734	0.01296	0.228385
22.8042	-0.25222	-0.17728	0.000985	0.30829
22.80892	-0.23247	-0.19482	-0.00021	0.303312
22.81365	-0.25919	-0.2833	-0.01089	0.384132
22.81838	-0.30465	-0.40313	-0.00368	0.505317
22.8231	-0.22142	-0.36295	0.017706	0.425529
22.82783	-0.13813	-0.36345	0.004502	0.388835
22.83255	-0.17971	-0.38415	-0.00858	0.424193
22.83728	-0.05742	-0.18636	0.02945	0.197216
22.842	-0.00498	-0.00566	-0.01588	0.017581
22.84673	0.018497	0.159254	-0.00982	0.160625
22.85146	0.053814	0.125927	-0.00025	0.136944
22.85618	0.118359	0.154628	-0.00974	0.194971

22.86091	0.046976	0.026489	-0.03221	0.062815
22.86563	-0.00346	-0.12314	-0.0177	0.124457
22.87036	-0.0452	-0.21219	0.010918	0.217229
22.87508	-0.1021	-0.36342	-0.05087	0.3809
22.87981	-0.1195	-0.44561	-0.04096	0.463174
22.88454	-0.03583	-0.56267	0.000906	0.563809
22.88926	-0.0122	-0.69428	0.008015	0.694432
22.89399	0.046857	-0.77136	-0.00985	0.772845
22.89871	0.042435	-0.78957	-0.02875	0.791231
22.90344	-0.00959	-0.74598	-0.04513	0.747409
22.90816	0.036052	-0.63401	0.02643	0.635588
22.91289	-0.04795	-0.61316	-0.02363	0.615489
22.91762	-0.04237	-0.45956	-0.01394	0.461719
22.92234	-0.0108	-0.2775	-0.01146	0.277951
22.92707	-0.05418	-0.25239	-0.03391	0.26036
22.93179	-0.09608	-0.1716	-0.02058	0.197746
22.93652	-0.05093	-0.1556	-0.03227	0.166873
22.94124	-0.03556	-0.14576	0.071216	0.166082
22.94597	0.01296	-0.04708	0.050451	0.07021
22.9507	0.087137	0.062672	0.002572	0.107365
22.95542	0.110821	0.112117	-0.0283	0.160163
22.96015	0.185533	0.034261	0.018208	0.189546
22.96487	0.217033	-0.00147	0.093989	0.236515
22.9696	0.235371	-0.00972	0.046936	0.240202
22.97432	0.259609	-0.03561	0.008581	0.26218
22.97905	0.288468	-0.02216	0.018005	0.289878
22.98378	0.340858	0.019615	0.029723	0.342714
22.9885	0.41302	0.024325	0.030666	0.414871
22.99323	0.434644	0.018267	0.0055	0.435063
22.99795	0.496402	0.092999	0.007831	0.505099
23.00268	0.575229	0.131638	-0.01715	0.590348
23.0074	0.580711	0.086929	-0.04785	0.589128
23.01213	0.571595	0.073282	0.088999	0.583105
23.01686	0.289447	0.116667	0.106058	0.329604
23.02158	-0.0187	0.138413	-0.0894	0.16583
23.02631	-0.22449	0.167008	0.027626	0.281157
23.03103	-0.60916	0.119437	0.016722	0.620984
23.03576	-0.66188	0.093816	-0.02612	0.669003
23.04048	-0.57298	0.157448	-0.03064	0.595006
23.04521	-0.37222	0.241909	0.019455	0.444349
23.04994	-0.25615	0.285276	-0.00443	0.383422
23.05466	-0.24655	0.387603	0.016973	0.459688
23.05939	-0.45491	0.418935	0.006165	0.618456
23.06411	-0.47275	0.598094	0.506804	0.915458
23.06884	-0.94214	0.932205	0.576128	1.445182
23.07356	-1.05222	1.177599	-0.97105	1.853872
23.07829	-0.80082	1.009533	-0.54414	1.398771
23.08302	-0.43534	0.442343	0.262424	0.673837
23.08774	0.02559	0.085085	0.319551	0.331673
23.09247	0.340306	-0.16322	-0.16125	0.410429
23.09719	0.366609	-0.34084	-0.04364	0.502475
23.10192	0.472	-0.25738	0.253339	0.594312

23.10664	0.380214	0.062465	0.221562	0.444471
23.11137	0.149485	0.150878	-0.15401	0.262354
23.1161	0.134272	0.222163	-0.12543	0.288304
23.12082	0.003983	0.162072	0.054763	0.171112
23.12555	0.020852	0.051362	0.148037	0.158075
23.13027	0.137995	0.00687	-0.0454	0.145435
23.135	0.268441	-0.05385	-0.04622	0.277662
23.13972	0.03028	0.077085	0.038409	0.091292
23.14445	0.07103	-0.10511	-0.04378	0.134202
23.14918	0.311119	-0.23243	-0.00545	0.38839
23.1539	0.448278	-0.38704	0.014758	0.592428
23.15863	0.459685	-0.35649	-0.03401	0.582711
23.16335	0.276466	-0.19559	0.042205	0.341278
23.16808	0.066236	-0.10358	0.00626	0.12311
23.1728	-0.06996	0.054247	-0.00921	0.089003
23.17753	-0.00221	0.08141	-0.04948	0.095291
23.18226	-0.07355	0.227916	0.081443	0.25296
23.18698	-0.24968	0.440773	0.110427	0.518476
23.19171	-0.36863	0.446711	-0.03761	0.580391
23.19643	-0.19677	0.523739	-0.04797	0.561535
23.20116	-0.24701	0.440896	0.068703	0.510022
23.20588	-0.04057	0.359879	0.023045	0.362891
23.21061	0.068168	0.054034	-0.00325	0.087046
23.21534	0.102335	-0.12241	0.103558	0.190211
23.22006	-0.00671	-0.22964	-0.07291	0.241033
23.22479	-0.09706	-0.31207	-0.15891	0.363403
23.22951	-0.15433	-0.30045	0.083254	0.347874
23.23424	-0.29057	-0.34478	0.173909	0.483266
23.23896	-0.28479	-0.27097	-0.07789	0.400743
23.24369	-0.07122	-0.30438	-0.17215	0.356865
23.24842	0.015618	-0.28676	-0.06157	0.293716
23.25314	-0.17675	-0.20288	0.062324	0.276198
23.25787	-0.27875	-0.22626	-0.02837	0.360135
23.26259	-0.09166	-0.29782	-0.1717	0.355777
23.26732	-0.02493	-0.30932	-0.10739	0.328376
23.27204	0.021525	-0.36497	0.059609	0.370429
23.27677	-0.24814	-0.1152	0.200296	0.339063
23.2815	-0.32599	-0.01779	-0.219	0.393127
23.28622	-0.14069	-0.09792	-0.11158	0.204523
23.29095	-0.07546	-0.23576	0.054271	0.253422
23.29567	-0.02854	-0.24439	0.072803	0.256597
23.3004	-0.03673	-0.09374	-0.00017	0.100679
23.30512	0.079645	-0.13756	-0.06305	0.170999
23.30985	0.073143	-0.23208	-0.02692	0.244818
23.31458	0.069023	-0.20376	0.069411	0.226052
23.3193	0.303561	-0.23496	0.014265	0.384133
23.32403	0.296698	-0.22172	0.091281	0.381472
23.32875	1.669635	-1.0365	-0.26421	1.982879
23.33348	1.064824	-0.43868	-0.03775	1.152267
23.3382	1.073468	-0.82336	0.002925	1.352873
23.34293	0.720904	-0.44135	0.271045	0.887669
23.34766	0.208073	-0.21557	0.170325	0.344641

23.35238	-0.11768	0.104803	-0.15498	0.221022
23.35711	-0.16914	0.257731	-0.22723	0.382976
23.36183	-0.53105	0.412738	-0.0272	0.67313
23.36656	-1.12984	0.577065	0.038292	1.269254
23.37128	-1.45269	0.613154	0.015441	1.576868
23.37601	-0.9557	0.161599	-0.11044	0.975541
23.38074	0.168161	-0.02519	-0.17832	0.246397
23.38546	0.613178	-0.12024	0.0581	0.62755
23.39019	0.570491	-0.21814	0.137128	0.625979
23.39491	0.557921	-0.19071	0.096852	0.597517
23.39964	0.410419	-0.07919	0.037933	0.419707
23.40436	0.372029	-0.10362	-0.04897	0.389282
23.40909	0.353011	-0.154	-0.00107	0.385143
23.41382	0.462256	-0.14958	0.112857	0.49879
23.41854	0.405761	-0.12038	0.072784	0.429454
23.42327	0.357983	-0.03676	0.034233	0.36149
23.42799	0.37087	-0.03332	-0.0479	0.375432
23.43272	0.283864	-0.00392	0.028452	0.285313
23.43744	0.256992	0.049967	0.062635	0.269193
23.44217	0.183838	0.094991	0.037207	0.210247
23.4469	0.169433	0.128937	-0.02123	0.21397
23.45162	0.169164	0.104513	-0.05545	0.206432
23.45635	0.25315	0.048235	-0.01583	0.25819
23.46107	0.217628	0.02551	0.029389	0.22108
23.4658	0.191684	0.000495	0.035077	0.194867
23.47052	0.194422	-0.03031	0.002748	0.19679
23.47525	0.111835	-0.1285	0.028826	0.172771
23.47998	0.153377	-0.13221	0.025025	0.204033
23.4847	0.174297	-0.15132	-0.00959	0.231017
23.48943	0.274471	-0.15363	0.01184	0.314765
23.49415	0.308589	-0.19627	0.044959	0.368473
23.49888	0.2701	-0.19948	0.050513	0.339554
23.5036	0.305569	-0.19067	-0.02465	0.361022
23.50833	0.289786	-0.18539	0.015891	0.34438
23.51306	0.29678	-0.20397	-0.01983	0.360662
23.51778	0.211182	-0.19753	0.043213	0.292375
23.52251	0.160812	-0.16854	0.026245	0.234423
23.52723	0.152157	-0.16236	-0.00601	0.222594
23.53196	0.095987	-0.15035	-0.00952	0.178635
23.53668	0.02729	-0.10417	0.017844	0.109152
23.54141	0.032718	-0.07481	-0.01434	0.0829
23.54614	-0.00225	-0.03162	-0.00829	0.032771
23.55086	0.018767	-0.02555	0.004823	0.032068
23.55559	-0.003	-0.01598	-0.01539	0.022389
23.56031	0.005091	0.043366	0.047616	0.064605
23.56504	0.034456	0.027545	-0.02753	0.051998
23.56976	0.092131	-0.0534	0.028462	0.110225
23.57449	0.036553	-0.08266	0.023477	0.093383
23.57922	0.033681	-0.10455	-0.00994	0.110291
23.58394	0.12822	-0.17609	0.006752	0.217928
23.58867	0.027187	-0.16288	0.003132	0.165159
23.59339	0.089638	-0.1948	-0.00995	0.214667

23.59812	0.028295	-0.15416	0.02098	0.158135
23.60284	-0.02666	-0.15061	0.011311	0.15337
23.60757	0.059937	-0.13274	-0.0315	0.149012
23.6123	0.022118	-0.13033	-0.07276	0.150896
23.61702	-0.06157	-0.07919	-0.08757	0.133156
23.62175	0.043505	-0.10706	0.171801	0.207049
23.62647	-0.01022	-0.09433	0.058843	0.111642
23.6312	-0.01351	-0.04848	-0.02944	0.058309
23.63592	-0.07252	-0.02673	-0.00903	0.07782
23.64065	-0.04438	0.024423	0.012402	0.052149
23.64538	-0.0996	0.056113	0.027719	0.117631
23.6501	0.003365	0.01528	-0.04251	0.0453
23.65483	0.098363	-0.06672	-0.01962	0.120467
23.65955	0.034574	-0.0769	0.019699	0.086587
23.66428	0.082894	-0.05737	0.027837	0.104585
23.669	0.052503	-0.04866	0.02167	0.074792
23.67373	-0.00977	-0.01033	-0.04495	0.047146
23.67846	0.03074	-0.01378	-0.00305	0.033826
23.68318	-0.06207	0.036039	0.012395	0.072835
23.68791	-0.04135	0.052253	0.008731	0.067206
23.69263	-0.00885	0.057598	-0.01507	0.060192
23.69736	-0.0586	0.019169	-0.03156	0.069265
23.70208	0.001324	0.013065	0.025653	0.028819
23.70681	-0.01048	0.011703	0.021878	0.026933
23.71154	0.00639	-0.0062	0.015763	0.018105
23.71626	-0.00537	-0.03694	-0.00454	0.037603
23.72099	0.045811	-0.05203	-0.01636	0.071225
23.72571	0.006396	-0.05285	-0.02216	0.05766
23.73044	0.02193	-0.03589	0.005313	0.042396
23.73516	-0.02326	0.010609	-0.01253	0.028471
23.73989	-0.06806	0.042501	0.008928	0.080734
23.74462	-0.01876	0.031513	-0.00538	0.037066
23.74934	-0.00782	0.011111	0.000597	0.013599
23.75407	-0.05631	0.034694	-0.02314	0.070068
23.75879	-0.08777	0.065226	0.011461	0.109949
23.76352	-0.13793	0.103824	-0.00406	0.172689
23.76824	-0.15693	0.129048	-0.00284	0.203196
23.77297	-0.13772	0.126802	-0.00875	0.187406
23.7777	-0.18041	0.164928	0.004379	0.244478
23.78242	-0.17531	0.153003	-0.03718	0.23564
23.78715	-0.15361	0.122209	0.016523	0.196989
23.79187	0.028132	0.046503	-0.01565	0.056557
23.7966	-0.04551	0.047262	0.036687	0.075172
23.80132	-0.11266	0.062335	-0.02887	0.131953
23.80605	-0.03319	0.010871	-0.03575	0.049978
23.81078	0.074016	-0.01881	-0.00578	0.076587
23.8155	-0.0238	-0.00794	0.041722	0.048687
23.82023	-0.01989	-0.00316	-0.00964	0.022325
23.82495	-0.00652	-0.02915	-0.04871	0.057142
23.82968	0.045825	-0.03949	-0.00915	0.061179
23.8344	0.051552	-0.06881	0.018214	0.087884
23.83913	0.01211	-0.09075	0.045351	0.102169

23.84386	-0.01975	-0.10771	-0.04401	0.118014
23.84858	-0.25199	-0.10438	0.040599	0.275762
23.85331	0.203533	-0.06551	-0.02855	0.215713
23.85803	-0.06112	-0.07559	0.044065	0.106728
23.86276	-0.03326	-0.02866	-0.04647	0.06393
23.86748	0.030248	-0.02728	0.031035	0.05121
23.87221	-0.08815	0.033521	0.045018	0.104499
23.87694	-0.14279	0.099876	-0.02535	0.176084
23.88166	-0.05597	0.109887	-0.07141	0.142502
23.88639	-0.04563	0.042584	0.000379	0.062412
23.89111	-0.07242	0.01974	-0.01267	0.076121
23.89584	0.000707	0.011226	0.020653	0.023517
23.90056	-0.03115	0.002796	0.022854	0.038732
23.90529	0.041488	-0.02099	-0.03191	0.056393
23.91002	0.130171	-0.07057	-0.03995	0.153366
23.91474	0.12437	-0.08302	0.026823	0.151922
23.91947	0.119775	-0.06106	0.020666	0.136021
23.92419	0.147363	-0.07481	-0.00917	0.165517
23.92892	0.114197	-0.07058	0.009893	0.134613
23.93364	0.07423	-0.04622	0.013372	0.088462
23.93837	0.038211	0.011125	0.015635	0.042759
23.9431	0.014298	0.043164	-0.04025	0.060729
23.94782	0.076091	-0.02823	-0.00195	0.081182
23.95255	-0.00153	-0.0019	0.031287	0.031382
23.95727	-0.03706	0.04201	-0.01406	0.057757
23.962	0.028758	-0.0116	-0.00326	0.031181
23.96672	0.006189	0.009936	-0.02221	0.025107
23.97145	-0.01267	0.024135	0.001705	0.02731
23.97618	-0.00637	0.009727	0.008811	0.014588
23.9809	-0.00248	-0.02576	-0.0138	0.02933
23.98563	-0.03307	-0.00287	-0.03385	0.04741
23.99035	-0.06102	0.013919	-0.03119	0.069924
23.99508	0.000228	-0.01686	0.020096	0.026231
23.9998	-0.07559	-0.00595	0.002133	0.075852
24.00453	-0.10444	-0.02476	0.003306	0.107387
24.00926	-0.05137	-0.06479	-0.01214	0.08357
24.01398	0.040637	-0.03216	0.009317	0.052652
24.01871	-0.03073	-0.02351	-0.01093	0.040209
24.02343	-0.00076	-0.02324	-0.0049	0.023768
24.02816	0.07892	-0.03018	0.04141	0.094096
24.03288	0.073672	-0.03816	-0.02063	0.085496
24.03761	0.030494	-0.03787	-0.01571	0.051098
24.04234	-0.01843	-0.06485	0.004592	0.067569
24.04706	0.138414	-0.01566	-0.02748	0.141982
24.05179	0.050732	-0.06877	0.005973	0.085663
24.05651	0.088301	-0.03613	-0.00238	0.095438
24.06124	0.056743	-0.02873	0.034419	0.072316
24.06596	-0.03255	0.010762	0.010406	0.035823
24.07069	0.009378	0.023918	-0.01103	0.027959
24.07542	-0.03684	0.008518	-0.0133	0.040086
24.08014	0.03838	0.011029	0.010541	0.041301
24.08487	0.041887	-0.00073	-0.02276	0.047677

24.08959	0.012059	0.011347	0.007098	0.018015
24.09432	0.006236	0.043412	0.014161	0.046087
24.09904	-0.03283	0.022977	0.006927	0.040664
24.10377	0.004351	0.012261	-0.02041	0.024206
24.1085	0.026993	0.032426	0.007048	0.042776
24.11322	0.027965	0.023949	-0.04521	0.058307
24.11795	0.044479	0.020287	0.003811	0.049036
24.12267	0.073777	-0.0142	0.027511	0.080011
24.1274	0.076801	-0.03191	0.009484	0.083705
24.13212	0.005051	-0.00794	0.029573	0.031036
24.13685	0.00147	0.002829	-0.01101	0.011462
24.14158	0.027607	-0.0007	-0.00142	0.027653
24.1463	0.011888	-0.0161	-0.00616	0.020941
24.15103	0.009421	-0.03138	-0.01085	0.034511
24.15575	0.024729	0.023448	-0.02144	0.040263
24.16048	-0.00035	0.005499	-0.02838	0.028909
24.1652	0.002104	0.013759	0.005076	0.014816
24.16993	-0.01681	0.032642	-0.00327	0.036862
24.17466	-0.03558	0.041989	0.003881	0.055173
24.17938	-0.04585	0.031117	-0.01394	0.057136
24.18411	-0.0121	0.036861	0.012278	0.040692
24.18883	-0.02375	0.052189	0.003876	0.05747
24.19356	0.00265	0.056698	-0.027	0.062854
24.19828	-0.01034	0.032681	-0.01728	0.038385
24.20301	-0.00539	-0.01008	0.014907	0.018785
24.20774	0.050467	0.003214	0.013601	0.052367
24.21246	0.044199	-0.02628	-0.01498	0.053557
24.21719	0.009508	-0.02706	-0.00655	0.029419
24.22191	-0.02376	-0.01007	0.016055	0.030396
24.22664	0.120071	0.07684	-0.01255	0.143104
24.23136	0.034771	0.121596	-0.0504	0.136142
24.23609	0.006058	0.011657	-0.01082	0.017022
24.24082	0.053727	-0.01785	0.125714	0.137874
24.24554	0.027175	-0.02339	0.009588	0.037114
24.25027	0.011463	0.020959	-0.05337	0.058469
24.25499	-0.00063	0.000912	-0.05885	0.058857
24.25972	0.01822	-0.01184	-0.00496	0.022285
24.26444	0.033366	-0.0209	0.04848	0.062455
24.26917	0.03768	-0.03462	0.007746	0.051749
24.2739	0.076151	0.013343	-0.01011	0.077969
24.27862	-0.06875	0.084547	-0.04206	0.116804
24.28335	-0.00604	-0.04144	0.019999	0.046411
24.28807	0.059513	0.065326	0.073245	0.114779
24.2928	-0.09705	0.139978	-0.20261	0.264697
24.29752	-0.07618	0.212682	0.13722	0.264323
24.30225	-0.12608	0.21848	-0.05137	0.257429
24.30698	-0.14851	0.148171	-0.07823	0.223894
24.3117	-0.01877	0.070129	0.04819	0.087135
24.31643	0.0319	0.041158	0.000325	0.052074
24.32115	0.063547	-0.13355	-0.0246	0.149928
24.32588	0.100434	-0.29816	0.081208	0.324929
24.3306	0.228618	-0.39721	0.040204	0.460067

