

EA02-025

FORD
OCTOBER 27, 2003

APPENDIX N
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PART 4 OF 4

7.12451	99.1303	115.179	984.9	1538.41	-0.004078	6.23187	108.222	-0.010938
7.12551	99.1303	115.317	984.443	1538.14	-0.004078	6.22906	108.271	-0.011563
7.12651	98.7192	115.591	983.758	1538	-0.004078	6.23084	108.222	-0.014375
7.12751	99.1303	115.317	984.215	1535.59	0.02038	6.23281	108.518	-0.010313
7.12851	99.1303	115.317	984.329	1538.41	-0.004078	6.23312	108.024	-0.012813
7.12951	99.4044	115.317	984.215	1535.87	-0.004078	6.22656	108.123	-0.011875
7.13051	99.5414	115.317	984.443	1538.14	-0.004078	6.19969	108.222	-0.012188
7.13151	98.8562	115.179	984.443	1535.87	-0.004078	6.17656	108.173	-0.01125
7.13251	99.2673	115.042	984.215	1538.14	0.057065	6.15969	108.321	-0.011563
7.13351	99.4044	115.317	985.243	1537.1	0.028532	6.21469	108.271	-0.011563
7.13451	99.2673	115.179	984.786	1538.41	-0.004078	6.24687	107.975	-0.011875
7.13551	99.2673	115.317	984.672	1535.87	0.024456	6.23594	107.928	-0.011563
7.13651	99.2673	115.317	985.588	1536	-0.004078	6.23812	108.173	-0.00875
7.13751	99.2673	115.317	984.558	1538.41	-0.004078	6.23719	108.173	-0.012188
7.13851	99.2673	115.317	984.443	1535.48	-0.004078	6.23469	108.271	-0.010938
7.13951	99.2673	115.591	984.558	1536.14	-0.004078	6.23856	108.321	-0.010625
7.14051	99.2673	115.317	984.786	1538.14	0.024456	6.23219	107.975	-0.011875
7.14151	99.1303	115.179	984.672	1538.55	-0.004078	6.23344	108.419	-0.010825
7.14251	99.4044	115.729	984.672	1538.14	-0.004078	6.23094	108.222	-0.012188
7.14351	99.2673	115.888	983.872	1536.69	0.052969	6.23156	107.975	-0.012813
7.14451	99.2673	115.591	984.215	1535.87	-0.004078	6.23156	108.173	-0.01125
7.14551	98.9933	115.317	984.215	1538.14	-0.004078	6.23156	108.271	-0.010938
7.14651	98.8562	115.729	984.672	1538	-0.004078	6.23094	108.123	-0.011563
7.14751	99.1303	115.179	985.814	1538.82	0.02038	6.23438	108.419	-0.011563
7.14851	99.1303	115.317	983.758	1535.59	-0.004078	6.22969	108.123	-0.011563
7.14951	98.9933	115.179	984.215	1535.87	-0.004078	6.23281	108.518	-0.011563
7.15051	99.1303	115.179	984.786	1536	-0.004078	6.22584	108.222	-0.01125
7.15151	98.8562	115.591	984.672	1538.14	-0.004078	6.19688	108.123	-0.011875
7.15251	99.2673	115.317	984.672	1538.14	-0.004078	6.17594	108.222	-0.010313
7.15352	98.8562	115.729	984.215	1538.14	-0.004078	6.15656	107.928	-0.011563
7.15452	99.2673	115.317	984.9	1538	0.036685	6.22781	108.271	-0.012188
7.15552	98.5822	115.317	984.672	1538.41	-0.004078	6.23719	108.321	-0.012813
7.15652	99.1303	115.591	984.443	1538.82	-0.004078	6.23062	108.024	-0.011875
7.15752	99.1303	115.317	984.443	1538.41	-0.004078	6.23406	108.419	-0.011875
7.15852	98.7192	115.317	984.672	1538.14	-0.004078	6.23219	108.37	-0.010313
7.15952	99.4044	115.317	984.558	1535.87	-0.004078	6.23219	108.123	-0.01375
7.16052	99.1303	115.729	983.987	1535.87	-0.004078	6.23219	108.222	-0.011875
7.16152	98.9933	115.317	984.558	1536.14	-0.004078	6.22906	108.173	-0.011563
7.16252	99.1303	115.317	984.215	1538.14	-0.004078	6.22969	108.222	-0.013125
7.16352	99.1303	115.317	983.987	1538.14	-0.004078	6.22969	108.123	-0.010938
7.16452	98.5822	115.317	984.443	1538.14	-0.004078	6.22969	107.928	-0.012188
7.16552	99.4044	115.179	984.329	1536	0.048913	6.22844	108.271	-0.010938
7.16652	98.8562	115.317	984.9	1538.14	-0.004078	6.22719	108.37	-0.010625
7.16752	99.4044	115.591	984.443	1538.14	-0.004078	6.23156	108.024	-0.01125
7.16852	99.4044	115.179	984.672	1535.59	-0.004078	6.22837	108.123	-0.010625
7.16952	98.8562	115.729	984.101	1538.14	-0.004078	6.23031	108.222	-0.009375
7.17052	99.1303	115.888	984.215	1535.87	-0.004078	6.22844	108.271	-0.011563
7.17152	99.1303	115.317	984.329	1535.48	-0.004078	6.21906	108.419	-0.01125
7.17252	99.1303	115.591	984.786	1536	-0.004078	6.19438	108.518	-0.012813
7.17352	98.9933	115.729	984.329	1535.87	-0.004078	6.17062	108.321	-0.012188
7.17452	99.1303	115.317	984.443	1538.14	-0.004078	6.18313	108.222	-0.012188
7.17552	99.1303	115.179	984.443	1538.14	-0.004078	6.23594	108.024	-0.011563

7.17652	99.1303	115.591	984.9	1536.14	0.032609	6.23489	108.173	-0.012813
7.17752	99.1303	115.591	984.443	1535.46	-0.02038	6.23489	108.074	-0.010938
7.17852	99.1303	115.317	984.215	1536.69	-0.004078	6.23594	108.222	-0.011563
7.17952	99.1303	115.317	984.215	1536.32	-0.018304	6.23489	108.321	-0.0125
7.18052	99.4044	115.317	984.443	1536	-0.004078	6.23489	108.321	-0.010938
7.18152	98.4451	115.317	984.443	1535.18	-0.008152	6.23219	107.928	-0.011563
7.18252	99.1303	115.888	983.758	1536.59	-0.004078	6.23312	108.321	-0.012813
7.18352	99.1303	115.317	984.215	1536	0.028532	6.23187	108.419	-0.011563
7.18452	99.1303	115.591	984.786	1536	0.024458	6.22969	108.074	-0.010938
7.18552	99.2673	115.317	984.215	1536.59	0.032609	6.23219	108.321	-0.010825
7.18652	99.1303	115.317	984.443	1535.46	-0.004078	6.22844	108.37	-0.010313
7.18752	99.2673	115.317	984.872	1535.73	0.040761	6.22969	108.321	-0.011875
7.18852	98.5822	115.317	984.329	1536.14	-0.004078	6.22869	108.123	-0.011563
7.18952	98.8582	115.591	984.786	1536.14	-0.004078	6.22906	108.123	-0.011875
7.19052	99.2673	115.317	984.443	1536.59	-0.004078	6.22969	108.123	-0.011875
7.19152	98.8582	115.317	984.872	1535.87	-0.016304	6.22844	108.123	-0.011563
7.19252	98.7192	115.317	984.786	1535.73	0.02038	6.21094	108.024	-0.011875
7.19352	99.5414	115.317	983.987	1535.59	-0.004078	6.18719	108.222	-0.012813
7.19452	98.8582	115.317	984.558	1535.32	-0.004078	6.16489	108.519	-0.01125
7.19552	99.2673	114.905	984.872	1535.73	-0.004078	6.17094	108.173	-0.013125
7.19652	99.1303	115.179	984.9	1536	-0.004078	6.24489	108.123	-0.011563
7.19752	99.1303	115.729	984.872	1536.14	-0.004078	6.23312	108.074	-0.01125
7.19852	99.2673	115.317	984.443	1535.59	0.024458	6.23489	108.074	-0.012188
7.19952	99.1303	115.317	984.443	1535.18	-0.008152	6.23219	108.074	-0.01125
7.20052	99.4044	115.317	984.872	1536.41	-0.004078	6.23719	108.173	-0.010313
7.20152	98.8582	115.042	984.872	1535.59	-0.012228	6.23489	108.074	-0.010938
7.20252	99.4044	115.317	984.558	1535.32	-0.008152	6.23408	108.074	-0.012188
7.20352	99.8155	115.042	984.558	1535.06	-0.004078	6.22844	107.728	-0.0125
7.20452	98.9933	115.591	983.987	1535.32	-0.004078	6.22969	107.876	-0.010313
7.20552	99.1303	115.591	984.215	1535.59	-0.004078	6.23281	108.123	-0.011563
7.20652	99.4044	115.317	984.215	1536	0.02038	6.23219	108.074	-0.012813
7.20752	99.1303	115.179	985.129	1536.14	-0.004078	6.23562	108.074	-0.012813
7.20852	98.8582	115.042	984.9	1536.14	0.024458	6.22969	107.728	-0.011563
7.20952	99.1303	115.317	984.9	1536.32	-0.004078	6.22906	107.928	-0.011563
7.21052	99.1303	115.317	983.987	1535.87	-0.004078	6.23094	108.024	-0.012188
7.21152	99.4044	115.591	984.872	1536.96	-0.004078	6.23156	108.123	-0.011875
7.21252	99.8785	115.317	984.329	1536.59	-0.004078	6.23094	108.37	-0.012813
7.21352	99.4044	115.591	984.443	1535.59	-0.02038	6.20969	108.074	-0.010313
7.21452	99.1303	115.317	984.558	1536.05	-0.02038	6.18313	107.928	-0.012188
7.21552	99.4044	115.317	983.844	1534.91	-0.004078	6.16408	108.024	-0.011563
7.21652	99.8785	114.905	984.443	1535.05	-0.004078	6.17887	108.321	-0.010938
7.21752	99.8785	115.317	984.558	1535.87	-0.004078	6.24906	107.928	-0.010938
7.21852	99.2673	115.317	984.872	1536.14	0.028532	6.23344	108.123	-0.010313
7.21952	99.2673	115.317	984.443	1534.77	-0.004078	6.23344	108.074	-0.010313
7.22052	99.1303	115.888	984.329	1535.05	0.052989	6.23594	108.024	-0.012813
7.22152	99.2673	115.317	984.443	1535.46	-0.004078	6.23594	107.827	-0.011563
7.22252	99.1303	115.317	984.329	1535.59	-0.02038	6.23489	107.827	-0.011563
7.22352	99.1303	115.317	984.443	1536.41	-0.004078	6.23156	107.928	-0.012813
7.22452	99.8155	115.042	983.987	1535.32	-0.004078	6.22969	107.728	-0.01125
7.22552	99.4044	115.591	983.53	1533.95	-0.024458	6.22969	107.531	-0.014083
7.22652	98.9933	115.591	983.758	1535.32	-0.004078	6.22969	107.879	-0.010938
7.22752	98.8582	115.729	984.101	1535.46	-0.004078	6.23156	107.928	-0.010938

7.22852	98.8562	115.317	984.329	1535.48	0.024456	6.23406	107.728	-0.011563
7.22952	99.2673	115.317	984.672	1535.87	-0.004076	6.23219	107.827	-0.012813
7.23052	99.2673	115.317	984.443	1535.87	-0.004076	6.23094	107.926	-0.011875
7.23152	99.2673	115.317	984.443	1535.87	-0.004076	6.23094	107.926	-0.011875
7.23252	99.2673	115.317	984.672	1534.77	-0.004076	6.22937	107.827	-0.012188
7.23352	99.2673	115.317	983.987	1535.32	-0.004076	6.22969	107.926	-0.010938
7.23452	99.4044	115.454	984.329	1535.87	-0.004076	6.20869	107.827	-0.012813
7.23552	99.2673	115.317	984.672	1534.91	-0.004076	6.18344	107.728	-0.010625
7.23652	98.8562	115.179	984.9	1533.95	-0.036685	6.15969	107.235	-0.013438
7.23752	98.8562	115.454	984.443	1534.77	-0.004076	6.19469	107.926	-0.013438
7.23852	99.1303	115.317	984.101	1535.05	-0.004076	6.24856	108.321	-0.011563
7.23952	99.1303	115.317	984.672	1535.46	0.02038	6.22969	107.926	-0.011563
7.24052	99.4044	114.905	984.443	1535.32	-0.004076	6.23781	107.876	-0.012813
7.24152	99.6785	115.591	984.329	1534.91	-0.012228	6.23469	107.876	-0.010938
7.24252	99.1303	115.317	984.9	1535.05	0.044837	6.23375	107.926	-0.01125
7.24352	98.9833	115.729	984.329	1535.05	-0.004076	6.23406	107.83	-0.011875
7.24452	99.1303	115.886	984.329	1534.77	-0.004076	6.23094	107.728	-0.012813
7.24552	99.4044	115.317	984.788	1535.87	-0.004076	6.2325	107.827	-0.012813
7.24652	99.4044	115.729	984.215	1534.77	-0.012228	6.23031	107.679	-0.011563
7.24752	99.2673	115.317	983.53	1533.88	-0.036685	6.22844	107.334	-0.014375
7.24852	99.4044	115.317	984.443	1535.05	-0.004076	6.23219	107.876	-0.011563
7.24952	99.2673	115.591	984.443	1535.32	-0.012228	6.23344	108.321	-0.010625
7.25052	99.6785	115.042	984.672	1535.32	0.024456	6.23406	107.679	-0.010938
7.25152	99.1303	115.317	984.329	1535.05	-0.004076	6.23594	107.876	-0.010938
7.25252	98.8562	115.317	984.443	1535.59	0.036685	6.23094	107.876	-0.01125
7.25352	99.1303	115.317	984.329	1534.77	0.036685	6.23469	107.778	-0.012813
7.25452	99.2673	115.317	984.9	1535.59	-0.004076	6.22844	107.876	-0.011875
7.25552	98.8562	115.317	984.443	1534.77	-0.02038	6.20219	107.728	-0.010938
7.25652	98.8562	115.591	984.443	1535.59	-0.004076	6.17719	107.728	-0.011563
7.25752	99.1303	115.317	984.558	1534.5	-0.008152	6.15969	107.876	-0.011563
7.25852	98.9833	115.179	984.215	1533.95	-0.02038	6.21469	107.294	-0.014063
7.25952	99.2673	115.317	983.758	1534.5	-0.016304	6.24219	107.926	-0.012813
7.26052	99.2673	115.317	984.443	1535.05	-0.012228	6.23344	108.518	-0.011563
7.26152	99.5414	115.179	984.443	1535.59	-0.004076	6.23594	107.876	-0.012813
7.26252	98.8562	115.591	983.987	1535.05	-0.004076	6.23594	107.926	-0.012188
7.26352	99.2673	115.042	983.987	1535.46	-0.004076	6.23562	107.926	-0.012813
7.26452	99.4044	114.63	983.987	1535.18	0.044837	6.23438	108.074	-0.012813
7.26552	99.2673	115.317	984.329	1535.05	-0.004076	6.23406	107.827	-0.011563
7.26652	99.1303	115.454	984.443	1535.46	-0.004076	6.23344	107.876	-0.010625
7.26752	98.7192	115.317	984.443	1536	-0.004076	6.23281	107.826	-0.010313
7.26852	99.4044	115.317	984.329	1534.84	-0.004076	6.23469	107.679	-0.010938
7.26952	99.2673	115.317	983.872	1534.36	-0.018304	6.22969	107.728	-0.010313
7.27052	99.4044	115.317	983.644	1534.81	0.024456	6.23094	107.827	-0.013438
7.27152	99.4044	115.317	983.872	1534.77	0.026532	6.22969	108.271	-0.011875
7.27252	99.6155	114.768	984.329	1535.59	0.02038	6.22969	107.679	-0.011563
7.27352	98.8562	115.317	984.443	1535.05	0.026532	6.23281	108.024	-0.010938
7.27452	99.4044	115.317	984.215	1535.05	-0.004076	6.23344	107.827	-0.010938
7.27552	99.6785	115.042	984.215	1535.05	-0.004076	6.21438	107.827	-0.012188
7.27652	99.2673	115.317	984.672	1535.05	-0.004076	6.18969	108.024	-0.010625
7.27752	99.1303	115.591	984.443	1534.77	-0.004076	6.16969	108.173	-0.010625
7.27852	99.4044	114.768	984.443	1535.73	-0.004076	6.18094	107.975	-0.010938
7.27952	99.2673	115.591	984.443	1534.5	-0.004076	6.23469	107.778	-0.012813

7.28052	99.4044	115.179	984.872	1535.05	-0.024456	6.23312	107.728	-0.0125
7.28152	99.4044	115.317	984.443	1534.77	-0.004076	6.23489	108.123	-0.012813
7.28252	99.1303	115.042	984.872	1534.77	-0.004076	6.23489	108.321	-0.01125
7.28352	99.1303	115.317	983.987	1535.05	-0.004076	6.23719	107.828	-0.010938
7.28452	99.1303	115.317	983.987	1535.73	-0.004076	6.23906	108.123	-0.010319
7.28552	99.1303	115.317	984.443	1534.5	-0.004076	6.23531	108.024	-0.011563
7.28652	99.1303	115.317	984.872	1534.5	-0.004076	6.23489	108.123	-0.011563
7.28752	99.1303	115.317	984.215	1535.05	-0.004076	6.23084	108.271	-0.011875
7.28852	99.5414	115.317	983.53	1535.05	-0.008152	6.23219	107.827	-0.012188
7.28952	99.2873	115.317	984.329	1535.05	-0.004076	6.23219	107.975	-0.012188
7.29052	99.4044	115.317	984.443	1534.91	-0.004076	6.23084	108.024	-0.012188
7.29152	99.2873	115.317	985.357	1535.59	-0.004076	6.23312	107.876	-0.010825
7.29253	99.4044	115.317	983.758	1535.05	-0.012228	6.23084	107.728	-0.014083
7.29353	99.4044	115.591	983.987	1534.91	-0.008152	6.23489	108.271	-0.012188
7.29453	98.7182	115.179	984.872	1535.05	-0.004076	6.23489	108.074	-0.011563
7.29553	99.4044	115.317	983.987	1534.5	-0.004076	6.23084	108.123	-0.012188
7.29653	98.8562	115.591	984.215	1535.05	-0.004076	6.21582	107.876	-0.012188
7.29753	99.1303	115.317	984.215	1535.32	0.02038	6.18781	107.827	-0.012188
7.29853	99.4044	115.179	983.758	1534.91	-0.004076	6.16887	108.123	-0.011875
7.29953	99.1303	115.317	984.443	1534.77	-0.004076	6.17158	107.975	-0.010825
7.30053	99.2873	115.317	983.987	1538.96	-0.004076	6.24719	108.024	-0.010313
7.30153	99.2873	115.317	985.129	1534.77	-0.004076	6.23719	107.975	-0.010825
7.30253	99.1303	115.317	984.101	1534.64	-0.004076	6.23875	108.074	-0.010313
7.30353	99.4044	115.729	983.53	1533.54	-0.02038	6.23719	107.828	-0.012813
7.30453	98.8562	115.591	983.987	1534.77	-0.004076	6.23584	108.222	-0.011563
7.30553	98.8562	115.317	983.758	1534.96	-0.012228	6.23489	107.58	-0.011875
7.30653	98.8562	115.591	983.53	1534.91	-0.004076	6.23719	108.123	-0.012813
7.30753	99.4044	115.042	984.329	1535.05	-0.004076	6.23281	107.876	-0.011875
7.30853	99.1303	115.317	984.443	1535.05	0.024456	6.23219	107.928	-0.012813
7.30953	98.8562	115.317	984.215	1534.91	0.02038	6.23156	108.173	-0.012813
7.31053	98.8562	115.317	983.872	1535.05	-0.004076	6.23158	108.024	-0.010313
7.31153	99.1303	115.317	983.987	1535.18	-0.004076	6.23344	107.728	-0.010938
7.31253	99.2873	115.317	984.872	1534.64	-0.004076	6.23084	107.827	-0.010825
7.31353	99.2873	116.003	984.9	1535.05	-0.004076	6.22989	107.728	-0.008438
7.31453	99.1303	115.866	983.53	1533.95	-0.004076	6.23156	107.728	-0.012813
7.31553	99.8785	115.042	984.215	1534.5	-0.004076	6.23344	107.875	-0.011563
7.31653	99.1303	115.317	984.443	1534.5	0.02038	6.23344	108.074	-0.010938
7.31753	99.4044	115.317	984.215	1535.05	-0.004076	6.21219	108.024	-0.011875
7.31853	99.1303	115.317	984.329	1534.77	-0.004076	6.18281	107.876	-0.01125
7.31953	99.2873	115.317	984.443	1535.32	-0.004076	6.16489	107.926	-0.011563
7.32053	99.5414	115.179	984.329	1535.05	0.028532	6.18582	108.024	-0.010825
7.32153	99.2873	115.317	983.758	1534.36	-0.004076	6.24844	107.58	-0.012813
7.32253	99.2873	115.591	983.987	1536.14	-0.004076	6.23219	107.827	-0.010313
7.32353	99.4044	114.788	984.443	1534.77	-0.004076	6.23989	107.827	-0.011875
7.32453	99.2873	115.317	985.243	1534.36	-0.004076	6.23875	107.728	-0.010825
7.32553	99.4044	115.729	983.416	1534.36	-0.004076	6.23781	107.827	-0.014083
7.32653	99.2873	115.317	984.215	1533.68	-0.004076	6.23844	108.173	-0.011563
7.32753	99.2873	116.317	984.872	1534.77	-0.004076	6.23594	107.879	-0.012813
7.32853	99.4044	115.591	984.215	1534.64	-0.004076	6.23187	107.876	-0.011563
7.32953	99.1303	115.317	984.215	1534.77	-0.004076	6.23406	107.728	-0.011875
7.33053	99.1303	115.454	983.987	1534.5	-0.004076	6.23406	107.827	-0.012188
7.33153	98.8562	115.317	984.443	1534.5	0.032609	6.23719	107.728	-0.012188