24.33533	-0.1273	-0.0245	-0.01826	0.130914
24.34006	0.2937	-0.19439	-0.02164	0.352866
24.34478	-0.24482	0.03114	-0.08314	0.260417
24.34951	0.090834	-0.0027	-0.04684	0.102233
24.35423	0.042746	-0.08148	0.184925	0.206551
24.35896	-0.09543	0.012486	-0.03728	0.103214
24.36368	0.124853	-0.03077	-0.0417	0.135182
24.36841	-0.1647	0.099564	-0.08168	0.209069
24.37314	0.007109	0.017459	-0.04539	0.049146
24.37786	0.08396	0.156465	0.049914	0.18445
24.38259	-0.11549	-0.04148	0.089844	0.152084
24.38731	-0.00248	0.053114	-0.08767	0.102537
24.39204	0.086467	0.216977	0.199005	0.306853
24.39676	0.131587	0.138235	-0.00078	0.190852
24.40149	0.136054	0.10628	-0.00552	0.172733
24.40622	0.204823	0.113942	0.026563	0.235883
24.41094	0.212396	0.051584	-0.0306	0.220702
24.41567	0.180656	0.028814	0.006437	0.183052
24.42039	0.107843	0.043	0.014695	0.117026
24.42512	0.060686	-0.07697	0.026443	0.101522
24.42984	0.115732	-0.06073	-0.01174	0.131225
24.43457	0.164524	-0.07323	0.045307	0.185696
24.4393	0.243736	-0.07249	0.044932	0.258227
24.44402	0.385169	-0.06469	-0.03019	0.391728
24.44875	0.459135	-0.06171	-0.02163	0.463768
24.45347	0.502606	0.090814	0.002287	0.51075
24.4582	0.542006	0.093564	-0.02858	0.550765
24.46292	0.311846	0.058293	0.045214	0.320454
24.46765	0.279912	-0.06189	-0.0477	0.290613
24.47238	0.241392	-0.08113	-0.11136	0.277944
24.4771	0.198888	-0.08641	0.233634	0.31876
24.48183	0.068601	-0.04442	-0.01866	0.083828
24.48655	-0.00933	-0.06312	-0.03393	0.072262
24.49128	-0.0213	-0.02581	-0.00517	0.033862
24.496	-0.15548	-0.03754	0.026904	0.162196
24.50073	-0.18063	-0.03745	0.006504	0.184588
24.50546	-0.19009	-0.0075	-0.03508	0.193444
24.51018	-0.1685	0.000895	-0.03597	0.172301
24.51491	-0.18155	-0.01703	0.011786	0.182728
24.51963	-0.22528	0.013741	0.010495	0.225944
24.52436	-0.24857	0.025387	-0.00027	0.249863
24.52908	-0.25739	0.005018	-0.03349	0.259612
24.53381	-0.35273	0.000258	0.029672	0.353971
24.53854	-0.28708	-0.0105	-0.00854	0.287394
24.54326	-0.23505	0.021622	-0.02034	0.236915
24.54799	-0.21082	0.022648	-0.01898	0.212886
24.55271	-0.22372	0.046265	-0.03187	0.230662
24.55744	-0.27321	0.016394	-0.01855	0.274334
24.56216	-0.27468	-0.00139	0.004148	0.274718
24.56689	-0.21562	0.006906	0.044452	0.220261
24.57162	-0.21276	-0.01098	0.028656	0.214967
24.57634	-0.13278	-0.01087	-0.01667	0.134261

24.58107	-0.05693	-0.01311	-0.02009	0.061774
24.58579	-0.11588	-0.01308	0.033469	0.121319
24.59052	-0.12925	0.004821	0.015392	0.130254
24.59524	-0.17456	-0.04612	-0.0227	0.181971
24.59997	-0.2345	-0.0017	-0.0142	0.23494
24.6047	-0.12759	0.076905	0.009655	0.149287
24.60942	-0.03131	0.039744	-0.02838	0.058012
24.61415	-0.04179	0.0311	0.015751	0.054419
24.61887	-0.05699	0.003475	-0.01642	0.059408
24.6236	-0.0933	-0.0049	-0.0056	0.093596
24.62832	-0.11139	0.026082	-0.00674	0.114603
24.63305	-0.10441	0.03906	-0.00431	0.111558
24.63778	-0.02165	0.022227	0.008782	0.032248
24.6425	-0.00619	0.035084	0.017013	0.03948
24.64723	0.018568	0.013399	0.021616	0.031489
24.65195	0.029917	-0.00096	-0.01416	0.033112
24.65668	0.025831	0.004986	-0.02235	0.034518
24.6614	0.025341	0.028692	-0.0364	0.052822
24.66613	0.041454	0.011833	-0.00169	0.043143
24.67086	0.018287	0.012953	0.036292	0.042653
24.67558	0.010783	0.029514	0.02294	0.038905
24.68031	0.024657	0.009116	-0.00691	0.027182
24.68503	0.053781	-0.00055	0.018057	0.056734
24.68976	0.061208	0.029009	0.019089	0.070373
24.69448	0.0424	0.020423	-0.01311	0.048853
24.69921	0.02372	0.022629	-0.01418	0.03572
24.70394	0.027807	0.015296	-0.02593	0.040984
24.70866	0.070968	0.01989	-0.00674	0.07401
24.71339	0.117267	0.027976	0.01942	0.122112
24.71811	0.11922	0.031264	0.019256	0.124747
24.72284	0.155542	0.027405	0.013161	0.158486
24.72756	0.1489	-0.00498	-0.00238	0.149003
24.73229	0.140077	0.009246	-0.02253	0.142178
24.73702	0.030452	-0.03829	0.012067	0.050386
24.74174	-0.19799	-0.00738	0.106875	0.225113
24.74647	-0.58804	0.029748	0.294606	0.658385
24.75119	-0.58309	0.021862	-0.28091	0.647596
24.75592	-0.2971	-0.04708	-0.18722	0.354305
24.76064	-0.05673	-0.00851	0.001805	0.057395
24.76537	-0.02053	0.012001	0.045692	0.05151
24.7701	-0.02015	0.045584	-0.03061	0.058488
24.77482	-0.03104	0.046994	-0.0956	0.110952
24.77955	0.014384	0.020669	0.099783	0.102911
24.78427	-0.01994	-0.00932	0.113185	0.115305
24.789	-0.00097	-0.0061	0.197657	0.197753
24.79372	-0.00235	-0.01368	0.05244	0.054244
24.79845	-0.01061	0.026329	-0.10818	0.111837
24.80318	0.004903	0.000717	0.008988	0.010264
24.8079	0.020397	-0.00588	0.125171	0.126958
24.81263	-0.04704	0.003141	-0.0408	0.062349
24.81735	-0.05446	0.025657	-0.22436	0.232291
24.82208	0.004692	0.030287	-0.04452	0.054046

24.8268	0.000266	-0.0402	-0.00381	0.040385
24.83153	0.005174	-0.00334	0.02825	0.028914
24.83626	0.001722	0.022815	-0.07995	0.083161
24.84098	0.018495	0.027483	-0.04131	0.052955
24.84571	-0.01245	0.01303	0.072928	0.075123
24.85043	-0.01457	0.014108	0.014186	0.02475
24.85516	0.017762	0.028297	-0.0144	0.036383
24.85988	-0.05229	0.029219	-0.00716	0.060326
24.86461	-0.02323	0.008848	-0.00829	0.0262
24.86934	-0.05245	0.025439	0.001272	0.058308
24.87406	-0.19294	0.01336	-0.00823	0.193574
24.87879	-0.43421	-0.02948	-0.0046	0.435235
24.88351	-0.43518	-0.02218	0.000184	0.435746
24.88824	-0.38514	-0.0031	-0.00694	0.385217
24.89296	-0.22625	0.001648	0.023968	0.22752
24.89769	-0.17428	0.002777	-0.02725	0.176416
24.90242	-0.29126	-0.00193	-0.02109	0.292027
24.90714	-0.23515	0.043237	-0.00548	0.239157
24.91187	-0.42636	0.060661	0.026597	0.431475
24.91659	-0.31105	0.137243	-0.0282	0.34115
24.92132	-0.30092	0.245317	0.019496	0.388734
24.92604	-0.2351	0.265906	-0.01981	0.355484
24.93077	-0.2281	0.274472	-0.01134	0.357061
24.9355	-0.1177	0.27103	-0.03259	0.297276
24.94022	-0.1624	0.283039	0.074463	0.33471
24.94495	-0.07175	0.241642	-0.0448	0.256018
24.94967	-0.06465	0.246659	0.018459	0.255657
24.9544	-0.29139	0.459197	0.089492	0.551162
24.95912	-0.32531	0.498228	-0.05243	0.597334
24.96385	-0.00424	0.333211	-0.12554	0.356102
24.96858	0.45197	0.106542	9.44E-05	0.464357
24.9733	0.483314	0.111587	0.129421	0.512634
24.97803	0.712852	0.113152	0.028692	0.722347
24.98275	0.827605	0.158708	-0.01899	0.8429
24.98748	0.884352	0.139981	-0.0734	0.898365
24.9922	0.996525	-0.01509	0.066041	0.998825
24.99693	1.380191	-0.19262	-0.01518	1.39365
25.00166	2.197212	-0.30087	0.033612	2.217972
25.00638	1.846913	-0.71386	0.403538	2.020772
25.01111	2.075436	-0.9776	0.059694	2.29493
25.01583	3.378233	-1.3729	-0.07843	3.647389
25.02056	5.120039	-1.87916	0.583573	5.485125
25.02528	5.222414	-1.53966	1.446635	5.633553
25.03001	6.577743	-2.44917	0.295197	7.025119
25.03474	8.360312	-3.3775	-0.74479	9.047486
25.03946	10.03479	-1.51522	-1.42731	10.24842
25.04419	8.475761	1.330548	-0.27122	8.583848
25.04891	8.200377	1.817781	-0.11671	8.400246
25.05364	9.488332	0.167911	0.496433	9.502793
25.05836	9.940136	0.716092	0.866173	10.00347
25.06309	6.945968	0.278707	0.446879	6.965906
25.06782	6.007002	0.082466	-1.35793	6.159128

25.07254	5.819939	-0.29017	0.347743	5.837534
25.07727	5.835329	-0.77496	-0.17484	5.889159
25.08199	5.283587	-1.30701	0.533976	5.468975
25.08672	4.494345	-1.47127	0.811717	4.798191
25.09144	4.001962	-1.58221	0.520264	4.334715
25.09617	3.698159	-1.69296	0.253086	4.075111
25.1009	4.776611	-2.93765	-1.31735	5.760316
25.10562	1.895834	-2.65793	-0.64289	3.327471
25.11035	0.249626	-2.13578	-0.09966	2.152628
25.11507	1.711955	-2.49814	0.555303	3.078938
25.1198	2.497725	-3.21795	-0.58888	4.115896
25.12452	1.563052	-2.82148	2.656955	4.178908
25.12925	1.314142	-0.43349	2.075089	2.494169
25.13398	0.640058	1.574717	-2.9174	3.37648
25.1387	0.595356	5.755255	-2.28036	6.219121
25.14343	-3.18652	6.61221	1.181502	7.434461
25.14815	-12.0648	4.002114	2.488133	12.95253
25.15288	-24.9936	0.526498	2.083178	25.0858
25.1576	-28.184	-1.95307	-0.07642	28.25174
25.16233	-13.8632	3.072555	-2.62995	14.44109
25.16706	-14.0473	2.598025	-2.03281	14.42944
25.17178	-13.0412	1.204055	-2.65991	13.36401
25.17651	-6.78229	0.248672	-0.66816	6.819658
25.18123	-3.91111	1.268577	0.50974	4.143178
25.18596	-1.36936	2.38238	0.895065	2.889989
25.19068	-0.24249	2.826189	1.898819	3.413453
25.19541	-1.12884	2.057772	0.026374	2.347213
25.20014	-2.71487	1.340164	-0.98455	3.183691
25.20486	-2.67356	1.483322	-0.9104	3.190137
25.20959	-2.84009	1.457438	-0.0955	3.19364
25.21431	-2.99107	1.133379	0.381393	3.221258
25.21904	-3.08831	0.837084	0.310422	3.214766
25.22376	-2.99827	0.708666	0.057918	3.081426
25.22849	-2.54787	0.638021	-0.17993	2.632695
25.23322	-1.57934	0.377787	-0.21553	1.638136
25.23794	-0.84168	0.100223	-0.20329	0.871659
25.24267	-0.4695	0.009541	-0.10861	0.481998
25.24739	-0.4553	-0.09528	0.018215	0.465521
25.25212	-0.24913	-0.09019	-0.01524	0.265388
25.25684	-0.17728	-0.06468	-0.06418	0.199328
25.26157	-0.15502	-0.10835	-0.14173	0.236347
25.2663	-0.1031	-0.03607	-0.02681	0.112471
25.27102	-0.17599	0.036758	0.201479	0.270029
25.27575	-0.48674	0.112442	0.421103	0.65337
25.28047	-0.82147	0.210308	0.305867	0.901437
25.2852	-1.28864	0.371281	0.096373	1.34452
25.28992	-1.65219	0.369658	0.041286	1.693544
25.29465	-1.86368	0.36697	-0.09259	1.901726
25.29938	-1.69306	0.349868	0.025821	1.72902
25.3041	-1.56671	0.087677	0.222945	1.584923
25.30883	-1.5934	0.256941	0.014745	1.614046
25.31355	-2.05516	0.35952	-0.09879	2.088709

25.31828	-2.62578	0.408658	0.012475	2.657421
25.323	-2.91054	0.497201	-0.16677	2.957404
25.32773	-3.55517	0.206554	-0.2729	3.571602
25.33246	-4.08001	-0.07533	-0.6071	4.125618
25.33718	-4.02171	-0.26218	0.164445	4.0336
25.34191	-4.5868	-0.4456	-0.20974	4.613162
25.34663	-5.20557	-0.67372	0.542152	5.27691
25.35136	-5.71241	-0.81738	0.2141	5.774558
25.35608	-5.94323	-0.7991	-0.44931	6.013519
25.36081	-6.787	-1.06908	-0.665	6.902796
25.36554	-7.63315	-1.36541	-0.42634	7.766018
25.37026	-6.27433	-0.69593	-1.53944	6.497802
25.37499	-4.5045	-0.04706	0.372011	4.520082
25.37971	-4.1175	0.031525	2.948966	5.064698
25.38444	-3.34927	0.080214	-1.7173	3.764721
25.38916	-2.05809	0.334078	-0.86073	2.255705
25.39389	-1.14239	0.32525	3.03696	3.260976
25.39862	-0.83087	0.451685	-0.47515	1.058362
25.40334	-0.35378	0.682984	-0.75776	1.079734
25.40807	-0.53117	0.544052	1.128773	1.36098
25.41279	-0.44714	0.616272	0.128427	0.772151
25.41752	-0.50369	0.482634	-1.75607	1.889562
25.42224	-0.13182	0.237252	-0.88271	0.923491
25.42697	-0.54482	0.160882	-0.25659	0.623336
25.4317	-0.29877	-0.09708	1.490712	1.523453
25.43642	-0.39219	-0.19092	-0.13865	0.457693
25.44115	0.976105	0.032267	-0.14439	0.987255
25.44587	1.203996	0.143338	0.674358	1.387411
25.4506	1.10558	0.076099	-0.35647	1.164117
25.45532	1.828132	-0.08596	-0.07517	1.831695
25.46005	1.535315	0.250628	0.118533	1.560147
25.46478	1.481918	-0.31588	0.78517	1.706562
25.4695	2.233787	-0.15162	-0.50505	2.295184
25.47423	2.752856	-0.07576	-0.19484	2.760783
25.47895	3.163207	0.132494	-0.02487	3.166078
25.48368	4.037329	0.398113	0.348015	4.071809
25.4884	4.984565	0.307701	0.327274	5.004765
25.49313	5.170448	0.089899	0.165522	5.173878
25.49786	5.081043	0.170762	-0.08681	5.084653
25.50258	5.249421	0.232584	-0.13806	5.256384
25.50731	5.129434	0.173137	-0.37089	5.145739
25.51203	5.030209	0.109334	0.198347	5.035305
25.51676	4.739401	0.099555	0.151495	4.742867
25.52148	4.034337	0.304103	-0.0112	4.045797
25.52621	4.018903	0.143958	-0.12349	4.023376
25.53094	4.243797	0.035152	0.328343	4.256625
25.53566	4.399204	-0.0532	0.127192	4.401364
25.54039	4.841108	-0.12833	-0.15975	4.845443
25.54511	5.100251	-0.15663	-0.11533	5.103958
25.54984	4.402624	-0.35903	0.021049	4.417289
25.55456	3.179706	-0.64351	-0.04946	3.244546
25.55929	2.244087	-0.71422	-0.02311	2.355115

25.56402	0.903452	-0.36567	0.208732	0.996749
25.56874	-0.0224	0.047075	-0.02095	0.056187
25.57347	-0.11755	0.202711	-0.04721	0.239037
25.57819	-0.07417	0.174136	-0.05909	0.198282
25.58292	-0.16954	0.372378	0.056893	0.413093
25.58764	-0.02825	0.357791	0.015005	0.359218
25.59237	0.024608	0.158208	-0.04714	0.166906
25.5971	-0.02434	0.170277	-0.03034	0.174664
25.60182	0.057091	0.065172	0.047369	0.098745
25.60655	0.021336	0.015151	0.028197	0.038469
25.61127	0.015445	0.032107	-0.00768	0.036448
25.616	0.02714	0.072955	-0.02081	0.080573
25.62072	0.246901	0.104093	-0.00285	0.267962
25.62545	0.048206	0.082715	0.059292	0.11261
25.63018	0.129302	-0.0318	-0.02322	0.135165
25.6349	0.176896	-0.07571	0.038946	0.19632
25.63963	0.168303	-0.07776	0.022176	0.186721
25.64435	0.038984	-0.09065	0.000643	0.09868
25.64908	0.005398	-0.05692	-0.03998	0.069769
25.6538	0.078235	-0.11641	-0.05068	0.149133
25.65853	-0.01993	-0.14845	-0.01357	0.150401
25.66326	-0.05455	-0.19002	0.030657	0.200057
25.66798	-0.08193	-0.16702	0.019866	0.187093
25.67271	-0.14879	-0.23731	-0.00167	0.280105
25.67743	-0.20715	-0.16293	-0.01003	0.26374
25.68216	-0.21407	-0.09942	0.009102	0.236202
25.68688	-0.20073	-0.10879	-0.02676	0.229884
25.69161	-0.09781	-0.0513	-0.00641	0.110636
25.69634	-0.0738	-0.03575	-0.00401	0.082097
25.70106	-0.0211	-0.0201	0.003163	0.029316
25.70579	-0.04622	-0.04638	0.006744	0.065822
25.71051	-0.04268	-0.02969	0.021072	0.0561
25.71524	-0.04623	-0.03573	0.01746	0.060979
25.71996	-0.02475	-0.02018	-0.02439	0.040181
25.72469	-0.02597	-0.02379	-0.01958	0.040295
25.72942	-0.04268	-0.02146	-0.01836	0.051181
25.73414	-0.08332	-0.01074	-0.01595	0.085509
25.73887	-0.09642	-0.00956	-0.01951	0.098838
25.74359	-0.11785	-0.01558	0.000825	0.118878
25.74832	-0.13813	-0.00129	-0.01949	0.139502
25.75304	-0.14632	0.003492	-0.02066	0.147808
25.75777	-0.12103	0.026262	-0.02302	0.12597
25.7625	-0.1063	0.026301	-0.02061	0.111431
25.76722	-0.08938	-0.00476	-0.00266	0.089543
25.77195	-0.09515	0.001252	-0.00385	0.095231
25.77667	-0.07099	0.045533	-0.00503	0.084489
25.7814	-0.06601	-0.00706	0.003339	0.066474
25.78612	-0.05982	0.041915	-0.00742	0.07342
25.79085	-0.05124	0.001264	0.029632	0.059209
25.79558	-0.06659	0.01691	-0.02776	0.074101
25.8003	-0.04483	0.00629	-0.00143	0.045296
25.80503	-0.06387	0.014746	-0.01457	0.067151

25.80975	-0.04697	0.024329	0.01771	0.05578
25.81448	-0.02287	0.009989	-0.00143	0.024999
25.8192	-0.02514	0.007657	-0.00143	0.026317
25.82393	-0.04174	0.018544	-0.04085	0.061278
25.82866	-0.04751	0.00788	-0.00375	0.048307
25.83338	-0.06049	0.013859	0.009395	0.062762
25.83811	-0.02565	0.015107	0.033282	0.044654
25.84283	-0.03746	-0.00518	-0.0038	0.038009
25.84756	-0.05645	0.009234	-0.03008	0.064631
25.85228	-0.01208	0.003333	-0.01451	0.019169
25.85701	-0.04905	0.012987	-0.02166	0.055171
25.86174	-0.03333	0.00105	0.008243	0.034354
25.86646	-0.06075	0.004648	-0.01686	0.063218
25.87119	-0.05354	0.008284	-0.02042	0.057896
25.87591	-0.02349	-0.00949	-8E-05	0.025336
25.88064	-0.04372	0.016891	-0.02159	0.051602
25.88536	-0.05077	-0.00104	-0.00603	0.051136
25.89009	-0.04109	0.013414	-0.01438	0.045558
25.89482	-0.04937	0.023013	-0.04184	0.068688
25.89954	-0.07317	0.021931	-0.02864	0.081579
25.90427	-0.05139	0.033966	0.039505	0.073179
25.90899	-0.05857	0.008901	-0.01312	0.060676
25.91372	-0.04161	0.022049	0.0335	0.057792
25.91844	-0.03792	0.01259	-0.0239	0.046556
25.92317	-0.05812	0.034167	-0.02147	0.070754
25.9279	-0.05918	0.040255	0.017988	0.0738
25.93262	-0.07583	0.05342	-0.00354	0.092827
25.93735	-0.05649	0.034334	0.013195	0.06741
25.94207	-0.05996	0.025984	0.003619	0.065446
25.9468	-0.04668	0.015254	0.004811	0.049341
25.95152	-0.05492	0.021267	0.001222	0.058908
25.95625	-0.0798	0.038055	-0.01312	0.089376
25.96098	-0.07959	0.027353	0.007215	0.084468
25.9657	-0.05314	-0.00849	-0.02983	0.061529
25.97043	-0.05653	0.016647	-0.00112	0.058945
25.97515	-0.0851	0.053711	-0.0059	0.100808
25.97988	-0.0788	0.052521	-0.02381	0.097647
25.9846	-0.06423	2.07E-05	-0.00227	0.064267
25.98933	-0.11664	0.032284	0.033582	0.125599
25.99406	-0.11284	0.063326	8.2E-05	0.129395
25.99878	-0.11986	0.068084	-0.03337	0.141826
26.00351	-0.05384	0.03107	-0.04169	0.074853
26.00823	-0.07036	0.025128	0.001377	0.074728
26.01296	-0.05427	0.01434	-0.0105	0.057105
26.01768	-0.01334	-0.03907	0.013323	0.043382
26.02241	0.01651	-0.03626	-0.00933	0.040919
26.02714	0.000984	-0.0193	-0.01874	0.026924
26.03186	0.006985	-0.0084	0.005147	0.012073
26.03659	0.005814	-0.02368	0.001546	0.024431
26.04131	0.00824	-0.01275	-0.01626	0.022245
26.04604	0.015334	-0.05652	-0.0007	0.058571
26.05076	0.028314	-0.05249	0.012352	0.060908

26.05549	0.044759	-0.04612	0.020555	0.067478
26.06022	0.026688	-0.0208	0.003774	0.034043
26.06494	-0.00072	-0.0111	0.003743	0.011739
26.06967	-0.02914	0.012691	-0.01527	0.035261
26.07439	-0.00384	0.012642	-0.00802	0.015458
26.07912	-0.03453	0.023257	-0.00677	0.042177
26.08384	-0.04483	0.043275	-0.03163	0.069879
26.08857	-0.02652	0.029906	0.001859	0.040014
26.0933	-0.04637	0.027312	-0.01714	0.056478
26.09802	-0.06017	0.035446	-0.01344	0.071118
26.10275	-0.02644	-0.00865	-0.01213	0.030346
26.10747	-0.04296	-0.0108	-0.01678	0.047369
26.1122	0.013243	0.037995	-0.00121	0.040255
26.11692	-0.02361	-0.01919	-0.02255	0.037869
26.12165	0.008709	-0.00117	0.001363	0.008893
26.12638	-0.03285	-0.00825	0.012031	0.035943
26.1311	-0.03607	-0.00581	0.01193	0.03843
26.13583	-0.03803	0.000126	-0.01071	0.039507
26.14055	-0.06367	0.016792	-0.01893	0.068513
26.14528	-0.04402	-0.00702	0.000215	0.044572
26.15	-0.0566	0.001399	0.001402	0.056635
26.15473	-0.03825	0.017998	-0.00573	0.042656
26.15946	-0.03072	0.021421	-0.01517	0.040411
26.16418	-0.01612	0.020113	-0.00318	0.02597
26.16891	-0.02892	0.017586	-0.0162	0.037527
26.17363	-0.05357	0.000759	-0.00895	0.054315
26.17836	-0.02699	0.014976	-0.01362	0.033741
26.18308	-0.00767	0.024413	-0.01351	0.028937
26.18781	-0.02651	0.00291	-0.00153	0.026709
26.19254	-0.03452	0.02307	0.010348	0.042789
26.19726	-0.01157	0.047793	0.009075	0.050005
26.20199	-0.39594	0.228976	0.037476	0.458916
26.20671	-0.20158	0.184594	-0.08741	0.286967
26.21144	0.016127	-0.02325	-0.00837	0.029504
26.21616	0.029152	-0.00877	0.064073	0.070937
26.22089	0.049241	0.003178	0.000658	0.049348
26.22562	-0.00078	0.060199	-0.02307	0.064474
26.23034	-0.0018	0.034866	-0.0122	0.036983
26.23507	0.035179	-0.00456	0.035359	0.050086
26.23979	-0.05989	0.079712	0.050488	0.111756
26.24452	0.039199	0.004344	-0.04841	0.062438
26.24924	-0.01805	-0.09523	-0.01122	0.097571
26.25397	-0.06319	-0.23573	-0.06571	0.252745
26.2587	0.160663	-0.10688	0.106875	0.220584
26.26342	-0.06008	-0.06446	-0.02096	0.090575
26.26815	-0.10358	0.010878	0.031414	0.108784
26.27287	0.172603	-0.01654	-0.05309	0.181338
26.2776	0.016414	0.121433	0.07787	0.145187
26.28232	-0.14197	-0.08605	-0.1221	0.206076
26.28705	-0.2784	0.214642	0.19925	0.404078
26.29178	-0.04819	0.097936	-0.13935	0.177013
26.2965	0.030608	0.030973	-0.10259	0.111451

26.30123	-0.06928	0.016477	0.028771	0.076806
26.30595	-0.09123	0.069714	0.103277	0.154433
26.31068	0.017493	0.018172	0.008688	0.026677
26.3154	0.069545	-0.01979	-0.07206	0.102082
26.32013	-0.02002	0.025541	-0.02756	0.042576
26.32486	-0.06362	0.04914	0.033184	0.086966
26.32958	-0.15201	0.128305	0.00562	0.199
26.33431	-0.25973	0.164238	-0.01815	0.307838
26.33903	-0.01785	0.024279	-0.05477	0.062516
26.34376	0.082287	-0.02193	-0.04126	0.094627
26.34848	0.016702	0.01774	0.032654	0.040742
26.35321	0.118819	0.088974	0.006286	0.148572
26.35794	0.012694	0.13121	0.043021	0.138665
26.36266	0.061913	0.072471	-0.00834	0.095681
26.36739	0.019234	0.072232	0.007164	0.075091
26.37211	0.016007	0.062433	0.013044	0.065759
26.37684	-0.03348	0.072843	0.028365	0.085038
26.38156	-0.01268	0.079691	-0.02407	0.084206
26.38629	-0.05025	0.101878	-0.01555	0.114658
26.39102	0.008617	0.012312	-0.00948	0.017769
26.39574	0.000514	0.002943	0.026196	0.026366
26.40047	0.001969	0.010248	0.033102	0.034708
26.40519	-0.03577	0.062604	0.005545	0.072314
26.40992	-0.10764	0.122844	-0.01348	0.163884
26.41464	-0.05429	0.119616	-0.00743	0.131568
26.41937	-0.08573	0.108123	-0.0133	0.138625
26.4241	-0.04574	0.106245	0.009363	0.116049
26.42882	-0.04525	0.062731	-0.02393	0.080969
26.43355	-0.11015	0.093209	0.004745	0.144374
26.43827	-0.08547	0.106822	-0.01071	0.137223
26.443	-0.04662	0.070575	-0.0213	0.087225
26.44772	0.00016	0.078473	0.038207	0.08728
26.45245	-0.11479	0.14074	0.017719	0.182476
26.45718	-0.09103	0.169464	-0.00378	0.192404
26.4619	-0.03306	0.18018	-0.02154	0.184449
26.46663	-0.11932	0.187248	-0.00118	0.222037
26.47135	-0.06244	0.140782	-0.00947	0.154297
26.47608	-0.01668	0.094704	0.001289	0.096171
26.4808	0.001363	0.094152	-0.03075	0.099055
26.48553	-0.06735	0.03188	-0.01981	0.077102
26.49026	0.03166	-0.06434	-0.0054	0.071908
26.49498	0.046627	-0.03404	-0.00536	0.057981
26.49971	-0.04642	-0.02068	-0.01243	0.052314
26.50443	0.067858	-0.05357	-0.00876	0.086897
26.50916	0.057805	-0.05417	0.020973	0.08195
26.51388	0.032582	-0.0037	-0.01479	0.035972
26.51861	0.208197	-0.06618	0.004326	0.218506
26.52334	6.22E-05	-0.0109	0.014972	0.018522
26.52806	0.076184	0.018832	0.065863	0.102452
26.53279	-0.08356	-0.07859	-0.05333	0.126503
26.53751	-0.01499	-0.12048	0.013561	0.122162
26.54224	-0.01602	-0.08242	-0.03163	0.089717

26.54696	-0.0349	-0.11121	-0.02543	0.119298
26.55169	-0.06312	-0.12336	0.041222	0.144577
26.55642	-0.05089	-0.1556	0.006469	0.163839
26.56114	-0.03739	-0.1472	0.024212	0.153794
26.56587	-0.01919	-0.12334	-0.00565	0.124948
26.57059	0.033551	-0.06987	-0.01983	0.080003
26.57532	0.033869	-0.12231	-0.02915	0.13022
26.58004	0.010132	-0.19702	0.038729	0.201044
26.58477	-0.00137	-0.32014	-0.04702	0.323574
26.5895	0.013641	-0.43293	-0.01342	0.433357
26.59422	0.101486	-0.39032	0.054313	0.406935
26.59895	0.238454	-0.39287	-0.04698	0.461968
26.60367	0.135678	-0.2828	0.022223	0.314452
26.6084	-0.03144	-0.16088	0.087284	0.185716
26.61312	-0.0599	-0.07323	0.027226	0.098447
26.61785	0.158803	-0.07639	-0.07979	0.193441
26.62258	-0.00021	-0.06516	-0.02217	0.068829
26.6273	0.022138	0.001684	-0.02318	0.032097
26.63203	0.030059	-0.01645	0.005478	0.0347
26.63675	0.035863	0.014311	0.032715	0.050608
26.64148	0.008412	0.034389	-0.02095	0.041135
26.6462	0.007206	0.02817	-0.05992	0.066606
26.65093	0.00132	0.033797	0.025998	0.04266
26.65566	-0.01642	0.027527	0.024592	0.040401
26.66038	-0.01624	0.017778	-0.01002	0.026079
26.66511	0.000474	-0.00142	0.009045	0.009168
26.66983	-0.00544	0.022304	-0.01239	0.026086
26.67456	-0.00299	0.013757	0.003139	0.014423
26.67928	-0.01716	0.017187	-0.00875	0.025817
26.68401	0.002043	0.032552	-0.03003	0.044337
26.68874	0.012724	0.038311	-0.02978	0.050165
26.69346	-0.00028	0.013161	0.008438	0.015636
26.69819	0.020037	0.00832	0.023792	0.032199
26.70291	-0.00964	0.022544	-0.00844	0.02593
26.70764	-0.00711	0.001084	0.003499	0.007997
26.71236	0.001308	-0.00124	0.004659	0.004996
26.71709	-0.0058	-0.00592	-0.01199	0.014575
26.72182	-0.00695	0.019001	-0.00596	0.02109
26.72654	0.024066	0.030736	-0.01896	0.043396
26.73127	-0.00332	0.017485	-0.00456	0.018371
26.73599	-0.0174	-0.00279	0.009716	0.020127
26.74072	0.000686	0.017488	0.007265	0.01895
26.74544	-0.0004	0.039955	-0.01059	0.041337
26.75017	-0.0335	0.027814	0.00255	0.043613
26.7549	-0.02367	-0.00084	0.010837	0.026049
26.75962	-0.01655	0.01338	-0.01654	0.026952
26.76435	-0.00814	-0.00101	0.004951	0.009579
26.76907	-0.00566	0.023941	-0.00577	0.025267
26.7738	-0.03055	-0.00109	-0.04131	0.05139
26.77852	0.001778	0.007252	0.03022	0.031129
26.78325	0.0018	0.011966	0.022852	0.025858
26.78798	-0.02076	0.003631	-0.02005	0.029091

26.7927	-0.02058	0.010691	0.013337	0.026755
26.79743	-0.03823	-0.0095	-0.0188	0.043647
26.80215	0.003598	0.003563	0.002706	0.005741
26.80688	-0.02497	0.001174	-0.02461	0.035075
26.8116	-0.01292	-5E-05	-0.03389	0.03627
26.81633	-0.02458	0.027238	0.017407	0.04061
26.82106	-0.01377	0.002054	0.003023	0.01425
26.82578	-0.01728	0.010286	-0.00175	0.020185
26.83051	-0.00532	0.006571	-0.01004	0.013127
26.83523	0.000623	0.004129	-0.02064	0.021055
26.83996	0.026672	-0.01963	-0.03945	0.051507
26.84468	0.039409	-0.00765	-0.02132	0.045456
26.84941	-0.0558	0.049253	0.108173	0.131304
26.85414	-0.00078	-0.01407	-0.0529	0.054742
26.85886	0.007669	0.06677	-0.01093	0.068092
26.86359	-0.01605	0.001058	-0.04643	0.049135
26.86831	0.010198	-0.0156	0.027515	0.033235
26.87304	-0.00893	0.030728	0.03559	0.047861
26.87776	-0.0054	0.022111	-0.02166	0.031418
26.88249	-0.0043	0.016008	-0.03927	0.042628
26.88722	0.006361	0.007542	-0.01047	0.014389
26.89194	-0.00796	0.00512	0.01453	0.017342
26.89667	-0.02218	0.00625	0.013221	0.026568
26.90139	-0.03148	0.013457	-0.00705	0.034956
26.90612	-0.02543	0.02059	-0.03547	0.048257
26.91084	-0.01119	-0.02101	-0.04466	0.050608
26.91557	-0.01247	0.027951	0.038765	0.049391
26.9203	-0.01736	0.024215	0.024206	0.038387
26.92502	-0.02574	0.005086	0.018072	0.031855
26.92975	-0.01863	0.009916	-0.00699	0.022234
26.93447	-0.00571	0.019493	-0.02591	0.032924
26.9392	-0.01788	0.023045	-0.0079	0.030215
26.94392	-0.00516	0.006397	-0.02088	0.022436
26.94865	-0.01279	0.009011	-0.01358	0.020716
26.95338	0.016382	0.008044	-0.01465	0.023401
26.9581	0.000239	-0.00472	-0.00621	0.007806
26.96283	0.004471	-0.002	0.022321	0.022852
26.96755	0.003585	0.020993	-0.02175	0.030442
26.97228	0.002776	0.020066	0.033013	0.038733
26.977	0.055375	-0.00331	-0.09776	0.112403
26.98173	0.02211	-0.01126	0.058486	0.063532
26.98646	-0.00119	-0.04146	-0.1603	0.165575
26.99118	0.12797	-0.20354	-0.14588	0.281226
26.99591	0.366378	-0.44662	-0.22174	0.618761
27.00063	0.404841	-0.50837	-0.10712	0.658644
27.00536	0.131246	0.030867	0.486988	0.505307
27.01008	-0.34664	0.53082	1.652715	1.770139
27.01481	-0.70848	0.702818	-1.71273	1.98226
27.01954	-0.20651	0.2247	-0.33518	0.453299
27.02426	0.075731	0.008213	0.125617	0.146909
27.02899	-0.03845	-0.08609	0.696421	0.702774
27.03371	0.024132	-0.04338	0.411784	0.414765

27.03844	-0.01181	0.080502	-0.19317	0.209607
27.04316	-0.02039	0.063895	-0.38375	0.389564
27.04789	-0.02902	0.00569	-0.14681	0.149755
27.05262	0.000615	-0.02037	0.232893	0.233783
27.05734	-0.00903	-0.00609	0.188236	0.188551
27.06207	-0.01035	0.015285	-0.03283	0.03766
27.06679	-0.0295	0.034365	-0.14289	0.149892
27.07152	-0.00928	0.008244	-0.03965	0.041551
27.07624	-0.00939	0.01066	0.065085	0.066617
27.08097	-0.01066	0.018877	0.087086	0.089743
27.0857	0.015403	0.022251	-0.01093	0.029186
27.09042	-0.00507	0.010299	-0.04524	0.046675
27.09515	-0.00046	0.012755	-0.04011	0.042096
27.09987	-0.01135	0.000882	-0.00656	0.013134
27.1046	0.006345	-0.00261	0.018415	0.019653
27.10932	-0.00336	-0.00375	0.017076	0.017803
27.11405	0.011973	0.007001	-0.00917	0.016625
27.11878	0.001048	0.00351	-0.01027	0.010906
27.1235	-0.02162	0.004807	0.009987	0.024297
27.12823	-0.00027	0.013101	0.01821	0.022435
27.13295	0.011405	-4.5E-05	-0.01279	0.017136
27.13768	0.005232	0.033246	-0.00319	0.033806
27.1424	0.016853	0.01407	0.009891	0.024079
27.14713	-0.00723	0.035379	0.000319	0.036112
27.15186	0.004519	0.019731	0.007435	0.021564
27.15658	0.005508	0.001812	-0.00212	0.006173
27.16131	0.024272	0.001839	0.009767	0.026228
27.16603	-0.00096	-0.00052	0.001381	0.001762
27.17076	-0.01047	-0.00402	-0.00219	0.011424
27.17548	0.010971	0.005534	0.009696	0.015653
27.18021	0.003757	-0.00279	0.00131	0.004859
27.18494	-0.01644	0.010313	-0.01531	0.024717
27.18966	-0.00203	0.011413	0.002615	0.011883
27.19439	-0.02685	-0.00048	0.004968	0.027305
27.19911	-0.0314	0.033963	0.014419	0.048449
27.20384	-0.02176	0.007607	0.005994	0.023822
27.20856	-0.01112	-0.00301	-0.00592	0.012951
27.21329	-0.00771	-0.01	-0.00231	0.012841
27.21802	-0.00308	-0.0015	-0.01771	0.018035
27.22274	-0.02219	0.000967	0.001425	0.02226
27.22747	-0.00321	-0.02627	-0.00333	0.026678
27.23219	-0.014	0.003649	-0.01754	0.022734
27.23692	-0.00449	0.008365	-0.00909	0.013144
27.24164	-0.00455	0.018973	0.009971	0.02191
27.24637	-0.00454	0.001019	-0.00554	0.007232
27.2511	0.015664	0.015318	-0.00312	0.022129
27.25582	0.00728	0.000981	0.014708	0.01644
27.26055	0.012085	0.022273	-0.0044	0.025719
27.26527	0.007402	-0.00396	0.000385	0.008403
27.27	0.00146	-0.00034	0.008688	0.008816
27.27472	0.014592	0.03403	0.007428	0.037764
27.27945	0.022897	0.004057	-0.00094	0.023272

27.28418	0.008561	0.006453	0.008561	0.013719
27.2889	-0.00684	0.006413	0.013236	0.016221
27.29363	0.000344	-0.00073	7.53E-05	0.000811
27.29835	-0.00207	0.000532	0.003636	0.004216
27.30308	0.007521	-0.00419	0.005979	0.010482
27.3078	0.007495	0.026678	0.014235	0.031154
27.31253	-0.01389	0.009888	-0.00843	0.019016
27.31726	0.005194	0.022927	0.020122	0.030944
27.32198	-0.00076	0.00258	0.00097	0.002859
27.32671	-0.00552	0.003788	0.000963	0.00676
27.33143	0.004043	0.007316	0.011633	0.014324
27.33616	0.005177	0.009656	-0.00033	0.010961
27.34088	0.015848	-0.00705	-0.00744	0.018874
27.34561	0.00872	0.019098	-0.00975	0.02315
27.35034	-0.00068	0.020153	-0.01323	0.024118
27.35506	0.005349	0.006906	-0.00363	0.00946
27.35979	-0.00292	0.018741	-0.00597	0.019886
27.36451	-0.00518	0.02689	-0.00236	0.027486
27.36924	0.009155	-0.00054	0.001219	0.009252
27.37396	-0.00036	-0.00286	-0.00591	0.006576
27.37869	0.006811	0.017358	-0.00111	0.01868
27.38342	0.025872	0.017227	0.013133	0.033743
27.38814	-0.00044	-0.00889	0.014215	0.016772
27.39287	0.002031	0.004262	-0.01082	0.011804
27.39759	-0.01198	0.004367	-0.01191	0.017447
27.40232	0.032451	0.00803	0.010734	0.035111
27.40704	0.008714	0.002045	-0.01664	0.018897
27.41177	-0.00295	0.0008	0.029765	0.029921
27.4165	0.012885	0.018562	0.034262	0.041042
27.42122	0.005921	-0.0089	-0.00399	0.011406
27.42595	8.62E-05	0.003058	-0.02531	0.025496
27.43067	-0.02129	-0.00051	0.00456	0.02178
27.4354	-0.01644	0.010211	-0.01209	0.02282
27.44012	0.020326	0.006679	-0.0191	0.028682
27.44485	0.011719	0.009151	-0.00114	0.014913
27.44958	-0.01228	0.012691	-0.00232	0.017812
27.4543	-0.00439	0.006526	-0.00705	0.01056
27.45903	-0.02622	-0.007	0.036898	0.045801
27.46375	0.005763	-0.0038	0.08285	0.083137
27.46848	-0.01159	-0.00084	0.012143	0.01681
27.4732	-0.00652	0.003903	-0.04494	0.045577
27.47793	0.106978	-0.14203	-0.02917	0.180185
27.48266	-0.04307	-0.01759	0.279543	0.283388
27.48738	-0.03254	0.233272	-0.06684	0.244833
27.49211	-0.09996	0.017194	-0.39376	0.406614
27.49683	0.05592	-0.01432	-0.03575	0.067896
27.50156	0.371165	-0.06753	0.11879	0.395519
27.50628	0.099183	-0.29545	0.232897	0.38906
27.51101	0.207537	-0.27412	-0.1843	0.390101
27.51574	0.42913	-0.27291	-0.04872	0.510886
27.52046	0.265004	-0.28691	0.306407	0.496418
27.52519	0.405262	-0.18416	0.048755	0.447803