7.33253	99.1303	115.317	984.443	1534.91	-0.004076	6.23312	107.975	-0.010625
7.33353	99.2673	115.866	983.644	1534.91	-0.024458	6.23344	107.728	-0.013125
7.33453	99.1303	115.042	984.672	1534.5	-0.004076	6.23469	107.531	-0.011583
7.33553	99.4044	115.317	984.9	1534.36	-0.004076	6.23406	107.879	-0.007188
7.33653	99.2673	115.591	984.215	1534.91	-0.02038	6.23656	107.627	-0.012188
7.33753	99.2673	115.317	984.329	1533.95	-0.004076	6.22969	107.926	-0.011563
7.33853	99.4044	114.768	984.215	1534.23	-0.004076	6.20219	107.926	-0.011563
7.33953	99.1303	115.454	985.129	1534.5	0.02038	6.18158	107.531	-0.012613
7.34053	99.1303	115.317	983.967	1534.36	-0.004076	6.16406	107.826	-0.012188
7.34153	99.4044	116.003	984.443	1534.5	-0.004076	6.22583	107.334	-0.011563
7.34253	99.2673	115.317	984.443	1533.95	0.028532	6.23989	107.432	-0.012188
7.34353	99.1303	115.317	984.101	1533.54	-0.004076	6.23594	107.531	-0.01125
7.34453	98.5822	115.317	984.788	1535.87	0.016304	6.23937	107.531	-0.011563
7.34553	98.9933	115.317	983.967	1533.95	-0.004076	6.23719	107.63	-0.010313
7.34653	99.1303	115.317	984.8	1534.23	-0.008152	6.23969	107.482	-0.010313
7.34753	99.5414	115.317	983.872	1534.84	-0.004076	6.23656	107.531	-0.011875
7.34853	99.4044	115.729	983.53	1534.5	-0.004076	6.23719	107.827	-0.010836
7.34953	99.4044	115.866	983.967	1534.36	-0.004076	6.23719	107.531	-0.011563
7.35053	99.4044	115.179	984.672	1533.95	0.02038	6.23469	107.482	-0.010313
7.35153	98.9933	115.591	983.758	1534.5	-0.004076	6.23869	107.531	-0.012613
7.35253	98.8582	115.317	983.967	1534.91	-0.004076	6.23406	107.334	-0.011563
7.35353	98.8582	115.591	984.329	1534.5	0.016304	6.23719	107.432	-0.012613
7.35453	99.1303	115.591	984.672	1534.84	-0.004076	6.23582	107.334	-0.011875
7.35553	99.1303	115.179	984.329	1535.46	-0.02038	6.23469	107.136	-0.013125
7.35653	99.2673	115.317	984.329	1533.82	-0.004076	6.23469	107.334	-0.012613
7.35753	99.1303	115.317	984.9	1533.95	-0.004076	6.23281	107.284	-0.008438
7.35853	99.4044	115.454	983.872	1534.36	-0.012228	6.21531	107.284	-0.013438
7.35953	98.5822	115.317	983.758	1533.41	-0.008152	6.19084	107.235	-0.012188
7.36053	98.9933	115.317	984.215	1534.5	-0.004076	6.18808	107.087	-0.012613
7.36153	99.1303	115.042	984.443	1534.5	0.02038	6.18858	107.284	-0.011563
7.36253	99.4044	115.729	983.967	1534.36	-0.004076	6.23969	107.531	-0.011563
7.36353	98.9933	115.317	983.758	1534.36	-0.012228	6.23219	107.284	-0.010625
7.36453	99.2673	115.866	983.758	1534.23	0.028532	6.23625	107.284	-0.012613
7.36553	99.6785	115.317	984.672	1533.95	-0.004076	6.23531	107.038	-0.010313
7.36653	99.4044	115.317	984.215	1534.77	-0.004076	6.23469	107.235	-0.01125
7.36753	98.8582	115.317	984.443	1533.95	-0.004076	6.23531	107.334	-0.01125
7.36853	99.1303	115.317	984.9	1534.36	-0.004076	6.23312	107.334	-0.009688
7.36953	99.6785	115.042	983.758	1533.95	-0.004076	6.23406	107.235	-0.012188
7.37053	99.6785	114.905	983.967	1533.95	-0.004076	6.23094	107.63	-0.010836
7.37153	99.4044	115.317	984.215	1533.95	-0.004076	6.23219	107.334	-0.011563
7.37253	99.4044	115.317	983.967	1534.5	-0.004076	6.23125	107.136	-0.011563
7.37353	99.2673	115.317	983.644	1534.5	-0.004076	6.23187	107.334	-0.012188
7.37453	99.8155	115.317	983.967	1534.91	0.028532	6.23281	107.136	-0.011875
7.37553	99.2673	115.317	983.758	1534.23	-0.008152	6.23062	107.136	-0.012188
7.37653	99.1303	115.317	984.101	1534.5	-0.02038	6.23312	107.235	-0.009375
7.37753	99.2673	115.317	984.443	1534.91	-0.004076	6.23158	107.334	-0.009688
7.37853	99.1303	115.317	984.443	1532.86	-0.012228	6.23062	107.334	-0.011563
7.37953	99.1303	115.317	983.758	1533.82	-0.004076	6.21281	106.939	-0.012613
7.38053	98.8582	115.454	984.215	1533.95	-0.016304	6.18469	107.087	-0.010313
7.38153	98.8582	115.317	984.101	1534.5	-0.004076	6.18781	107.531	-0.010836
7.38253	99.2673	115.591	983.872	1533.95	0.024458	6.17166	107.186	-0.010313
7.38353	99.1303	115.317	983.967	1533.95	-0.004076	6.24594	107.383	-0.014063

7.38453	99.1303	115.317	984.443	1534.5	0.028532	6.23858	107.334	-0.010625
7.38553	99.1303	115.317	984.329	1534.23	0.02038	6.23719	107.138	-0.01125
7.38653	99.1303	115.179	984.101	1533.86	0.040761	6.23594	107.284	-0.011563
7.38753	99.2673	115.317	984.872	1533.95	-0.004076	6.23888	107.138	-0.011563
7.38853	99.2673	115.591	983.53	1535.32	-0.004076	6.23438	107.138	-0.009688
7.38953	99.2673	115.317	983.987	1533.95	-0.012228	6.23469	107.087	-0.011563
7.39053	99.1303	115.317	983.987	1533.95	-0.006152	6.23158	107.284	-0.010313
7.39153	99.2673	115.317	984.215	1533.41	-0.004076	6.22969	107.138	-0.013438
7.39253	99.2673	115.317	983.987	1533.95	0.02038	6.23469	107.334	-0.010938
7.39353	98.8582	115.317	983.987	1533.95	-0.004076	6.23281	107.334	-0.012188
7.39453	99.2673	115.317	983.758	1534.23	-0.012228	6.23158	107.138	-0.010938
7.39553	99.1303	115.591	983.301	1533.82	-0.004076	6.23219	107.235	-0.012613
7.39653	98.8582	115.729	983.987	1533.95	0.02038	6.23344	107.334	-0.010313
7.39753	99.1303	115.179	984.215	1533.41	-0.004076	6.23531	107.138	-0.012188
7.39853	99.2673	115.317	983.987	1533.68	-0.02038	6.23219	107.383	-0.011583
7.39953	99.2673	115.317	984.215	1534.5	-0.004076	6.23281	107.334	-0.01125
7.40053	99.1303	115.317	983.987	1533.95	-0.004076	6.21219	107.235	-0.011563
7.40153	99.4044	115.317	984.443	1533.88	-0.004076	6.18594	107.334	-0.010313
7.40253	99.2673	115.729	983.073	1533.27	-0.016304	6.16437	107.235	-0.012613
7.40353	99.8785	115.317	984.215	1533.41	-0.004076	6.18844	107.531	-0.010838
7.40453	99.2673	115.317	984.9	1533.88	-0.004076	6.24969	107.482	-0.012613
7.40553	98.7182	115.317	984.215	1533.95	-0.004076	6.23281	107.383	-0.012613
7.40653	99.2673	115.317	983.987	1533.95	-0.004076	6.23969	107.334	-0.010938
7.40753	99.1303	115.729	984.215	1533.68	-0.004076	6.23344	107.383	-0.011583
7.40853	99.8155	115.317	983.987	1534.5	0.040761	6.23312	107.334	-0.012188
7.40953	99.2673	115.591	983.758	1533.41	-0.004076	6.23438	107.284	-0.011583
7.41053	99.1303	115.591	984.215	1535.59	-0.004076	6.23281	107.531	-0.010938
7.41153	99.1303	115.179	983.987	1533.27	-0.02038	6.23219	107.334	-0.012613
7.41253	99.2673	115.317	983.872	1533.95	-0.016304	6.22969	107.531	-0.009375
7.41353	99.5414	115.591	984.329	1533.68	-0.028532	6.22937	107.186	-0.013125
7.41453	99.4044	115.179	983.987	1534.23	-0.012228	6.23187	107.432	-0.0125
7.41553	99.1303	115.317	983.644	1533.82	0.02038	6.22969	107.728	-0.011583
7.41653	98.5822	115.042	983.872	1533.54	-0.004076	6.23219	107.63	-0.011583
7.41753	99.5414	115.042	984.443	1533.95	-0.004076	6.23594	107.432	-0.010313
7.41853	99.1303	115.729	983.987	1533.95	-0.004076	6.22937	107.432	-0.010313
7.41953	99.1303	115.317	983.758	1533.96	0.048919	6.23084	107.482	-0.010625
7.42053	99.4044	115.317	983.987	1533.68	-0.004076	6.23084	107.63	-0.0125
7.42153	99.4044	115.866	983.644	1534.91	-0.004076	6.20875	107.531	-0.012188
7.42253	99.5414	115.729	983.872	1533.13	-0.004076	6.18219	107.482	-0.0125
7.42353	98.8582	115.317	983.987	1533.13	-0.004076	6.15781	107.531	-0.010313
7.42453	98.8582	115.317	982.844	1532.32	-0.02038	6.18408	107.235	-0.015313
7.42553	99.4044	115.591	983.987	1533.41	-0.004076	6.24344	107.63	-0.010938
7.42653	99.2673	115.591	983.987	1533.95	-0.004076	6.22844	107.728	-0.011875
7.42753	99.1303	115.317	983.987	1533.68	-0.004076	6.23531	107.63	-0.010938
7.42853	99.1303	115.454	984.872	1533.68	-0.004076	6.23408	107.679	-0.011875
7.42953	99.4044	115.317	984.443	1534.36	0.028532	6.22969	107.63	-0.0125
7.43053	99.4044	115.866	983.63	1533.68	-0.004076	6.22969	107.63	-0.012613
7.43154	98.7182	115.317	983.987	1533.68	-0.012228	6.22719	107.679	-0.010838
7.43254	99.2673	115.042	984.215	1533.41	-0.004076	6.22887	107.531	-0.012188
7.43354	99.8155	114.768	983.758	1533.54	0.024456	6.22563	107.432	-0.009375
7.43454	98.8582	115.866	984.101	1533.95	-0.004076	6.22813	107.679	-0.009688
7.43554	98.8582	115.317	983.872	1533.27	-0.052989	6.22719	107.334	-0.012613

7.43654	99.2673	115.317	983.301	1533.95	-0.004078	6.22563	107.778	-0.01125
7.43754	99.6785	114.768	983.872	1533.27	-0.004078	6.22858	108.123	-0.010625
7.43854	98.8582	115.317	983.987	1533.13	-0.004078	6.22469	107.334	-0.011563
7.43954	99.4044	115.729	984.101	1533.68	-0.004078	6.22719	107.876	-0.012813
7.44054	99.4044	115.591	983.987	1533.95	-0.004078	6.22844	107.531	-0.011563
7.44154	99.1303	115.179	983.987	1533.54	0.028532	6.22344	107.531	-0.011563
7.44254	99.1303	115.317	984.443	1533.95	-0.004078	6.19969	107.926	-0.013125
7.44354	99.2673	115.591	984.329	1533.88	-0.016304	6.17812	107.63	-0.011563
7.44454	99.2673	115.317	984.329	1533.95	-0.004078	6.15719	107.63	-0.011875
7.44554	99.1303	115.591	983.987	1533.13	-0.004078	6.19531	107.58	-0.010625
7.44654	99.1303	115.866	982.502	1532.04	-0.040781	6.24281	107.284	-0.015313
7.44754	99.1303	115.591	983.844	1533.80	-0.004078	6.22969	107.334	-0.013125
7.44854	99.2673	115.317	984.558	1533.68	0.02038	6.23438	107.63	-0.011875
7.44954	99.2673	115.317	984.216	1533.82	0.024458	6.23312	107.531	-0.010313
7.45054	99.2673	115.317	984.329	1533.41	-0.004078	6.23582	107.728	-0.010625
7.45154	99.2673	115.317	983.987	1534.5	-0.004078	6.23312	107.531	-0.010313
7.45254	99.2673	115.729	984.329	1533.41	0.052989	6.22969	107.63	-0.010313
7.45354	98.9833	115.591	983.758	1533.13	-0.004078	6.22844	107.432	-0.010313
7.45454	99.1303	115.317	984.329	1533.82	-0.004078	6.22858	107.63	-0.011563
7.45554	99.6785	114.905	984.101	1533.82	-0.004078	6.22969	107.482	-0.011563
7.45654	99.5414	114.768	983.872	1532.86	-0.004078	6.22906	107.679	-0.011563
7.45754	99.1303	115.317	983.987	1532.32	-0.040781	6.22437	107.138	-0.014668
7.45854	98.8582	115.317	983.872	1533.82	-0.004078	6.22781	107.432	-0.011563
7.45954	99.2673	115.591	983.872	1532.73	-0.016304	6.22781	107.63	-0.012813
7.46054	98.7192	115.317	983.758	1533.13	-0.004078	6.23094	107.482	-0.011875
7.46154	99.8155	115.317	984.101	1533.82	-0.004078	6.23219	107.383	-0.011875
7.46254	99.2673	115.179	983.987	1532.73	-0.004078	6.22187	107.432	-0.011563
7.46354	99.2673	115.317	983.758	1533.13	0.044837	6.19969	107.334	-0.011563
7.46454	99.1303	115.317	983.53	1533.68	-0.004078	6.17438	107.63	-0.010938
7.46554	98.7192	115.317	983.872	1533.95	-0.004078	6.15844	107.284	-0.011563
7.46654	98.8582	115.729	983.987	1533.41	-0.008152	6.20437	107.432	-0.009063
7.46754	99.4044	115.317	984.215	1533.13	-0.004078	6.24156	107.334	-0.010938
7.46854	99.2673	115.317	983.073	1532.04	-0.069293	6.22719	106.89	-0.012188
7.46954	99.1303	115.317	983.872	1533.68	0.028532	6.23344	107.383	-0.012813
7.47054	99.1303	115.591	984.215	1532.86	-0.004078	6.23406	107.926	-0.012188
7.47154	99.2673	115.317	983.987	1532.86	-0.004078	6.23219	107.334	-0.012188
7.47254	99.4044	115.179	983.872	1533.54	-0.004078	6.23406	107.334	-0.013438
7.47354	99.1303	115.317	983.872	1533.95	-0.012228	6.22969	107.138	-0.011875
7.47454	98.8582	115.317	984.215	1533.13	0.040781	6.22719	107.334	-0.010313
7.47554	99.2673	115.317	983.844	1533.27	-0.012228	6.22937	107.383	-0.012813
7.47654	99.6785	115.317	983.987	1533.41	-0.004078	6.23168	107.531	-0.010625
7.47754	98.8582	115.317	983.53	1533.95	-0.004078	6.22781	107.334	-0.011563
7.47854	99.2673	115.317	983.758	1532.86	-0.004078	6.22969	107.334	-0.012813
7.47954	98.8582	115.317	983.418	1531.77	-0.036685	6.22344	106.643	-0.013438
7.48054	99.6785	114.768	983.844	1532.73	-0.004078	6.22719	107.138	-0.012813
7.48154	99.1303	115.591	983.872	1533.13	-0.004078	6.22844	107.432	-0.011563
7.48254	99.1303	115.454	983.844	1532.86	-0.004078	6.22813	106.939	-0.011563
7.48354	99.5414	115.317	984.215	1533.68	-0.004078	6.23158	107.334	-0.010938
7.48454	99.4044	115.317	983.758	1533.54	-0.004078	6.19906	107.138	-0.010313
7.48554	98.8582	115.591	984.215	1533.68	-0.004078	6.17531	107.138	-0.010625
7.48654	99.1303	115.317	984.101	1533.82	-0.004078	6.15594	107.038	-0.01125
7.48754	99.2673	115.042	983.987	1533.82	-0.004078	6.21584	107.087	-0.010625

7.48854	99.2873	115.317	984.215	1532.86	-0.004076	6.23906	106.742	-0.013125
7.48954	99.1303	115.729	984.101	1532.86	-0.004076	6.22781	107.038	-0.011583
7.49054	99.1303	115.042	984.9	1532.86	-0.004076	6.23156	107.038	-0.011583
7.49154	99.1303	115.317	983.416	1533.41	-0.004076	6.23156	106.84	-0.012813
7.49254	99.2873	115.454	983.758	1533.68	-0.004076	6.23187	107.531	-0.011875
7.49354	99.4044	115.317	983.53	1532.86	0.02038	6.23094	106.89	-0.011583
7.49454	99.4044	114.768	983.53	1532.86	-0.004076	6.22719	107.038	-0.011875
7.49554	99.2873	115.317	983.758	1533.27	-0.004076	6.22656	107.038	-0.011583
7.49654	99.8155	115.042	983.987	1533.13	-0.004076	6.22531	107.334	-0.011875
7.49754	99.4044	115.317	983.872	1534.5	-0.004076	6.22594	106.84	-0.012813
7.49854	98.9933	115.317	983.987	1533.13	-0.004076	6.22719	106.742	-0.011875
7.49954	99.2873	115.317	983.53	1533.27	-0.004076	6.22489	107.087	-0.010625
7.50054	99.2873	115.042	983.758	1532.04	-0.004076	6.22906	107.136	-0.011583
7.50154	98.8562	115.042	983.758	1531.77	-0.024456	6.22719	107.136	-0.009688
7.50254	99.4044	115.591	983.416	1532.69	-0.004076	6.22781	106.939	-0.011583
7.50354	99.4044	115.317	983.872	1533.13	-0.004076	6.23031	107.334	-0.01125
7.50454	99.4044	115.317	983.758	1533.95	-0.004076	6.22156	107.087	-0.012188
7.50554	98.7192	115.317	983.987	1533.68	0.024456	6.19584	106.939	-0.012188
7.50654	99.5414	116.317	983.53	1533.27	-0.004076	6.17188	106.939	-0.012813
7.50754	99.4044	115.042	984.443	1532.32	-0.004076	6.15858	107.136	-0.010313
7.50854	98.9933	116.591	983.53	1532.58	0.028532	6.22219	107.087	-0.012188
7.50954	99.4044	115.729	983.073	1532.86	-0.004076	6.23438	106.89	-0.012188
7.51054	99.4044	116.317	983.53	1533.41	-0.004076	6.22908	106.939	-0.010938
7.51154	99.1303	115.591	983.758	1532.73	-0.012228	6.23219	107.136	-0.010313
7.51254	98.8562	115.454	985.129	1533.41	-0.004076	6.23094	107.186	-0.009375
7.51354	99.2873	116.591	983.301	1532.73	-0.004076	6.23094	106.89	-0.014083
7.51454	99.2873	115.179	983.987	1532.59	-0.004076	6.22906	107.136	-0.012188
7.51554	99.1303	116.042	983.53	1532.86	-0.004076	6.22594	107.038	-0.010938
7.51654	99.4044	116.317	983.987	1533.41	0.036685	6.23082	107.136	-0.010938
7.51754	99.4044	116.179	983.758	1533.13	-0.004076	6.22719	107.136	-0.010313
7.51854	99.4044	115.729	982.616	1532.59	-0.012228	6.22719	106.939	-0.011583
7.51954	99.4044	116.317	983.987	1533.13	0.02038	6.22781	107.038	-0.012188
7.52054	99.4044	115.317	983.987	1532.86	-0.008152	6.22489	107.087	-0.010313
7.52154	98.5822	115.317	984.101	1534.23	-0.004076	6.22656	106.742	-0.012813
7.52254	98.9933	115.317	983.987	1532.32	-0.004076	6.22584	106.939	-0.011875
7.52354	99.4044	115.317	985.243	1532.04	-0.004076	6.22656	106.988	-0.010313
7.52454	99.4044	115.317	983.301	1532.86	-0.004076	6.22594	106.89	-0.012188
7.52554	99.4044	115.317	983.872	1532.86	-0.004076	6.21219	107.334	-0.013438
7.52654	99.4044	115.179	983.53	1532.86	-0.004076	6.18937	107.038	-0.010313
7.52754	99.4044	116.317	983.758	1532.86	-0.004076	6.18969	107.186	-0.011583
7.52854	98.7192	115.179	983.416	1532.59	-0.004076	6.15719	106.939	-0.012188
7.52954	99.2873	116.317	983.987	1533.27	-0.004076	6.22969	107.038	-0.010313
7.53054	99.2873	115.968	983.987	1533.68	-0.004076	6.22969	106.939	-0.0125
7.53154	99.4044	115.317	984.215	1533.27	-0.004076	6.23062	106.939	-0.01125
7.53254	99.5414	115.317	984.329	1533.13	-0.004076	6.23219	106.89	-0.010938
7.53354	99.2873	115.591	983.987	1532.59	-0.004076	6.23062	107.038	-0.009375
7.53454	99.4044	115.317	984.872	1532.32	-0.004076	6.23156	107.038	-0.007813
7.53554	99.2873	115.317	983.53	1532.04	0.02038	6.22969	106.791	-0.0125
7.53654	99.4044	115.317	983.301	1532.59	-0.004076	6.22969	106.791	-0.013125
7.53754	99.2873	115.179	983.53	1533.13	-0.004076	6.22469	106.939	-0.011583
7.53854	98.8582	115.179	984.215	1533.27	-0.004076	6.22813	107.136	-0.011875
7.53954	99.6785	115.179	983.53	1532.86	-0.004076	6.22625	106.939	-0.012188

7.54054	99.5414	115.317	983.758	1533.13	0.028532	6.22531	107.087	-0.011583
7.54154	99.4044	115.317	984.215	1532.32	0.024456	6.22594	106.939	-0.011583
7.54254	99.1303	115.317	983.758	1532.86	-0.004076	6.22825	106.742	-0.012188
7.54354	99.4044	115.317	983.987	1534.5	-0.008152	6.22856	106.939	-0.012188
7.54454	99.2673	115.179	983.758	1532.86	-0.004076	6.22937	107.087	-0.011875
7.54554	99.1303	115.317	984.9	1532.45	-0.004076	6.22656	106.939	-0.008688
7.54654	99.4044	116.003	983.073	1532.59	-0.004076	6.21531	106.791	-0.012813
7.54754	99.4044	115.317	983.987	1532.86	-0.004076	6.18469	107.235	-0.011583
7.54854	99.2673	115.317	983.416	1532.45	-0.004076	6.18408	106.939	-0.011583
7.54954	98.8562	116.179	983.987	1532.86	-0.004076	6.15844	106.939	-0.010313
7.55054	99.5414	114.768	983.901	1532.86	-0.004076	6.23156	106.939	-0.010313
7.55154	99.5414	115.868	983.987	1532.86	0.036685	6.23344	106.939	-0.011583
7.55254	99.1303	115.317	983.987	1532.59	-0.004076	6.23125	106.84	-0.010313
7.55354	98.5822	116.729	983.758	1532.45	-0.012228	6.22906	106.892	-0.012188
7.55454	99.2673	115.591	984.329	1532.86	-0.018304	6.22969	106.544	-0.012813
7.55554	98.7182	115.317	983.53	1532.32	-0.004076	6.22908	106.939	-0.010938
7.55654	99.4044	116.003	984.872	1532.86	-0.004076	6.22969	106.89	-0.007188
7.55754	99.2673	115.317	983.758	1532.32	-0.004076	6.22719	106.892	-0.012813
7.55854	99.5414	115.317	983.901	1532.18	-0.004076	6.22856	106.791	-0.012188
7.55954	99.4044	115.317	983.53	1532.18	-0.004076	6.22887	107.038	-0.010938
7.56054	99.4044	115.317	983.758	1532.45	-0.004076	6.22531	106.84	-0.010938
7.56154	99.8785	115.042	983.53	1532.32	-0.004076	6.22469	106.544	-0.010938
7.56254	99.4044	114.768	983.53	1532.04	-0.004076	6.22408	106.742	-0.012188
7.56354	99.1303	115.317	983.987	1531.77	0.040761	6.22344	106.939	-0.011583
7.56454	98.8933	115.317	983.53	1532.32	-0.004076	6.22813	106.742	-0.012188
7.56554	99.1303	115.179	983.987	1533.82	-0.004076	6.22844	106.643	-0.012188
7.56654	99.4044	115.317	983.758	1531.77	-0.004076	6.22844	106.544	-0.011875
7.56754	99.8155	115.317	984.872	1532.59	-0.004076	6.21688	106.939	-0.008688
7.56854	99.1303	116.179	983.644	1532.04	-0.004076	6.18658	106.742	-0.012188
7.56954	99.9526	115.179	983.53	1532.32	-0.012228	6.18663	107.235	-0.012813
7.57054	99.2673	116.729	983.644	1532.59	-0.004076	6.18219	106.939	-0.013125
7.57154	99.2673	115.317	983.901	1532.86	-0.004076	6.23719	106.742	-0.0125
7.57254	99.4044	115.317	983.416	1533.13	-0.004076	6.23469	106.742	-0.011583
7.57354	98.8562	116.868	983.53	1532.73	0.028532	6.23344	106.643	-0.011583
7.57454	99.4044	115.317	983.416	1532.86	0.040761	6.23281	106.742	-0.011583
7.57554	98.8562	115.317	983.758	1531.77	-0.02038	6.23084	106.742	-0.011875
7.57654	99.2673	115.868	983.53	1533.41	-0.004076	6.23084	106.643	-0.01125
7.57754	98.8562	115.317	983.987	1532.32	-0.012228	6.23187	106.742	-0.01125
7.57854	99.4044	114.905	984.443	1532.32	-0.004076	6.22887	106.643	-0.010938
7.57954	99.2673	115.591	983.416	1531.77	-0.004076	6.22781	106.544	-0.012188
7.58054	98.9933	115.454	983.758	1532.59	0.024456	6.22856	107.038	-0.010825
7.58154	99.4044	116.179	983.987	1532.32	-0.004076	6.22887	106.791	-0.012188
7.58254	99.8785	115.591	983.53	1532.86	-0.004076	6.22719	106.643	-0.011875
7.58354	99.4044	115.454	983.644	1532.86	-0.004076	6.22719	106.544	-0.010938
7.58454	99.4044	115.317	983.987	1532.73	-0.004076	6.22844	106.643	-0.010825
7.58554	99.4044	114.905	983.53	1532.04	0.052989	6.22844	106.544	-0.0125
7.58654	99.4044	115.591	983.073	1532.86	-0.004076	6.22719	106.892	-0.010938
7.58754	99.2673	115.729	983.644	1533.95	-0.004076	6.22906	106.544	-0.011583
7.58854	99.4044	115.317	983.644	1532.32	0.02038	6.21219	106.643	-0.011583
7.58954	99.5414	115.317	983.073	1532.32	-0.004076	6.18694	106.544	-0.008688
7.59054	99.8785	115.729	983.073	1531.36	-0.004076	6.18408	106.544	-0.012813
7.59154	99.8785	115.317	983.644	1531.77	-0.004076	6.18812	106.791	-0.013438