27.52991	0.322403	-0.00625	-0.0798	0.33219
27.53464	0.159278	-0.10383	-0.09694	0.213416
27.53936	0.028274	-0.37141	-0.04275	0.374933
27.54409	-0.03988	-0.44092	0.008619	0.442807
27.54882	-0.09921	-0.1994	0.03226	0.225037
27.55354	-0.10513	0.017604	0.217059	0.24182
27.55827	-0.10335	0.139126	-0.11459	0.20777
27.56299	-0.1667	0.16704	-0.17179	0.291895
27.56772	-0.13749	0.184257	0.040815	0.233496
27.57244	-0.26521	0.216367	0.098589	0.356193
27.57717	-0.27261	0.270404	0.078755	0.391964
27.5819	-0.18052	0.245561	0.044847	0.308059
27.58662	-0.166	0.188852	0.029016	0.253104
27.59135	-0.15899	0.205895	0.027548	0.261593
27.59607	-0.07121	0.17126	0.074722	0.199961
27.6008	-0.06	0.146292	0.106078	0.190404
27.60552	0.015041	0.177646	-0.05027	0.185234
27.61025	-0.1485	0.037703	-0.17089	0.229517
27.61498	-0.32067	0.163915	-0.21219	0.417994
27.6197	-0.3915	0.358922	-0.1523	0.552534
27.62443	-0.16038	0.132642	-0.0668	0.218584
27.62915	0.069286	0.038966	-0.10421	0.131066
27.63388	0.051061	-0.00869	0.157681	0.16597
27.6386	0.044186	0.01634	0.200266	0.205732
27.64333	0.015985	-0.02545	0.057406	0.064796
27.64806	0.039119	0.023311	-0.07121	0.084526
27.65278	0.027401	0.0171	-0.10265	0.107615
27.65751	0.018196	-0.00348	0.029891	0.035166
27.66223	0.022302	-0.00624	0.120988	0.123185
27.66696	-0.00212	0.007541	0.083188	0.083556
27.67168	-0.00523	-0.00611	-0.02311	0.024469
27.67641	-0.00134	0.016165	-0.09767	0.099009
27.68114	-0.01544	0.025536	-0.13008	0.133458
27.68586	-0.014	0.026762	-0.0578	0.065218
27.69059	0.018213	0.015012	-0.01579	0.028396
27.69531	-0.0115	-0.00972	0.027064	0.030972
27.70004	-0.01013	0.0119	0.014978	0.021645
27.70476	0.020958	-0.02498	-0.00294	0.032739
27.70949	0.010341	-0.0106	0.032673	0.035873
27.71422	-0.0145	-0.01773	0.008671	0.024493
27.71894	-0.03568	0.081867	-0.00208	0.089328
27.72367	-0.11725	0.146187	0.012164	0.187793
27.72839	-0.16496	0.220691	0.019176	0.276197
27.73312	-0.29544	0.280644	-0.0581	0.411607
27.73784	-0.29778	0.345376	-0.09794	0.46642
27.74257	-0.13864	0.329349	-0.15405	0.389132
27.7473	-0.07473	0.258934	-0.12545	0.29727
27.75202	-0.11805	0.200826	0.057141	0.23986
27.75675	0.130814	0.130149	0.101771	0.210733
27.76147	0.230327	0.040952	-0.01177	0.234235
27.7662	0.413456	-0.05216	0.070214	0.422607
27.77092	0.856213	-0.01524	-0.03001	0.856874

27.77565	1.174568	0.01193	0.021276	1.174821
27.78038	1.660949	0.112431	0.005696	1.664759
27.7851	1.932724	0.201379	0.130242	1.947547
27.78983	1.968577	0.371655	0.095954	2.00565
27.79455	1.472748	0.432698	0.111773	1.539061
27.79928	1.746827	0.691562	-0.21898	1.891458
27.804	2.483584	1.02825	-0.15188	2.692313
27.80873	3.284296	1.352237	-0.10667	3.553382
27.81346	3.817953	1.619323	0.050879	4.147477
27.81818	4.067192	1.73567	0.024588	4.422127
27.82291	4.282182	1.44294	0.026989	4.518837
27.82763	4.290063	1.191745	0.55512	4.486987
27.83236	4.401236	0.964273	0.309483	4.516246
27.83708	4.71056	0.833745	-0.08039	4.784451
27.84181	5.64276	0.951003	-0.15074	5.724323
27.84654	6.402789	0.582101	0.004868	6.429197
27.85126	6.92371	0.460381	0.209291	6.942155
27.85599	6.914133	0.427748	-0.12899	6.928552
27.86071	6.155573	0.355865	-0.33895	6.175161
27.86544	5.483573	0.16416	-0.19615	5.489535
27.87016	4.211441	-0.57812	0.223726	4.256819
27.87489	4.053761	-0.93821	0.137567	4.16319
27.87962	4.339723	-0.92144	0.812616	4.510276
27.88434	3.483707	-1.19757	-0.31271	3.697051
27.88907	3.922374	-0.8947	0.220746	4.029172
27.89379	2.648967	-0.85486	0.275561	2.797097
27.89852	2.398879	-0.51854	0.557286	2.516758
27.90324	1.838845	-0.19967	0.138284	1.854816
27.90797	0.8105	-0.29008	0.282588	0.906043
27.9127	0.34932	-0.52357	-0.72138	0.957361
27.91742	-0.0758	0.168943	-1.38437	1.396696
27.92215	-0.08916	0.473159	-0.82278	0.953304
27.92687	-1.71572	0.370739	0.334072	1.786826
27.9316	-4.56925	-1.12709	3.010149	5.586537
27.93632	-5.52335	-3.43619	1.908102	6.779057
27.94105	-5.58864	-4.05115	-1.5652	7.077747
27.94578	-0.18388	-2.47209	-2.05297	3.218648
27.9505	0.999896	-0.85343	-0.95694	1.625999
27.95523	-1.78522	-0.72588	-1.30578	2.327867
27.95995	-2.23094	-0.65616	0.653361	2.415478
27.96468	-10.888	2.924675	-6.26652	12.89849
27.9694	-16.3329	3.426255	21.32531	27.07901
27.97413	-16.3336	-2.84612	-1.95338	16.69439
27.97886	-3.21823	-3.18193	-14.1862	14.89055
27.98358	2.183321	-0.82059	-3.8562	4.506722
27.98831	3.873803	0.608466	-0.77672	3.997483
27.99303	2.601582	1.943472	2.185356	3.914217
27.99776	3.354364	4.197923	7.772614	9.449225
28.00248	-1.50079	6.237744	2.877797	7.031609
28.00721	0.293223	4.295428	1.606855	4.595505
28.01194	-0.04326	2.187838	-1.45282	2.62663
28.01666	0.92835	1.133342	-6.01067	6.186638

28.02139	-0.96492	1.063143	-5.06254	5.262192
28.02611	-3.55918	1.151414	-2.22546	4.352727
28.03084	-6.75011	0.804761	6.567775	9.452369
28.03556	-7.66483	0.632719	4.894639	9.116329
28.04029	-6.3928	1.164104	2.325123	6.901397
28.04502	-5.62199	1.2571	-0.61622	5.793683
28.04974	-5.71218	1.088003	-2.12228	6.190057
28.05447	-6.34682	0.621937	-2.67404	6.915159
28.05919	-6.80805	-0.13782	-0.92612	6.872132
28.06392	-4.97213	0.306537	-0.40153	4.997724
28.06864	-4.02327	0.613447	0.72237	4.13338
28.07337	-2.96848	0.557937	0.204314	3.027362
28.0781	-1.4552	0.535848	1.1935	1.956828
28.08282	-0.49801	0.452983	1.273088	1.440127
28.08755	-0.41046	0.254851	0.475329	0.677764
28.09227	-0.59099	0.384503	0.135026	0.717879
28.097	-0.95674	0.455862	-1.29678	1.674753
28.10172	-1.31666	0.169283	-1.64157	2.111156
28.10645	-1.63766	0.071551	-0.59373	1.743432
28.11118	-1.80641	-0.05716	0.414544	1.854244
28.1159	-2.15634	-0.36317	1.050958	2.426147
28.12063	-2.50255	-0.48181	0.964763	2.725012
28.12535	-2.81989	-0.90518	-1.18957	3.191582
28.13008	-2.68273	-1.4744	-1.42689	3.377414
28.1348	-2.20888	-1.72667	1.30036	3.090543
28.13953	-2.15821	-1.98322	3.06921	4.243949
28.14426	-1.75154	-1.91103	-0.40853	2.624276
28.14898	-1.21293	-1.44506	-0.64236	1.992993
28.15371	-1.63034	-1.12981	-1.6966	2.610152
28.15843	-2.14705	-1.01288	-0.90207	2.53958
28.16316	-2.00511	-1.06975	-0.35585	2.300317
28.16788	-1.7386	-0.92649	1.109621	2.261059
28.17261	-1.68443	-1.14649	1.594428	2.587264
28.17734	-1.49117	-1.50533	0.479813	2.172517
28.18206	-1.22474	-2.19101	-1.08731	2.73546
28.18679	5.277896	0.769458	-0.14167	5.335572
28.19151	7.802548	1.904415	5.848856	9.935576
28.19624	-3.29291	-3.88094	2.567739	5.700724
28.20096	-6.03783	-5.77616	0.218984	8.35867
28.20569	-2.35195	-3.38595	-0.81756	4.202946
28.21042	-0.56927	-1.74512	-2.196	2.862154
28.21514	-2.08853	-0.81832	-4.80214	5.3002
28.21987	-2.88657	0.340295	-6.08677	6.74514
28.22459	-4.18592	1.007567	-5.18889	6.742528
28.22932	-4.85743	2.574655	-3.85476	6.714362
28.23404	-6.73882	4.360141	3.700583	8.83837
28.23877	-5.68612	6.436942	8.11202	11.81402
28.2435	-6.12913	6.49444	8.678717	12.45247
28.24822	-7.88464	5.422753	0.873374	9.609189
28.25295	-7.73007	4.582176	-2.6479	9.368117
28.25767	-7.59186	3.193205	-2.83931	8.711751
28.2624	-7.78239	2.3573	-1.98972	8.371469

28.26712	-6.91202	1.574674	-1.14717	7.181335
28.27185	-4.11833	1.280185	0.416036	4.332733
28.27658	-1.89856	0.987898	1.72991	2.751917
28.2813	-0.33321	0.805278	0.862612	1.226214
28.28603	-0.20314	0.720974	0.81133	1.10423
28.29075	0.396355	1.050301	-0.76814	1.360248
28.29548	1.338257	1.312823	-1.56771	2.443797
28.3002	2.013537	1.31503	-1.35295	2.759365
28.30493	1.902268	0.842198	0.658651	2.182142
28.30966	1.440239	0.457964	1.794181	2.34587
28.31438	2.07276	0.73353	0.267208	2.214904
28.31911	1.970702	0.996432	-0.04021	2.208656
28.32383	1.393501	1.385419	-1.00441	2.206824
28.32856	1.838516	0.928521	-1.211	2.38931
28.33328	3.001243	0.951592	-0.25228	3.158581
28.33801	2.853769	-0.10565	1.16166	3.082955
28.34274	1.884527	-0.57221	0.930786	2.178355
28.34746	1.649186	-0.58978	0.691825	1.883155
28.35219	1.877194	-0.57903	-0.38326	2.001503
28.35691	1.861566	-0.76886	-0.39231	2.051948
28.36164	1.563837	-0.84654	-0.05961	1.779259
28.36636	2.16476	-0.81754	-0.12167	2.317189
28.37109	2.412228	-0.85289	0.152132	2.563087
28.37582	2.493727	-0.84701	-0.10614	2.635784
28.38054	2.531748	-0.88994	-0.05699	2.684211
28.38527	2.381752	-0.91118	0.324286	2.570631
28.38999	1.948335	-0.96326	-0.17078	2.18015
28.39472	2.228639	-0.94205	0.124586	2.422771
28.39944	2.111135	-0.89317	0.395675	2.326198
28.40417	2.420783	-0.92814	-0.00392	2.592612
28.4089	2.751793	-0.8381	-0.23452	2.886135
28.41362	3.020436	-0.85757	-0.19	3.145562
28.41835	2.941857	-0.93676	-0.11565	3.089565
28.42307	3.163824	-1.00342	0.300335	3.332691
28.4278	2.979797	-1.08492	0.273671	3.182944
28.43252	2.974557	-0.95497	0.204018	3.130746
28.43725	3.065648	-0.93929	-0.1308	3.208982
28.44198	3.127313	-0.94735	-0.21906	3.274987
28.4467	3.171424	-0.9663	-0.02281	3.315447
28.45143	2.800746	-0.88745	0.060856	2.938613
28.45615	2.628747	-0.71685	0.003421	2.724737
28.46088	2.400738	-0.58935	0.028509	2.472184
28.4656	2.161942	-0.49777	-0.13761	2.222771
28.47033	2.008481	-0.46234	-0.03587	2.06132
28.47506	1.961127	-0.37678	0.007204	1.997006
28.47978	3.242909	0.1067	-0.04059	3.244918
28.48451	1.749092	-0.63268	-0.10266	1.862834
28.48923	1.394772	-0.42757	-0.07862	1.460953
28.49396	0.841683	-0.31832	0.148517	0.912038
28.49868	0.298615	-0.26361	-0.10019	0.410732
28.50341	-0.0696	-0.19089	-0.12632	0.239254
28.50814	-0.06012	-0.19859	0.141522	0.251155

28.51286	-0.04371	-0.18859	0.082819	0.210563
28.51759	0.102856	-0.19069	0.091104	0.235038
28.52231	0.242299	-0.17474	-0.04162	0.301619
28.52704	0.258958	-0.10846	-0.02124	0.281555
28.53176	0.183947	-0.04713	-0.02	0.190938
28.53649	0.115124	0.010322	0.033804	0.120428
28.54122	0.002477	-0.00051	0.027789	0.027904
28.54594	-0.07516	0.014869	0.082716	0.112746
28.55067	-0.15019	-0.04984	0.024055	0.160062
28.55539	-0.17606	0.009686	0.024015	0.177951
28.56012	-0.14218	0.077411	0.032339	0.16509
28.56484	0.081819	0.036383	-0.05136	0.103227
28.56957	-0.21759	0.070683	0.076547	0.241246
28.5743	-0.2598	0.153952	-0.05859	0.307621
28.57902	-0.10347	0.137833	0.04662	0.178542
28.58375	-0.18512	0.145627	0.009502	0.235727
28.58847	-0.21898	0.173751	0.032178	0.281385
28.5932	-0.23019	0.176788	-0.00253	0.290252
28.59792	-0.19116	0.168054	-0.01807	0.255167
28.60265	-0.13687	0.103364	-0.04075	0.17629
28.60738	-0.13402	0.05556	-0.0407	0.15068
28.6121	-0.11224	0.008918	0.009532	0.112997
28.61683	-0.1001	-0.03293	0.005934	0.105544
28.62155	-0.12519	-0.04725	0.003538	0.133851
28.62628	-0.11908	-0.02928	0.019067	0.124104
28.631	-0.12486	-0.02207	-0.02278	0.128828
28.63573	-0.16167	-0.0434	-0.02633	0.169452
28.64046	-0.07299	-0.05029	-0.02868	0.093161
28.64518	-0.08852	-0.02735	0.008399	0.093026
28.64991	-0.06595	-0.02836	0.006005	0.072044
28.65463	-0.05432	-0.00661	0.001227	0.054739
28.65936	-0.06781	-0.00394	4.29E-05	0.067927
28.66408	-0.04911	-0.00121	-0.04893	0.069341
28.66881	-0.01359	0.000471	-0.00465	0.014371
28.67354	-0.03543	-0.0063	0.018077	0.040269
28.67826	-0.02136	-0.0394	0.039575	0.059786
28.68299	-0.06589	-0.03306	0.007273	0.074077
28.68771	-0.06861	-0.01	0.016836	0.071351
28.69244	-0.08203	-0.02644	0.004878	0.086318
28.69716	-0.08712	-0.04407	-0.00587	0.097808
28.70189	-0.08015	-0.0247	0.013265	0.084916
28.70662	-0.07314	-0.0161	0.01445	0.076275
28.71134	-0.08394	-0.04343	0.007266	0.094787
28.71607	-0.08989	-0.01814	0.015626	0.093028
28.72079	-0.0933	-0.01914	0.016805	0.096713
28.72552	-0.10033	-0.00824	0.014397	0.101688
28.73024	-0.10023	-0.03801	0.003627	0.10726
28.73497	-0.11335	-0.02344	-0.0131	0.116491
28.7397	-0.1169	-0.01603	-0.0071	0.118207
28.74442	-0.10381	-0.0302	-0.00231	0.10814
28.74915	-0.0847	-0.03723	0.01562	0.093828
28.75387	-0.0677	-0.0408	0.080124	0.11255

28.7586	-0.10835	0.008129	-0.01557	0.109762
28.76332	-0.11779	-0.00037	-0.05499	0.129992
28.76805	-0.11486	-0.02085	-0.03103	0.120794
28.77278	-0.10099	-0.06289	0.04786	0.128235
28.7775	-0.10153	-0.04857	0.010749	0.113058
28.78223	-0.11675	-0.04236	-0.02033	0.125856
28.78695	-0.10488	-0.02184	-0.04061	0.114566
28.79168	-0.08826	-0.03137	0.041891	0.102613
28.7964	-0.08334	-0.04463	0.056173	0.109965
28.80113	-0.07704	-0.01247	0.01547	0.079557
28.80586	-0.09104	0.004335	-0.08492	0.12458
28.81058	-0.09446	-0.0157	-0.11707	0.15125
28.81531	-0.10798	-0.02107	-0.07987	0.135948
28.82003	-0.10785	-0.01676	0.0063	0.10933
28.82476	-0.1096	-0.02307	0.003946	0.112075
28.82948	-0.09765	-0.01363	-0.0199	0.100583
28.83421	-0.10879	-0.01366	-0.04968	0.120375
28.83894	-0.10581	-0.03163	0.006616	0.110631
28.84366	-0.09082	-0.05094	0.047302	0.114372
28.84839	-0.0828	-0.0285	0.053281	0.102503
28.85311	-0.06497	-0.04075	0.018622	0.078921
28.85784	-0.08034	-0.02658	-0.02675	0.08875
28.86256	-0.06932	-0.02548	-0.03144	0.080266
28.86729	-0.09296	-0.02925	0.01168	0.098154
28.87202	-0.10222	-0.02966	0.072659	0.128876
28.87674	-0.11173	-0.01324	-0.04328	0.120547
28.88147	-0.12025	-0.02284	-0.05749	0.135233
28.88619	-0.11231	-0.01692	-0.03225	0.118064
28.89092	-0.12961	-0.03029	0.049122	0.141873
28.89564	-0.11189	-0.04876	0.094531	0.15438
28.90037	-0.07298	-0.05821	0.224691	0.243313
28.9051	-0.0703	-0.03424	0.049971	0.092799
28.90982	-0.06243	0.001805	-0.17594	0.186693
28.91455	-0.02026	-0.05983	0.100692	0.118865
28.91927	0.064145	-0.12662	1.178149	1.186669
28.924	-0.20481	0.067658	-1.07654	1.097936
28.92872	-0.01448	0.034522	-0.34748	0.349486
28.93345	-0.16659	0.032578	-0.35529	0.393755
28.93818	-0.13287	-0.07607	0.529185	0.550887
28.9429	-0.15	-0.08338	0.353931	0.393345
28.94763	-0.08256	-0.01576	0.073359	0.111564
28.95235	-0.06656	0.041326	0.00158	0.078363
28.95708	-0.07286	0.032094	-0.543	0.548806
28.9618	-0.0069	0.037859	0.165069	0.169495
28.96653	-0.05726	-0.04862	0.128056	0.148462
28.97126	-0.06697	-0.01453	0.233727	0.243564
28.97598	-0.08455	-0.01711	-0.19538	0.213572
28.98071	-0.08825	0.002975	0.023343	0.091336
28.98543	-0.11504	-0.02572	0.001775	0.117896
28.99016	-0.08585	-0.01507	-0.03266	0.093078
28.99488	-0.08571	-0.01885	0.093354	0.128125
28.99961	-0.07585	-0.04527	0.075943	0.116492

29.00434	-0.07049	-0.02263	-0.08251	0.110853
29.00906	-0.09122	0.003658	-0.13879	0.166118
29.01379	-0.10113	1.28E-05	0.018966	0.102896
29.01851	-0.07666	-0.04299	0.16116	0.183569
29.02324	-0.07285	-0.00957	-0.13325	0.152164
29.02796	-0.03706	-0.0109	0.032763	0.050651
29.03269	-0.08368	-0.02866	-0.02684	0.092436
29.03742	-0.0764	-0.0451	-0.01476	0.089937
29.04214	-0.10406	-0.02564	-0.03718	0.113438
29.04687	-0.05405	-0.02544	-0.0523	0.079397
29.05159	-0.06178	-0.01106	0.133218	0.147263
29.05632	-0.08725	-0.03004	-0.0601	0.110119
29.06104	-0.07801	-0.01781	-0.04062	0.089734
29.06577	-0.04519	-0.01527	0.028536	0.055585
29.0705	-0.08965	-0.0223	-0.04882	0.104491
29.07522	-0.04707	-0.02462	0.059542	0.079793
29.07995	-0.07152	0.00895	-0.06909	0.099838
29.08467	-0.05738	-0.01838	0.010976	0.061248
29.0894	-0.0722	0.002958	0.118844	0.139086
29.09412	-0.08331	-0.01365	-0.09215	0.124971
29.09885	-0.07175	-0.00643	0.035569	0.080338
29.10358	-0.08309	0.009162	-0.08693	0.120597
29.1083	-0.0623	-0.006	-0.02094	0.066001
29.11303	-0.06796	-0.03177	0.029075	0.080457
29.11775	-0.07706	-0.03031	0.058496	0.101382
29.12248	-0.05956	-0.03509	0.127999	0.145474
29.1272	-0.06219	0.014834	-0.00477	0.064116
29.13193	-0.0613	0.013791	-0.16253	0.174249
29.13666	-0.07837	0.000963	-0.10422	0.130397
29.14138	-0.07077	-7.6E-05	0.034285	0.078637
29.14611	-0.06102	-0.04515	0.114679	0.137523
29.15083	-0.0715	-0.03638	0.024747	0.083957
29.15556	-0.0461	-0.02996	-0.02291	0.059561
29.16028	-0.04212	-0.05344	-0.0334	0.075796
29.16501	-0.04864	-0.04487	0.038058	0.076337
29.16974	-0.0453	-0.04013	0.05671	0.082937
29.17446	-0.03468	-0.03314	0.033676	0.058608
29.17919	-0.01918	-0.02146	-0.01764	0.033757
29.18391	-0.0548	-0.03242	-0.02938	0.070126
29.18864	-0.02494	-0.02548	0.017115	0.039547
29.19336	-0.03557	-0.01269	0.032375	0.049747
29.19809	-0.04975	9.78E-05	5.44E-05	0.049753
29.20282	-0.06278	-0.01439	-0.02131	0.067845
29.20754	-0.06632	-0.01208	0.006142	0.067691
29.21227	-0.09529	-0.00379	-0.03544	0.101742
29.21699	-0.06951	-0.00135	-0.04582	0.083262
29.22172	-0.07943	-0.025	0.006763	0.083543
29.22644	-0.09874	-0.0141	0.004333	0.099839
29.23117	-0.07157	-0.0283	0.03514	0.084605
29.2359	-0.08013	-0.04007	0.024164	0.092794
29.24062	-0.04819	-0.0067	0.023955	0.054228
29.24535	-0.01741	-0.04734	0.024927	0.056269

29.25007	-0.05129	0.021443	-0.02987	0.063107
29.2548	-0.03114	-0.00538	2E-05	0.031602
29.25952	-0.00388	-0.03296	4.77E-06	0.033192
29.26425	-0.02909	0.008612	0.011858	0.032574
29.26898	-0.01137	0.001128	0.025983	0.028385
29.2737	0.000209	-0.02535	0.048293	0.054541
29.27843	-0.00848	-0.0031	0.009907	0.013401
29.28315	0.000889	-0.01646	-0.00206	0.016612
29.28788	-0.01731	-0.00713	-0.0151	0.02405
29.2926	-0.04392	-0.01213	-0.03397	0.056837
29.29733	-0.02885	-0.00875	-0.01353	0.033042
29.30206	-0.04474	-0.02182	-0.05851	0.076819
29.30678	-0.05357	-0.0097	-0.0687	0.087656
29.31151	-0.06241	-0.02976	0.00662	0.069461
29.31623	-0.08653	-0.01065	0.042154	0.096842
29.32096	-0.07136	-0.01316	0.051288	0.088855
29.32568	-0.08249	-0.00709	-0.06066	0.102641
29.33041	-0.03899	0.025058	-0.05423	0.071332
29.33514	-0.05988	-0.00477	0.006735	0.060447
29.33986	-0.06399	-0.00476	-0.00163	0.06419
29.34459	-0.04913	-0.01421	-0.02653	0.057616
29.34931	-0.03085	0.004922	-0.02512	0.040087
29.35404	-0.05185	-0.00927	0.005935	0.053009
29.35876	-0.06325	-0.01386	-0.00835	0.065286
29.36349	-0.0499	0.006345	0.00477	0.050531
29.36822	-0.07459	0.029951	-0.04035	0.089941
29.37294	-0.00957	-0.03656	0.053714	0.065674
29.37767	-0.0308	-0.01939	-0.01436	0.03912
29.38239	-0.03878	-0.02379	0.04153	0.061599
29.38712	-0.02185	-0.00937	0.063726	0.068016
29.39184	-0.02753	-0.01268	-0.04121	0.051157
29.39657	-0.01059	0.005546	-0.0456	0.047143
29.4013	0.00024	0.001063	-0.02267	0.022699
29.40602	-0.04365	-0.0153	-0.02248	0.051429
29.41075	-0.00883	-0.02208	0.021613	0.032136
29.41547	-0.01224	-0.00385	-0.00466	0.013648
29.4202	-0.01092	-0.00227	-0.01292	0.017071
29.42492	-0.02999	-0.00423	-0.0128	0.032881
29.42965	-0.02288	0.016274	0.000363	0.028079
29.43438	-0.03247	-0.01691	0.016975	0.040352
29.4391	-0.04786	-0.01313	0.027516	0.056749
29.44383	-0.05471	-0.02598	0.005935	0.060862
29.44855	-0.04603	-0.02584	0.0308	0.061113
29.45328	-0.05523	-0.03521	0.030541	0.072268
29.458	-0.05597	0.003034	-0.01717	0.058626
29.46273	-0.03657	0.000637	-0.01466	0.039401
29.46746	-0.03154	0.008825	0.02343	0.040268
29.47218	-0.04915	-0.0044	-0.0005	0.049347
29.47691	-0.05114	0.011078	-0.00286	0.052409
29.48163	-0.04119	-0.00914	-0.01708	0.045518
29.48636	-0.02424	-0.00786	0.006795	0.026377
29.49108	-0.02762	-0.03036	0.00911	0.042039

29.49581	-0.03925	-0.00873	-0.00283	0.040304
29.50053	-0.00808	-0.02412	0.01499	0.029529
29.50526	0.00389	-0.00853	-0.01124	0.014633
29.50999	-0.01149	0.002194	0.006651	0.013453
29.51471	-0.00666	-0.02748	0.011341	0.03047
29.51944	0.008769	-0.01067	0.007688	0.015808
29.52416	0.003945	-0.00707	0.011181	0.013802
29.52889	0.001603	-0.00228	0.014647	0.014909
29.53361	-0.01491	-0.0142	-0.0009	0.020616
29.53834	-0.01598	-0.02245	-0.00801	0.028697
29.54307	-0.03947	-0.01877	-0.01151	0.045197
29.54779	-0.03669	-0.01868	-0.0043	0.041395
29.55252	-0.0399	0.00636	-0.00545	0.040774
29.55724	-0.03229	-0.01759	0.013576	0.039196
29.56197	-0.03303	0.015666	-0.00671	0.037168
29.56669	-0.03491	0.003573	-0.00666	0.035715
29.57142	-0.03328	-0.01079	0.004072	0.035225
29.57615	-0.0364	0.003395	-0.0102	0.037957
29.58087	-0.01926	0.019851	-0.00656	0.028424
29.5856	-0.03437	0.011254	-0.01126	0.037879
29.59032	-0.04583	0.012305	-0.00286	0.047538
29.59505	-0.03237	0.001469	-0.02419	0.040442
29.59977	-0.02734	0.001331	0.004478	0.027732
29.6045	-0.02242	-0.02129	0.010372	0.032615
29.60923	-0.02702	-0.01174	0.006723	0.030214
29.61395	-0.0328	-0.00342	0.001921	0.033034
29.61868	-0.00646	-0.01771	-0.00403	0.019277
29.6234	-0.01472	-0.02122	-0.00993	0.027667
29.62813	-0.02998	-0.01871	-0.00392	0.035558
29.63285	0.002298	-0.01975	-0.00626	0.020849
29.63758	0.007018	-0.00299	0.004474	0.008845
29.64231	-0.00377	-0.00307	0.017486	0.018148
29.64703	0.021146	-0.00913	-0.00402	0.02338
29.65176	0.005498	0.002743	-0.01111	0.012694
29.65648	0.007748	0.000193	0.015083	0.016958
29.66121	0.031362	-0.00828	0.010208	0.034006
29.66593	0.061852	0.005757	0.032659	0.070181
29.67066	0.09919	0.010187	0.011024	0.10032
29.67539	0.150521	0.003985	-0.0045	0.150641
29.68011	0.214538	-0.0069	-0.0009	0.214651
29.68484	0.328861	-0.02963	0.021642	0.330902
29.68956	0.77515	0.053287	-0.02126	0.777271
29.69429	1.481244	0.456904	0.124844	1.555131
29.69901	1.845473	0.694771	-0.01264	1.971963
29.70374	2.124051	0.726966	-0.12169	2.248306
29.70847	2.16455	0.643151	-0.09694	2.260159
29.71319	1.254312	0.313119	-0.03799	1.293362
29.71792	2.071023	-0.01688	-0.51461	2.134067
29.72264	3.236696	0.079083	0.035457	3.237856
29.72737	3.525211	0.079253	0.325839	3.541125
29.73209	4.035428	0.131979	0.377705	4.055214
29.73682	4.612621	0.244014	-0.07323	4.619652

29.74155	4.724809	0.391095	-0.1257	4.742634
29.74627	4.948175	0.565914	-0.15061	4.982708
29.751	4.873788	0.964146	0.018085	4.968271
29.75572	4.849517	1.070452	0.012121	4.966269
29.76045	5.049779	1.018496	0.216464	5.156012
29.76517	5.206619	0.987942	0.217418	5.303978
29.7699	4.864424	0.917037	0.036764	4.950245
29.77463	4.448614	0.809739	-0.20094	4.52617
29.77935	4.093866	0.80804	-0.71315	4.233349
29.78408	4.622324	0.775658	0.577132	4.722352
29.7888	4.988211	0.485177	0.343496	5.023508
29.79353	4.745115	0.16702	-0.1204	4.74958
29.79825	4.415325	-0.04296	-0.22165	4.421094
29.80298	3.992664	-0.16191	0.351114	4.011341
29.80771	2.489265	-0.15455	0.080778	2.495366
29.81243	2.331012	0.044994	-0.00039	2.331447
29.81716	1.99702	-0.20906	0.280567	2.027439
29.82188	1.286825	-0.55153	-0.22983	1.418776
29.82661	0.640995	-0.83163	-0.10873	1.05561
29.83133	0.675895	-0.62811	0.363507	0.991714
29.83606	1.079297	-0.29716	0.107354	1.124594
29.84079	0.970896	-0.43011	0.693814	1.268468
29.84551	-0.43963	-0.2293	0.191016	0.531354
29.85024	-1.60051	0.228731	-0.65862	1.745779
29.85496	-1.65785	0.800296	-1.04698	2.117806
29.85969	0.077571	1.462435	-0.06075	1.46575
29.86441	0.920306	1.231747	0.755529	1.71318
29.86914	-1.80557	1.025415	0.608835	2.163847
29.87387	-3.57329	0.559616	-1.29402	3.841365
29.87859	-4.69106	1.33972	-0.38292	4.893621
29.88332	-5.33575	1.821992	1.051485	5.735458
29.88804	-4.7996	1.448485	0.373927	5.02733
29.89277	-3.96414	1.137004	-0.47235	4.150941
29.89749	-3.74473	0.881451	-0.09045	3.848139
29.90222	-3.20947	0.648862	0.633817	3.335178
29.90695	-2.94128	0.472432	0.098969	2.980626
29.91167	-2.53006	0.220664	-0.34796	2.563387
29.9164	-2.18882	-0.17222	0.056357	2.196305
29.92112	-2.00869	-0.59344	0.501891	2.153814
29.92585	-2.19465	-1.17116	-0.0724	2.488642
29.93057	-2.10754	-1.50482	-0.41411	2.622539
29.9353	-2.44136	-1.79784	-0.44345	3.064164
29.94003	-2.45813	-1.86731	-0.15128	3.090654
29.94475	-2.52121	-1.77642	0.122564	3.086616
29.94948	-2.54579	-1.39397	0.436658	2.935106
29.9542	-2.1255	-0.96183	0.0896	2.334714
29.95893	-0.71933	-1.13588	-0.08853	1.347409
29.96365	-1.07127	-1.0332	-0.58894	1.600615
29.96838	-1.5464	-0.97629	-0.42203	1.876866
29.97311	-1.94916	-0.97398	0.751848	2.305022
29.97783	-2.53188	-0.85662	0.72686	2.769931
29.98256	-3.58152	-0.56522	0.069114	3.626506

29.98728	-7.50421	3.093335	-6.0711	10.13608
29.99201	-4.41193	-0.10292	9.950842	10.88554
29.99673	-6.34846	-1.00719	-0.6868	6.464447
30.00146	-5.8086	-0.41091	-5.72839	8.168424
30.00619	-5.59698	-0.04229	1.808199	5.881968
30.01091	-5.17662	-0.34036	-1.81208	5.495164
30.01564	-4.91962	-1.02626	1.828815	5.34794
30.02036	-4.36732	-1.23023	0.208626	4.542076
30.02509	-4.05274	-1.67221	0.719767	4.442864
30.02981	-4.0353	-1.91165	0.25868	4.47269
30.03454	-3.5925	-2.61753	0.510224	4.474128
30.03927	-2.87094	-2.80444	-0.96743	4.128325
30.04399	-3.34198	-2.90682	-1.66636	4.732357
30.04872	-3.09981	-2.66024	-0.47879	4.112778
30.05344	-3.44447	-2.79595	1.547103	4.698429
30.05817	-4.01297	-2.25947	1.667974	4.898087
30.06289	-4.64507	-1.01557	0.731123	4.810672
30.06762	-5.49104	0.763851	0.014158	5.543935
30.07235	-6.03296	2.238598	-0.31473	6.442596
30.07707	-6.46197	3.597432	-0.30378	7.402085
30.0818	-7.44283	4.069815	-0.58307	8.502886
30.08652	-7.95187	4.421705	-1.14744	9.170627
30.09125	-7.8477	4.500523	-0.00241	9.046604
30.09597	-7.92569	3.864688	0.746835	8.849303
30.1007	-7.64413	2.936225	0.272728	8.193198
30.10543	-7.45996	2.244266	0.090783	7.79076
30.11015	-6.03808	1.48033	-0.31673	6.224961
30.11488	-4.8116	1.110292	-0.19558	4.941913
30.1196	-4.52303	0.867478	0.317314	4.616385
30.12433	-2.57476	0.33982	0.626386	2.671558
30.12905	-1.69423	-0.15614	0.221711	1.715799
30.13378	-0.64721	-0.37718	-0.12269	0.759078
30.13851	-0.1397	-0.40632	-0.28502	0.515607
30.14323	-0.193	-0.54041	0.04394	0.575518
30.14796	-0.18031	-0.43124	-0.03021	0.468388
30.15268	0.103504	-0.29272	-0.12569	0.334958
30.15741	0.19709	-0.07401	-0.29512	0.362514
30.16213	0.495885	-0.06633	1.427118	1.512272
30.16686	0.188896	0.109932	-0.06835	0.228994
30.17159	0.324918	0.409973	0.183788	0.554462
30.17631	0.694058	0.275523	-0.60632	0.961903
30.18104	0.628553	0.372654	-1.22452	1.425977
30.18576	1.179978	0.766083	-0.77008	1.603825
30.19049	1.100183	1.116052	0.204774	1.580477
30.19521	0.634876	1.261121	1.375494	1.971161
30.19994	-0.00155	1.43793	1.346207	1.969751
30.20467	-0.15802	1.443097	0.227209	1.469395
30.20939	0.182369	1.43858	-0.74098	1.628442
30.21412	0.323339	1.298492	-0.54767	1.445881
30.21884	0.796501	1.072316	-0.30562	1.370283
30.22357	1.61772	0.5273	0.098617	1.704344
30.22829	2.566314	0.70738	0.446198	2.699156

30.23302	2.148277	0.046898	-0.53537	2.214478
30.23775	2.614806	-0.05352	-0.01251	2.615384
30.24247	2.727658	-0.04336	0.307733	2.745305
30.2472	2.702398	-0.08691	0.527184	2.75471
30.25192	2.725368	-0.01126	0.025834	2.725514
30.25665	3.172608	-0.04849	-0.00527	3.172983
30.26137	3.326258	0.024262	-0.4617	3.358236
30.2661	3.686135	0.02208	-0.3428	3.702107
30.27083	3.882596	-0.18354	0.139198	3.889424
30.27555	4.039115	-0.41031	0.351719	4.075109
30.28028	3.860314	-0.5134	0.412208	3.916059
30.285	3.778167	-0.51025	0.219296	3.818769
30.28973	3.79987	-0.56511	-0.15021	3.844596
30.29445	4.021398	-0.60384	-0.33522	4.080274
30.29918	4.042515	-0.7283	-0.2404	4.114625
30.30391	3.881321	-0.77116	-0.17676	3.961134
30.30863	3.537445	-0.81398	-0.03912	3.630098
30.31336	3.276159	-0.7984	0.000367	3.372041
30.31808	2.99107	-0.69214	0.057726	3.07065
30.32281	2.733522	-0.59666	-0.03434	2.798093
30.32753	2.544335	-0.52728	-0.0773	2.599545
30.33226	2.367413	-0.42689	-0.11303	2.408246
30.33699	2.239855	-0.45234	0.104604	2.287466
30.34171	2.128279	-0.4038	-0.00546	2.166254
30.34644	2.011997	-0.44013	0.024431	2.059718
30.35116	1.906523	-0.44052	-0.06999	1.958005
30.35589	1.775828	-0.49703	-0.07825	1.845731
30.36061	1.695647	-0.525	0.090339	1.777359
30.36534	1.480525	-0.56618	0.003002	1.585094
30.37007	1.26452	-0.53681	0.026901	1.374007
30.37479	1.095365	-0.51942	-0.07709	1.214729
30.37952	0.675713	-0.41007	0.030554	0.790999
30.38424	0.044838	-0.11926	-0.01489	0.128281
30.38897	-0.12022	-0.04148	-0.01248	0.127786
30.39369	-0.14439	0.017248	-0.01245	0.145946
30.39842	-0.13951	0.041119	-0.0674	0.160301
30.40315	-0.15516	0.069568	0.122676	0.209677
30.40787	-0.15966	0.094297	0.059183	0.194641
30.4126	-0.19637	0.127539	-0.06397	0.242733
30.41732	-0.19705	0.096304	-0.02207	0.220434
30.42205	-0.17604	0.056733	-0.04476	0.190292
30.42677	-0.15253	0.015835	0.081943	0.17387
30.4315	-0.17683	0.010682	0.054338	0.185301
30.43623	-0.17735	-0.0171	0.008846	0.178388
30.44095	-0.18749	-0.01117	-0.04375	0.192851
30.44568	-0.16546	-0.02309	-0.03772	0.171269
30.4504	-0.16266	-0.02544	-0.01976	0.165815
30.45513	-0.172	-0.05292	0.018504	0.180909
30.45985	-0.1563	-0.03854	0.002947	0.161012
30.46458	-0.12755	-0.03252	0.000555	0.131631
30.46931	-0.15616	-0.03952	-0.01139	0.161487
30.47403	-0.13927	-0.02389	-0.01615	0.142227

30.47876	-0.12359	-0.01903	-0.00657	0.125215
30.48348	-0.14849	-0.02851	-0.00059	0.151205
30.48821	-0.14226	-0.0547	-0.00298	0.152443
30.49293	-0.10729	-0.13586	-0.00417	0.173166
30.49766	-0.0855	-0.26463	-0.02806	0.279512
30.50239	-0.09842	-0.27395	0.003036	0.291107
30.50711	-0.13544	-0.16983	0.036488	0.220265
30.51184	-0.16526	-0.13265	-0.03764	0.215229
30.51656	-0.15653	-0.13264	-0.03402	0.207973
30.52129	-0.17507	-0.1459	0.167952	0.283099
30.52601	-0.20329	-0.0979	-0.23734	0.327478
30.53074	-0.21727	-0.06541	0.028229	0.228652
30.53547	-0.22786	-0.05699	-0.01124	0.235147
30.54019	-0.2038	-0.08585	0.091536	0.239338
30.54492	-0.18706	-0.05866	0.001798	0.19605
30.54964	-0.26469	0.024557	0.066313	0.273978
30.55437	-0.14608	-0.00311	-0.00905	0.146396
30.55909	-0.15296	-0.02311	-0.18589	0.241833
30.56382	-0.14403	0.039396	-0.10081	0.180168
30.56855	-0.17831	-0.01318	0.077353	0.194811
30.57327	-0.16243	-0.0743	0.0892	0.199651
30.578	-0.16579	-0.05779	0.096251	0.200222
30.58272	-0.15255	-0.06496	-0.03411	0.169281
30.58745	-0.19311	-0.04452	-0.06155	0.207512
30.59217	-0.19415	-0.11002	-0.04713	0.228081
30.5969	-0.14732	-0.10027	-0.016	0.178922
30.60163	-0.18538	-0.15037	0.044958	0.242896
30.60635	-0.17569	-0.10378	0.019805	0.20501
30.61108	-0.19338	-0.09071	0.01858	0.2144
30.6158	-0.17882	-0.04901	-0.00893	0.185624
30.62053	-0.17496	-0.00606	-0.02326	0.1766
30.62525	-0.21295	-0.01809	-0.01607	0.21432
30.62998	-0.20183	0.015172	-0.01366	0.202859
30.63471	-0.21939	0.070995	0.0437	0.234696
30.63943	-0.19284	0.087391	-0.01969	0.21263
30.64416	-0.19014	0.102605	-0.00892	0.216242
30.64888	-0.16715	0.102327	-0.0579	0.204362
30.65361	-0.21938	0.094916	-0.05783	0.245931
30.65833	-0.21171	0.033702	0.076059	0.227469
30.66306	-0.15759	0.043109	-0.06504	0.175847
30.66779	-0.17046	2.82E-05	0.036607	0.174344
30.67251	-0.12371	-0.01895	-0.08412	0.150795
30.67724	-0.14864	-0.0034	0.067739	0.163385
30.68196	-0.17855	0.014479	-0.02196	0.180476
30.68669	-0.13786	0.005006	0.019895	0.13938
30.69141	-0.11978	-0.01288	0.017481	0.121729
30.69614	-0.16042	-0.00806	0.036579	0.164734
30.70087	-0.17573	0.036123	0.010245	0.179695
30.70559	-0.15532	0.082635	0.00187	0.175945
30.71032	-0.1421	0.059872	-0.00649	0.154338
30.71504	-0.17426	0.03842	-0.05308	0.186176
30.71977	-0.16213	0.031237	0.054527	0.173879