7.59255	99.2673	115.591	983.758	1532.86	-0.004076	6.24594	106.892	-0.013438
7.59355	99.5822	115.317	983.758	1532.59	0.024456	6.23156	106.347	-0.010625
7.59455	99.5414	114.768	983.758	1532.86	-0.004076	6.23825	106.347	-0.01125
7.59555	99.2673	115.317	983.758	1532.59	-0.004076	6.23344	106.445	-0.010913
7.59655	99.2673	115.729	983.872	1532.59	0.028532	6.23156	106.593	-0.01125
7.59755	99.1303	115.317	983.073	1532.04	-0.028532	6.23156	106.643	-0.010938
7.59855	99.5414	115.179	983.758	1533.13	-0.004076	6.22969	106.742	-0.011875
7.59955	99.2673	115.317	983.872	1532.04	0.024456	6.22781	106.445	-0.011563
7.60055	99.5414	114.768	983.53	1531.77	-0.004076	6.22844	106.495	-0.011563
7.60155	99.4044	115.179	983.073	1531.77	-0.024456	6.22656	106.445	-0.012188
7.60255	99.1303	115.317	983.301	1531.77	-0.02038	6.23031	106.445	-0.010938
7.60355	99.7192	115.317	983.53	1531.77	-0.004076	6.22887	106.643	-0.010938
7.60455	99.4044	115.042	983.53	1532.32	-0.004076	6.22718	106.544	-0.011875
7.60555	99.7192	115.454	983.758	1532.32	0.024456	6.22937	106.445	-0.011875
7.60655	99.1303	115.591	983.416	1531.77	-0.004076	6.22489	106.396	-0.011875
7.60755	99.2673	115.317	983.53	1532.32	0.036685	6.22969	106.445	-0.013438
7.60855	99.2673	115.317	983.872	1532.32	-0.004076	6.22594	106.347	-0.012813
7.60955	99.2673	115.317	983.758	1533.82	-0.004076	6.20158	106.396	-0.012188
7.61055	99.4044	115.179	984.215	1532.18	-0.004076	6.18084	106.347	-0.0125
7.61155	99.6785	116.003	983.073	1531.5	-0.008152	6.15875	106.396	-0.010313
7.61255	99.4044	115.179	984.443	1532.59	0.02038	6.18469	106.347	-0.010625
7.61355	99.2673	115.317	983.53	1531.5	-0.004076	6.24469	106.347	-0.012188
7.61455	99.4044	115.317	983.987	1532.73	0.028532	6.22844	106.643	-0.011875
7.61555	99.4044	115.591	983.53	1532.04	-0.004076	6.23489	106.347	-0.010938
7.61655	99.6785	115.317	983.53	1531.77	-0.004076	6.23219	106.396	-0.011563
7.61755	99.1303	115.179	983.987	1531.77	-0.004076	6.23406	106.199	-0.012188
7.61855	99.2673	115.179	983.758	1531.77	0.028532	6.23219	106.248	-0.009688
7.61955	99.8155	114.768	983.987	1531.77	-0.004076	6.22937	106.347	-0.010938
7.62055	99.2673	115.317	983.644	1532.59	-0.004076	6.22937	106.149	-0.012188
7.62155	99.5414	114.768	983.301	1531.36	-0.004076	6.22594	106.495	-0.010938
7.62255	99.4044	115.317	985.357	1531.77	-0.004076	6.22969	106.248	-0.009063
7.62355	99.1303	115.179	983.073	1531.5	-0.004076	6.22969	106.1	-0.014063
7.62455	99.4044	115.317	983.416	1531.77	-0.004076	6.22781	106.149	-0.013438
7.62555	99.1303	115.317	983.758	1532.18	-0.004076	6.23082	106.445	-0.011875
7.62655	99.9526	114.768	983.987	1532.32	0.016304	6.23219	106.1	-0.011875
7.62755	99.5414	115.317	983.872	1532.32	-0.004076	6.23406	106.347	-0.010938
7.62855	99.2673	115.317	983.073	1531.5	-0.004076	6.22969	106.248	-0.012188
7.62955	99.4044	115.317	983.53	1531.63	0.028532	6.22406	106.347	-0.011875
7.63055	99.2673	115.317	984.215	1531.77	-0.004076	6.19969	106.149	-0.0125
7.63155	99.4044	115.317	983.073	1533.13	-0.004076	6.17594	106.149	-0.011563
7.63255	99.4044	115.179	983.63	1531.77	-0.004076	6.15781	106.149	-0.012188
7.63355	99.4044	115.317	983.758	1531.77	-0.004076	6.19969	106.248	-0.010313
7.63455	99.1303	115.317	983.987	1531.5	-0.012228	6.23969	106.149	-0.010313
7.63555	99.4044	115.317	983.644	1531.77	-0.004076	6.22969	106.149	-0.01125
7.63655	99.5414	115.317	983.987	1531.5	-0.004076	6.23281	106.791	-0.010913
7.63755	99.4044	115.591	983.758	1532.18	-0.004076	6.23125	106.051	-0.011563
7.63855	99.2673	115.591	983.416	1531.22	-0.004076	6.23344	106.149	-0.012188
7.63955	99.2673	115.317	983.758	1531.77	0.024456	6.22969	106.149	-0.011563
7.64055	99.1303	115.179	983.987	1532.04	0.044837	6.22906	106.149	-0.011875
7.64155	99.9526	114.768	983.644	1532.32	-0.004076	6.22656	106.149	-0.011563
7.64255	99.2673	115.317	983.644	1531.77	-0.008152	6.22563	105.952	-0.012813
7.64355	99.6785	114.768	983.073	1531.77	-0.004076	6.22781	106.149	-0.011563

7.84455	99.4044	115.179	984.558	1532.18	-0.004078	6.22656	105.952	-0.00875
7.84555	99.6785	115.317	982.818	1530.54	-0.012228	6.22719	105.755	-0.013438
7.84655	99.6785	114.905	983.073	1531.09	-0.004078	6.22844	105.952	-0.012188
7.84755	99.2873	115.317	983.53	1531.5	-0.004078	6.22594	106.445	-0.011563
7.84855	98.8582	115.317	984.329	1531.36	-0.004078	6.22781	106.051	-0.012188
7.84955	99.4044	115.317	983.53	1531.5	-0.004078	6.22969	106.199	-0.010838
7.85055	99.4044	115.317	983.987	1531.77	-0.004078	6.22813	106.1	-0.010313
7.85155	99.5414	115.317	983.644	1531.5	-0.004078	6.20406	105.755	-0.010313
7.85255	99.2873	115.317	983.53	1530.13	-0.004078	6.17625	106.051	-0.011563
7.85355	99.4044	115.454	983.987	1530.95	-0.016304	6.15625	105.862	-0.012188
7.85455	99.4044	115.179	983.872	1531.77	-0.008152	6.19594	105.962	-0.011563
7.85555	99.1303	115.591	983.53	1531.22	-0.004078	6.23969	106.051	-0.010313
7.85655	99.5414	115.317	983.758	1530.64	-0.008152	6.22594	105.459	-0.013438
7.85755	99.4044	115.317	983.073	1530.88	-0.004078	6.22469	105.952	-0.011563
7.85855	99.5414	115.866	983.416	1531.5	-0.004078	6.22844	106.051	-0.013438
7.85955	99.4044	115.317	983.644	1531.5	0.02038	6.22937	105.853	-0.010313
7.86055	99.9526	115.042	983.073	1531.22	-0.004078	6.23187	105.952	-0.010938
7.86155	99.4044	116.317	983.872	1531.5	-0.004078	6.22719	105.853	-0.011875
7.86255	99.4044	116.317	983.987	1531.77	0.052989	6.22469	106.001	-0.012813
7.86355	99.4044	115.317	983.073	1531.63	-0.004078	6.22469	106.051	-0.010825
7.86455	99.4044	115.042	983.987	1531.38	-0.004078	6.22656	105.853	-0.011875
7.86555	99.2873	115.591	983.301	1531.09	-0.008152	6.22594	105.755	-0.010938
7.86655	99.4044	115.317	983.53	1531.5	-0.02038	6.22781	105.853	-0.010938
7.86755	99.6785	115.729	982.818	1529.45	-0.044837	6.22084	105.281	-0.013438
7.86855	99.4044	115.317	983.073	1531.22	0.02038	6.22656	105.853	-0.011875
7.86955	99.2873	115.591	983.758	1532.18	-0.004078	6.22856	106.149	-0.012188
7.87055	99.4044	115.179	983.416	1531.22	-0.004078	6.22594	105.705	-0.0125
7.87155	99.4044	115.317	983.187	1530.81	-0.004078	6.22856	105.557	-0.0125
7.87255	98.9933	115.317	983.416	1530.81	-0.004078	6.19594	105.755	-0.011563
7.87355	99.4044	115.179	983.301	1530.27	0.028532	6.17344	105.705	-0.011563
7.87455	99.4044	115.179	984.101	1531.22	-0.004078	6.15594	105.755	-0.012188
7.87555	99.4044	115.866	983.758	1530.95	-0.004078	6.19856	106.863	-0.01125
7.87655	99.2873	115.042	983.644	1532.32	0.024456	6.24156	105.803	-0.010938
7.87755	99.2873	115.042	983.53	1530.13	-0.004078	6.22344	106.853	-0.012188
7.87855	99.4044	115.317	983.758	1530.4	-0.028532	6.22531	105.557	-0.011875
7.87955	99.5414	115.866	983.53	1531.09	0.02038	6.22844	105.755	-0.011563
7.88055	99.2873	115.317	983.987	1530.4	-0.004078	6.22594	106.051	-0.012188
7.88155	99.2873	115.591	984.216	1531.09	0.024456	6.22781	105.705	-0.012813
7.88255	99.4044	115.866	983.073	1530.88	-0.004078	6.22563	105.755	-0.011563
7.88355	99.6785	115.317	983.073	1531.22	-0.004078	6.22344	105.807	-0.010938
7.88455	99.4044	115.591	983.416	1530.95	0.02038	6.22469	105.856	-0.01125
7.88555	99.2873	115.042	983.987	1531.5	0.038686	6.22469	105.705	-0.010938
7.88655	99.2873	115.317	983.758	1531.5	-0.004078	6.22344	105.856	-0.012188
7.88755	99.2873	115.866	983.073	1530.88	-0.004078	6.22125	105.853	-0.01125
7.88855	99.1303	115.454	983.53	1530.88	-0.004078	6.22344	105.856	-0.012813
7.88955	99.2873	114.905	983.53	1529.31	-0.024456	6.22219	106.311	-0.013438
7.89055	99.4044	115.317	982.844	1530.95	-0.004078	6.22219	105.952	-0.012813
7.89155	99.4044	115.317	983.644	1530.88	-0.004078	6.22687	106.001	-0.011875
7.89255	99.8155	115.317	983.301	1530.95	-0.004078	6.21969	105.853	-0.012813
7.89355	99.2873	115.591	983.987	1530.13	-0.004078	6.19594	105.755	-0.012188
7.89455	99.1303	115.317	983.872	1530.88	-0.004078	6.17156	106.149	-0.012188
7.89555	99.5414	115.317	983.987	1530.88	0.038686	6.16344	105.903	-0.011563

7.69655	98.9933	115.317	983.758	1530.95	-0.004076	8.19344	105.755	-0.011583
7.69755	99.5414	115.317	983.758	1530.81	-0.004076	8.23531	105.952	-0.012188
7.69855	99.4044	115.317	983.987	1531.22	-0.004076	8.22344	105.853	-0.012188
7.69955	99.4044	115.317	983.987	1530.13	-0.004076	8.22844	105.803	-0.008375
7.70055	99.1303	115.591	982.73	1529.31	-0.036685	8.22219	105.261	-0.014063
7.70155	99.2673	115.729	982.388	1530.4	-0.004076	8.22489	105.755	-0.012813
7.70255	99.9528	114.905	983.416	1530.4	0.028532	8.22584	106.148	-0.010938
7.70355	99.2673	115.317	983.416	1530.4	-0.004076	8.22281	105.755	-0.011875
7.70455	98.9933	115.317	983.758	1530.27	-0.004076	8.22489	105.803	-0.013438
7.70555	99.1303	115.317	983.987	1530.4	-0.004076	8.22082	105.755	-0.011875
7.70655	99.6785	115.729	982.959	1530.27	-0.004076	8.22218	105.804	-0.012188
7.70755	98.8582	115.317	983.644	1530.54	0.024456	8.22158	105.853	-0.011583
7.70855	99.4044	115.317	983.53	1531.36	-0.004076	8.21844	105.755	-0.012813
7.70955	99.4044	115.317	983.53	1530.68	-0.004076	8.22158	105.853	-0.011583
7.71055	99.2673	115.317	983.758	1530.54	-0.012228	8.22158	105.952	-0.011875
7.71155	99.8155	115.317	984.215	1530.4	-0.004076	8.2225	105.858	-0.010313
7.71255	99.4044	115.317	983.301	1529.58	-0.004076	8.22489	105.705	-0.012813
7.71355	99.2673	115.317	983.416	1530.13	-0.004076	8.21989	106.347	-0.010938
7.71455	99.4044	115.179	983.301	1530.95	-0.004076	8.19719	105.705	-0.013438
7.71555	99.5414	115.729	983.758	1530.88	-0.004076	8.17584	105.804	-0.012813
7.71655	98.9933	115.317	983.301	1530.54	0.02038	8.15406	105.755	-0.01125
7.71755	99.4044	115.317	983.987	1530.4	-0.004076	8.18489	106.051	-0.010313
7.71855	99.1303	115.317	983.987	1529.58	-0.004076	8.23908	106.1	-0.010938
7.71955	99.4044	115.317	983.53	1530.27	-0.004076	8.22219	105.705	-0.0125
7.72055	99.1303	115.317	983.301	1531.63	-0.004076	8.22908	105.755	-0.011875
7.72155	99.2673	115.179	983.758	1530.13	-0.008152	8.22719	106.853	-0.012813
7.72255	99.2673	115.317	983.073	1529.58	-0.036685	8.22584	105.557	-0.013438
7.72355	99.4044	115.317	983.53	1530.27	-0.004076	8.22489	105.853	-0.013438
7.72455	99.2673	115.729	983.073	1529.99	-0.008152	8.22344	106.347	-0.01125
7.72555	99.2673	115.317	983.644	1530.54	-0.004076	8.22531	105.856	-0.011583
7.72655	99.2673	115.317	983.301	1530.4	-0.004076	8.22344	105.903	-0.010313
7.72755	99.4044	115.179	983.53	1530.54	0.02038	8.22281	105.853	-0.012813
7.72855	99.6785	114.768	983.758	1530.4	-0.004076	8.22187	105.755	-0.01125
7.72955	98.9933	115.317	983.301	1529.58	-0.004076	8.22094	105.755	-0.012813
7.73055	98.8582	115.317	983.758	1529.58	-0.004076	8.22094	105.952	-0.010938
7.73155	99.2673	115.317	982.73	1530.54	-0.018304	8.21969	105.853	-0.012813
7.73255	99.1303	115.317	983.53	1529.58	-0.004076	8.22583	105.856	-0.010938
7.73355	99.1303	115.179	984.443	1530.13	-0.008152	8.22408	105.804	-0.007813
7.73455	99.2673	115.179	982.844	1529.99	-0.008152	8.22158	105.755	-0.012188
7.73555	99.2673	115.591	983.416	1530.4	-0.004076	8.20344	106.001	-0.010938
7.73655	99.5414	115.317	983.644	1530.64	-0.004076	8.17687	105.755	-0.010313
7.73755	99.4044	115.317	983.53	1530.68	-0.004076	8.15594	105.755	-0.010938
7.73855	99.4044	115.591	983.758	1530.13	0.024456	8.18437	105.755	-0.011875
7.73955	99.4044	115.317	983.872	1530.95	-0.004076	8.23844	105.705	-0.012813
7.74055	99.8155	115.317	983.758	1530.4	-0.004076	8.22312	105.755	-0.011875
7.74155	99.5414	115.591	983.758	1530.4	-0.004076	8.22844	105.755	-0.011875
7.74255	99.5414	115.317	983.644	1531.83	-0.012228	8.22719	105.755	-0.010313
7.74355	99.6785	115.317	983.301	1529.58	-0.004076	8.22584	105.656	-0.010938
7.74455	99.5414	115.179	984.558	1530.54	-0.004076	8.22489	105.705	-0.009688
7.74555	99.5414	115.591	982.73	1529.58	-0.008152	8.22489	105.557	-0.014063
7.74655	99.4044	115.179	983.53	1530.4	-0.004076	8.22344	106.051	-0.012188
7.74755	99.4044	115.729	984.215	1530.13	0.028532	8.22344	105.856	-0.013125

7.74858	99.4044	115.317	983.073	1529.58	-0.004076	8.22281	105.856	-0.010938
7.74958	99.8785	115.317	983.073	1529.58	-0.004076	8.22219	105.755	-0.010313
7.75058	99.2673	115.317	983.53	1530.13	0.024458	8.22219	105.656	-0.010313
7.75158	99.4044	115.729	983.073	1529.99	-0.004076	8.22094	105.557	-0.010938
7.75258	99.1303	115.317	983.53	1529.99	-0.004076	8.22158	105.656	-0.008375
7.75358	99.8785	115.591	983.758	1530.88	-0.004076	8.22344	105.508	-0.01125
7.75458	99.1303	115.591	984.215	1529.58	-0.004076	8.22158	105.557	-0.013125
7.75558	99.4044	115.317	983.887	1530.13	-0.012228	8.22281	105.459	-0.008438
7.75658	99.5414	115.886	982.959	1529.58	-0.004076	8.20094	105.459	-0.012813
7.75758	99.4044	115.317	983.758	1529.58	-0.004076	8.17408	106.051	-0.010625
7.75858	99.1303	115.317	983.53	1530.13	-0.004076	8.15856	105.656	-0.010938
7.75958	99.1303	115.179	983.844	1529.58	-0.004076	8.17858	105.557	-0.011563
7.76058	99.4044	115.179	983.758	1529.58	-0.012228	8.23719	105.38	-0.011563
7.76158	99.8785	114.788	983.416	1529.58	-0.004076	8.22158	105.755	-0.012188
7.76258	99.4044	115.317	983.53	1529.99	0.024458	8.22594	105.38	-0.011875
7.76358	99.4044	115.317	983.758	1530.13	-0.012228	8.22583	105.807	-0.013125
7.76458	99.4044	115.454	983.53	1530.88	-0.004076	8.21969	105.557	-0.011663
7.76558	99.4044	115.317	983.53	1529.17	-0.004076	8.22281	105.38	-0.011875
7.76658	99.4044	115.317	983.887	1529.31	-0.004076	8.22344	105.311	-0.008438
7.76758	99.4044	115.317	983.073	1529.58	0.028532	8.21908	105.311	-0.011563
7.76858	99.4044	115.317	983.073	1529.58	-0.008152	8.21969	105.804	-0.011563
7.76958	99.4044	115.317	983.758	1529.31	-0.004076	8.21844	105.508	-0.011875
7.77058	99.4044	115.591	983.073	1530.13	-0.004076	8.22094	105.38	-0.011875
7.77158	99.2873	115.317	983.53	1529.58	-0.004076	8.21844	105.508	-0.011563
7.77258	99.4044	115.317	983.53	1530.4	0.028532	8.21888	105.261	-0.012813
7.77358	99.4044	115.179	983.073	1529.58	-0.004076	8.21937	105.182	-0.012188
7.77458	99.1303	115.729	983.073	1529.58	-0.004076	8.21719	105.705	-0.010313
7.77558	99.4044	115.729	983.53	1530.54	-0.004076	8.21969	105.38	-0.01125
7.77658	99.5414	115.729	982.844	1528.78	-0.004076	8.21844	105.557	-0.012188
7.77758	99.5414	115.591	983.872	1529.58	-0.004076	8.19856	105.113	-0.009063
7.77858	99.2873	115.317	982.844	1528.9	-0.004076	8.17312	105.508	-0.011563
7.77958	99.8785	115.729	983.073	1529.58	-0.004076	8.15219	105.804	-0.011875
7.78058	99.4044	115.179	983.53	1529.17	-0.004076	8.18219	105.261	-0.014063
7.78158	99.8785	115.454	983.301	1530.4	-0.004076	8.23489	105.084	-0.012188
7.78258	99.2873	115.317	983.887	1529.04	-0.004076	8.21969	105.212	-0.011563
7.78358	99.1303	115.317	983.53	1529.45	-0.004076	8.22531	105.311	-0.012188
7.78458	99.4044	115.042	983.758	1529.58	0.057085	8.22376	105.212	-0.011663
7.78558	99.8785	115.317	983.301	1529.31	-0.008152	8.22531	105.212	-0.010625
7.78658	99.8526	114.905	983.416	1530.13	-0.004076	8.22489	105.212	-0.012188
7.78758	99.4044	115.454	982.844	1529.17	-0.004076	8.21969	105.311	-0.011875
7.78858	99.8785	115.866	983.872	1529.58	-0.004076	8.22219	105.182	-0.010313
7.78958	99.4044	115.179	983.301	1529.04	-0.004076	8.21812	104.965	-0.013125
7.79058	99.4044	115.317	983.073	1529.31	-0.004076	8.21812	105.459	-0.012188
7.79158	99.4044	115.042	982.959	1529.31	-0.004076	8.22158	105.311	-0.011563
7.79258	99.4044	115.317	983.53	1528.9	-0.004076	8.21937	104.817	-0.012813
7.79358	99.4044	115.317	983.416	1529.31	0.02038	8.22168	105.182	-0.012188
7.79458	99.2873	115.317	983.53	1529.31	-0.004076	8.21908	105.182	-0.011875
7.79558	99.8785	116.003	983.073	1529.45	0.036885	8.21908	105.113	-0.012813
7.79658	99.1303	115.179	983.416	1529.58	-0.004076	8.21937	105.281	-0.012188
7.79758	99.4044	115.317	983.53	1530.4	-0.004076	8.21875	105.311	-0.012188
7.79858	98.8582	115.317	983.073	1528.78	-0.004076	8.20158	105.311	-0.013438
7.79958	99.4044	115.042	983.53	1529.17	-0.004076	8.17781	105.212	-0.010313