30.72449	-0.16423	0.05024	-0.00648	0.171862
30.72922	-0.1269	0.010557	0.013831	0.128091
30.73395	-0.12772	0.019816	0.08789	0.156304
30.73867	-0.11408	-0.02337	-0.05204	0.127548
30.7434	-0.13263	-0.06286	-0.02928	0.149666
30.74812	-0.18481	-0.05327	-0.06868	0.204228
30.75285	-0.15802	-0.08312	-0.00288	0.178569
30.75757	-0.17916	-0.11549	0.043722	0.217596
30.7623	-0.15982	-0.10481	-0.03401	0.194124
30.76703	-0.14761	-0.06783	0.018606	0.163506
30.77175	-0.17252	-0.07742	-0.01727	0.189883
30.77648	-0.15315	-0.0105	-0.05429	0.162825
30.7812	-0.10517	0.024151	0.012692	0.108656
30.78593	-0.08764	0.045207	0.005466	0.098766
30.79065	-0.08699	0.031757	-0.00644	0.092826
30.79538	-0.08989	0.074158	-0.00164	0.116542
30.80011	-0.05008	0.049806	-0.00637	0.07092
30.80483	-0.0461	0.029093	-0.00395	0.054656
30.80956	-0.09301	0.031137	0.070823	0.120983
30.81428	-0.16217	-0.09019	-0.02587	0.187357
30.81901	-0.22117	-0.12275	-0.02922	0.254632
30.82373	-0.20725	-0.06259	0.051694	0.222577
30.82846	-0.19357	-0.03157	0.05244	0.203012
30.83319	-0.1979	-0.03152	-0.02987	0.202613
30.83791	-0.1714	-0.02655	-0.04979	0.180452
30.84264	-0.07281	0.009242	-0.03513	0.081368
30.84736	-0.07574	-0.01456	0.01855	0.079326
30.85209	-0.19138	-0.08326	-0.05516	0.215876
30.85681	-0.25388	-0.15979	0.010548	0.300163
30.86154	-0.27537	-0.1659	0.044858	0.324603
30.86627	-0.29573	-0.02849	0.080068	0.307696
30.87099	-0.2587	0.10426	0.020067	0.279638
30.87572	-0.12738	0.113897	-0.05841	0.180581
30.88044	-0.0066	0.162906	-0.13385	0.210943
30.88517	0.070275	0.129714	-0.02476	0.149591
30.88989	0.08949	0.086038	0.009863	0.124532
30.89462	0.064523	0.084184	0.056061	0.119971
30.89935	-0.19359	0.079851	0.118475	0.240602
30.90407	-0.30505	0.042361	-0.03675	0.310158
30.9088	0.017837	-0.04342	-0.05068	0.069077
30.91352	-0.1793	-0.00866	-0.02178	0.180827
30.91825	-0.18953	-0.01575	0.024671	0.191777
30.92297	-0.06814	-0.03222	-0.00994	0.076025
30.9277	-0.10092	-0.03664	-0.02291	0.109779
30.93243	-0.20101	0.007643	0.031862	0.20366
30.93715	-0.1985	0.000623	-0.04195	0.202883
30.94188	-0.04406	0.001868	-0.00363	0.044248
30.9466	-0.08317	0.007893	0.009456	0.084074
30.95133	-0.07688	0.05887	0.044974	0.106769
30.95605	-0.04326	0.071362	0.046975	0.095765
30.96078	-0.02633	0.058807	0.005055	0.064633
30.96551	-0.04984	0.010935	-0.01753	0.053951

30.97023	-0.10153	0.013252	-0.03874	0.109478
30.97496	-0.05082	-0.04021	0.030398	0.071583
30.97968	-0.00633	-0.06369	0.015904	0.065946
30.98441	-0.11883	-0.0811	0.028817	0.146726
30.98913	-0.09517	-0.06524	-0.01177	0.115983
30.99386	-0.1369	-0.06841	0.034594	0.1569
30.99859	-0.19492	-0.08222	-0.0618	0.220393
31.00331	-0.16588	-0.06384	0.015829	0.178441
31.00804	-0.15143	0.00295	-0.03532	0.155522
31.01276	-0.1395	-0.01377	-0.00062	0.14018
31.01749	-0.08615	0.026652	-0.03384	0.096315
31.02221	-0.06535	0.024168	-0.02525	0.074113
31.02694	-0.07562	0.014502	0.012928	0.078078
31.03167	-0.11922	0.045202	0.021128	0.129238
31.03639	-0.09353	0.036439	0.01858	0.102087
31.04112	-0.10248	0.047992	-0.01242	0.11384
31.04584	-0.02104	0.042926	-0.00045	0.047805
31.05057	-0.02921	0.014145	-0.00044	0.032458
31.05529	-0.10131	-0.01685	0.005491	0.102851
31.06002	-0.08968	0.000997	0.043408	0.099637
31.06475	-0.09824	-0.0181	0.01694	0.101322
31.06947	-0.13403	-0.03939	-0.01524	0.140527
31.0742	-0.14236	-0.04869	-0.04122	0.155998
31.07892	-0.15291	-0.06504	-0.00054	0.166167
31.08365	-0.18602	-0.02902	-0.0041	0.188317
31.08837	-0.14545	-0.02045	0.000685	0.14688
31.0931	-0.0757	-0.03323	-0.03491	0.089743
31.09783	-0.05054	-0.03408	-0.02037	0.064269
31.10255	-0.08382	-0.02308	-0.00952	0.087456
31.10728	-0.06575	0.016422	-0.01299	0.069005
31.112	-0.04193	0.046025	0.029835	0.06904
31.11673	-0.04087	0.019676	-0.03803	0.059196
31.12145	0.08372	0.033872	0.019239	0.09234
31.12618	0.05893	0.011172	-0.026	0.065372
31.13091	0.016692	0.002786	0.072696	0.07464
31.13563	-0.01323	-0.02222	-0.00028	0.025867
31.14036	-0.05101	-0.01378	0.023444	0.05781
31.14508	-0.11463	0.006532	-0.02184	0.11687
31.14981	-0.15398	-0.02433	-0.01928	0.157078
31.15453	-0.12905	-0.05489	-0.01081	0.140659
31.15926	-0.16741	-0.03775	-0.03089	0.174373
31.16399	-0.18209	-0.03856	0.042939	0.191011
31.16871	0.519775	-0.19846	-0.0725	0.561078
31.17344	0.67842	-0.22301	0.116757	0.723616
31.17816	0.317473	-0.04677	-0.04912	0.324638
31.18289	0.029963	0.003654	-0.00362	0.030402
31.18761	-0.47205	0.098918	-0.11511	0.495848
31.19234	-0.67194	0.110189	0.010426	0.680995
31.19707	-0.48851	0.097372	0.075595	0.503819
31.20179	0.106065	0.051202	0.085639	0.145621
31.20652	0.256771	-0.00406	0.099158	0.275282
31.21124	0.151165	0.026703	-0.06302	0.165939

31.21597	0.197439	0.014749	-0.09334	0.21889
31.22069	0.032405	-0.00527	-0.03799	0.050208
31.22542	0.02531	-0.03959	0.045378	0.065321
31.23015	0.093976	-0.07387	0.054486	0.131368
31.23487	0.168945	-0.04973	0.055215	0.184563
31.2396	0.148373	-0.03395	-0.03067	0.155265
31.24432	0.014061	-0.00505	-0.05651	0.05845
31.24905	-0.00055	0.022591	-0.07145	0.074939
31.25377	0.032261	0.029692	0.006272	0.044292
31.2585	0.022106	0.001071	0.053684	0.058067
31.26323	0.023901	0.021194	0.037817	0.049503
31.26795	-0.00976	0.022239	0.001913	0.024363
31.27268	-0.00981	0.029222	-0.01471	0.034157
31.2774	0.034149	0.020739	-0.01221	0.041778
31.28213	0.00899	0.007512	-0.00499	0.012735
31.28685	-0.02534	-0.01155	0.019962	0.034264
31.29158	-0.05111	-0.01626	0.015047	0.055704
31.29631	-0.0945	-0.0339	-0.00288	0.100443
31.30103	-0.09599	-0.03477	-0.01116	0.102703
31.30576	-0.0845	-0.05339	-0.01344	0.100852
31.31048	-0.08029	-0.01971	0.010406	0.083327
31.31521	-0.10356	-0.01346	0.000834	0.104438
31.31993	-0.09948	-0.0156	-0.02052	0.102769
31.32466	-0.03614	-0.01652	0.005759	0.040152
31.32939	-0.07429	-0.00071	-0.00614	0.074544
31.33411	-0.06223	0.006597	-0.01439	0.064212
31.33884	-0.08829	-0.01703	0.005913	0.090114
31.34356	-0.05361	0.014063	0.027225	0.061753
31.34829	-0.02627	0.012847	0.015141	0.032933
31.35301	-0.03949	-0.01084	0.006719	0.041495
31.35774	-0.0525	-0.0059	0.003109	0.052922
31.36247	-0.02984	0.000265	-0.00284	0.029977
31.36719	-0.0061	0.005113	0.005493	0.00967
31.37192	-0.00984	0.013466	0.042233	0.045407
31.37664	-0.01713	-0.00797	0.006291	0.019911
31.38137	-0.04085	-0.02443	0.002683	0.047672
31.38609	-0.02044	0.000736	-0.01276	0.024106
31.39082	0.009293	-0.00631	0.003958	0.011909
31.39555	0.002057	-0.01095	0.012233	0.016544
31.40027	-0.01339	0.018861	0.001454	0.023178
31.405	-0.03577	0.016345	0.022797	0.045461
31.40972	-0.02349	0.004359	0.02142	0.032088
31.41445	-0.02181	-0.01594	0.025981	0.03748
31.41917	-0.03186	-0.00765	0.012706	0.03514
31.4239	-0.02281	-0.00064	0.014963	0.027292
31.42863	-0.03981	0.020493	0.004148	0.044966
31.43335	-0.03281	-0.00843	0.01715	0.037966
31.43808	-0.03168	-0.01575	0.0075	0.036164
31.4428	-0.03051	-0.0219	0.031149	0.048792
31.44753	-0.03039	-0.01968	0.020192	0.041458
31.45225	-0.03022	-0.00815	0.025933	0.040652
31.45698	-0.00506	-0.0228	0.022134	0.032177

31.46171	-0.03806	-0.03378	0.006499	0.051303
31.46643	-0.01147	-0.02086	0.012355	0.026823
31.47116	0.054063	0.033411	-0.00676	0.063912
31.47588	-0.03423	0.166694	0.000397	0.170174
31.48061	0.10576	0.239632	0.009867	0.262119
31.48533	0.200404	0.269551	-0.01039	0.336047
31.49006	0.13562	0.256961	-0.1503	0.327125
31.49479	0.934627	0.286176	-0.10869	0.983482
31.49951	1.539375	0.190619	-0.01759	1.551232
31.50424	1.338157	0.254781	0.076309	1.364331
31.50896	1.737571	0.291137	-0.05481	1.762645
31.51369	2.293118	0.199076	-0.04247	2.302135
31.51841	2.326098	0.485097	0.070615	2.377192
31.52314	2.464489	0.627668	0.06411	2.54397
31.52787	2.689256	0.636845	-0.19266	2.770341
31.53259	2.651386	0.686797	-0.12576	2.74178
31.53732	2.51161	0.768902	-0.10805	2.628891
31.54204	2.368639	0.6586	-0.02051	2.458582
31.54677	1.71267	0.483329	-0.04288	1.78008
31.55149	2.515649	0.405313	-0.32481	2.56871
31.55622	2.87609	0.587566	0.28738	2.949528
31.56095	2.471872	0.697593	-0.06664	2.569285
31.56567	2.573372	0.962565	0.172511	2.752914
31.5704	3.012764	1.253318	0.055274	3.263527
31.57512	3.491884	1.255504	0.357568	3.727922
31.57985	4.488043	0.852309	-0.33941	4.580848
31.58457	5.196027	0.271535	-0.43565	5.221323
31.5893	5.295492	-0.03309	0.148121	5.297667
31.59403	4.957203	-0.27655	0.592568	5.000148
31.59875	4.208057	0.031645	0.074591	4.208837
31.60348	3.082633	0.410822	0.165455	3.114286
31.6082	3.059887	1.056198	0.299246	3.250848
31.61293	1.758068	0.420739	-0.13463	1.812719
31.61765	1.224743	-0.14979	-0.05289	1.235002
31.62238	1.353627	-1.08968	0.423063	1.788491
31.62711	1.384852	-1.49661	0.639038	2.136825
31.63183	1.88997	-1.38504	0.205862	2.352166
31.63656	1.736741	-1.43191	-0.46343	2.29813
31.64128	1.831024	-1.10675	-0.25246	2.154361
31.64601	2.323831	-0.98622	-0.5544	2.584606
31.65073	1.885528	-1.06495	0.387803	2.199936
31.65546	1.852559	-0.60442	0.190116	1.957918
31.66019	1.445047	-0.65596	-0.12674	1.592014
31.66491	1.18608	-0.51624	0.139823	1.301093
31.66964	0.987799	-0.46405	0.354485	1.147496
31.67436	-1.06158	-0.27697	-0.11207	1.102824
31.67909	-1.9774	0.067022	-1.27436	2.353423
31.68381	-1.20118	-0.0506	-1.08834	1.621689
31.68854	0.744248	-0.75138	-0.28242	1.094637
31.69327	1.651154	-2.11748	1.010854	2.869118
31.69799	0.525751	-2.43033	1.643906	2.980832
31.70272	0.883314	-1.92446	-0.17573	2.124774

31.70744	0.48985	-1.44053	-0.63206	1.647602
31.71217	0.456429	-1.42538	0.046189	1.49739
31.71689	-0.48972	-1.21179	-0.72576	1.49499
31.72162	-1.17207	-1.07958	0.324347	1.626174
31.72635	-1.52433	-0.92607	0.744575	1.932762
31.73107	-1.55778	-0.68465	0.829638	1.893069
31.7358	-1.54109	-0.47885	-0.01747	1.61387
31.74052	-1.47448	-0.23737	-0.21589	1.508986
31.74525	-1.9921	0.033485	-0.67806	2.104599
31.74997	-1.96864	0.130593	-0.27461	1.991984
31.7547	-2.8402	0.386038	0.113943	2.868576
31.75943	-3.06638	0.722473	0.113602	3.152392
31.76415	-3.94378	0.802919	0.21375	4.030358
31.76888	-4.47376	0.652575	0.07492	4.521729
31.7736	-4.32288	0.809196	0.4333	4.419258
31.77833	-4.49733	1.024127	0.708666	4.666584
31.78305	-5.11766	1.292559	0.609625	5.313455
31.78778	-5.54006	1.194524	-0.00423	5.667382
31.79251	-5.52138	1.056126	-0.41756	5.636967
31.79723	-5.50161	1.287708	-1.26943	5.791146
31.80196	-11.1312	5.361065	-3.20552	12.764
31.80668	-9.30116	2.014489	8.136289	12.52074
31.81141	-9.76623	-0.86853	-1.56215	9.92844
31.81613	-3.33836	-0.58142	-5.51365	6.471706
31.82086	-3.71731	1.177666	-2.44708	4.603639
31.82559	-5.76851	0.583246	0.413529	5.812646
31.83031	-3.63455	0.732872	2.707536	4.591061
31.83504	-3.86297	0.19933	1.682831	4.218319
31.83976	-3.53167	0.168968	0.109752	3.53741
31.84449	-3.36838	0.530085	0.366675	3.429497
31.84921	-3.05246	0.208154	0.155806	3.063512
31.85394	-2.22717	0.058806	0.361992	2.257158
31.85867	-0.29015	0.18445	-0.02126	0.344471
31.86339	0.605129	-0.24197	-0.05392	0.65394
31.86812	0.45809	0.025424	0.123815	0.475208
31.87284	-0.09791	-0.31069	0.547569	0.637141
31.87757	-0.49498	-0.44254	0.155921	0.682024
31.88229	-0.7576	-0.88659	0.239216	1.190473
31.88702	-0.90184	-1.11629	-0.18885	1.447436
31.89175	-0.98764	-1.26105	0.000286	1.60177
31.89647	-1.50495	-1.88794	0.464017	2.458553
31.9012	-2.32526	-2.39231	0.167126	3.340349
31.90592	-3.26168	-2.74738	-0.22625	4.270577
31.91065	-4.071	-2.73087	-0.51521	4.929113
31.91537	-4.4902	-2.61216	-0.99134	5.28848
31.9201	-4.37897	-2.67442	-1.75596	5.42322
31.92483	-3.6647	-2.56741	-2.06917	4.929811
31.92955	-3.50915	-2.13348	-1.24574	4.291586
31.93428	-3.4925	-1.55065	0.581433	3.865247
31.939	-2.92113	-0.21157	1.277162	3.195137
31.94373	-4.2805	0.41973	2.101031	4.786769
31.94845	-4.01366	1.91573	2.969221	5.3475

31.95318	-4.77454	2.987739	1.728614	5.891599
31.95791	-4.90023	3.294322	-1.7638	6.162453
31.96263	-4.23198	2.140089	-2.44729	5.336561
31.96736	-3.74251	0.797535	-0.96721	3.94689
31.97208	-3.06106	0.248695	0.460753	3.105519
31.97681	-1.17596	0.348035	0.955144	1.554445
31.98153	3.990227	0.384877	5.523502	6.82489
31.98626	-1.42366	-1.62262	5.911055	6.292874
31.99099	-5.11728	-1.42086	0.890864	5.385071
31.99571	-5.75439	-0.93042	-2.62244	6.391856
32.00044	-4.81207	0.125753	-5.40377	7.23689
32.00516	-5.12851	0.10811	-6.84684	8.55526
32.00989	-7.26569	-0.04519	-8.64026	11.28922
32.01461	-6.3371	-0.25237	-8.19777	10.36465
32.01934	-3.83284	0.566734	2.918335	4.850624
32.02407	-2.285	0.193674	15.27352	15.44472
32.02879	-2.15813	-0.94297	12.31451	12.5377
32.03352	-1.99069	-1.36883	1.684467	2.945164
32.03824	-2.10292	-0.11015	-4.8729	5.308442
32.04297	-3.40002	1.114927	-7.69015	8.481837
32.04769	-3.66208	2.395557	-4.13863	6.023102
32.05242	-3.76478	3.437491	-0.30732	5.107282
32.05715	-2.27934	4.185837	2.041039	5.184829
32.06187	-0.75009	4.255211	2.062376	4.787782
32.0666	-0.30383	3.349097	2.150621	3.991733
32.07132	-0.13499	2.333527	1.09883	2.582828
32.07605	0.523031	1.581522	-0.17867	1.675319
32.08077	1.229611	1.158414	-0.83913	1.886269
32.0855	1.719759	1.008506	-1.60865	2.561721
32.09023	2.067358	1.24751	-0.34711	2.439413
32.09495	1.975028	1.179566	0.824319	2.443688
32.09968	2.095143	0.983871	0.921176	2.491223
32.1044	2.392979	0.59555	0.260346	2.479679
32.10913	1.592842	0.33298	-0.3088	1.656315
32.11385	2.291444	0.45227	0.001011	2.335651
32.11858	0.188666	0.400136	0.141957	0.464603
32.12331	1.155842	0.53675	-0.1821	1.287335
32.12803	0.480533	0.749801	-0.12095	0.898745
32.13276	0.363205	0.804675	-0.1232	0.891403
32.13748	0.725016	0.731919	0.38357	1.099308
32.14221	1.033946	0.509393	0.342438	1.20241
32.14693	1.448596	0.346808	-0.40721	1.544189
32.15166	1.803182	0.036067	-0.31468	1.830788
32.15639	2.86913	-0.0985	-0.31785	2.888363
32.16111	2.702876	-0.29179	0.154553	2.72297
32.16584	3.412366	-0.68685	0.181845	3.485551
32.17056	3.725599	-0.82782	0.270047	3.826004
32.17529	3.984978	-0.90032	-0.2393	4.092419
32.18001	4.285191	-0.92608	-0.1195	4.385745
32.18474	4.56907	-0.98452	0.046755	4.674171
32.18947	4.551273	-1.11121	-0.16241	4.687777
32.19419	4.584743	-1.04315	0.125778	4.703598

32.19892	4.282832	-1.16783	0.085005	4.440011
32.20364	5.615324	-2.03195	-0.06567	5.972018
32.20837	8.436621	-2.84702	0.357359	8.911219
32.21309	8.20676	-1.32008	-0.48312	8.326279
32.21782	8.343574	-0.05372	-0.18019	8.345692
32.22255	4.489981	1.012388	0.839266	4.678592
32.22727	-1.09787	-0.24282	-0.24552	1.150893
32.232	0.518728	-0.85549	-1.09471	1.483012
32.23672	1.523981	-0.7537	0.283244	1.723602
32.24145	0.841744	-0.7674	0.465738	1.230591
32.24617	0.798775	-0.74965	-0.09046	1.099182
32.2509	0.974425	-0.75229	0.30518	1.268298
32.25563	0.762465	-0.67127	0.092112	1.020017
32.26035	0.812318	-0.60578	-0.21628	1.036147
32.26508	0.838878	-0.57145	0.007442	1.015048
32.2698	0.70168	-0.53742	0.065978	0.886302
32.27453	0.697145	-0.46763	-0.04045	0.840429
32.27925	0.754143	-0.38596	0.13165	0.857337
32.28398	0.808244	-0.31038	-0.03342	0.866435
32.28871	0.85618	-0.20858	-0.0513	0.882714
32.29343	0.91982	-0.21907	-0.13369	0.954952
32.29816	0.817625	-0.17938	0.110227	0.844297
32.30288	0.529857	-0.00612	0.095743	0.538472
32.30761	0.249033	0.033092	-0.00833	0.25136
32.31233	0.101607	0.061792	-0.09913	0.154817
32.31706	0.103899	0.108589	0.020494	0.151679
32.32179	0.062894	0.096696	-0.00701	0.115563
32.32651	-0.00188	0.137175	0.07904	0.158328
32.33124	-0.11063	0.102313	-0.00112	0.150695
32.33596	-0.20824	0.07132	-0.03577	0.223004
32.34069	-0.20888	0.015278	0.002511	0.20945
32.34541	-0.19043	-0.03613	0.053884	0.201181
32.35014	-0.18632	-0.04834	0.088457	0.211845
32.35487	-0.17976	-0.03078	0.044117	0.187634
32.35959	-0.1863	-0.03817	-0.03004	0.192526
32.36432	-0.20128	-0.04064	-0.05032	0.211421
32.36904	-0.19251	-0.037	-0.04429	0.20097
32.37377	-0.21848	-0.01191	-0.01675	0.219441
32.37849	-0.20493	-0.02032	0.015529	0.206516
32.38322	-0.23206	-0.02507	0.021482	0.234401
32.38795	-0.21372	-0.03584	-0.00723	0.216822
32.39267	-0.21212	-0.02272	0.009507	0.213546
32.3974	-0.18188	-0.02033	-0.05742	0.191806
32.40212	-0.18733	-0.04306	0.002388	0.192235
32.40685	-0.18325	-0.04429	0.017911	0.189378
32.41157	-0.19941	-0.04561	0.016684	0.205235
32.4163	-0.16774	-0.02905	0.028601	0.172625
32.42103	-0.17916	-0.00652	0.01302	0.179751
32.42575	-0.18451	-0.01872	-0.00852	0.18565
32.43048	-0.1744	-0.01162	-0.00852	0.174993
32.4352	-0.1441	-0.02721	-0.03241	0.150186
32.43993	-0.16771	-0.0392	-0.03118	0.175031

32.44465	-0.16505	-0.03084	-0.02158	0.169286
32.44938	-0.1552	-0.02369	-0.00244	0.157021
32.45411	-0.17643	-0.01647	-0.00961	0.177454
32.45883	-0.16901	-0.03318	-0.0084	0.172443
32.46356	-0.17477	-0.02716	0.010729	0.17719
32.46828	-0.17579	-0.00677	0.014302	0.176501
32.47301	-0.1744	-0.03656	0.009506	0.17844
32.47773	-0.17774	-0.01493	-6.4E-05	0.178366
32.48246	-0.1931	-0.01607	-0.00843	0.193951
32.48719	-0.18568	-0.02549	-0.0108	0.187734
32.49191	-0.19981	-0.02175	-0.02632	0.202705
32.49664	-0.17084	-0.03479	-0.00358	0.174387
32.50136	-0.18489	-0.03708	-0.01433	0.189114
32.50609	-0.17263	-0.02269	0.002414	0.17413
32.51081	-0.1533	-0.02264	0.03826	0.159615
32.51554	-0.16977	-0.03576	0.001166	0.173502
32.52027	-0.15524	-0.02381	-0.02512	0.159052
32.52499	-0.16696	-0.02609	-0.01912	0.170063
32.52972	-0.16313	-0.04622	-0.02268	0.171061
32.53444	-0.16179	-0.02695	-0.00113	0.164025
32.53917	-0.164	-0.03525	0.010818	0.168094
32.54389	-0.15669	-0.03872	0.016781	0.16227
32.54862	-0.15532	-0.03026	0.006006	0.15835
32.55335	-0.16113	-0.01823	0.004806	0.16223
32.55807	-0.15864	-0.03369	-0.01073	0.162536
32.5628	-0.15619	-0.03118	-0.0131	0.159808
32.56752	-0.16797	-0.02269	-0.00233	0.169516
32.57225	-0.16064	-0.02249	-0.00113	0.162215
32.57697	-0.15099	-0.01512	-0.00829	0.151969
32.5817	-0.16642	-0.01138	0.003674	0.166853
32.58643	-0.14838	-0.02325	-0.01306	0.150762
32.59115	-0.14472	-0.02434	0.004887	0.146833
32.59588	-0.16849	-0.02546	0.001299	0.170404
32.6006	-0.15996	-0.01931	-0.00826	0.161333
32.60533	-0.15856	-0.00362	-0.00944	0.15888
32.61005	-0.14764	-0.03686	-0.02137	0.153666
32.61478	-0.14032	-0.02827	-0.01059	0.143531
32.61951	-0.15933	-0.00776	-0.00101	0.159518
32.62423	-0.17356	-0.02912	0.018115	0.176915
32.62896	-0.14841	-0.02893	-0.00222	0.151219
32.63368	-0.18421	-0.03825	-0.02969	0.190465
32.63841	-0.14832	-0.02484	-0.01291	0.150938
32.64313	-0.16865	-0.04126	-0.00333	0.173659
32.64786	-0.14118	-0.03025	0.002659	0.144408
32.65259	-0.12559	-0.0443	0.017002	0.134257
32.65731	-0.07651	-0.04774	0.016984	0.091766
32.66204	0.035857	-0.08108	0.021744	0.091279
32.66676	0.131496	-0.10027	0.03127	0.168294
32.67149	-0.07185	-0.05723	0.049152	0.104183
32.67621	-0.24636	-0.00832	0.018023	0.247157
32.68094	-0.28561	-0.02025	-0.05728	0.292002
32.68567	-0.22937	-0.01997	-0.08826	0.246578

32.69039	-0.22185	-0.03494	-0.04006	0.228125
32.69512	-0.14438	-0.02013	0.021983	0.147424
32.69984	-0.1233	-0.02812	0.051469	0.136535
32.70457	-0.15225	-0.03372	0.008336	0.156159
32.70929	-0.15007	-0.02262	-0.01071	0.152138
32.71402	-0.16447	-0.0235	-0.00112	0.166146
32.71875	-0.14554	-0.00649	0.002457	0.145701
32.72347	-0.15882	-0.01233	0.024983	0.161244
32.7282	-0.13633	-0.01454	-0.00014	0.137101
32.73292	-0.14715	-0.03814	0.008173	0.152228
32.73765	-0.15308	0.006127	0.018784	0.154354
32.74237	-0.16136	-0.01053	0.004391	0.161763
32.7471	-0.14469	-0.01864	-0.01225	0.146398
32.75183	-0.1614	-0.00651	-0.01214	0.161992
32.75655	-0.14589	-0.01468	0.001011	0.14663
32.76128	-0.14587	-0.01689	0.00219	0.146863
32.766	-0.13879	-0.02623	-0.01206	0.141761
32.77073	-0.11869	-0.02597	-0.00603	0.121648
32.77545	-0.12845	-0.03518	-0.00123	0.133185
32.78018	-0.11802	-0.04304	-0.01427	0.126428
32.78491	-0.09115	-0.05794	-0.00228	0.108026
32.78963	-0.08942	-0.05251	0.004869	0.103816
32.79436	-0.0794	-0.04241	0.001278	0.090027
32.79908	-0.12412	-0.0466	-0.00466	0.13266
32.80381	-0.11857	-0.03178	-0.0141	0.123557
32.80853	-0.15699	0.006641	-0.00448	0.157199
32.81326	-0.14295	0.006772	-0.01037	0.143488
32.81799	-0.15984	-0.00965	-0.01146	0.160541
32.82271	-0.16346	-0.00223	0.007629	0.163658
32.82744	-0.14804	-0.01396	0.022994	0.150467
32.83216	-0.13033	0.004019	0.014502	0.1312
32.83689	-0.12103	-0.0244	0.021503	0.125328
32.84161	-0.1165	-0.0242	0.005901	0.119133
32.84634	-0.11204	-0.00264	0.010599	0.112576
32.85107	-0.11353	0.006845	0.018817	0.115284
32.85579	-0.11618	-0.02044	0.016288	0.119083
32.86052	-0.10817	0.009458	-0.03605	0.114409
32.86524	-0.08941	-0.01794	-0.01083	0.091832
32.86997	-0.07766	-0.02753	0.112635	0.139555
32.87469	-0.08282	-0.05605	-0.01882	0.101757
32.87942	-0.06063	-0.033	-0.05188	0.086358
32.88415	-0.03151	-0.08483	-0.0301	0.095368
32.88887	-0.02154	-0.07708	0.024726	0.083762
32.8936	-0.01242	-0.11375	0.09687	0.149926
32.89832	-0.02689	-0.09582	0.182642	0.207995
32.90305	-0.095	0.006367	-0.06924	0.117727
32.90777	-0.19122	0.117756	-0.14223	0.265819
32.9125	-0.21449	0.08856	-0.14816	0.275315
32.91723	-0.1843	0.0466	-0.05319	0.197399
32.92195	-0.13411	-0.0096	0.067088	0.150257
32.92668	-0.10567	-0.00616	0.096186	0.143025
32.9314	-0.10825	-0.01571	-0.00191	0.109401

32.93613	-0.06331	-0.01557	-0.03867	0.075805
32.94085	-0.07574	-0.02015	-0.03123	0.084369
32.94558	-0.07154	-0.04833	-0.00487	0.086475
32.95031	0.012097	-0.05383	0.026021	0.060999
32.95503	0.022579	-0.07122	0.0175	0.076736
32.95976	-0.00495	-0.06948	0.031591	0.076481
32.96448	-0.06058	-0.04521	0.017088	0.077494
32.96921	-0.09572	-0.00333	-0.01271	0.096616
32.97393	-0.13404	0.005029	-0.01617	0.135101
32.97866	-0.12345	0.005068	-0.02078	0.125293
32.98339	-0.1379	0.000319	-0.00043	0.137906
32.98811	-0.14034	0.016954	-0.02178	0.143027
32.99284	-0.14393	0.031053	0.017549	0.148284
32.99756	-0.15105	0.017762	0.005539	0.152189
33.00229	-0.11885	-0.00143	0.012609	0.119529
33.00701	-0.11297	-0.01458	0.010126	0.114356
33.01174	-0.04874	-0.03017	0.029014	0.064243
33.01647	-0.0636	-0.0336	-0.01869	0.074315
33.02119	-0.04283	-0.02379	-0.05413	0.073009
33.02592	-0.04964	-0.02947	-0.02045	0.061241
33.03064	-0.04207	-0.05292	0.007004	0.067965
33.03537	-0.02504	-0.04544	0.029484	0.059679
33.04009	-0.0497	-0.02265	0.024489	0.059859
33.04482	-0.07416	-0.02842	-0.00419	0.079527
33.04955	-0.07	0.00029	-0.03263	0.077236
33.05427	-0.06939	-0.0032	-0.02049	0.072422
33.059	-0.08299	-0.00315	-0.00727	0.083366
33.06372	-0.0882	0.011075	0.021264	0.091397
33.06845	-0.09329	0.026366	0.018712	0.098732
33.07317	-0.13751	0.024966	0.013809	0.140437
33.0779	-0.14819	0.036617	-0.02427	0.154566
33.08263	-0.13858	0.025671	-0.01695	0.141958
33.08735	-0.12309	0.0065	-0.00376	0.123322
33.09208	-0.09584	0.006445	0.01288	0.096911
33.0968	-0.08782	0.011022	0.016329	0.090001
33.10153	-0.08819	-0.01524	-0.01584	0.090885
33.10625	-0.06602	-0.03526	-0.03588	0.083005
33.11098	-0.05001	-0.02549	-0.00474	0.056331
33.11571	-0.03171	-0.03359	-0.00114	0.046205
33.12043	0.011307	-0.08677	0.022598	0.090372
33.12516	0.007657	-0.09205	0.005799	0.092545
33.12988	-0.01026	-0.0557	0.016428	0.05897
33.13461	-0.06716	-0.01608	-0.00625	0.069346
33.13933	-0.06309	0.006637	-0.0323	0.071185
33.14406	-0.06137	-0.00038	-0.01067	0.062295
33.14879	-0.06207	-0.00381	-0.00939	0.062896
33.15351	-0.05682	-0.01084	0.028656	0.064556
33.15824	-0.03976	-0.02617	0.02723	0.054842
33.16296	-0.01329	-0.04129	-0.01333	0.045381
33.16769	-0.07955	-0.01483	0.00932	0.081453
33.17241	-0.13344	0.049322	0.012801	0.142838
33.17714	-0.08598	0.007361	0.007947	0.086659

33.18187	-0.06867	0.006119	-0.04432	0.081959
33.18659	-0.09886	0.01195	0.009436	0.100025
33.19132	-0.05401	-0.00485	0.014099	0.056029
33.19604	-0.07353	-0.01321	0.017536	0.076735
33.20077	-0.08698	-0.00477	-0.01227	0.087968
33.20549	-0.09575	0.035566	-0.02641	0.105497
33.21022	-0.07947	0.03048	-0.01314	0.086119
33.21495	-0.05732	0.013573	-0.01066	0.059859
33.21967	-0.07453	0.001567	0.008412	0.075023
33.2244	-0.07974	0.013376	0.003594	0.080933
33.22912	-0.05174	0.006119	0.011868	0.053431
33.23385	-0.04528	0.007212	0.009395	0.046804
33.23857	-0.04717	-0.00477	0.004569	0.047632
33.2433	-0.03242	-0.00243	0.006901	0.033237
33.24803	-0.0225	0.008189	0.010398	0.026101
33.25275	-0.03401	-0.00384	-0.0063	0.034803
33.25748	-0.04785	-0.00621	-0.01812	0.051536
33.2622	-0.05446	-0.00969	-0.00847	0.055959
33.26693	-0.05278	-0.01793	0.008207	0.056344
33.27165	-0.05709	-0.00595	0.002207	0.057444
33.27638	-0.05423	0.004774	-0.01561	0.056638
33.28111	-0.06801	3.12E-05	-0.01785	0.070315
33.28583	-0.06393	0.00126	-0.02482	0.068592
33.29056	-0.03504	-0.00696	0.007427	0.03649
33.29528	-0.06091	-0.00683	-0.00212	0.061331
33.30001	-0.05925	-0.00903	0.001456	0.059955
33.30473	-0.05643	-0.03025	0.00619	0.06433
33.30946	-0.07262	-0.00144	-0.01284	0.073761
33.31419	-0.04593	-0.01669	0.008626	0.049626
33.31891	-0.0634	0.016772	0.003811	0.065688
33.32364	-0.05695	-0.03667	0.0109	0.068611
33.32836	-0.0625	-0.01494	0.010813	0.065165
33.33309	-0.05491	-0.00048	-0.00945	0.055716
33.33781	-0.05687	-0.0016	-0.01174	0.058091
33.34254	-0.03866	0.00444	-0.01876	0.0432
33.34727	-0.04666	0.006846	-0.00792	0.047824
33.35199	-0.03802	-0.01332	0.013504	0.042488
33.35672	-0.03901	0.003538	0.003905	0.039362
33.36144	-0.03405	-0.00944	0.00269	0.035442
33.36617	-0.02793	-0.01049	0.013347	0.032685
33.37089	-0.02416	-0.01867	0.010863	0.032405
33.37562	-0.03465	-0.01374	-0.00109	0.037295
33.38035	-0.03077	-0.00531	0.002479	0.031321
33.38507	-0.03642	-0.02424	0.009577	0.044789
33.3898	-0.02416	-0.00976	0.015429	0.030287
33.39452	-0.03218	-0.02396	0.003434	0.040265
33.39925	-0.00213	-0.01791	0.011708	0.021507
33.40397	-0.01142	-0.03325	0.008048	0.036063
33.4087	0.026852	-0.09358	0.004417	0.097458
33.41343	0.113433	-0.19614	-0.00393	0.226616
33.41815	0.07325	-0.12466	-0.00983	0.144925
33.42288	-0.00579	-0.05248	-0.01924	0.056196

33.4276	-0.08412	0.020288	-0.01789	0.088359
33.43233	-0.13219	0.080659	-0.05215	0.163399
33.43705	-0.11339	0.077802	-0.02323	0.139461
33.44178	-0.06874	0.04768	-0.01117	0.084398
33.44651	-0.04339	-8.6E-05	0.023333	0.049263
33.45123	-0.05381	-0.00358	0.031445	0.06243
33.45596	-0.05702	0.017893	0.019321	0.062807
33.46068	-0.0281	-0.0107	-0.01525	0.033709
33.46541	0.070721	-0.07818	-0.02461	0.108252
33.47013	-0.0722	-0.03597	0.015937	0.082224
33.47486	-0.07737	0.046091	0.060885	0.108711
33.47959	-0.01499	0.008807	-0.00014	0.017383
33.48431	-0.04692	0.015774	-0.082	0.095782
33.48904	-0.04888	0.006102	-0.02081	0.053473
33.49376	-0.04484	0.046244	0.029191	0.070722
33.49849	-0.02306	-0.0041	0.030131	0.038164
33.50321	-0.00255	-0.00651	0.009707	0.011962
33.50794	-0.00967	-0.02669	-0.00817	0.029539
33.51267	0.034241	-0.05858	-0.00692	0.068204
33.51739	0.055257	-0.08312	0.020424	0.101876
33.52212	-0.05079	-0.0065	0.002457	0.051267
33.52684	-0.04809	0.001888	0.029725	0.056564
33.53157	-0.0787	0.054123	-0.02984	0.100069
33.53629	-0.07466	0.033593	-0.03315	0.088329
33.54102	-0.05276	0.027514	-0.02575	0.064839
33.54575	-0.00733	8.91E-05	0.029041	0.029951
33.55047	-0.07969	0.058191	0.06202	0.116549
33.5552	-0.08972	0.063595	0.025909	0.112984
33.55992	-0.05924	0.065436	-0.02888	0.092874
33.56465	-0.03611	0.017518	-0.03695	0.054552
33.56937	-0.01907	-0.00037	-0.02121	0.028525
33.5741	-0.014	-0.00748	0.027608	0.031847
33.57883	0.006347	-0.01099	0.041615	0.043508
33.58355	-0.02212	-0.01926	0.008044	0.030413
33.58828	0.014967	0.010585	0.009163	0.020494
33.593	0.003151	-0.00741	0.018575	0.020246
33.59773	0.024779	-0.03602	0.032651	0.054568
33.60245	0.060563	-0.02064	0.024063	0.068357
33.60718	0.071172	-0.04926	0.042835	0.096577
33.61191	0.135052	-0.04565	0.010433	0.142939
33.61663	0.339313	-0.07881	-0.02288	0.349096
33.62136	0.812121	-0.113	-0.03813	0.820831
33.62608	1.386708	-0.02246	0.072515	1.388784
33.63081	1.794836	0.085054	0.079017	1.798586
33.63553	2.455786	0.153896	-0.09012	2.462253
33.64026	2.464594	0.339899	0.004356	2.487925
33.64499	2.794858	0.383518	-0.08703	2.822391
33.64971	3.176877	0.405626	-0.01391	3.202698
33.65444	2.961986	0.250776	-0.15495	2.976619
33.65916	2.317715	0.035305	-0.00295	2.317986
33.66389	2.70521	0.173775	0.088464	2.712229
33.66861	3.485596	0.282449	0.209046	3.503264

33.67334	3.190704	0.060495	0.109594	3.193159
33.67807	3.678974	0.09981	-0.21317	3.686496
33.68279	4.767814	0.106789	0.134805	4.770914
33.68752	6.200073	0.33097	0.200356	6.212132
33.69224	7.45354	0.650562	0.244325	7.485866
33.69697	7.498479	0.934895	-0.02121	7.556564
33.70169	6.982928	1.02088	-0.11549	7.058103
33.70642	5.888451	0.825737	-0.39359	5.959077
33.71115	3.711034	0.034893	-0.33677	3.726447
33.71587	3.264487	0.118004	0.417706	3.293217
33.7206	3.196151	0.384479	0.508004	3.25903
33.72532	2.839957	0.486873	0.007902	2.881399
33.73005	2.871451	0.625199	-0.13907	2.942014
33.73477	2.148248	0.597	0.079711	2.231084
33.7395	1.292428	0.724272	0.017494	1.481637
33.74423	0.845164	0.896603	-0.46147	1.315733
33.74895	1.7948	0.84297	-0.57409	2.064337
33.75368	2.011932	0.489185	0.05901	2.07139
33.7584	2.508414	0.124387	0.621861	2.58734
33.76313	2.096821	-0.37433	0.524234	2.193536
33.76785	1.184157	-0.5744	0.237905	1.337447
33.77258	-0.08684	-0.901	-0.96558	1.323513
33.77731	-0.70001	-0.84007	-1.06578	1.526966
33.78203	-1.55904	-1.35631	0.216637	2.077768
33.78676	-2.55176	-2.13378	-0.11562	3.328342
33.79148	-2.16647	-1.63124	0.705528	2.802193
33.79621	-0.67946	-0.71065	0.825336	1.283693
33.80093	0.370583	-0.67066	0.178983	0.786862
33.80566	-0.20265	-0.50422	-0.3231	0.632215
33.81039	-0.25897	-0.79167	-1.07293	1.358308
33.81511	-0.0467	-0.5738	-0.20152	0.609947
33.81984	0.314152	-0.18944	0.736764	0.823043
33.82456	0.192511	-0.00701	0.886304	0.906997
33.82929	-0.25354	0.119907	-0.09946	0.297578
33.83401	-1.04928	0.174729	-0.6812	1.263155
33.83874	-1.98245	0.186091	-0.46753	2.045316
33.84347	-2.86807	0.339603	0.08401	2.889323
33.84819	-3.37405	0.377592	0.640757	3.455046
33.85292	-3.23407	0.295428	0.441553	3.277419
33.85764	-3.14963	-0.0018	-0.13381	3.152467
33.86237	-3.4082	-0.20726	-0.58175	3.463698
33.86709	-3.11024	-0.05646	-0.48066	3.147664
33.87182	-3.58096	-0.31703	0.063619	3.595528
33.87655	-4.08014	-0.39904	0.197393	4.104351
33.88127	-4.15973	-0.40006	0.209129	4.184157
33.886	-4.20464	-0.25382	0.314016	4.22398
33.89072	-4.01501	-0.16216	-0.01498	4.018312
33.89545	-3.71078	-0.01391	-0.18582	3.715456
33.90017	-3.26839	0.126986	0.000825	3.270859
33.9049	-2.88488	0.39038	0.054631	2.911689
33.90963	-2.34439	0.660373	0.004416	2.435629
33.91435	-1.97131	0.570196	0.284037	2.071684