7.80058	99.1303	115.728	983.301	1528.22	-0.004076	6.15858	105.084	-0.011583
7.80158	99.4044	115.317	983.301	1528.9	-0.004076	6.15844	105.36	-0.010938
7.80258	99.4044	115.317	983.758	1529.58	-0.004076	6.23344	105.212	-0.011583
7.80358	98.8562	115.317	983.416	1529.17	-0.004076	6.21969	105.36	-0.012188
7.80458	98.8562	115.317	983.872	1529.31	-0.004076	6.22906	105.261	-0.01125
7.80558	99.4044	115.317	983.53	1528.49	-0.004076	6.22187	104.985	-0.012188
7.80658	99.4044	115.888	983.073	1529.17	0.024458	6.22531	105.281	-0.011583
7.80758	99.4044	115.179	983.53	1529.31	-0.004076	6.22125	105.014	-0.012813
7.80858	99.4044	115.317	983.53	1530.4	-0.004076	6.21969	105.014	-0.012813
7.80958	99.2873	115.317	983.073	1528.49	-0.004076	6.21937	105.084	-0.011583
7.81058	99.5414	115.042	983.416	1528.49	-0.004076	6.21719	105.162	-0.010313
7.81158	99.2873	115.317	983.416	1528.49	-0.004076	6.21719	105.281	-0.011583
7.81258	99.4044	115.317	983.073	1529.31	-0.004076	6.21969	105.212	-0.012188
7.81358	99.4044	115.591	983.53	1529.04	-0.004076	6.21844	105.261	-0.011583
7.81458	99.4044	115.317	983.416	1529.04	0.028532	6.22084	105.212	-0.011583
7.81558	99.4044	115.317	982.844	1529.31	-0.012228	6.21658	105.113	-0.01125
7.81658	99.2873	115.591	983.758	1529.04	-0.004076	6.21658	105.084	-0.010938
7.81758	99.2873	115.591	983.416	1528.83	0.038885	6.21844	105.162	-0.009688
7.81858	99.4044	115.317	983.53	1529.04	-0.004076	6.21812	105.014	-0.010838
7.81958	99.4044	115.179	983.53	1529.04	-0.004076	6.20658	105.162	-0.010838
7.82058	99.8785	114.788	983.073	1528.49	-0.004076	6.17844	105.162	-0.010838
7.82158	99.4044	115.317	984.215	1528.76	0.018304	6.15438	104.985	-0.009063
7.82258	99.1303	115.317	983.073	1528.35	-0.004076	6.15562	104.985	-0.010625
7.82358	99.8785	115.454	983.53	1528.76	-0.004076	6.23166	104.817	-0.014688
7.82458	99.5414	114.788	983.758	1528.49	-0.004076	6.22187	105.311	-0.011583
7.82558	99.2873	115.179	983.53	1529.04	-0.004076	6.22469	105.162	-0.012188
7.82658	99.4044	115.317	983.073	1528.76	0.02038	6.22469	105.162	-0.011583
7.82758	99.2873	115.317	983.53	1527.94	-0.004076	6.22344	104.985	-0.012188
7.82858	99.1303	115.454	983.758	1528.49	0.024458	6.22281	105.113	-0.010313
7.82958	98.7192	115.317	983.53	1528.49	-0.004076	6.22219	105.084	-0.0125
7.83058	99.8785	115.591	983.301	1530.88	-0.008152	6.21781	105.113	-0.01125
7.83158	99.2873	115.317	983.416	1528.35	-0.018304	6.21584	105.014	-0.011875
7.83258	99.2873	115.317	983.073	1527.67	-0.004076	6.21844	104.888	-0.010313
7.83358	99.8785	114.788	983.301	1527.94	-0.004076	6.21781	104.768	-0.010938
7.83458	99.5414	114.905	982.844	1528.35	-0.012228	6.21719	105.084	-0.012188
7.83558	99.8785	115.591	983.301	1528.49	-0.004076	6.21989	105.084	-0.011583
7.83658	99.5414	115.317	983.073	1529.04	-0.012228	6.21844	105.162	-0.010313
7.83758	99.2873	115.317	983.53	1528.49	-0.004076	6.21906	105.261	-0.010313
7.83858	99.4044	115.317	982.958	1528.8	-0.004076	6.21781	104.985	-0.010625
7.83958	99.5414	115.317	983.073	1528.76	0.044837	6.21812	105.281	-0.010938
7.84058	99.4044	115.591	983.073	1528.49	-0.028532	6.20887	104.916	-0.0125
7.84158	99.5414	115.591	983.53	1529.04	0.024458	6.17781	105.162	-0.011583
7.84258	99.5414	115.317	983.073	1528.08	-0.008152	6.15989	104.888	-0.012813
7.84358	99.4044	115.179	984.101	1528.22	-0.018304	6.15984	104.985	-0.009063
7.84458	99.2873	115.317	983.073	1527.4	-0.004076	6.22344	104.916	-0.012813
7.84558	99.2873	115.317	982.844	1527.67	-0.004076	6.22219	105.084	-0.011875
7.84658	99.2873	115.179	983.416	1527.94	0.02038	6.22158	105.36	-0.010938
7.84758	99.1303	115.591	983.644	1528.22	-0.004076	6.22219	104.768	-0.011875
7.84858	99.5414	115.179	983.53	1528.9	-0.008152	6.22584	104.888	-0.011583
7.84958	99.8785	115.317	983.872	1528.35	-0.004076	6.21969	104.985	-0.012188
7.85058	99.2873	115.179	984.215	1528.22	0.044837	6.22219	104.817	-0.012188
7.85158	99.8562	115.317	983.416	1528.22	-0.004076	6.21906	104.768	-0.010625

7.85257	99.4044	115.729	983.073	1529.04	-0.004076	6.21781	104.868	-0.010938
7.85357	99.2873	115.317	983.073	1527.94	-0.004076	6.21844	105.064	-0.011875
7.85457	99.1303	115.317	983.301	1527.87	-0.004076	6.21719	104.866	-0.011875
7.85557	99.2873	115.454	983.073	1528.22	-0.004076	6.21594	104.82	-0.011875
7.85657	99.4044	115.179	982.616	1528.49	-0.004076	6.21656	104.868	-0.011563
7.85757	99.4044	115.179	983.53	1527.94	0.02038	6.21856	104.916	-0.011563
7.85857	99.2873	115.317	982.844	1527.87	-0.012228	6.21719	104.866	-0.0125
7.85957	99.2873	115.317	983.073	1527.94	-0.004076	6.21937	104.817	-0.011563
7.86057	99.9528	115.317	982.616	1527.4	-0.004076	6.21844	104.866	-0.012188
7.86157	99.4044	115.179	983.073	1528.22	0.028532	6.20408	104.965	-0.011875
7.86257	99.8155	114.905	983.301	1527.81	-0.004076	6.17719	104.718	-0.0125
7.86357	99.4044	115.179	983.301	1528.49	-0.004076	6.15781	104.788	-0.011563
7.86457	99.6785	115.317	983.416	1527.4	-0.004076	6.14656	104.817	-0.011875
7.86557	99.1303	115.317	984.558	1527.81	-0.004076	6.22312	104.788	-0.010625
7.86657	99.4044	115.317	982.159	1526.68	-0.040781	6.22084	104.521	-0.01375
7.86757	99.9528	115.179	982.959	1527.87	-0.008152	6.22156	104.788	-0.011563
7.86857	99.4044	115.179	983.416	1528.08	-0.004076	6.22489	104.985	-0.011563
7.86957	99.5414	115.317	983.073	1527.87	-0.004076	6.22187	104.788	-0.010313
7.87057	99.4044	115.317	983.416	1527.94	-0.004076	6.22408	106.014	-0.011563
7.87157	99.4044	115.591	983.53	1528.35	0.024456	6.21908	104.868	-0.010625
7.87257	99.4044	115.317	983.53	1527.4	0.052889	6.21908	104.718	-0.012813
7.87357	99.4044	115.591	983.073	1528.49	-0.004076	6.21781	104.718	-0.012188
7.87457	99.6785	115.317	983.53	1527.94	-0.004076	6.21562	104.788	-0.0125
7.87557	99.5414	115.042	983.416	1528.78	-0.004076	6.21969	104.866	-0.012188
7.87657	99.6785	115.591	983.073	1527.94	-0.004076	6.21969	104.82	-0.011563
7.87757	99.4044	115.179	983.301	1526.44	-0.028532	6.21406	104.788	-0.013438
7.87857	99.8155	114.768	982.73	1527.4	-0.004076	6.21719	105.182	-0.011563
7.87957	99.8155	114.768	983.073	1527.87	-0.004076	6.21844	105.014	-0.012188
7.88057	99.4044	115.317	983.844	1528.49	-0.016304	6.21875	104.817	-0.011875
7.88157	99.2873	115.179	983.872	1528.08	0.028532	6.22281	104.718	-0.011563
7.88257	99.4044	115.317	983.53	1527.94	-0.004076	6.20719	104.788	-0.012813
7.88357	99.4044	115.317	982.959	1527.87	0.02038	6.18281	105.064	-0.012188
7.88457	99.5414	115.317	982.616	1527.4	-0.02038	6.15937	104.689	-0.010938
7.88557	99.2873	115.729	983.416	1529.45	-0.004076	6.14937	104.889	-0.010938
7.88657	99.8155	115.317	983.416	1527.94	-0.008152	6.21438	104.916	-0.012813
7.88757	99.4044	115.317	983.073	1527.87	-0.004076	6.22656	104.868	-0.012188
7.88857	99.4044	115.317	982.616	1528.72	-0.004076	6.21875	104.373	-0.013438
7.88957	99.4044	115.317	982.844	1527.4	-0.004076	6.22469	104.868	-0.0125
7.89057	99.4044	115.591	983.301	1527.81	-0.004076	6.22219	105.311	-0.013438
7.89157	99.4044	115.317	983.073	1528.22	0.032809	6.22219	104.788	-0.012188
7.89257	99.4044	115.317	983.073	1527.94	0.02038	6.21969	104.868	-0.012188
7.89357	99.4044	115.317	983.073	1527.94	-0.004076	6.21969	104.866	-0.010938
7.89457	99.5414	115.317	983.758	1528.22	0.057085	6.21969	104.718	-0.011875
7.89557	99.2873	115.591	983.416	1527.13	-0.004076	6.21781	104.868	-0.010625
7.89657	99.4044	115.317	982.959	1528.85	-0.008152	6.22156	104.916	-0.012813
7.89757	99.4044	115.317	983.758	1528.78	-0.004076	6.21908	104.868	-0.011875
7.89857	99.6785	115.317	983.073	1527.87	-0.004076	6.21625	104.788	-0.012813
7.89957	99.8582	115.317	982.159	1528.17	-0.02038	6.21656	104.324	-0.012813
7.90057	99.6785	115.317	983.073	1527.4	-0.004076	6.22156	104.373	-0.012188
7.90157	99.5414	115.317	983.53	1527.87	0.02038	6.22156	104.965	-0.011563
7.90257	99.8155	115.317	983.073	1527.87	-0.004076	6.22281	104.521	-0.010938
7.90357	99.2873	115.179	983.073	1527.87	-0.004076	6.21844	104.718	-0.011563

7.90457	99.1303	115.179	983.758	1527.94	0.024456	6.18906	104.521	-0.012813
7.90557	98.8562	115.317	983.073	1527.94	0.024456	6.18489	104.521	-0.0125
7.90657	99.2673	115.317	983.073	1527.4	-0.004076	6.14887	104.718	-0.010838
7.90757	99.4044	115.317	983.301	1527.67	-0.004076	6.21062	104.866	-0.010313
7.90857	99.4044	115.317	983.073	1527.13	-0.004076	6.22781	104.869	-0.012813
7.90957	99.4044	115.179	983.073	1528.85	-0.004076	6.22344	104.57	-0.011563
7.91057	99.1303	115.317	982.959	1528.17	-0.052989	6.22344	104.274	-0.011875
7.91157	99.4044	115.042	982.959	1528.99	-0.004076	6.22406	104.62	-0.013438
7.91257	99.1303	115.591	983.872	1527.13	-0.004076	6.22312	104.816	-0.011563
7.91357	99.9526	114.63	982.844	1527.13	-0.004076	6.22219	104.621	-0.011875
7.91457	99.4044	115.729	982.816	1527.13	-0.004076	6.22406	104.57	-0.011563
7.91557	99.6785	114.768	983.073	1527.4	-0.004076	6.21875	104.869	-0.010313
7.91657	99.8155	114.905	983.073	1527.4	-0.004076	6.22062	104.62	-0.010313
7.91757	99.4044	115.317	983.073	1527.4	-0.004076	6.22084	104.57	-0.012813
7.91857	99.5414	115.317	983.301	1527.4	-0.004076	6.22084	104.62	-0.010313
7.91957	99.9526	114.768	982.844	1528.49	-0.004076	6.21869	104.57	-0.011563
7.92057	99.2673	115.729	982.502	1526.72	-0.004076	6.21812	104.869	-0.010838
7.92157	99.5414	115.317	982.159	1528.03	-0.081141	6.21858	104.176	-0.014375
7.92257	99.8785	115.729	982.388	1527.4	-0.004076	6.22156	104.718	-0.012188
7.92357	99.5414	115.317	982.844	1527.4	-0.004076	6.21906	104.866	-0.011563
7.92457	99.4044	115.591	983.073	1528.86	-0.004076	6.21531	104.324	-0.012188
7.92557	99.4044	115.317	982.844	1527.4	0.02038	6.19168	104.869	-0.012813
7.92657	99.5414	115.317	982.959	1527.4	-0.004076	6.16781	104.422	-0.010838
7.92757	99.4044	115.179	983.416	1527.4	0.048913	6.15094	104.57	-0.010313
7.92857	99.1303	115.317	983.073	1528.86	-0.004076	6.21406	104.718	-0.010838
7.92957	99.5414	115.317	983.073	1527.26	-0.004076	6.22969	104.621	-0.011563
7.93057	99.9526	115.317	982.959	1527.4	-0.012228	6.22469	104.472	-0.0125
7.93157	99.8785	115.179	983.073	1526.17	-0.012228	6.22719	104.769	-0.013438
7.93257	99.8155	115.317	983.073	1528.44	-0.02038	6.22625	104.472	-0.010313
7.93357	99.4044	115.317	982.159	1528.17	-0.012228	6.22531	104.324	-0.011875
7.93457	98.8562	115.317	982.844	1527.26	0.02038	6.22563	104.422	-0.01125
7.93557	99.5414	115.591	982.816	1526.68	-0.004076	6.22219	104.176	-0.011563
7.93657	98.8562	115.179	982.844	1526.85	-0.004076	6.22469	104.176	-0.010838
7.93757	99.4044	115.317	983.301	1527.4	-0.004076	6.22344	104.472	-0.011563
7.93857	99.4044	115.042	983.073	1527.4	-0.004076	6.22312	104.472	-0.012813
7.93957	99.4044	115.179	982.959	1527.13	0.028532	6.22084	104.57	-0.012813
7.94057	99.1303	115.317	982.844	1527.4	-0.004076	6.22084	104.176	-0.012813
7.94157	99.8785	115.866	982.844	1528.22	-0.004076	6.21906	104.373	-0.011875
7.94257	99.1303	115.317	983.53	1526.03	-0.004076	6.22156	104.472	-0.011563
7.94357	99.4044	115.317	983.758	1526.17	-0.012228	6.21869	104.176	-0.01125
7.94457	99.4044	115.591	982.73	1528.17	-0.004076	6.22219	104.472	-0.012188
7.94557	99.4044	115.317	983.758	1526.31	-0.004076	6.20969	104.768	-0.012188
7.94657	99.4044	115.317	983.301	1526.99	-0.004076	6.18281	104.274	-0.010625
7.94757	98.8562	115.317	983.073	1526.85	-0.004076	6.16437	104.472	-0.012188
7.94857	99.8785	115.317	983.073	1526.68	-0.004076	6.14969	104.077	-0.012813
7.94957	99.4044	115.317	983.073	1528.99	0.048913	6.22156	104.57	-0.01125
7.95057	99.5414	115.317	982.959	1526.31	-0.004076	6.22906	104.57	-0.010625
7.95157	98.8562	115.317	983.073	1527.13	-0.004076	6.22781	104.126	-0.010838
7.95257	99.4044	115.317	983.53	1527.26	-0.004076	6.22875	104.472	-0.010838
7.95357	99.9526	115.317	983.073	1528.31	-0.004076	6.22625	104.472	-0.010838
7.95457	99.5414	115.866	983.758	1526.85	-0.004076	6.22844	104.324	-0.009063
7.95557	99.4044	115.042	982.844	1526.17	-0.004076	6.22781	104.324	-0.012813

7.95857	99.4044	115.317	983.073	1525.76	-0.004078	6.22344	104.768	-0.012813
7.95757	99.4044	115.317	983.301	1526.58	0.028532	6.22375	104.176	-0.012813
7.95857	99.5414	115.317	983.53	1526.58	-0.004078	6.22406	104.324	-0.010938
7.95957	98.7192	115.317	983.53	1526.58	-0.004078	6.22469	104.373	-0.012813
7.96057	99.4044	115.179	982.844	1526.72	-0.012228	6.22156	104.324	-0.010313
7.96157	98.9933	115.317	983.53	1526.17	0.028532	6.22344	104.373	-0.011583
7.96257	99.6785	115.317	983.073	1526.31	-0.004078	6.22469	104.373	-0.012813
7.96357	99.1303	115.317	983.53	1526.85	-0.004078	6.22187	104.225	-0.011875
7.96457	99.4044	115.317	982.844	1525.21	-0.02038	6.21969	104.422	-0.01125
7.96557	99.8155	115.317	984.443	1526.31	-0.004078	6.22406	104.472	-0.010313
7.96657	99.4044	115.317	983.073	1526.31	-0.004078	6.20844	104.324	-0.012813
7.96757	99.5414	115.317	983.073	1526.31	-0.004078	6.18219	104.57	-0.010313
7.96857	99.2673	115.317	982.844	1526.03	-0.004078	6.15969	104.422	-0.01125
7.96957	99.8155	115.888	983.073	1527.13	0.028532	6.15562	104.176	-0.011583
7.97057	99.5414	115.317	983.416	1526.31	0.032609	6.23094	104.324	-0.011583
7.97157	99.4044	115.317	983.53	1526.31	0.032609	6.22719	104.225	-0.011875
7.97257	99.4044	115.317	983.073	1526.31	-0.004078	6.22781	104.077	-0.012813
7.97357	99.6785	114.788	983.073	1526.31	-0.012228	6.22563	104.472	-0.011583
7.97457	99.4044	115.888	982.816	1527.4	-0.004078	6.22719	104.077	-0.011583
7.97557	99.6785	115.042	983.073	1526.03	-0.004078	6.22875	104.422	-0.011583
7.97657	99.4044	115.179	983.987	1526.85	-0.004078	6.22469	104.176	-0.009083
7.97757	99.4044	115.317	982.73	1526.03	-0.004078	6.22406	104.126	-0.013438
7.97857	99.6785	115.317	983.073	1526.03	-0.004078	6.22219	104.669	-0.0125
7.97957	99.4044	115.454	982.73	1526.31	-0.004078	6.22094	104.176	-0.01125
7.98057	99.8155	115.042	982.959	1526.31	-0.004078	6.22583	104.274	-0.012813
7.98157	99.6785	115.317	983.073	1526.85	-0.004078	6.22406	104.225	-0.011583
7.98257	99.6785	115.317	983.073	1526.58	-0.004078	6.22344	104.176	-0.011583
7.98357	99.4044	115.179	983.073	1526.31	0.028532	6.22469	104.324	-0.011583
7.98457	99.4044	115.317	982.959	1525.76	-0.004078	6.22469	104.472	-0.009888
7.98557	99.6785	115.042	983.416	1526.72	-0.004078	6.22719	104.373	-0.010825
7.98658	99.4044	115.317	983.073	1526.76	-0.004078	6.22563	104.274	-0.010838
7.98758	99.4044	115.317	984.215	1526.44	-0.004078	6.21219	104.126	-0.010313
7.98858	99.4044	115.179	982.959	1525.21	-0.012228	6.18219	103.929	-0.012813
7.98958	99.5414	115.317	983.073	1526.17	-0.004078	6.15969	104.373	-0.013438
7.99058	99.4044	115.317	983.416	1525.62	-0.004078	6.16344	104.57	-0.010938
7.99158	99.2673	115.179	983.301	1525.76	-0.004078	6.23937	104.176	-0.012188
7.99258	99.4044	115.317	983.53	1525.62	-0.004078	6.22594	104.225	-0.012188
7.99358	99.2673	115.317	982.959	1526.31	-0.004078	6.22875	104.028	-0.012188
7.99458	99.4044	115.179	983.073	1526.58	0.02038	6.22719	103.929	-0.012188
7.99558	99.4044	115.042	983.53	1526.03	-0.004078	6.23094	104.176	-0.012188
7.99658	99.4044	115.317	983.416	1526.99	0.02038	6.22844	104.472	-0.010825
7.99758	99.4044	115.317	983.073	1526.17	-0.004078	6.22594	104.274	-0.011875
7.99858	99.4044	115.317	983.53	1526.31	-0.004078	6.22469	104.373	-0.009063
7.99958	98.9526	115.729	982.388	1525.21	-0.004078	6.22156	104.324	-0.012813
8.00058	99.5414	115.591	983.073	1526.31	-0.004078	6.22625	104.57	-0.010313
8.00158	99.5414	115.729	982.816	1526.17	-0.004078	6.22375	104.176	-0.010313
8.00258	98.8582	115.317	983.073	1526.31	-0.004078	6.22344	104.176	-0.01125
8.00358	99.5414	115.317	983.073	1526.03	-0.004078	6.22656	104.472	-0.010938
8.00458	99.8155	115.888	982.159	1526.03	-0.004078	6.22094	104.274	-0.012813
8.00558	99.6785	115.317	983.073	1526.03	0.044837	6.22406	104.521	-0.010938
8.00658	99.4044	115.317	983.073	1525.76	-0.012228	6.22406	104.422	-0.012188
8.00758	99.4044	115.591	983.53	1527.28	-0.004078	6.22312	104.274	-0.012188