33.91908	-1.91449	0.432365	-0.02338	1.96284
33.9238	-2.06443	0.325781	-0.01257	2.090018
33.92853	-2.04383	0.255419	0.001791	2.059734
33.93325	-2.04463	0.144385	0.209707	2.060417
33.93798	-2.07211	0.125346	-0.03072	2.076128
33.94271	-2.11875	0.033427	0.072094	2.120241
33.94743	-2.0206	-0.01186	0.034967	2.020936
33.95216	-2.02157	-0.09181	0.017	2.023721
33.95688	-1.96852	-0.08796	-0.00454	1.970488
33.96161	-1.89651	-0.11512	-0.01409	1.900049
33.96633	-1.78268	-0.06459	-0.0105	1.783882
33.97106	-2.12401	-0.16741	0.151284	2.135966
33.97579	-4.28128	0.443829	-3.11447	5.312838
33.98051	-3.77729	0.786877	5.794801	6.961812
33.98524	-2.67428	-0.35987	-2.03292	3.378468
33.98996	0.721838	1.014597	-1.90091	2.272428
33.99469	-4.47724	1.342088	-0.02442	4.674132
33.99941	-4.22917	0.177926	0.692861	4.289238
34.00414	-3.3316	0.426964	1.364881	3.625574
34.00887	-2.2571	0.084915	-0.14581	2.263397
34.01359	-2.72854	0.036237	-1.00441	2.907759
34.01832	-1.41312	0.200511	-0.35403	1.470526
34.02304	-0.74854	0.080908	0.711139	1.035652
34.02777	-0.69433	0.029145	1.038678	1.249717
34.03249	-0.51061	-0.12057	0.203095	0.562591
34.03722	-0.69871	-0.43198	-0.42826	0.926403
34.04195	-1.27506	-0.30051	-0.68111	1.476484
34.04667	-1.10988	-0.28166	-0.21905	1.165821
34.0514	-0.80153	-0.20197	0.4563	0.944164
34.05612	-0.77455	-0.02426	0.532132	0.940041
34.06085	-0.60513	-0.10336	0.009216	0.61396
34.06557	-0.73364	0.111116	-0.06134	0.744535
34.0703	-0.64745	0.124205	-0.47591	0.813087
34.07503	-0.75897	0.117559	-0.26739	0.813236
34.07975	-0.70536	0.166002	-0.09378	0.730671
34.08448	-0.44476	0.080154	0.127397	0.469538
34.0892	-0.16778	0.037298	0.164272	0.237752
34.09393	-0.09992	0.136999	-0.04621	0.175748
34.09865	-0.07155	0.371928	-0.07838	0.386772
34.10338	0.051926	0.52986	0.067505	0.53666
34.10811	-0.06638	0.474305	0.103228	0.489926
34.11283	-0.21967	0.372957	0.105417	0.445492
34.11756	-0.08192	0.186791	4.39E-05	0.203965
34.12228	0.252304	0.011843	0.278328	0.375851
34.12701	0.110968	-0.06924	0.576443	0.591096
34.13173	-0.17896	-0.16209	0.814403	0.849441
34.13646	-0.41906	-0.17152	-0.74849	0.874796
34.14118	-0.7955	-0.3283	-1.03789	1.348263
34.14591	-0.82985	-0.48722	-0.71984	1.20175
34.15064	-0.63965	-0.59561	0.000449	0.874017
34.15536	-0.6741	-0.80251	0.532146	1.175422
34.16009	-0.83068	-0.99589	0.494349	1.387882

34.16481	-1.07956	-1.26268	0.131606	1.666475
34.16954	-1.14079	-1.61023	-0.46481	2.027383
34.17426	-1.05425	-1.96277	-0.57413	2.300772
34.17899	-1.49105	-2.28262	0.13391	2.729748
34.18372	-2.31895	-2.41799	0.721443	3.427053
34.18844	-3.2554	-2.2656	0.465779	3.993434
34.19317	-3.82067	-1.97797	-0.51958	4.333567
34.19789	-3.69284	-1.28566	-1.2204	4.096265
34.20262	-3.87582	-0.72446	-0.7553	4.014633
34.20734	-4.45765	-0.38582	0.469087	4.498836
34.21207	-4.76452	0.290514	1.207939	4.923833
34.2168	-5.11098	0.664508	1.072418	5.264391
34.22152	-5.12528	0.955853	-0.00918	5.213656
34.22625	-5.18226	1.141576	-0.55999	5.335977
34.23097	-4.91702	1.099472	-0.49712	5.062907
34.2357	-4.07114	0.581125	0.436702	4.135526
34.24042	-3.37391	-0.04615	-0.07769	3.375122
34.24515	-3.08863	-0.81711	0.378811	3.217263
34.24988	-3.21948	-0.85802	-0.14867	3.335167
34.2546	-3.15283	-1.02216	0.182442	3.319401
34.25933	-3.95665	-0.83697	-0.06399	4.044715
34.26405	-3.83716	-0.98603	-0.00062	3.961828
34.26878	-4.37284	-1.51685	0.531089	4.658827
34.2735	-3.29384	-0.70949	0.012951	3.369409
34.27823	-4.09959	-0.89465	1.469459	4.445935
34.28296	-3.53905	-2.17675	-1.38103	4.378396
34.28768	-0.75697	-0.99384	-0.82005	1.494393
34.29241	-1.2276	-0.70184	0.680516	1.569293
34.29713	-0.30689	-1.30626	-0.13653	1.348759
34.30186	-0.16128	-1.04608	-0.56532	1.199948
34.30658	-0.95059	-0.02804	0.400923	1.03206
34.31131	-2.30963	1.480537	1.156758	2.977326
34.31604	-4.14558	2.637098	0.722663	4.966124
34.32076	-3.55563	4.219012	-0.43258	5.534407
34.32549	-3.99884	3.979644	-1.24575	5.777557
34.33021	-3.35784	3.312342	-1.86544	5.072137
34.33494	-2.19443	2.396895	-0.7565	3.336603
34.33966	-1.14596	1.61948	0.783544	2.133046
34.34439	-0.95946	1.107055	1.529362	2.117803
34.34912	-0.27158	0.936573	1.162954	1.517692
34.35384	0.56278	1.023372	0.047811	1.168887
34.35857	0.724901	1.103155	0.080014	1.322436
34.36329	1.049531	1.103854	-0.69316	1.673465
34.36802	1.819212	0.977232	-0.42938	2.109237
34.37274	2.132086	0.934112	0.002542	2.327738
34.37747	1.970058	0.866338	0.231949	2.164595
34.3822	1.950313	0.798359	0.267479	2.124298
34.38692	2.109738	0.858393	0.009017	2.2777
34.39165	2.700255	0.938176	-0.31482	2.875875
34.39637	3.445734	0.636917	0.002231	3.504105
34.4011	4.429131	0.837189	0.345163	4.520754
34.40582	4.318575	0.500901	0.069894	4.348089

34.41055	4.132519	0.491559	0.369699	4.178041
34.41528	3.427135	0.636581	0.322607	3.500652
34.42	2.971946	0.510536	-0.15818	3.019624
34.42473	3.262611	0.527716	-0.44238	3.334488
34.42945	3.348044	0.253953	-0.34264	3.3751
34.43418	2.392715	0.276929	-0.0136	2.408726
34.4389	2.925247	0.242259	-0.19162	2.94151
34.44363	3.001257	0.149733	0.455066	3.039252
34.44836	3.450591	-0.07361	-0.31382	3.465614
34.45308	3.71085	-0.25884	0.014028	3.719892
34.45781	3.915524	-0.3605	-0.0445	3.932336
34.46253	3.703595	-0.46971	0.299735	3.745274
34.46726	3.40641	-0.58536	0.160772	3.460075
34.47198	3.256205	-0.72018	0.093664	3.336211
34.47671	2.880126	-0.71931	-0.33901	2.987885
34.48144	2.629626	-0.83731	-0.33021	2.779399
34.48616	2.607771	-0.83761	-0.27124	2.752387
34.49089	2.78139	-0.84268	-0.13346	2.909303
34.49561	2.999452	-0.86846	0.175021	3.127548
34.50034	3.240976	-0.73213	0.177232	3.327363
34.50506	3.29265	-0.6894	0.161525	3.367924
34.50979	3.28414	-0.64766	-0.05728	3.347883
34.51452	3.008389	-0.62955	-0.12645	3.076153
34.51924	2.684834	-0.60881	-0.17762	2.758719
34.52397	2.228807	-0.55592	-0.04831	2.2976
34.52869	1.837333	-0.42799	-0.00402	1.886528
34.53342	1.470497	-0.36982	0.072472	1.518017
34.53814	1.001331	-0.20791	0.048488	1.023836
34.54287	0.482491	-0.09639	0.041265	0.493753
34.5476	0.10865	-0.00285	0.013743	0.109553
34.55232	-0.02703	0.009434	-0.05556	0.062502
34.55705	-0.03241	0.0301	-0.01126	0.045638
34.56177	-0.08184	0.018253	0.072415	0.110795
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34.58068	-0.19215	0.055466	-0.01872	0.200871
34.5854	-0.13624	0.036277	-0.07368	0.159081
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34.6043	-0.11977	0.006034	0.087686	0.148559
34.60903	-0.18754	-0.03004	0.009897	0.190184
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34.62793	-0.23212	-0.02475	-0.05224	0.23921
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34.64684	-0.22527	-0.03837	0.002812	0.228531
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34.66574	-0.17002	-0.00355	-0.02696	0.172182
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34.67519	-0.17755	-0.0094	0.022058	0.179166
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34.68464	-0.15285	-0.01322	0.045865	0.160128
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34.79333	-0.11681	-0.02247	-0.01057	0.119421
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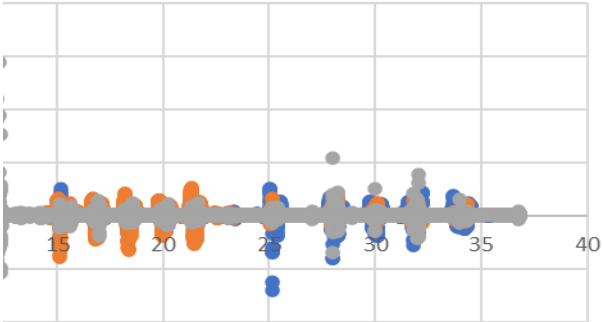
35.88497	-0.05017	-0.0066	0.028955	0.058304
35.8897	-0.03169	0.014428	-0.00449	0.035106
35.89442	-0.05654	0.086491	-0.07917	0.130174
35.89915	-0.04071	-0.01501	-0.05593	0.070789
35.90388	-0.05231	0.014961	-0.02102	0.05833
35.9086	-0.04496	-0.00768	0.025459	0.052237
35.91333	-0.03187	-0.02092	0.009851	0.03937
35.91805	-0.02473	-0.01532	0.063177	0.069554
35.92278	-0.03112	-0.0316	0.027069	0.051958
35.9275	-0.05995	-0.04118	-0.02892	0.078267
35.93223	0.027731	-0.00549	0.19317	0.195227
35.93696	-0.00018	-0.00203	-0.03031	0.030383
35.94168	-0.02576	0.001732	-0.15938	0.161461
35.94641	-0.03335	0.005571	-0.08805	0.09432
35.95113	-0.01855	-0.00138	0.055059	0.058117
35.95586	-0.02315	-0.00845	0.075957	0.079854
35.96058	-0.02541	-0.00732	0.080067	0.084319
35.96531	-0.01821	0.022305	0.007025	0.029638
35.97004	-0.0133	0.02212	-0.05236	0.058373
35.97476	-0.01292	0.023305	-0.07209	0.076853
35.97949	-0.0218	0.025681	-0.0181	0.038239
35.98421	-0.01875	0.011328	0.016462	0.027401
35.98894	-0.02648	0.006432	0.037676	0.046499
35.99366	-0.01179	0.009826	0.029053	0.032858
35.99839	-0.0151	0.01216	-0.00085	0.019408
36.00312	-0.01012	0.021537	-0.03169	0.039632
36.00784	0.001976	0.007205	-0.02075	0.022052
36.01257	-0.01086	0.004857	-0.01227	0.017088
36.01729	0.019101	-0.00941	0.012747	0.024815
36.02202	-0.00327	-0.01293	0.024502	0.027895
36.02674	-0.00051	-0.00341	-0.00893	0.009572
36.03147	-0.00832	0.019061	-0.02072	0.029361
36.0362	-0.01484	-0.00365	-0.00394	0.015788
36.04092	-0.01296	0.02717	-0.01341	0.032954
36.04565	-0.02176	0.004373	0.002122	0.022297
36.05037	-0.01392	0.013787	0.005659	0.020392
36.0551	-0.03121	-0.03741	-0.04778	0.068244
36.05982	0.043596	0.037615	0.038032	0.069006
36.06455	0.001817	-0.00064	-0.01094	0.011107
36.06928	-0.05867	0.007729	-0.01441	0.060903
36.074	-0.01799	0.009996	0.041461	0.046289
36.07873	-0.0054	0.015802	0.060095	0.062372
36.08345	-0.00518	0.00622	-0.0021	0.008364
36.08818	0.012544	0.001547	-0.02581	0.028737
36.0929	0.008767	-0.01247	-0.02084	0.025819
36.09763	0.032306	-0.00855	-0.00286	0.033541
36.10236	0.10436	-0.02488	0.02208	0.109534
36.10708	0.130887	-0.01635	0.038507	0.137411
36.11181	0.219102	-0.02333	0.019202	0.221176
36.11653	0.220353	-0.05399	-0.00232	0.226883
36.12126	0.219381	-0.04753	-0.00349	0.224497
36.12598	0.200737	-0.02223	0.008395	0.202139

36.13071	0.164348	-0.03636	0.016623	0.16914
36.13544	0.074657	-0.0528	-0.00013	0.09144
36.14016	0.009414	0.017525	0.009351	0.021982
36.14489	-0.03863	0.023292	0.003336	0.045233
36.14961	-0.14205	-0.01726	-0.01212	0.143608
36.15434	-0.11645	0.005477	-0.0227	0.118771
36.15906	0.356327	-0.023	-0.02963	0.358295
36.16379	0.153594	-0.07372	0.077389	0.187123
36.16852	-0.08938	-0.03168	-0.01462	0.095952
36.17324	-0.01449	-0.01259	0.022277	0.029403
36.17797	0.010276	-0.01244	-0.01469	0.021823
36.18269	-0.098	-0.00505	-0.0122	0.098885
36.18742	-0.1369	-0.00137	-0.07854	0.157832
36.19214	-0.07588	0.012754	0.098886	0.125292
36.19687	-0.09518	0.046873	0.068395	0.126227
36.2016	-0.00747	-0.01037	-0.02709	0.029951
36.20632	0.024948	-0.0112	-0.08143	0.085902
36.21105	-0.00332	0.005701	-0.02974	0.030459
36.21577	-0.03973	0.009255	0.031019	0.051246
36.2205	-0.03901	0.016158	0.052112	0.06707
36.22522	-0.02632	0.00885	-0.00053	0.027771
36.22995	-0.06703	0.025432	-0.03731	0.080822
36.23468	-0.0897	0.015774	-0.02751	0.095138
36.2394	-0.04113	0.026326	-0.00948	0.049742
36.24413	-0.0428	0.009459	0.033306	0.055052
36.24885	-0.04466	-0.00372	-0.00613	0.045227
36.25358	-0.08094	0.004665	-0.0037	0.081157
36.2583	-0.11085	0.028434	-0.02502	0.117144
36.26303	-0.09644	0.022347	-0.02482	0.102058
36.26776	-0.17576	0.016327	-0.02461	0.178229
36.27248	-0.15466	0.041082	0.03966	0.164861
36.27721	-0.15981	0.020506	-0.00576	0.161225
36.28193	-0.18981	0.058253	0.009708	0.198788
36.28666	-0.13885	0.044797	-0.01648	0.146824
36.29138	-0.10266	0.029124	-0.03295	0.111686
36.29611	-0.08949	0.005291	-0.00894	0.090091
36.30084	-0.05289	0.012448	0.011302	0.055496
36.30556	-0.03578	-0.02317	0.019515	0.046882
36.31029	-0.02248	0.000853	-0.00675	0.023484
36.31501	-0.02716	0.013938	-0.01737	0.035124
36.31974	-0.01045	0.013892	-0.0018	0.017477
36.32446	-0.01998	0.003195	-0.0089	0.022107
36.32919	0.007343	0.011571	0.00423	0.014342
36.33392	-0.00475	-0.00159	-0.0053	0.007291
36.33864	-0.01792	-0.00277	0.013732	0.022744
36.34337	-0.00377	-0.00031	-0.00418	0.005636
36.34809	-0.00153	-0.00859	-0.01838	0.020344
36.35282	-0.00756	0.006948	-0.00043	0.010278
36.35754	-0.0242	0.021198	-0.00517	0.032584
36.36227	-0.01567	0.016331	0.009116	0.024402
36.367	-0.01767	0.017452	-0.00638	0.025642
36.37172	0.027993	0.006713	0.016213	0.033038

36.37645	0.009221	0.000782	-0.0124	0.01547
36.38117	-0.00836	-0.00277	0.022113	0.023803
36.3859	-0.00269	0.013527	0.049204	0.051101
36.39062	0.047356	-0.02539	0.281308	0.286394
36.39535	-0.02367	-0.00227	-0.12089	0.123211
36.40008	0.033607	0.025455	0.012967	0.044108
36.4048	0.004055	-0.00028	-0.04411	0.044299
36.40953	0.000864	0.003728	-0.00343	0.00514
36.41425	-0.00248	-0.00905	0.038094	0.039233
36.41898	-0.02177	-0.00137	0.00216	0.021925
36.4237	-0.03396	0.01699	-0.03584	0.052214
36.42843	-0.00257	-0.00378	-0.02369	0.024132
36.43316	-0.01701	0.024414	-0.06029	0.067229
36.43788	-0.03803	0.043348	-0.163	0.1729
36.44261	-0.01158	0.01831	-0.02875	0.036001
36.44733	0.018132	0.018032	0.120975	0.123648
36.45206	-0.00459	0.01051	0.047586	0.048949
36.45678	0.012204	0.015056	0.012779	0.023215
36.46151	0.03249	0.018645	-0.07868	0.087141
36.46624	0.007594	0.015113	-0.05666	0.059133
36.47096	0.011337	0.011442	0.005505	0.017022
36.47569	0.013781	-0.00409	0.026814	0.030424
36.48041	0.001866	-0.00647	0.007607	0.01016
36.48514	0.009062	0.010151	-0.01619	0.021146
36.48986	0.010348	-0.00412	-0.01842	0.021528
36.49459	-0.01093	-0.00996	-0.05149	0.053569
36.49932	-0.00233	0.000931	-0.01546	0.015666
36.50404	-0.01404	-0.01326	0.009582	0.021554
36.50877	-0.01852	-0.02024	0.010689	0.029439
36.51349	-0.02542	0.010849	-0.00245	0.027743
36.51822	0.000976	-0.00226	-0.01666	0.016845
36.52294	-0.0108	-0.01168	0.007205	0.017466
36.52767	-0.01658	-0.00088	-0.00235	0.016769
36.5324	0.003779	0.002634	0.009537	0.010591
36.53712	-0.00107	-0.00098	0.009456	0.009566
36.54185	-0.00339	0.001322	0.017681	0.018051
36.54657	0.017951	-0.00112	-0.02399	0.029987
36.5513	0.008222	0.001166	-0.01075	0.013581
36.55602	0.020013	-0.0048	-0.0071	0.021772
36.56075	0.013896	-0.00368	-0.0106	0.01786
36.56548	0.01499	-0.01316	-0.00577	0.020766
36.5702	0.008998	0.005929	0.009704	0.014501
36.57493	0.003042	-0.00361	0.017928	0.01854
36.57965	0.01256	-0.0084	0.005912	0.016224
36.58438	-0.00063	0.01656	-0.00363	0.016965
36.5891	-0.00417	0.012793	-0.00597	0.014722
36.59383	0.024431	-0.00155	-0.01779	0.03026
36.59855	0.014828	-0.00035	-0.01527	0.021285
36.60328	-0.01132	-0.00627	-0.00683	0.014631
36.60801	0.002005	0.006795	-0.00085	0.007135
36.61273	-0.0157	-0.01339	0.000347	0.020637
36.61746	0.001176	0.002217	0.012211	0.012466

36.62218	-0.01416	-0.00962	-0.00806	0.018926
36.62691	-0.01148	-0.006	-0.01155	0.017358
36.63163	-0.00067	0.004772	-0.00078	0.004881
36.63636	-0.01129	-0.00359	0.007535	0.014041
36.64109	-0.01232	-0.00596	0.001538	0.01377
36.64581	0.019869	-0.00239	-0.00441	0.020492
36.65054	0.011464	0.012969	-0.03047	0.035048
36.65526	-0.00282	0.015206	-0.00649	0.016772
36.65999	-0.01571	0.007905	-0.01237	0.021502
36.66471	-0.00125	0.003079	0.001968	0.003862
36.66944	7.28E-05	0.012489	0.00195	0.012641
36.67417	-0.00933	0.000479	0.009051	0.013005
36.67889	0.002669	0.006365	0.000669	0.006935
36.68362	0.000312	0.019265	-0.01239	0.022908
36.68834	0.006292	0.003597	0.010255	0.012557
36.69307	0.006277	0.014189	-0.01712	0.023106
36.69779	0.00872	0.011642	-0.02054	0.025168
36.70252	0.004037	0.000867	-0.00732	0.008402
36.70725	0.007713	0.012767	0.010541	0.018264
36.71197	0.014832	-0.00274	0.021132	0.025963
36.7167	0.005295	-0.00035	0.022142	0.022769
36.72142	-0.00059	0.012757	0.000603	0.012785
36.72615	0.001899	-0.00629	-0.02194	0.022907
36.73087	0.005551	0.005669	-0.00871	0.011781
36.7356	-0.00393	-0.00621	-0.02169	0.0229
36.74033	0.014045	-0.0144	0.012903	0.023896
36.74505	-0.00074	0.013825	-0.00854	0.016267
36.74978	-0.02923	0.120754	-0.99427	1.002003
36.7545	0.028051	0.23806	-1.69174	1.708633
36.75923	0.032717	-0.09249	1.026331	1.031009
36.76395	-0.12159	-0.23809	1.694003	1.714969
36.76868	-0.06099	-0.10156	0.748478	0.757795
36.77341	0.071804	0.089102	-0.2698	0.293061
36.77813	0.060915	0.094952	-0.59617	0.606753
36.78286	0.028564	-0.01555	0.089798	0.095506
36.78758	-0.01532	-0.08853	0.539844	0.547269
36.79231	-0.00375	-0.03664	0.326471	0.328542
36.79703	0.03973	0.004344	0.053188	0.066531
36.80176	0.022718	0.025094	-0.10035	0.105908
36.80649	-0.00075	-0.00159	-0.11024	0.110249
36.81121	-0.03221	-0.01204	-0.14138	0.145498
36.81594	0.083177	0.082952	-0.26715	0.291834
36.82066	0.022237	0.040124	-0.30406	0.3075

Smartphone date



ation x (m/s^2) ● Linear Acceleration y (m/s^2)
ation z (m/s^2)