8.00858	99.4044	115.591	982.388	1525.21	-0.008152	6.20844	104.373	-0.0125
8.00958	99.4044	114.905	983.987	1526.17	-0.004078	6.17937	104.373	-0.010938
8.01058	99.8155	114.768	982.844	1525.21	-0.004078	6.15908	104.472	-0.013438
8.01158	99.4044	115.317	983.758	1526.31	-0.004078	6.17094	104.422	-0.011583
8.01258	99.4044	115.317	983.073	1525.76	-0.004078	6.24219	104.472	-0.012188
8.01358	99.4044	115.317	983.073	1526.17	0.02038	6.23062	104.274	-0.012188
8.01458	99.8785	115.179	983.301	1526.03	-0.004078	6.23084	104.472	-0.011583
8.01558	99.4044	115.317	983.073	1525.49	-0.004078	6.23084	104.373	-0.012188
8.01658	99.4044	115.591	982.844	1526.03	-0.004078	6.22906	104.373	-0.009063
8.01758	99.8785	115.317	983.073	1526.17	-0.004078	6.22906	104.373	-0.010938
8.01858	99.8785	115.317	983.416	1526.72	-0.004078	6.22889	104.521	-0.010313
8.01958	98.8582	115.317	982.616	1525.49	-0.004078	6.22437	104.274	-0.012188
8.02058	99.8785	115.042	984.215	1526.03	-0.004078	6.22344	104.274	-0.008125
8.02158	99.8155	115.317	982.045	1525.35	-0.004078	6.22489	104.324	-0.012188
8.02258	99.8155	116.003	982.73	1525.9	0.02038	6.22489	104.659	-0.012813
8.02358	99.5414	115.317	982.616	1526.78	-0.004078	6.22594	104.472	-0.01125
8.02458	99.8785	115.886	982.616	1525.82	-0.004078	6.22375	104.472	-0.010938
8.02558	99.8785	115.317	983.073	1526.03	-0.004078	6.22808	104.373	-0.011583
8.02658	99.4044	115.317	983.301	1525.49	-0.004078	6.22469	104.422	-0.011583
8.02758	99.4044	115.317	983.073	1525.21	-0.004078	6.22594	104.274	-0.012188
8.02858	99.8155	115.729	982.616	1525.21	-0.004078	6.22219	104.274	-0.012813
8.02958	99.5414	115.591	983.073	1527.4	-0.004078	6.19594	104.274	-0.011583
8.03058	99.4044	115.317	983.073	1525.49	-0.008152	6.17344	104.472	-0.012188
8.03158	99.4044	115.317	982.616	1525.78	-0.012228	6.15469	104.472	-0.009888
8.03258	99.8785	115.317	983.53	1525.49	0.02038	6.18344	104.176	-0.010938
8.03358	99.1303	115.179	982.616	1525.21	-0.004078	6.24469	104.274	-0.011583
8.03458	99.2673	115.179	983.073	1524.94	-0.004078	6.22781	103.978	-0.010938
8.03558	99.8785	115.591	982.273	1526.03	-0.004078	6.23582	104.324	-0.010625
8.03658	99.8785	115.317	983.073	1526.17	-0.004078	6.23312	104.176	-0.010313
8.03758	99.8785	115.042	983.073	1525.21	-0.004078	6.22719	104.373	-0.011583
8.03858	99.8785	115.042	983.073	1525.82	0.044837	6.22989	104.274	-0.014063
8.03958	99.2673	115.179	983.073	1525.21	-0.004078	6.22563	104.324	-0.01125
8.04058	98.8582	115.317	983.073	1526.31	-0.012228	6.22489	104.176	-0.011583
8.04158	99.5414	115.317	983.073	1525.21	-0.008152	6.22687	104.324	-0.010938
8.04258	99.2673	115.591	983.758	1525.08	-0.004078	6.22594	104.373	-0.00875
8.04358	99.2673	115.317	982.616	1525.82	-0.004078	6.22656	104.176	-0.012813
8.04458	99.9528	115.042	983.073	1524.94	-0.004078	6.22437	104.126	-0.010938
8.04558	99.4044	115.317	983.758	1525.21	-0.004078	6.22469	104.472	-0.012188
8.04658	99.8155	115.317	983.301	1525.76	-0.004078	6.22656	104.176	-0.012813
8.04758	99.8785	115.591	983.416	1525.76	0.024458	6.22719	104.373	-0.013125
8.04858	99.8785	115.591	982.844	1525.82	-0.004078	6.22719	104.521	-0.010938
8.04958	99.5414	115.317	983.073	1525.82	0.028532	6.22219	104.274	-0.010625
8.05058	99.8785	115.454	982.959	1526.03	-0.004078	6.19582	104.176	-0.012188
8.05158	99.8785	116.729	983.073	1526.31	-0.004078	6.17582	104.373	-0.010313
8.05258	99.2673	115.317	983.073	1525.21	-0.004078	6.15406	104.274	-0.010313
8.05358	99.8785	115.729	982.959	1526.78	-0.008152	6.18468	104.324	-0.010938
8.05458	99.4044	115.591	983.987	1525.21	0.02038	6.23719	104.225	-0.012813
8.05558	99.8785	115.886	982.616	1525.21	-0.004078	6.22219	104.57	-0.011875
8.05658	99.4044	115.591	982.502	1525.21	-0.004078	6.22969	104.176	-0.011583
8.05758	99.4044	115.317	982.616	1525.08	-0.004078	6.22594	104.126	-0.012813
8.05858	99.4044	115.042	983.073	1526.31	0.036885	6.22906	104.126	-0.011583
8.05958	99.4044	115.042	983.301	1526.03	-0.004078	6.22489	104.077	-0.012188

8.06058	99.5414	115.317	982.959	1525.76	0.057085	6.22156	104.126	-0.011563
8.06158	99.4044	115.042	982.959	1525.21	-0.004076	6.22469	104.176	-0.012813
8.06258	99.9526	115.317	982.959	1526.03	-0.004076	6.22094	104.274	-0.013125
8.06358	99.4044	115.591	982.616	1525.21	-0.004076	6.22344	104.176	-0.011563
8.06458	99.2673	115.317	983.418	1525.21	-0.004076	6.22406	104.126	-0.010313
8.06558	99.4044	115.317	982.616	1524.53	-0.02038	6.22156	104.176	-0.012188
8.06658	99.4044	115.317	982.616	1524.39	-0.004076	6.22281	104.373	-0.010938
8.06758	99.6785	115.042	982.844	1524.94	-0.004076	6.22281	104.324	-0.010625
8.06858	99.4044	115.317	983.073	1525.21	-0.004076	6.22281	103.978	-0.010938
8.06958	99.6785	115.317	982.959	1524.12	-0.012228	6.22437	104.274	-0.010938
8.07058	99.6785	115.317	983.073	1525.76	-0.004076	6.22219	104.176	-0.01125
8.07158	99.8155	115.729	982.273	1525.08	0.038685	6.20219	104.373	-0.012813
8.07258	99.4044	115.317	982.844	1525.21	-0.008152	6.17438	104.077	-0.012813
8.07358	99.6785	115.179	982.844	1526.31	-0.004076	6.15312	103.929	-0.012188
8.07458	99.1303	115.179	982.73	1524.67	-0.02038	6.18082	103.929	-0.011875
8.07558	99.6785	115.317	982.959	1524.67	-0.016304	6.23719	104.077	-0.012813
8.07658	99.9526	115.042	982.388	1524.8	-0.004076	6.22219	104.028	-0.012813
8.07758	99.5414	115.454	982.616	1524.94	-0.004076	6.22719	104.077	-0.012188
8.07858	99.6785	115.317	982.844	1525.21	-0.004076	6.22656	104.274	-0.012188
8.07958	99.5414	115.317	982.616	1524.94	-0.004076	6.22858	104.077	-0.011563
8.08058	99.6785	115.317	983.073	1525.21	-0.008152	6.22656	104.028	-0.01125
8.08158	99.4044	115.866	983.301	1525.21	0.028532	6.22375	103.88	-0.012188
8.08258	99.4044	115.317	982.502	1525.21	0.028532	6.22344	103.731	-0.010938
8.08358	99.4044	115.317	982.844	1524.12	-0.008152	6.21937	103.978	-0.012813
8.08458	99.6785	115.866	982.844	1526.17	-0.004076	6.22344	103.682	-0.010938
8.08558	99.5414	115.317	982.73	1525.21	-0.004076	6.22281	104.126	-0.010625
8.08658	99.4044	115.591	983.53	1525.08	-0.004076	6.22219	104.077	-0.009063
8.08758	99.6785	115.317	982.502	1524.12	-0.028532	6.21844	103.534	-0.014063
8.08858	99.6785	115.317	982.616	1524.94	-0.004076	6.21889	103.781	-0.013438
8.08958	99.8155	115.317	982.959	1525.08	-0.004076	6.21889	104.373	-0.011875
8.09058	98.8582	115.179	982.502	1525.21	-0.008152	6.22187	103.88	-0.011683
8.09158	99.2673	115.317	982.616	1524.39	-0.004076	6.22156	103.88	-0.012813
8.09258	99.8155	114.905	982.844	1525.21	0.016304	6.20187	103.781	-0.011563
8.09358	99.5414	115.317	982.616	1525.21	0.052989	6.17489	103.781	-0.013438
8.09458	99.4044	115.454	983.073	1525.21	-0.004076	6.15594	103.633	-0.011875
8.09558	99.2673	115.729	983.418	1524.12	-0.004076	6.17344	103.781	-0.010938
8.09658	99.1303	115.317	983.073	1525.9	-0.004076	6.23531	103.929	-0.012813
8.09758	99.4044	115.317	983.301	1524.67	-0.004076	6.21989	103.781	-0.010625
8.09858	99.6785	115.317	982.616	1523.57	-0.028532	6.22344	103.485	-0.015313
8.09958	99.2673	115.317	983.073	1523.98	-0.004076	6.22469	103.978	-0.011563
8.10058	99.4044	115.317	982.844	1524.67	-0.004076	6.22625	103.929	-0.012188
8.10158	99.6785	115.591	983.073	1524.67	-0.004076	6.22312	103.83	-0.01125
8.10258	99.4044	115.317	982.502	1524.67	-0.004076	6.22594	104.176	-0.010313
8.10358	99.4044	115.317	983.073	1525.21	-0.004076	6.21989	103.731	-0.011875
8.10458	99.6785	115.042	982.959	1525.21	0.02038	6.21844	103.583	-0.012813
8.10558	99.4044	114.905	982.959	1525.08	-0.004076	6.22125	103.583	-0.010938
8.10658	99.8155	115.317	982.616	1525.49	-0.004076	6.21844	103.485	-0.012188
8.10758	99.6785	115.317	982.844	1525.21	-0.004076	6.21844	103.682	-0.011563
8.10858	99.5414	115.591	983.073	1524.53	-0.016304	6.21719	103.534	-0.011563
8.10958	99.1303	115.591	982.616	1523.3	-0.044837	6.21625	103.189	-0.011563
8.11058	99.1303	115.317	982.959	1525.21	0.028532	6.22156	103.731	-0.012188
8.11158	99.5414	115.317	983.073	1525.08	-0.004076	6.21719	104.028	-0.011563

8.11258	99.1303	115.317	983.073	1524.94	-0.004076	8.21989	103.583	-0.011563
8.11358	99.9526	115.042	982.844	1524.67	-0.004076	8.20094	103.781	-0.010313
8.11458	99.4044	115.317	982.616	1524.39	-0.004076	8.17344	103.337	-0.0125
8.11558	99.5414	115.317	981.931	1524.67	0.024456	8.15344	103.534	-0.012813
8.11658	99.5414	115.591	983.301	1524.67	-0.012228	8.15656	103.386	-0.012813
8.11758	99.4044	115.317	983.073	1524.53	-0.02038	8.23187	103.583	-0.010938
8.11858	99.6785	115.317	982.388	1525.08	-0.004076	8.21906	103.386	-0.010625
8.11958	99.1303	115.317	982.73	1524.53	-0.004076	8.22187	103.633	-0.009375
8.12058	99.4044	115.317	982.159	1523.03	-0.032608	8.22094	102.981	-0.014688
8.12158	99.4044	115.179	982.502	1524.67	-0.004076	8.21989	103.485	-0.012188
8.12258	99.9526	114.768	982.844	1524.53	-0.004076	8.22094	103.781	-0.012188
8.12358	99.4044	115.317	982.844	1524.63	-0.004076	8.21844	103.238	-0.012188
8.12458	99.2673	115.317	982.502	1524.12	-0.004076	8.21781	103.337	-0.013125
8.12558	99.8155	114.905	983.073	1524.94	-0.004076	8.21856	103.485	-0.011563
8.12658	99.2673	115.317	982.844	1524.53	0.040761	8.21688	103.386	-0.010625
8.12758	99.5414	115.179	982.616	1524.39	-0.004076	8.21781	103.386	-0.010313
8.12858	99.1303	115.179	982.844	1525.08	-0.004076	8.21844	103.386	-0.01125
8.12958	99.4044	115.317	982.388	1524.12	-0.004076	8.21594	103.485	-0.012188
8.13058	99.6785	115.179	982.388	1524.94	-0.004076	8.21844	103.238	-0.013438
8.13158	99.4044	115.042	983.073	1523.85	-0.02038	8.21344	102.893	-0.011875
8.13258	99.6785	115.317	982.159	1524.12	-0.004076	8.21781	103.435	-0.014375
8.13358	99.5414	115.317	982.844	1524.12	0.02038	8.21989	103.88	-0.010313
8.13458	99.5414	115.317	982.959	1523.88	0.02038	8.20489	103.386	-0.011563
8.13558	99.2673	115.317	982.844	1524.39	-0.004076	8.18156	103.287	-0.010625
8.13658	99.5414	115.317	982.844	1524.39	-0.004076	8.15531	103.386	-0.010313
8.13758	99.4044	115.179	983.073	1524.39	-0.012228	8.14856	103.189	-0.011875
8.13858	99.9526	115.591	982.273	1524.53	0.024456	8.22719	103.386	-0.011563
8.13958	99.6785	115.317	982.844	1524.39	-0.004076	8.21989	103.09	-0.011875
8.14058	99.5414	115.317	982.616	1524.67	-0.004076	8.22219	103.238	-0.0125
8.14158	99.6785	115.317	982.616	1524.12	-0.004076	8.22094	103.09	-0.010313
8.14258	99.4044	115.317	981.931	1523.03	-0.044837	8.21812	102.842	-0.013438
8.14358	99.4044	115.179	982.159	1523.88	-0.004076	8.21989	103.386	-0.011563
8.14458	99.4044	115.317	982.616	1523.57	-0.004076	8.21989	103.781	-0.011563
8.14558	99.4044	115.317	982.844	1524.87	0.024456	8.21906	103.287	-0.011563
8.14658	99.8155	115.317	982.844	1523.3	-0.004076	8.21719	103.287	-0.010625
8.14758	99.5414	115.317	982.959	1523.57	-0.004076	8.21312	103.041	-0.011875
8.14858	99.5414	115.729	982.616	1523.98	0.036685	8.21781	103.287	-0.011563
8.14958	99.5414	115.454	983.301	1523.57	-0.004076	8.21656	103.287	-0.012188
8.15058	99.5414	115.179	983.073	1524.39	-0.004076	8.21625	103.189	-0.01125
8.15158	99.6785	115.866	982.045	1524.39	-0.004076	8.21812	103.238	-0.010313
8.15258	99.8155	115.591	982.159	1523.85	-0.004076	8.21469	103.337	-0.010313
8.15358	99.2673	115.179	983.53	1523.57	-0.004076	8.21844	103.386	-0.009063
8.15458	99.8155	115.591	982.045	1523.57	-0.008152	8.21719	103.189	-0.013125
8.15558	99.8155	115.317	982.844	1523.85	-0.004076	8.20844	103.583	-0.012813
8.15658	99.6785	115.317	982.616	1523.57	-0.004076	8.18156	103.189	-0.012813
8.15758	99.9526	114.905	982.959	1524.12	0.02038	8.15969	103.189	-0.011563
8.15858	99.5414	115.042	983.073	1524.67	-0.004076	8.14594	103.189	-0.011563
8.15958	99.6785	115.591	982.045	1523.57	-0.004076	8.21594	103.139	-0.010638
8.16058	99.8155	115.729	983.416	1523.85	0.028532	8.22219	103.238	-0.011563
8.16158	99.6785	115.317	982.616	1523.98	-0.004076	8.21906	103.633	-0.010938
8.16258	99.5414	115.317	983.073	1524.94	-0.004076	8.21906	103.386	-0.01125
8.16358	99.4044	115.317	982.616	1523.03	-0.008152	8.21906	103.337	-0.010313

8.18450	99.4044	115.042	983.301	1522.75	-0.024456	8.21844	103.238	-0.011875
8.18550	99.4044	115.042	982.388	1523.03	-0.004076	8.21844	103.287	-0.013438
8.18650	99.4044	115.729	982.73	1523.85	-0.004076	8.21781	103.781	-0.010313
8.18750	99.4044	115.317	982.616	1523.85	-0.004076	8.21406	103.189	-0.010625
8.18850	99.4044	115.317	982.388	1523.85	-0.004076	8.21469	103.238	-0.011875
8.18950	99.5414	115.317	982.73	1523.85	-0.004076	8.21406	103.287	-0.010313
8.17050	99.9526	114.788	982.844	1523.57	0.02038	8.21219	103.386	-0.01125
8.17150	99.5414	115.454	983.301	1523.03	-0.004076	8.21438	103.386	-0.01125
8.17250	99.5414	115.591	982.73	1523.98	-0.004076	8.21469	103.534	-0.013125
8.17350	99.4044	115.317	982.388	1524.53	-0.004076	8.21344	103.287	-0.012188
8.17450	99.4044	115.317	982.73	1523.85	-0.004076	8.21594	103.386	-0.011563
8.17550	99.8155	115.591	982.844	1523.57	-0.012228	8.21469	103.238	-0.009688
8.17650	99.8785	115.729	981.931	1523.57	-0.012228	8.21156	103.139	-0.012813
8.17750	99.5414	115.317	982.616	1523.85	-0.004076	8.18719	103.682	-0.011563
8.17850	99.4044	115.317	983.53	1523.03	-0.004076	8.16094	103.337	-0.012188
8.17950	99.8155	115.317	982.616	1523.57	-0.004076	8.14469	103.386	-0.010313
8.18050	99.9526	115.042	982.616	1523.71	-0.012228	8.19156	103.386	-0.010938
8.18150	98.8562	115.317	982.616	1523.44	-0.004076	8.22594	103.386	-0.014083
8.18250	99.1303	115.317	982.616	1523.44	0.028532	8.21438	103.485	-0.010938
8.18350	99.4044	115.317	982.388	1523.03	-0.004076	8.21562	103.435	-0.010825
8.18450	99.2873	115.042	982.844	1524.53	-0.004076	8.21531	103.386	-0.010825
8.18550	99.8785	115.179	982.73	1523.3	-0.004076	8.21625	103.386	-0.01125
8.18650	99.1303	115.317	983.758	1523.98	0.02038	8.21656	103.287	-0.009083
8.18750	99.5414	115.317	981.931	1523.03	-0.004076	8.21187	103.287	-0.013438
8.18850	98.8562	115.317	982.388	1523.3	-0.004076	8.20969	103.534	-0.011563
8.18950	99.4044	115.317	982.616	1523.98	-0.004076	8.20969	103.386	-0.012813
8.19050	99.5414	115.317	982.73	1523.57	0.028532	8.21531	103.485	-0.010938
8.19150	99.8155	115.886	981.931	1523.57	-0.004076	8.20969	103.287	-0.010825
8.19250	99.8785	115.729	981.816	1523.57	-0.004076	8.20969	103.287	-0.012188
8.19350	99.5414	115.317	982.844	1524.12	-0.004076	8.21156	103.386	-0.010938
8.19450	99.4044	115.317	983.301	1523.03	-0.004076	8.21156	103.287	-0.012813
8.19550	99.2873	115.317	983.073	1524.94	-0.004076	8.21281	103.287	-0.013438
8.19650	99.5414	115.317	983.073	1523.03	-0.004076	8.21062	103.287	-0.011875
8.19750	99.5414	115.317	983.416	1523.03	-0.004076	8.20719	103.337	-0.010313
8.19850	99.2873	115.317	982.159	1523.57	-0.004076	8.18719	103.189	-0.01375
8.19950	99.2873	115.042	982.616	1523.57	0.02038	8.18219	103.583	-0.011875
8.20050	99.6785	115.591	983.073	1523.57	0.016304	8.14719	103.189	-0.010938
8.20150	99.2873	115.317	983.073	1523.03	-0.004076	8.15469	103.386	-0.01
8.20250	99.6785	115.729	982.159	1523.03	-0.004076	8.22687	103.287	-0.012188
8.20350	99.8155	115.317	982.73	1523.85	0.02038	8.21094	103.287	-0.010825
8.20450	99.6785	114.805	982.273	1523.57	-0.004076	8.21344	103.287	-0.012188
8.20550	99.6785	115.317	982.959	1523.57	-0.012228	8.21219	103.09	-0.0125
8.20650	99.2873	115.317	982.388	1523.57	-0.004076	8.21062	103.09	-0.0125
8.20750	99.4044	115.317	982.73	1523.57	-0.02038	8.20969	103.09	-0.010938
8.20850	99.9526	115.317	983.53	1523.85	-0.004076	8.21156	102.991	-0.009083
8.20950	99.8155	115.317	982.844	1523.03	-0.004076	8.20844	103.189	-0.010938
8.21050	99.4044	115.179	982.844	1523.85	0.028532	8.20719	103.337	-0.010938
8.21150	99.4044	115.317	982.616	1523.03	-0.004076	8.20844	103.09	-0.01125
8.21250	99.4044	115.179	983.073	1524.12	-0.004076	8.21187	103.189	-0.01125
8.21350	99.4044	115.042	982.616	1524.12	0.024456	8.20844	103.337	-0.01125
8.21450	99.2873	115.454	982.388	1523.3	-0.004076	8.20594	102.943	-0.013125
8.21550	99.4044	115.591	982.844	1523.44	0.044837	8.21156	102.991	-0.012188

8.21859	99.9528	115.179	982.388	1523.03	-0.008152	6.21187	103.189	-0.010838
8.21759	99.6785	115.317	982.73	1523.03	-0.004076	6.20969	102.991	-0.010313
8.21859	99.6785	115.317	982.159	1522.75	-0.018304	6.21408	103.041	-0.01125
8.21959	99.6785	115.317	983.073	1523.03	-0.004076	6.19969	103.189	-0.008125
8.22059	99.6785	115.591	981.931	1522.75	-0.004076	6.17312	103.09	-0.014063
8.22159	99.8562	115.317	982.959	1523.03	-0.004076	6.15219	103.287	-0.012188
8.22259	99.9528	115.042	982.616	1523.98	-0.004076	6.14094	102.893	-0.012188
8.22359	99.4044	115.591	982.844	1523.03	-0.004076	6.21937	103.09	-0.01125
8.22459	99.6785	115.317	982.959	1523.03	-0.004076	6.22094	102.991	-0.012813
8.22559	99.1303	115.317	982.616	1523.44	-0.004076	6.21969	103.09	-0.010938
8.22659	99.6785	115.317	983.073	1523.44	0.02038	6.21844	103.09	-0.010625
8.22759	99.4044	115.317	982.616	1523.44	-0.004076	6.21469	102.893	-0.011563
8.22859	99.6785	115.317	982.616	1524.53	-0.004076	6.21856	103.189	-0.011875
8.22959	99.6414	115.866	982.602	1522.75	-0.004076	6.21469	102.891	-0.012188
8.23059	99.5414	115.317	982.959	1523.3	-0.004076	6.21156	102.991	-0.009688
8.23159	99.6785	116.003	982.388	1523.03	-0.004076	6.21219	102.991	-0.013125
8.23259	99.6785	115.729	982.388	1523.3	-0.004076	6.21219	103.139	-0.011875
8.23359	99.4044	115.179	982.616	1523.3	-0.004076	6.21594	102.794	-0.01125
8.23459	99.5414	115.317	982.73	1523.03	-0.012228	6.21562	103.189	-0.010625
8.23559	99.4044	115.042	982.159	1523.3	0.032609	6.21094	103.139	-0.010625
8.23659	99.6785	115.729	982.159	1523.03	-0.004076	6.21219	102.893	-0.011563
8.23759	99.4044	115.042	982.616	1523.44	0.044837	6.21158	102.991	-0.012813
8.23859	99.5414	115.317	982.73	1523.3	-0.004076	6.21438	103.189	-0.015313
8.23959	99.4044	115.317	982.844	1523.03	-0.004076	6.21469	103.09	-0.011563
8.24059	99.2673	115.317	982.388	1522.48	-0.008152	6.20887	103.139	-0.012813
8.24159	99.5414	115.591	983.997	1523.03	0.024459	6.18158	102.942	-0.010313
8.24259	99.4044	115.317	982.844	1522.89	-0.012228	6.15781	102.942	-0.011563
8.24359	99.6785	114.63	982.73	1523.03	-0.004076	6.14156	102.794	-0.013125
8.24459	99.9528	115.179	982.502	1523.03	-0.004076	6.20969	102.893	-0.011563
8.24559	99.2673	115.317	982.388	1523.03	-0.004076	6.22281	102.794	-0.012813
8.24659	99.4044	115.317	982.616	1523.3	-0.004076	6.21969	102.942	-0.011563
8.24759	99.6785	115.179	982.273	1522.75	-0.004076	6.21781	103.09	-0.010938
8.24859	99.4044	115.317	982.502	1522.62	0.02038	6.21719	102.893	-0.0125
8.24959	99.4044	115.179	982.616	1523.03	-0.004076	6.21844	102.991	-0.011875
8.25059	99.6785	115.179	983.073	1524.94	-0.004076	6.21594	103.09	-0.010625
8.25159	100.09	114.768	982.616	1522.48	-0.008152	6.21469	102.696	-0.012813
8.25259	99.4044	115.317	982.844	1523.3	-0.012228	6.21438	102.991	-0.010625
8.25359	99.1303	115.317	982.959	1521.84	-0.004076	6.21281	102.843	-0.012188
8.25459	99.4044	115.317	982.844	1522.62	-0.004076	6.21531	103.287	-0.011563
8.25559	99.6785	115.317	982.844	1523.03	-0.004076	6.21156	102.942	-0.012813
8.25659	99.6785	115.317	982.616	1523.03	-0.004076	6.21281	103.09	-0.012188
8.25759	99.2673	115.317	982.388	1522.48	-0.004076	6.21344	102.696	-0.010838
8.25859	99.6785	115.317	982.844	1523.44	0.016304	6.21158	102.991	-0.01125
8.25959	98.9833	115.179	982.616	1523.03	0.061141	6.21469	102.893	-0.010938
8.26059	99.4044	115.317	982.616	1522.75	-0.004076	6.21344	102.843	-0.011563
8.26159	99.6785	115.317	982.502	1523.03	-0.004076	6.20812	102.843	-0.01125
8.26259	99.6785	115.591	983.073	1522.48	-0.004076	6.18887	103.189	-0.010938
8.26359	99.6785	115.454	983.073	1523.03	-0.004076	6.15889	102.696	-0.010938
8.26459	99.4044	115.317	982.388	1522.21	-0.004076	6.14219	102.893	-0.01125
8.26559	99.4044	115.317	982.273	1522.48	-0.004076	6.19469	102.893	-0.011563
8.26659	99.6785	115.317	982.388	1523.44	-0.004076	6.22856	103.388	-0.010938
8.26759	99.6785	115.179	982.273	1522.48	-0.012228	6.21888	103.09	-0.010313

8.2686	99.6785	116.141	981.702	1522.21	-0.004076	6.22094	102.991	-0.01125
8.2696	99.6785	115.317	982.616	1522.21	-0.02038	6.21719	103.09	-0.01125
8.2706	99.5414	115.317	982.388	1522.48	0.024456	6.21562	102.794	-0.010938
8.2716	99.6785	115.317	982.388	1522.21	-0.004076	6.21344	102.942	-0.014063
8.2726	99.6785	115.317	982.388	1523.3	-0.004076	6.21406	102.991	-0.012188
8.2736	99.4044	115.729	982.159	1522.75	-0.004076	6.21219	102.991	-0.01125
8.2746	99.4044	115.317	982.159	1521.94	-0.004076	6.21062	102.843	-0.010938
8.2756	99.5414	115.042	982.159	1523.03	0.028532	6.21281	102.587	-0.011563
8.2766	99.6785	115.179	982.159	1522.34	-0.008152	6.21094	103.238	-0.011563
8.2776	99.6785	115.317	982.388	1522.62	-0.004076	6.21156	102.991	-0.010625
8.2786	99.8155	115.317	982.616	1523.03	-0.004076	6.21281	103.09	-0.012188
8.2796	99.9526	114.63	982.844	1522.34	-0.004076	6.21469	102.991	-0.012613
8.2806	99.4044	115.317	982.616	1521.94	-0.004076	6.21344	102.745	-0.011563
8.2816	99.4044	115.317	982.159	1522.75	-0.004076	6.21406	102.745	-0.011875
8.2826	99.5414	115.729	983.073	1521.94	-0.004076	6.21156	102.942	-0.011563
8.2836	99.5414	115.179	982.844	1523.71	-0.004076	6.18584	102.794	-0.010938
8.2846	99.4044	115.454	982.73	1522.21	-0.004076	6.18489	103.287	-0.010313
8.2856	99.5414	115.591	983.073	1522.21	-0.004076	6.14906	102.991	-0.010313
8.2866	99.6785	115.317	982.388	1521.39	-0.012228	6.18219	102.843	-0.013125
8.2876	99.5414	115.317	982.159	1521.94	-0.004076	6.22969	102.794	-0.014063
8.2886	99.5414	115.729	982.844	1521.94	-0.004076	6.21469	103.366	-0.012613
8.2896	99.4044	115.317	982.159	1522.21	-0.004076	6.22094	102.893	-0.011563
8.2906	99.5414	115.317	982.502	1522.62	-0.004076	6.22156	102.942	-0.01125
8.2916	99.6785	115.317	982.844	1522.48	-0.004076	6.21937	102.895	-0.012613
8.2926	99.4044	115.317	982.388	1521.94	-0.004076	6.21688	102.893	-0.012613
8.2936	99.6785	115.317	982.616	1522.34	-0.008152	6.21625	103.09	-0.011563
8.2946	99.4044	115.317	983.073	1522.21	-0.004076	6.21469	102.745	-0.012188
8.2956	99.1303	115.317	982.616	1521.94	-0.004076	6.21469	102.794	-0.013438
8.2966	99.4044	115.866	982.959	1522.48	-0.004076	6.21469	102.893	-0.010313
8.2976	99.6785	115.317	981.702	1520.84	-0.004076	6.21469	102.843	-0.015313
8.2986	99.9526	115.317	982.159	1521.53	-0.004076	6.21719	102.991	-0.014063
8.2996	99.2673	115.179	982.73	1522.48	-0.004076	6.21594	102.991	-0.012188
8.3006	99.5414	115.317	983.073	1522.62	-0.004076	6.21688	102.893	-0.011875
8.3016	99.4044	115.179	981.816	1521.8	-0.004076	6.21969	102.893	-0.010625
8.3026	99.4044	115.591	982.388	1521.94	-0.004076	6.21612	102.745	-0.010313
8.3036	99.2673	115.179	982.844	1522.48	0.044837	6.21469	103.09	-0.010313
8.3046	99.5414	115.179	982.616	1522.48	-0.004076	6.18781	102.942	-0.011563
8.3056	99.6785	115.317	982.045	1522.34	-0.008152	6.18844	102.893	-0.012613
8.3066	99.6785	115.729	982.616	1522.21	-0.004076	6.14656	102.794	-0.012188
8.3076	99.1303	115.042	982.616	1521.66	-0.004076	6.17781	102.893	-0.012188
8.3086	99.8155	114.905	981.931	1520.84	-0.008152	6.23094	102.547	-0.014375
8.3096	99.6785	115.317	982.388	1522.48	-0.004076	6.21562	102.991	-0.012188
8.3106	99.4044	115.179	982.616	1522.21	-0.004076	6.22219	103.366	-0.010938
8.3116	99.6785	115.042	982.73	1521.94	-0.004076	6.21875	102.895	-0.011563
8.3126	99.1303	115.454	982.616	1522.34	-0.004076	6.22156	103.041	-0.01125
8.3136	99.9526	114.768	982.273	1522.34	-0.004076	6.21868	102.843	-0.010938
8.3146	99.4044	115.591	982.616	1522.21	-0.004076	6.21656	102.794	-0.011875
8.3156	99.1303	115.317	982.616	1521.39	-0.004076	6.21688	102.942	-0.01125
8.3166	99.8155	115.317	982.844	1522.48	-0.004076	6.21594	102.893	-0.012188
8.3176	99.4044	115.179	982.502	1523.03	-0.004076	6.21469	102.893	-0.010313
8.3186	99.8155	115.317	982.159	1521.94	-0.004076	6.21812	102.794	-0.009688
8.3196	99.9526	115.042	982.502	1520.84	-0.008152	6.21469	102.587	-0.012188

8.3206	98.8582	115.591	981.931	1521.94	-0.004076	6.21719	103.09	-0.011563
8.3216	98.8582	114.768	982.502	1521.8	-0.004076	6.21658	103.09	-0.011875
8.3226	99.2673	115.179	982.616	1521.94	-0.004076	6.21562	102.893	-0.0125
8.3236	99.9526	114.493	982.844	1521.68	-0.004076	6.22219	103.09	-0.012813
8.3246	99.5414	115.317	982.616	1521.39	-0.004076	6.21469	102.991	-0.012813
8.3256	99.5414	115.317	982.616	1522.34	0.044837	6.19469	103.041	-0.0125
8.3266	99.6785	115.866	982.273	1522.34	-0.004076	6.18969	102.991	-0.011563
8.3276	99.6785	115.317	982.616	1522.48	-0.004076	6.14658	103.09	-0.009888
8.3286	99.6785	115.317	982.73	1522.21	-0.004076	6.18344	103.139	-0.010313
8.3296	99.4044	115.317	982.959	1521.38	-0.004076	6.23344	102.991	-0.011563
8.3306	99.4044	115.317	982.169	1520.02	-0.067065	6.21469	102.597	-0.012186
8.3316	99.4044	115.317	982.045	1521.68	-0.004076	6.22469	103.09	-0.013438
8.3326	99.5414	115.317	982.616	1522.34	0.040761	6.22094	103.238	-0.011563
8.3336	99.6785	115.179	983.073	1522.48	-0.004076	6.22583	102.991	-0.011563
8.3346	99.4044	115.317	982.273	1521.94	-0.004076	6.22583	103.189	-0.009083
8.3356	99.6785	115.317	981.702	1521.39	-0.004076	6.22166	103.189	-0.010938
8.3366	99.5414	115.317	982.959	1521.84	0.016304	6.21969	103.09	-0.010825
8.3376	99.9526	115.179	982.045	1521.8	-0.004076	6.21562	103.189	-0.012186
8.3386	99.4044	115.317	982.502	1521.53	-0.004076	6.21719	103.139	-0.012186
8.3396	99.4044	115.454	982.959	1520.84	-0.004076	6.21812	103.189	-0.010938
8.3406	99.8155	115.317	982.388	1520.84	-0.004076	6.21562	103.139	-0.010825
8.3416	99.6785	115.179	982.159	1520.57	-0.036885	6.21594	102.794	-0.014688
8.3426	99.9526	115.317	981.702	1521.39	-0.004076	6.21531	103.09	-0.012186
8.3436	99.5414	115.454	982.616	1521.94	-0.004076	6.21719	103.386	-0.011563
8.3446	99.2673	115.591	982.388	1521.8	-0.004076	6.21969	103.189	-0.01125
8.3456	99.9526	115.179	982.616	1521.39	-0.004076	6.2175	103.238	-0.019125
8.3466	99.4044	115.179	982.73	1521.94	-0.004076	6.19281	103.287	-0.012186
8.3476	99.8155	115.729	982.159	1520.84	0.028532	6.16719	103.09	-0.01125
8.3486	99.9526	114.768	982.616	1521.68	-0.004076	6.14906	103.09	-0.012186
8.3496	99.5414	115.317	982.616	1521.94	-0.02038	6.18969	102.991	-0.011563
8.3506	99.6785	115.317	982.388	1521.68	-0.004076	6.23344	102.991	-0.010625
8.3516	99.2673	115.317	982.388	1521.39	-0.004076	6.22094	102.991	-0.010313
8.3526	99.4044	115.317	982.045	1520.02	-0.044837	6.22281	102.547	-0.01125
8.3536	99.8155	115.317	982.959	1521.39	-0.004076	6.22469	102.991	-0.011876
8.3546	99.6785	115.042	982.616	1521.94	-0.004076	6.22406	103.435	-0.010938
8.3556	99.4044	115.317	982.616	1521.39	-0.004076	6.22406	102.991	-0.012813
8.3566	99.6785	115.317	983.301	1520.84	-0.004076	6.22406	103.139	-0.011876
8.3576	99.1303	115.591	982.388	1521.39	-0.02038	6.21844	103.09	-0.012813
8.3586	99.2673	115.591	982.502	1521.53	-0.004076	6.21612	103.189	-0.0125
8.3596	99.2673	115.317	982.159	1521.68	-0.004076	6.21969	103.386	-0.011563
8.3606	99.5414	115.317	982.502	1521.66	-0.02038	6.21781	103.139	-0.011563
8.3616	99.5414	115.317	982.844	1522.48	0.02038	6.21969	102.991	-0.012186
8.3626	99.8155	115.317	982.159	1520.84	-0.012228	6.21812	102.991	-0.011563
8.3636	99.5414	115.317	981.931	1520.3	-0.048913	6.21719	102.597	-0.016563
8.3646	99.6785	115.317	982.73	1520.84	-0.004076	6.22156	102.991	-0.012186
8.3656	99.8155	115.317	982.388	1521.39	-0.004076	6.21875	103.534	-0.012186
8.3666	99.9526	115.317	982.844	1521.94	-0.004076	6.21469	102.893	-0.012186
8.3676	99.1303	115.179	982.616	1520.84	-0.004076	6.18844	103.189	-0.010938
8.3686	99.6785	115.454	982.502	1520.84	-0.004076	6.16531	103.189	-0.010938
8.3696	99.5414	115.317	982.616	1521.94	-0.004076	6.14906	102.991	-0.011563
8.3706	99.4044	115.591	982.844	1521.39	-0.008152	6.19062	102.991	-0.010938
8.3716	99.6785	115.317	982.159	1521.39	-0.004076	6.23156	103.139	-0.011563

8.3728	99.4044	114.788	982.159	1522.34	-0.004078	6.21908	102.991	-0.011563
8.3738	99.6785	115.317	982.616	1520.84	-0.004078	6.22187	103.189	-0.011563
8.3748	99.9526	114.788	981.931	1520.3	-0.024456	6.21908	103.09	-0.011875
8.3758	99.4044	115.591	982.388	1520.84	-0.004078	6.22158	102.893	-0.011563
8.3768	99.6785	115.042	982.388	1521.66	-0.004078	6.22344	103.189	-0.011563
8.3778	99.9526	115.317	982.388	1520.84	-0.004078	6.21908	102.893	-0.01125
8.3788	99.5414	115.591	982.616	1521.8	-0.004078	6.21969	103.238	-0.012813
8.3798	99.4044	115.179	982.273	1520.84	-0.004078	6.21812	102.843	-0.012813
8.3808	99.4044	115.317	982.502	1520.84	-0.004078	6.21844	102.893	-0.012813
8.3818	99.6785	115.868	981.931	1521.39	0.02038	6.21844	102.991	-0.013438
8.3828	99.4044	115.317	982.159	1521.53	-0.006152	6.21969	102.991	-0.011875
8.3838	99.5414	115.317	982.159	1521.66	-0.004078	6.21844	103.09	-0.0125
8.3848	99.6785	115.317	982.388	1520.84	-0.004078	6.22219	102.942	-0.010625
8.3858	99.2673	114.905	983.073	1520.84	-0.012228	6.22158	102.893	-0.009063
8.3868	99.4044	115.591	982.159	1520.84	-0.016304	6.22158	102.991	-0.010313
8.3878	99.6785	115.317	982.616	1521.39	-0.004078	6.21781	103.366	-0.011563
8.3888	99.6785	115.317	982.159	1520.71	-0.004078	6.18969	102.942	-0.01125
8.3898	99.5414	115.042	982.159	1521.66	0.028532	6.18969	102.893	-0.012188
8.3908	99.4044	115.317	982.388	1521.39	-0.004078	6.14594	102.695	-0.011875
8.3918	99.6785	115.317	982.159	1521.66	0.02038	6.17844	102.794	-0.010938
8.3928	99.5414	115.317	982.388	1520.71	-0.004078	6.23219	102.893	-0.013125
8.3938	99.5414	115.317	982.159	1519.75	-0.004078	6.21584	102.991	-0.010313
8.3948	99.6785	115.179	982.159	1522.34	0.024456	6.22158	102.991	-0.010313
8.3958	99.8155	115.317	982.616	1520.84	-0.004078	6.22084	102.942	-0.013125
8.3968	99.5414	115.317	983.416	1520.71	-0.004078	6.21844	102.991	-0.009063
8.3978	99.4044	115.179	982.616	1520.84	-0.004078	6.21844	102.597	-0.014063
8.3988	99.6785	115.179	982.502	1521.66	-0.004078	6.21469	103.09	-0.0125
8.3998	99.8155	115.317	982.388	1521.39	0.024456	6.21531	102.893	-0.011875
8.4008	99.6785	115.317	982.616	1520.84	-0.004078	6.21844	102.843	-0.010625
8.4018	99.5414	115.317	982.273	1520.84	-0.004078	6.21688	102.843	-0.010938
8.4028	99.4044	114.83	981.583	1520.84	-0.004078	6.21658	102.695	-0.011875
8.4038	99.6785	115.317	982.502	1521.39	-0.004078	6.21531	102.942	-0.010313
8.4048	99.5414	115.317	982.159	1521.39	-0.004078	6.21438	102.745	-0.012188
8.4058	99.4044	115.179	982.616	1521.66	0.02038	6.21844	102.942	-0.012188
8.4068	99.8155	115.317	982.159	1520.3	-0.004078	6.21408	102.991	-0.012188
8.4078	99.8155	115.042	983.073	1520.84	-0.004078	6.21625	102.794	-0.010313
8.4088	99.9933	115.317	982.616	1520.57	-0.004078	6.21719	102.597	-0.013438
8.4098	99.6785	115.317	982.388	1521.39	-0.004078	6.19937	103.09	-0.010625
8.4108	99.8155	115.317	982.159	1521.66	0.024456	6.17219	102.597	-0.010625
8.4118	99.6785	115.729	982.273	1520.84	0.024456	6.14969	102.942	-0.011563
8.4128	99.4044	115.317	982.502	1520.84	0.02038	6.18969	102.449	-0.011563
8.4138	99.6785	115.317	982.616	1521.66	0.036885	6.23469	102.794	-0.011563
8.4148	99.8785	115.317	982.73	1520.84	-0.004078	6.21469	102.597	-0.012813
8.4158	100.227	114.905	982.159	1520.71	-0.012228	6.22437	102.745	-0.013438
8.4168	99.4044	115.317	983.073	1523.03	-0.004078	6.21969	102.646	-0.010938
8.4178	99.8155	115.317	982.388	1520.43	-0.004078	6.21969	102.794	-0.010313
8.4188	99.8155	115.317	983.301	1520.57	-0.004078	6.22125	102.745	-0.009438
8.4198	99.8155	115.317	982.273	1520.3	-0.004078	6.21625	102.547	-0.012188
8.4208	99.6785	115.042	982.388	1520.84	-0.004078	6.21719	102.991	-0.011875
8.4218	99.6785	115.591	982.616	1520.84	0.02038	6.21408	102.794	-0.011875
8.4228	99.6785	115.317	982.159	1520.84	0.02038	6.21469	102.597	-0.012188
8.4238	99.6785	115.179	982.388	1521.66	-0.004078	6.21844	102.893	-0.010625

8.42481	98.8562	115.179	982.816	1520.84	-0.004076	8.21408	102.745	-0.011563
8.42581	99.8785	115.591	982.159	1520.84	0.028532	8.21594	102.895	-0.011563
8.42681	99.5414	115.317	982.388	1520.43	-0.004076	8.21489	102.895	-0.011875
8.42781	99.8785	115.179	982.502	1521.68	-0.004076	8.21281	102.794	-0.011875
8.42881	98.9933	115.317	982.502	1520.3	-0.004076	8.21858	102.991	-0.010938
8.42981	99.5414	115.042	982.816	1521.39	-0.004076	8.21408	102.794	-0.010313
8.43081	99.8785	115.317	982.159	1520.71	-0.004076	8.20219	102.597	-0.013438
8.43181	99.8785	115.317	982.273	1520.3	-0.004076	8.17344	103.337	-0.011875
8.43281	99.8785	115.317	982.159	1520.57	-0.004076	8.15219	102.794	-0.012813
8.43381	99.8155	115.042	981.816	1520.57	-0.004076	8.15408	102.895	-0.010825
8.43481	99.5414	115.317	982.159	1519.75	0.02038	8.22719	102.547	-0.010938
8.43581	99.8785	115.317	982.388	1520.84	-0.004076	8.21489	102.893	-0.010313
8.43681	98.9933	115.317	982.388	1520.84	0.044837	8.21989	102.842	-0.010313
8.43781	99.8785	115.317	982.045	1520.84	-0.02038	8.21594	102.842	-0.010938
8.43881	99.8785	115.317	982.502	1521.39	-0.004076	8.21844	102.843	-0.012188
8.43981	99.8785	114.905	982.159	1520.43	-0.004076	8.21489	102.794	-0.012188
8.44081	99.9528	115.317	983.872	1520.84	-0.004076	8.21312	102.794	-0.008438
8.44181	99.8785	115.179	982.159	1520.02	-0.004076	8.21158	102.745	-0.013438
8.44281	99.8155	115.317	982.159	1520.57	0.02038	8.2125	102.893	-0.010938
8.44381	99.9528	115.888	982.045	1521.39	-0.004076	8.21344	102.891	-0.011563
8.44481	99.8785	115.591	982.502	1520.84	-0.008152	8.21408	102.842	-0.011563
8.44581	99.8785	115.317	981.931	1520.84	-0.004076	8.21158	103.09	-0.011563
8.44681	99.8785	115.179	981.931	1521.39	0.016304	8.21408	102.891	-0.012813
8.44781	99.8155	115.888	981.474	1520.71	0.024456	8.21082	102.991	-0.011563
8.44881	100.364	114.788	982.159	1520.71	-0.004076	8.21408	102.893	-0.010825
8.44981	99.8785	115.591	982.045	1521.68	-0.004076	8.21489	102.893	-0.011563
8.45081	99.4044	115.179	982.388	1520.84	-0.004076	8.21489	102.745	-0.010313
8.45181	99.4044	115.042	982.045	1520.16	-0.004076	8.19989	102.891	-0.010313
8.45281	99.1303	115.317	981.245	1520.02	-0.004076	8.17344	102.794	-0.011563
8.45381	99.4044	115.042	982.844	1520.84	0.024456	8.15531	103.189	-0.012188
8.45481	99.4044	115.317	982.959	1520.71	0.02038	8.14875	102.745	-0.012188
8.45581	99.8785	115.317	982.502	1520.84	0.028532	8.22312	102.895	-0.011875
8.45681	99.8785	115.317	982.816	1520.71	-0.004076	8.22219	102.794	-0.012188
8.45781	99.8155	115.179	982.388	1520.84	-0.004076	8.21906	102.848	-0.012813
8.45881	99.8155	115.591	982.159	1520.67	0.067065	8.22082	102.895	-0.011875
8.45981	99.4044	115.179	982.844	1520.84	-0.004076	8.22219	102.794	-0.011563
8.46081	99.8155	115.888	982.502	1521.39	-0.012228	8.21858	102.597	-0.014083
8.46181	99.8785	115.317	982.844	1520.16	-0.004076	8.21989	102.794	-0.011563
8.46281	99.8785	115.179	982.959	1520.16	-0.004076	8.21582	102.895	-0.009375
8.46381	99.8155	115.317	982.045	1519.75	0.02038	8.21158	102.794	-0.011563
8.46481	99.4044	115.317	982.045	1520.43	-0.004076	8.21489	102.843	-0.012813
8.46581	99.4044	115.317	982.159	1520.57	-0.004076	8.21858	102.893	-0.010938
8.46681	99.8155	115.888	981.931	1520.84	-0.004076	8.21825	102.843	-0.010313
8.46781	99.8785	115.317	982.273	1520.71	-0.004076	8.21858	102.895	-0.011563
8.46881	99.8155	115.888	982.159	1520.84	-0.008152	8.21408	102.794	-0.011563
8.46981	99.4044	115.317	982.388	1520.02	0.028532	8.21594	102.745	-0.010938
8.47081	99.9528	115.317	982.502	1520.71	-0.004076	8.21489	102.843	-0.011563
8.47181	99.5414	115.317	982.388	1520.84	-0.004076	8.21719	102.895	-0.013438
8.47281	99.8785	115.317	981.931	1520.84	-0.012228	8.20344	102.891	-0.011563
8.47381	99.9528	115.317	982.159	1520.02	-0.016304	8.17719	102.843	-0.010825
8.47481	99.9528	116.003	981.816	1520.84	-0.004076	8.15887	102.895	-0.013125
8.47581	99.8785	115.317	982.388	1519.61	-0.004076	8.14719	102.891	-0.010938

8.47881	99.4044	115.317	982.844	1520.02	-0.004076	6.22469	102.991	-0.011875
8.47781	100.227	115.042	982.502	1520.57	-0.004076	6.22344	102.895	-0.011563
8.47881	99.1303	115.179	982.73	1520.57	-0.004076	6.22219	103.041	-0.011563
8.47981	99.8785	115.591	982.159	1520.3	-0.004076	6.22094	102.498	-0.011875
8.48081	99.5414	115.317	982.045	1520.3	0.057085	6.22219	102.794	-0.012813
8.48181	99.8785	115.317	982.502	1520.3	-0.004076	6.21989	102.794	-0.010938
8.48281	99.8785	115.317	981.702	1520.57	-0.004076	6.22094	102.597	-0.011875
8.48381	99.9528	115.179	981.931	1519.48	0.02038	6.21908	102.895	-0.011563
8.48481	99.8785	115.317	982.502	1520.3	-0.004076	6.21781	102.745	-0.00875
8.48581	99.5414	115.591	982.616	1520.16	-0.004076	6.21719	102.794	-0.01125
8.48681	99.4044	115.317	982.159	1520.57	0.024458	6.21989	102.745	-0.012813
8.48781	99.8785	115.317	982.159	1520.3	-0.004076	6.21844	103.09	-0.012813
8.48881	99.8155	114.905	981.816	1519.75	-0.004076	6.21888	102.794	-0.012813
8.48981	99.4044	115.317	982.616	1520.3	0.02038	6.22094	102.893	-0.010313
8.49081	99.8785	115.591	981.931	1519.75	-0.004076	6.21719	102.942	-0.013438
8.49181	99.8785	115.317	982.388	1520.84	0.044837	6.21719	102.893	-0.011563
8.49281	99.9528	115.591	982.045	1520.3	-0.02038	6.21844	102.597	-0.012188
8.49381	99.8785	115.317	982.045	1520.02	-0.004076	6.20687	102.794	-0.0125
8.49481	99.9528	115.042	982.616	1520.3	-0.004076	6.18094	102.745	-0.011875
8.49581	99.2673	115.179	983.073	1520.02	-0.004076	6.15844	102.893	-0.009063
8.49681	99.8785	115.591	981.931	1519.2	-0.004076	6.14594	102.745	-0.012813
8.49781	99.8155	115.317	982.388	1519.89	-0.004076	6.22094	102.942	-0.0125
8.49881	99.5414	115.866	982.616	1519.75	-0.004076	6.22156	102.991	-0.010825
8.49981	99.5414	115.317	981.931	1519.75	-0.004076	6.21875	102.893	-0.01125
8.50081	99.8785	115.317	982.616	1520.84	-0.004076	6.22594	102.991	-0.009975
8.50181	99.8785	115.317	982.159	1520.3	-0.004076	6.21875	102.942	-0.012188
8.50281	99.8785	115.866	982.616	1519.2	0.032609	6.22156	102.893	-0.011563
8.50381	99.8155	115.317	982.388	1519.75	-0.004076	6.21875	102.893	-0.010938
8.50481	99.5414	115.317	982.159	1521.39	-0.004076	6.21656	102.794	-0.01126
8.50581	99.8785	115.317	982.273	1519.75	-0.004076	6.21656	102.893	-0.011563
8.50681	99.9528	114.788	982.616	1520.3	-0.004076	6.21594	102.895	-0.01125
8.50781	99.8155	115.317	981.931	1519.2	-0.004076	6.21719	102.399	-0.011875
8.50881	99.8785	115.317	981.816	1519.2	-0.004076	6.21825	102.449	-0.012813
8.50981	99.9528	114.905	981.931	1519.75	-0.012228	6.21594	102.942	-0.010938
8.51081	99.8785	115.317	982.159	1519.2	-0.004076	6.21719	102.895	-0.012188
8.51181	99.8155	115.317	981.702	1520.16	-0.004076	6.2175	102.843	-0.010313
8.51281	99.9528	115.729	982.273	1519.75	-0.008152	6.21489	102.794	-0.012813
8.51381	99.8785	115.317	982.159	1519.75	0.036885	6.21781	102.794	-0.014083
8.51481	99.8785	115.317	982.844	1520.3	-0.008152	6.20937	102.794	-0.0125
8.51581	99.1303	115.317	982.388	1519.75	-0.004076	6.18469	102.597	-0.010625
8.51681	99.8785	115.042	982.388	1519.75	-0.018304	6.15989	102.895	-0.01125
8.51781	99.9528	115.042	982.616	1520.02	-0.004076	6.14594	102.895	-0.009063
8.51881	99.8785	115.317	982.273	1519.07	-0.004076	6.21219	102.597	-0.01125
8.51981	99.5414	115.591	982.159	1519.75	-0.004076	6.22408	102.794	-0.011563
8.52081	99.9528	115.591	982.844	1519.75	-0.004076	6.22094	103.041	-0.011875
8.52181	99.9528	115.317	982.388	1520.16	-0.004076	6.21781	102.745	-0.01125
8.52281	99.8155	115.317	982.159	1520.57	0.024458	6.22094	102.745	-0.011875
8.52381	99.8155	115.317	982.502	1520.3	0.028532	6.21719	102.745	-0.011563
8.52481	99.2673	115.317	981.931	1519.2	0.028532	6.21719	102.895	-0.011563
8.52581	99.9528	114.905	982.159	1519.75	-0.012228	6.21656	102.794	-0.010313
8.52681	99.9528	115.729	981.931	1520.02	-0.004076	6.21489	102.942	-0.01125
8.52781	99.8785	115.317	982.159	1520.02	-0.004076	6.21062	102.597	-0.010938

8.52861	99.8155	115.317	982.159	1519.48	-0.012226	8.21281	102.895	-0.0125
8.52961	99.9526	115.317	982.388	1518.86	-0.028532	8.20875	102.202	-0.011875
8.53061	99.9526	115.317	982.159	1519.76	-0.004076	8.21438	102.895	-0.012188
8.53161	99.6785	115.317	981.931	1520.02	-0.004076	8.21489	102.745	-0.012188
8.53261	99.8155	115.179	982.045	1520.02	-0.004076	8.21489	102.399	-0.011875
8.53361	99.8785	115.317	982.388	1520.02	0.02038	8.21969	102.794	-0.011583
8.53461	99.9526	115.729	981.588	1519.75	-0.004076	8.21858	102.895	-0.011583
8.53561	99.5414	115.317	982.388	1519.75	0.028532	8.20719	102.895	-0.010313
8.53661	99.5414	115.317	981.702	1519.75	-0.004076	8.18158	102.794	-0.010313
8.53761	99.6785	115.317	982.616	1520.16	-0.028532	8.15719	102.547	-0.011583
8.53861	99.6785	115.317	981.816	1519.2	-0.02038	8.14219	102.597	-0.012813
8.53961	99.8155	115.317	982.045	1518.34	-0.008152	8.20094	102.794	-0.010313
8.54061	99.8785	115.317	982.616	1519.2	-0.024456	8.22281	102.597	-0.011583
8.54161	99.6785	115.317	982.159	1519.75	-0.004076	8.21781	102.745	-0.010938
8.54262	99.8155	114.788	981.931	1518.81	-0.004076	8.21969	103.09	-0.011875
8.54362	99.6785	115.317	982.388	1520.3	-0.004076	8.21969	102.597	-0.010313
8.54462	99.9526	115.042	981.931	1520.02	-0.004076	8.22344	102.895	-0.010938
8.54562	99.6785	115.729	981.131	1520.02	-0.004076	8.21812	102.597	-0.013438
8.54662	99.6785	115.317	982.388	1519.75	0.052989	8.21781	102.745	-0.009688
8.54762	99.8155	115.317	982.159	1520.02	-0.008152	8.21912	102.848	-0.010313
8.54862	99.9526	115.317	981.931	1520.67	-0.004076	8.21594	102.547	-0.01125
8.54962	99.4044	115.317	982.045	1519.75	-0.004076	8.21688	102.794	-0.010938
8.55062	99.9526	115.179	982.045	1519.2	-0.004076	8.21594	102.895	-0.011583
8.55162	99.8155	115.317	981.588	1518.86	-0.028532	8.21408	101.908	-0.011583
8.55262	99.8155	115.317	982.045	1518.93	-0.004076	8.21531	102.498	-0.011875
8.55362	99.8155	115.317	982.273	1520.02	-0.004076	8.21781	102.842	-0.011875
8.55462	99.9526	115.317	981.931	1519.75	0.02038	8.21812	102.597	-0.012813
8.55562	99.4044	115.042	982.159	1519.75	-0.004076	8.21875	102.597	-0.012188
8.55662	99.8155	115.317	981.931	1519.75	-0.004076	8.20969	102.895	-0.012188
8.55762	99.8155	115.179	982.045	1520.02	0.028532	8.18281	102.597	-0.01125
8.55862	99.6785	115.317	982.045	1519.75	-0.004076	8.18219	102.597	-0.012188
8.55962	99.9526	115.317	982.388	1620.43	-0.004076	8.14437	102.895	-0.01125
8.56062	99.4044	115.591	981.702	1519.48	-0.004076	8.18825	102.597	-0.010825
8.56162	99.6785	115.317	982.502	1519.48	-0.004076	8.22969	102.794	-0.012813
8.56262	99.6785	115.179	982.159	1518.38	-0.036885	8.21531	102.202	-0.014063
8.56362	99.9526	115.591	981.931	1518.93	-0.004076	8.22219	102.597	-0.0125
8.56462	99.6785	115.317	982.159	1520.02	0.024456	8.21969	102.981	-0.010938
8.56562	99.8155	114.905	981.931	1519.07	-0.004076	8.22094	102.449	-0.012813
8.56662	99.6785	115.591	982.844	1519.61	-0.004076	8.22594	102.597	-0.012813
8.56762	99.9526	114.788	982.159	1519.75	0.024456	8.21969	102.399	-0.010825
8.56862	99.6785	115.179	982.388	1520.16	-0.004076	8.21969	102.35	-0.011583
8.56962	99.9526	115.729	981.474	1519.07	-0.018304	8.21719	102.597	-0.010825
8.57062	99.9526	115.591	981.702	1519.61	-0.004076	8.21658	102.498	-0.010938
8.57162	99.8155	115.317	982.388	1520.02	-0.004076	8.21875	102.498	-0.010938
8.57262	99.6785	115.317	982.045	1519.07	-0.004076	8.21812	102.893	-0.012188
8.57362	99.9526	115.868	980.903	1518.11	-0.036885	8.21489	102.152	-0.014063
8.57462	100.227	115.317	981.588	1519.48	-0.004076	8.21969	102.745	-0.012813
8.57562	99.8155	115.317	982.388	1519.2	-0.004076	8.21969	102.745	-0.011875
8.57662	99.6785	115.317	983.073	1519.75	0.02038	8.22281	102.498	-0.011875
8.57762	100.227	115.317	982.273	1519.61	-0.004076	8.21844	102.597	-0.012188
8.57862	99.4044	115.317	982.388	1519.2	-0.004076	8.18969	102.784	-0.01125
8.57962	99.9526	115.317	982.159	1519.61	-0.004076	8.16375	102.498	-0.011583

8.58082	99.8155	115.317	982.159	1518.66	-0.004078	6.14531	102.695	-0.010313
8.58182	99.8155	115.317	982.502	1519.2	-0.004078	6.20469	102.498	-0.011583
8.58262	99.9526	114.83	982.159	1520.02	0.02038	6.23125	102.202	-0.011583
8.58362	99.9526	115.866	981.702	1518.93	-0.004078	6.22219	102.498	-0.011663
8.58462	99.8155	115.317	981.702	1517.84	-0.057065	6.22344	102.004	-0.013125
8.58562	99.6785	115.042	981.816	1519.48	-0.004078	6.22469	102.399	-0.0125
8.58662	99.6785	115.317	982.388	1519.2	-0.004078	6.22469	103.238	-0.010313
8.58762	99.5414	115.317	982.045	1519.75	-0.004078	6.22219	102.498	-0.012188
8.58862	99.6785	115.179	982.045	1520.3	-0.004078	6.22344	102.449	-0.011875
8.58962	99.6785	115.179	981.702	1519.34	-0.016304	6.21812	102.449	-0.011875
8.59062	99.5414	115.317	981.702	1519.61	0.038685	6.21844	102.202	-0.012188
8.59162	99.6785	115.317	982.159	1519.48	-0.008152	6.21969	102.202	-0.011663
8.59262	100.384	115.179	981.702	1519.34	-0.004078	6.21969	102.498	-0.010938
8.59362	98.9933	114.768	982.159	1520.43	-0.004078	6.21594	102.399	-0.01125
8.59462	99.8155	115.591	982.159	1519.2	-0.004078	6.21812	102.695	-0.010938
8.59562	99.8155	115.179	982.844	1518.66	-0.024456	6.21719	102.202	-0.011583
8.59662	99.5414	115.591	981.474	1518.66	-0.008152	6.21937	102.054	-0.013438
8.59762	99.9526	115.591	981.931	1519.2	-0.004078	6.22158	102.695	-0.0125
8.59862	99.9526	115.317	982.159	1519.81	-0.004078	6.21438	102.597	-0.014063
8.59962	99.2673	115.042	982.388	1519.2	-0.004078	6.18969	102.498	-0.011875
8.60062	99.9526	115.591	982.502	1518.93	-0.008152	6.18719	102.202	-0.010825
8.60162	99.9526	115.866	982.159	1519.2	0.032809	6.15062	102.399	-0.010938
8.60262	99.5414	115.729	981.702	1518.66	-0.004078	6.21158	102.449	-0.010313
8.60362	99.6785	115.591	982.045	1519.48	-0.004078	6.22906	102.498	-0.011583
8.60462	99.9526	115.591	982.159	1520.02	-0.004078	6.22344	102.498	-0.011583
8.60562	99.5414	115.317	982.388	1519.07	-0.004078	6.22813	102.498	-0.012813
8.60662	99.6785	115.317	982.388	1518.66	-0.012228	6.22563	102.449	-0.010313
8.60762	99.8155	115.317	981.702	1518.93	-0.004078	6.22469	102.202	-0.012813
8.60862	99.6785	115.317	981.931	1519.07	-0.004078	6.22406	102.498	-0.013438
8.60962	99.6785	115.179	982.045	1519.34	-0.02038	6.22219	102.597	-0.011583
8.61062	99.4044	115.317	982.159	1518.79	-0.008152	6.22531	102.646	-0.011583
8.61162	100.227	114.768	981.702	1518.79	-0.004078	6.21969	102.498	-0.01125
8.61262	99.8155	115.729	981.702	1519.07	-0.004078	6.22219	102.202	-0.0125
8.61362	99.6785	115.317	982.159	1518.66	-0.004078	6.22094	102.202	-0.011875
8.61462	99.6785	115.317	981.702	1519.2	-0.012228	6.21969	102.597	-0.011583
8.61562	99.8155	115.866	981.474	1520.02	-0.012228	6.21969	102.202	-0.011583
8.61662	99.9526	115.042	982.816	1518.66	-0.004078	6.22158	102.202	-0.01125
8.61762	99.8155	115.591	982.816	1519.07	-0.004078	6.22094	102.202	-0.008125
8.61862	99.9526	115.317	981.245	1518.66	-0.004078	6.22094	102.597	-0.012813
8.61962	100.384	114.768	982.388	1519.48	-0.004078	6.20844	102.745	-0.010938
8.62062	99.6785	115.179	981.702	1519.48	-0.004078	6.18344	102.547	-0.010825
8.62162	99.6785	115.317	982.388	1518.48	0.044837	6.16313	102.399	-0.01125
8.62262	99.8155	114.768	982.159	1518.66	-0.004078	6.15188	102.399	-0.011875
8.62362	99.6785	115.317	982.816	1519.48	0.036665	6.21969	102.498	-0.010938
8.62462	99.9526	115.317	982.273	1519.81	-0.004078	6.22719	102.399	-0.010938
8.62562	99.6785	115.317	982.159	1519.2	-0.004078	6.22906	102.498	-0.011583
8.62662	99.9526	115.729	981.931	1519.61	-0.008152	6.22875	102.498	-0.011583
8.62762	99.6785	115.317	982.159	1518.11	-0.004078	6.22906	102.202	-0.013438
8.62862	99.8155	115.317	982.502	1518.25	-0.004078	6.2275	102.399	-0.009375
8.62962	99.6785	115.591	982.045	1517.58	-0.012228	6.22531	102.597	-0.011583
8.63062	99.8155	115.317	982.045	1518.66	-0.004078	6.22469	102.695	-0.012813
8.63162	99.9526	114.905	982.045	1518.66	-0.004078	6.22062	102.202	-0.011583

8.63282	99.4044	115.317	981.931	1518.93	-0.004076	6.22469	102.398	-0.012813
8.63382	99.8155	115.317	981.702	1519.48	-0.02038	6.22408	102.498	-0.011563
8.63482	99.8785	115.317	982.045	1518.86	-0.004076	6.22187	102.35	-0.010825
8.63582	99.9528	115.868	981.245	1518.88	0.024456	6.22531	102.449	-0.010825
8.63682	99.8155	115.317	982.159	1519.2	-0.004076	6.22094	102.202	-0.011563
8.63782	99.8155	115.317	982.159	1519.34	-0.004076	6.22219	102.35	-0.012188
8.63882	99.8785	115.591	982.388	1518.11	-0.004078	6.22158	102.547	-0.011563
8.63982	99.8785	115.317	983.073	1518.86	-0.004076	6.22158	102.498	-0.009063
8.64082	99.8155	115.317	982.388	1518.38	-0.004076	6.20968	102.399	-0.015625
8.64182	99.9528	115.042	981.816	1519.07	-0.024458	6.18084	102.35	-0.011875
8.64282	99.8155	115.591	982.616	1518.86	0.024458	6.18313	102.202	-0.011875
8.64382	99.8785	115.317	982.388	1519.07	-0.004076	6.14937	102.202	-0.010313
8.64482	99.4044	115.179	982.388	1519.2	-0.004076	6.22219	102.152	-0.012813
8.64582	99.8785	115.317	982.159	1518.86	-0.008152	6.22989	102.202	-0.011563
8.64682	99.5414	115.317	981.474	1519.07	0.028532	6.22489	102.449	-0.011875
8.64782	99.8155	115.868	981.702	1518.93	-0.004076	6.22489	102.103	-0.011875
8.64882	99.8155	115.317	982.045	1519.61	-0.004076	6.22489	102.103	-0.011563
8.64982	99.1303	115.317	981.931	1518.52	-0.004078	6.22408	102.202	-0.010313
8.65082	99.8155	115.317	982.159	1518.52	-0.004076	6.22408	102.202	-0.00875
8.65182	99.8785	115.317	981.588	1518.52	0.02098	6.22187	102.202	-0.012188
8.65282	99.9528	115.042	982.045	1518.93	-0.028532	6.21989	102.895	-0.01125
8.65382	99.9528	115.042	982.159	1519.07	-0.004076	6.22125	102.202	-0.012813
8.65482	99.9528	115.317	981.588	1518.86	-0.004076	6.21908	102.399	-0.012188
8.65582	100.227	114.905	982.159	1519.2	-0.004076	6.22094	102.399	-0.012188
8.65682	99.8155	115.179	981.931	1519.07	-0.004076	6.21719	102.202	-0.0125
8.65782	100.501	114.905	981.816	1518.38	0.040761	6.21844	102.399	-0.011875
8.65882	99.8785	115.317	981.931	1518.52	-0.004078	6.21908	102.054	-0.012188
8.65982	99.9528	115.729	982.159	1519.88	0.02038	6.21908	102.202	-0.012188
8.66082	99.9528	115.591	981.131	1518.38	-0.012228	6.21989	102.399	-0.011563
8.66182	99.9528	115.317	982.844	1518.86	-0.012228	6.20989	102.202	-0.00875
8.66282	99.9528	115.179	982.045	1519.07	-0.012228	6.18313	102.498	-0.012813
8.66382	99.9528	115.317	981.931	1517.97	-0.012228	6.18344	102.399	-0.010938
8.66482	99.2873	115.317	982.388	1518.86	-0.004076	6.14969	102.498	-0.010825
8.66582	99.9528	114.768	981.931	1518.79	-0.004076	6.22989	102.399	-0.012188
8.66682	99.8155	115.317	982.388	1518.86	-0.004076	6.22584	102.202	-0.010313
8.66782	99.8155	115.317	982.045	1519.48	-0.004076	6.22408	102.202	-0.010938
8.66882	99.9528	115.317	981.931	1518.11	-0.004076	6.22887	102.202	-0.010938
8.66982	99.4044	115.317	982.159	1518.52	-0.004076	6.22563	102.202	-0.010938
8.67082	99.8785	115.317	982.159	1519.75	-0.004076	6.22469	102.399	-0.010938
8.67182	98.8582	115.317	982.388	1518.86	-0.004076	6.22312	102.202	-0.010313
8.67282	99.8785	115.317	982.159	1518.38	-0.004076	6.21989	102.202	-0.010825
8.67382	99.8155	115.317	981.702	1518.11	-0.004076	6.22094	102.202	-0.014063
8.67482	100.09	115.042	982.045	1518.86	-0.004078	6.21989	102.745	-0.011563
8.67582	99.8155	115.317	982.159	1518.86	0.02038	6.22408	102.202	-0.012188
8.67682	99.8528	115.178	981.702	1518.93	-0.004076	6.22344	102.399	-0.012188
8.67782	100.227	115.042	982.502	1519.2	-0.004076	6.22375	102.202	-0.010313
8.67882	99.8155	115.591	982.388	1518.11	-0.004076	6.22219	102.399	-0.01125
8.67982	99.8155	115.317	981.931	1518.11	-0.004076	6.22158	102.202	-0.010825
8.68082	99.8155	115.042	982.388	1518.86	-0.004076	6.22082	102.399	-0.013438
8.68182	99.8155	115.317	981.702	1519.61	-0.004076	6.22219	102.399	-0.011875
8.68282	99.8155	115.179	981.588	1517.58	-0.004076	6.21158	102.202	-0.011563
8.68382	99.4044	115.317	982.388	1518.38	-0.004076	6.18531	102.399	-0.008438

8.68463	99.4044	115.317	981.931	1518.52	-0.004076	6.16219	102.152	-0.01125
8.68563	99.8155	115.317	981.474	1518.11	-0.004076	6.15856	102.202	-0.011563
8.68663	99.8155	115.454	982.045	1519.2	-0.004076	6.23438	102.893	-0.012813
8.68763	99.8155	115.179	981.702	1518.38	-0.004076	6.22531	102.202	-0.013125
8.68863	99.8155	115.317	981.702	1518.66	-0.004076	6.22719	102.202	-0.012188
8.68963	99.9526	115.866	981.702	1518.66	-0.004076	6.22312	102.399	-0.01125
8.69063	99.9526	115.866	981.931	1518.93	0.040761	6.22344	102.202	-0.010313
8.69163	99.9526	115.317	982.159	1518.38	0.02038	6.22406	102.202	-0.011563
8.69263	99.8155	115.317	982.159	1518.66	-0.004076	6.22344	102.152	-0.011563
8.69363	99.6785	115.317	981.931	1518.11	-0.004076	6.22312	102.004	-0.012813
8.69463	99.8155	115.317	982.616	1518.11	-0.004076	6.21969	102.202	-0.009375
8.69563	99.9526	115.317	981.474	1518.11	-0.004076	6.21969	102.152	-0.012813
8.69663	100.227	115.179	981.702	1518.38	-0.004076	6.22312	102.399	-0.010313
8.69763	99.6785	115.179	982.159	1518.38	-0.004076	6.21906	102.449	-0.0125
8.69863	99.9526	115.591	981.245	1518.11	-0.004076	6.22156	102.202	-0.012813
8.69963	99.4044	115.179	982.388	1518.38	-0.004076	6.22469	102.202	-0.010313
8.70063	99.9526	116.141	981.474	1518.66	-0.004076	6.22156	102.202	-0.010313
8.70163	99.8155	115.317	982.159	1518.66	-0.004076	6.22344	102.152	-0.01125
8.70263	99.8155	115.317	981.931	1518.38	-0.012228	6.22156	102.152	-0.011563
8.70363	99.9526	115.317	981.816	1519.61	0.02038	6.20531	102.202	-0.013438
8.70463	99.6785	115.317	981.931	1517.84	-0.012228	6.17844	102.202	-0.010625
8.70563	99.9526	115.729	981.931	1518.38	-0.004076	6.15694	102.103	-0.011563
8.70663	99.9526	115.179	982.159	1518.25	-0.004076	6.15188	102.202	-0.012188
8.70763	99.9526	115.317	981.816	1518.38	-0.004076	6.22531	102.103	-0.012813
8.70863	99.9526	115.317	982.159	1518.38	-0.004076	6.22219	102.547	-0.010938
8.70963	99.9526	115.454	981.588	1518.38	-0.004076	6.22156	102.202	-0.010625
8.71063	99.9526	115.179	982.159	1518.38	-0.004076	6.22312	102.103	-0.011563
8.71163	99.9526	115.317	981.702	1518.66	-0.004076	6.21969	102.152	-0.012188
8.71263	99.9526	115.591	981.931	1518.66	-0.004076	6.22219	102.103	-0.012188
8.71363	99.9526	115.179	982.388	1518.66	-0.004076	6.21937	102.202	-0.012188
8.71463	99.6785	115.317	981.474	1518.52	-0.012228	6.21844	102.202	-0.012813
8.71563	99.9526	115.317	981.702	1517.84	-0.004076	6.21594	102.103	-0.012188
8.71663	99.9526	115.317	982.73	1518.66	-0.004076	6.21937	102.103	-0.008438
8.71763	99.9526	115.317	982.045	1517.7	-0.004076	6.21937	102.202	-0.011875
8.71863	99.8155	115.317	982.045	1517.84	-0.02038	6.21719	102.202	-0.010938
8.71963	100.384	115.042	981.931	1518.11	-0.004076	6.21906	102.547	-0.010313
8.72063	100.227	115.042	981.36	1518.38	-0.004076	6.21719	102.202	-0.012813
8.72163	99.5414	115.317	982.159	1518.66	0.02038	6.22344	102.202	-0.012188
8.72263	99.6785	115.691	981.702	1517.84	-0.004076	6.21812	101.955	-0.012813
8.72363	99.6785	115.042	981.702	1518.38	0.048913	6.22094	102.054	-0.010938
8.72463	99.6785	114.768	981.245	1517.84	-0.012228	6.21031	102.202	-0.01125
8.72563	99.9526	114.768	982.159	1519.2	-0.004076	6.1825	102.202	-0.011563
8.72663	99.6785	115.179	982.502	1518.52	-0.004076	6.16094	102.054	-0.011875
8.72763	99.5414	115.691	981.588	1518.38	-0.004076	6.14719	101.955	-0.01125
8.72863	99.1303	115.317	981.816	1517.84	-0.004076	6.21219	102.004	-0.012813
8.72963	100.09	115.317	981.702	1518.11	-0.004076	6.22719	102.35	-0.012188
8.73063	99.9526	115.729	981.816	1517.84	-0.004076	6.22187	102.004	-0.012813
8.73163	99.4044	115.317	982.045	1518.11	0.02038	6.22281	101.908	-0.011563
8.73263	99.8155	115.317	981.474	1518.52	0.02038	6.22406	102.152	-0.010938
8.73363	99.6785	115.179	982.159	1518.52	-0.004076	6.22094	102.202	-0.008063
8.73463	99.9526	115.729	981.588	1518.38	-0.004076	6.22125	102.004	-0.012188
8.73563	99.9526	115.866	981.702	1518.11	-0.004076	6.21969	102.202	-0.010313

8.73663	99.9528	115.317	982.159	1518.93	-0.004076	8.21812	102.103	-0.011563
8.73763	99.9526	116.729	981.474	1517.56	-0.012228	8.21625	102.152	-0.010313
8.73863	99.8785	115.317	981.702	1518.25	-0.004076	8.21469	102.004	-0.012188
8.73963	99.9528	115.317	981.702	1517.56	-0.004076	8.21469	101.807	-0.014063
8.74063	100.227	114.788	981.588	1518.38	-0.004076	8.21844	102.202	-0.0125
8.74163	99.9528	115.317	982.159	1518.38	-0.004076	8.21781	102.895	-0.01125
8.74263	99.4044	115.317	981.588	1517.84	-0.004076	8.21989	102.202	-0.012813
8.74363	99.8785	115.317	981.588	1517.84	-0.004076	8.21875	102.152	-0.011563
8.74463	100.227	115.042	981.474	1518.11	-0.004076	8.21908	102.054	-0.011563
8.74563	99.8155	115.317	981.588	1518.11	0.052989	8.21469	102.103	-0.011563
8.74663	99.9526	115.317	981.702	1518.38	-0.004076	8.18489	102.103	-0.012188
8.74763	100.384	114.63	981.816	1518.52	-0.004076	8.16344	101.856	-0.012813
8.74863	99.9526	115.317	982.159	1519.07	-0.004076	8.14719	102.054	-0.011563
8.74963	99.8785	115.729	981.931	1518.11	-0.004076	8.2175	101.907	-0.010938
8.75063	100.384	115.179	981.131	1517.56	-0.02038	8.22687	101.907	-0.012813
8.75163	99.4044	115.317	981.017	1517.56	-0.004076	8.22219	101.807	-0.011563
8.75263	99.8155	115.042	981.931	1518.38	-0.012228	8.22594	102.202	-0.010938
8.75363	99.8785	115.317	981.245	1517.84	-0.004076	8.22312	101.908	-0.012188
8.75463	99.9528	115.317	982.159	1518.11	0.024456	8.22719	101.955	-0.011563
8.75563	99.9526	115.317	981.702	1518.52	-0.004076	8.22125	101.807	-0.012188
8.75663	99.9526	115.317	982.045	1518.38	-0.004076	8.21906	102.202	-0.01125
8.75763	99.8155	115.317	982.159	1518.11	0.024456	8.2175	102.152	-0.012813
8.75863	99.4044	115.317	981.702	1518.66	-0.004076	8.21781	101.807	-0.010938
8.75963	99.8785	115.317	982.159	1518.38	-0.004076	8.21937	101.708	-0.011563
8.76063	99.4044	115.317	981.931	1517.97	-0.004076	8.21937	102.103	-0.010938
8.76163	99.8785	115.042	981.245	1517.56	-0.02038	8.21469	101.856	-0.012188
8.76263	99.8155	115.179	981.702	1517.84	-0.004076	8.21688	102.054	-0.014063
8.76363	100.501	114.905	982.045	1517.84	-0.004076	8.21937	102.547	-0.010938
8.76463	99.9528	115.317	982.159	1518.38	0.024456	8.21989	101.807	-0.011563
8.76563	99.9528	115.179	981.702	1518.25	-0.004076	8.22344	102.152	-0.010625
8.76663	99.8155	115.042	981.931	1518.11	-0.004076	8.21406	101.956	-0.010938
8.76763	99.8155	115.729	981.816	1518.66	0.069299	8.18781	102.103	-0.010313
8.76863	99.9526	116.317	981.702	1517.84	-0.004076	8.16594	101.956	-0.012188
8.76963	100.384	114.788	981.702	1518.25	-0.004076	8.14781	102.004	-0.010938
8.77063	99.8785	115.317	981.931	1518.38	-0.004076	8.21312	101.758	-0.012188
8.77163	99.9526	115.317	981.931	1517.84	-0.004076	8.22719	102.103	-0.011875
8.77263	100.227	115.317	980.789	1518.2	-0.036685	8.21908	101.412	-0.014688
8.77363	99.9528	115.179	981.474	1517.56	-0.004076	8.22531	101.807	-0.012813
8.77463	99.9528	115.317	982.159	1518.38	-0.004076	8.22469	102.496	-0.012188
8.77563	99.9528	115.179	981.702	1517.84	-0.004076	8.22469	101.856	-0.012813
8.77663	99.9526	115.317	981.245	1518.11	0.02038	8.22219	102.103	-0.010938
8.77763	99.9528	115.317	981.931	1518.11	-0.012228	8.21844	102.004	-0.012188
8.77863	99.9528	115.317	981.931	1518.38	0.024456	8.21989	102.103	-0.012813
8.77963	99.4044	115.317	981.816	1518.52	-0.004076	8.21594	102.054	-0.010313
8.78063	100.227	115.317	981.702	1518.11	-0.004076	8.21781	101.906	-0.0125
8.78163	99.8785	115.317	981.702	1517.84	-0.008152	8.21656	102.103	-0.011875
8.78263	99.9526	114.905	981.245	1517.97	-0.004076	8.21844	102.054	-0.010938
8.78363	99.9528	115.042	981.245	1518.47	-0.024456	8.21469	101.56	-0.014688
8.78463	99.9528	115.317	981.245	1517.58	-0.008152	8.21719	102.202	-0.012813
8.78563	99.8785	115.317	981.245	1517.29	-0.004076	8.21908	102.547	-0.012188
8.78663	99.9528	115.317	981.816	1518.11	-0.004076	8.22094	101.906	-0.010625
8.78763	99.9528	115.317	982.159	1518.38	0.044837	8.20989	101.955	-0.013125

8.78863	89.9526	115.317	982.159	1517.84	-0.004076	6.18344	101.807	-0.012813
8.78963	89.9526	115.317	981.474	1517.56	-0.004076	6.15969	101.906	-0.011875
8.79063	89.9526	115.317	981.474	1517.84	-0.004076	6.14489	102.004	-0.011875
8.79163	89.8155	115.317	981.474	1517.56	-0.004076	6.20469	101.708	-0.010825
8.79263	100.227	115.866	981.474	1517.56	-0.004076	6.22406	102.004	-0.012188
8.79363	89.8155	115.591	982.273	1517.02	-0.008152	6.21969	101.955	-0.010938
8.79463	89.9526	115.317	981.245	1517.02	-0.036685	6.22125	101.859	-0.014688
8.79563	100.501	115.042	981.245	1517.29	-0.004076	6.22219	101.807	-0.014063
8.79663	89.9526	115.454	982.159	1517.56	-0.004076	6.22219	102.152	-0.010938
8.79763	89.8155	115.317	981.931	1518.11	-0.004076	6.21969	101.807	-0.011583
8.79863	89.9526	115.317	981.816	1517.56	-0.004076	6.21969	102.152	-0.010938
8.79963	89.8155	115.591	981.245	1518.74	-0.004076	6.21594	102.054	-0.012813
8.80063	89.9526	115.179	981.702	1518.47	-0.004076	6.21408	101.955	-0.011563
8.80163	89.9526	115.179	981.702	1517.29	-0.004076	6.21906	101.955	-0.011563
8.80263	89.5414	115.179	982.159	1518.88	-0.004076	6.21688	102.152	-0.010313
8.80363	89.9526	115.866	981.017	1518.11	-0.02038	6.21719	102.004	-0.012188
8.80463	89.6785	115.454	981.931	1517.56	-0.004076	6.21719	101.807	-0.013438
8.80563	89.6785	115.179	981.474	1518.06	-0.052989	6.21408	101.215	-0.015313
8.80663	89.8155	115.317	981.474	1517.56	-0.004076	6.21906	101.906	-0.012813
8.80763	89.9526	116.003	981.017	1517.29	-0.004076	6.21719	101.906	-0.012813
8.80863	89.8155	115.317	982.045	1517.29	-0.004076	6.21344	101.807	-0.011875
8.80963	89.9526	115.179	982.045	1517.84	-0.004076	6.18969	101.955	-0.010938
8.81063	89.9526	115.591	981.816	1517.29	-0.004076	6.16437	101.58	-0.01125
8.81163	89.6785	115.317	982.159	1517.97	-0.004076	6.14658	101.955	-0.011583
8.81263	100.227	115.591	981.931	1517.15	-0.004076	6.19644	101.955	-0.010313
8.81363	89.9526	115.591	981.702	1517.02	-0.004076	6.22719	101.807	-0.012188
8.81463	89.6785	115.591	981.816	1517.02	-0.008152	6.21719	101.807	-0.01375
8.81563	100.09	115.729	981.474	1517.02	-0.004076	6.22219	101.708	-0.011875
8.81663	100.501	115.042	982.616	1517.02	-0.004076	6.22219	101.758	-0.009083
8.81763	89.9526	114.788	981.245	1517.15	-0.004076	6.21969	101.61	-0.011875
8.81863	100.09	115.317	981.702	1517.29	-0.004076	6.22094	102.152	-0.010313
8.81964	89.6785	115.317	982.045	1517.84	-0.004076	6.21906	101.511	-0.010313
8.82064	89.6785	115.591	981.702	1517.84	0.02038	6.21658	101.56	-0.012188
8.82164	100.364	114.788	981.702	1517.02	-0.004076	6.21781	101.61	-0.011563
8.82264	89.9526	115.179	981.702	1517.58	0.024456	6.21688	101.511	-0.012813
8.82364	89.8155	115.317	982.045	1517.43	-0.004076	6.21594	101.412	-0.013438
8.82464	89.9526	115.317	981.702	1517.58	-0.008152	6.21781	101.61	-0.011875
8.82564	89.9526	115.317	981.702	1518.11	0.016304	6.21844	101.412	-0.011875
8.82664	89.9526	115.317	982.159	1517.02	-0.004076	6.21969	101.61	-0.011563
8.82764	89.9526	115.317	981.474	1518.47	-0.02038	6.21594	101.412	-0.008438
8.82864	89.9526	114.788	981.017	1517.02	-0.004076	6.21594	101.314	-0.013438
8.82964	89.9526	115.317	981.931	1517.43	-0.004076	6.21594	102.202	-0.01125
8.83064	100.227	114.788	981.245	1517.58	-0.004076	6.19168	101.511	-0.010313
8.83164	89.9526	115.317	981.245	1517.43	0.028532	6.16908	101.58	-0.012813
8.83264	100.638	114.788	981.245	1517.43	-0.004076	6.14408	101.412	-0.011563
8.83364	89.9526	115.317	982.159	1517.15	0.028532	6.18844	101.462	-0.010313
8.83464	100.227	115.591	981.702	1517.02	0.024456	6.23219	101.708	-0.012813
8.83564	89.9526	115.317	982.045	1517.7	-0.012228	6.21906	101.61	-0.010825
8.83664	89.9526	115.317	981.702	1517.43	-0.004076	6.22281	101.363	-0.011563
8.83764	89.9526	115.317	981.36	1517.02	-0.004076	6.21969	101.511	-0.011875
8.83864	89.9526	115.317	982.73	1517.58	-0.008152	6.21969	101.511	-0.009063
8.83964	89.9526	115.317	981.245	1517.29	-0.004076	6.22094	101.412	-0.015313

8.84064	100.227	115.317	981.816	1517.43	-0.004076	6.21719	101.383	-0.012188
8.84164	99.9528	115.317	981.702	1517.29	-0.004078	6.21719	101.708	-0.011583
8.84264	99.9528	115.317	981.588	1516.47	-0.004078	6.21625	101.708	-0.012188
8.84364	99.9528	115.317	981.245	1516.88	-0.004076	6.21594	101.462	-0.010313
8.84464	99.9528	115.317	981.931	1516.47	-0.004076	6.21656	101.383	-0.011583
8.84564	99.9528	115.317	981.931	1517.56	-0.004078	6.21719	101.412	-0.011875
8.84664	99.9528	115.317	981.588	1517.29	-0.004076	6.21489	101.412	-0.011583
8.84764	99.9528	115.317	981.931	1518.38	-0.004076	6.21625	101.708	-0.010313
8.84864	100.09	115.868	981.245	1516.47	-0.004078	6.21489	101.511	-0.012813
8.84964	99.8155	115.317	982.045	1517.02	-0.004078	6.21812	101.264	-0.009375
8.85064	99.2873	115.317	981.245	1517.02	-0.004076	6.21656	101.412	-0.011583
8.85164	99.8785	115.317	981.245	1517.02	-0.004076	6.19219	101.856	-0.011875
8.85264	99.9528	115.317	981.702	1516.47	0.02038	6.19908	101.188	-0.011583
8.85364	99.8155	115.317	981.245	1516.47	-0.004078	6.14989	101.314	-0.011583
8.85464	99.5414	115.591	982.159	1516.47	-0.004076	6.17719	101.314	-0.010938
8.85564	99.9528	115.317	982.616	1516.74	-0.004076	6.23219	101.412	-0.011583
8.85664	99.6785	115.179	981.702	1517.02	0.061141	6.21438	101.81	-0.011583
8.85764	99.9528	115.591	982.388	1517.02	-0.004078	6.21844	101.412	-0.011583
8.85864	100.227	114.788	981.931	1517.56	-0.004076	6.21656	101.383	-0.010313
8.85964	99.8155	114.788	981.702	1516.47	-0.004078	6.21888	101.58	-0.010938
8.86064	99.9528	115.317	982.844	1517.15	-0.004076	6.21656	101.412	-0.008125
8.86164	99.9528	115.317	981.816	1515.93	-0.004076	6.21375	101.412	-0.012813
8.86264	99.8155	115.591	981.702	1517.29	0.032609	6.21489	101.708	-0.010938
8.86364	99.9528	115.317	981.816	1516.47	-0.004076	6.21082	101.807	-0.011583
8.86464	100.227	115.868	982.159	1516.88	-0.004076	6.21312	101.81	-0.012813
8.86564	99.8155	115.729	981.474	1516.88	-0.004078	6.21344	101.412	-0.011583
8.86664	99.8155	115.591	981.131	1516.47	-0.004076	6.21094	101.511	-0.010313
8.86764	99.9528	115.179	981.702	1517.43	0.052989	6.21281	101.482	-0.011583
8.86864	100.227	115.042	981.702	1517.02	-0.004076	6.21406	101.412	-0.010938
8.86964	99.9528	116.141	981.474	1517.56	-0.004076	6.21219	101.81	-0.010938
8.87064	99.4044	115.042	981.474	1516.74	-0.004076	6.21344	101.412	-0.010938
8.87164	100.09	115.179	982.844	1516.47	-0.004076	6.21219	101.708	-0.010313
8.87264	99.9528	115.317	981.131	1516.74	-0.004078	6.18781	101.215	-0.013438
8.87364	99.9528	115.317	981.245	1516.47	-0.004076	6.16844	101.807	-0.01375
8.87464	100.227	114.788	981.702	1517.29	-0.004076	6.14844	101.264	-0.012813
8.87564	100.227	115.042	981.931	1516.88	-0.004078	6.15844	101.511	-0.012813
8.87664	99.9528	115.317	981.588	1516.88	-0.004078	6.22989	101.659	-0.010313
8.87764	99.2873	115.317	981.702	1516.34	-0.004076	6.21219	101.383	-0.012188
8.87864	99.8155	115.317	982.159	1517.15	-0.004078	6.21812	101.264	-0.011583
8.87964	99.9528	115.317	981.588	1516.2	-0.004076	6.21406	101.188	-0.012813
8.88064	99.9528	115.179	981.931	1517.97	-0.004078	6.21656	101.81	-0.011583
8.88164	99.8785	115.591	981.245	1515.93	-0.004076	6.21406	101.412	-0.012813
8.88264	100.227	115.317	982.045	1516.74	0.02038	6.21344	101.482	-0.009375
8.88364	99.8155	115.317	981.245	1516.34	-0.004078	6.21489	101.383	-0.0125
8.88464	99.9528	115.317	982.045	1516.88	-0.004078	6.21094	101.314	-0.011875
8.88564	99.9528	115.317	981.38	1516.47	0.02038	6.21469	101.116	-0.011583
8.88664	100.227	115.042	981.245	1516.34	-0.004076	6.21719	101.314	-0.01125
8.88764	99.8155	115.317	981.474	1516.74	-0.024456	6.21219	101.314	-0.012188
8.88864	100.501	116.179	981.816	1516.47	-0.004078	6.21344	101.188	-0.011583
8.88964	99.9528	115.591	981.931	1516.47	0.028532	6.21219	101.383	-0.011583
8.89064	99.9528	115.317	981.36	1516.47	-0.004076	6.21219	101.264	-0.009063
8.89164	99.8155	115.317	981.931	1517.29	-0.004076	6.21489	101.81	-0.010313

8.89284	99.9528	115.317	981.816	1516.34	-0.004078	6.21408	101.482	-0.010625
8.89354	100.227	115.042	981.702	1516.47	-0.004078	6.19969	101.215	-0.010625
8.89484	100.227	115.042	981.245	1516.2	-0.016304	6.17156	101.383	-0.011583
8.89584	99.9528	115.868	980.874	1515.93	-0.004078	6.16094	101.412	-0.011583
8.89684	99.8785	115.591	981.245	1516.47	-0.004078	6.14594	101.314	-0.010938
8.89784	99.9528	115.729	981.474	1516.74	-0.004078	6.22219	101.215	-0.013125
8.89884	99.4044	115.317	981.245	1516.34	-0.004078	6.21937	101.412	-0.012188
8.89984	100.227	115.591	981.702	1516.2	-0.004078	6.21719	101.284	-0.011583
8.90084	99.8155	115.042	981.245	1516.47	-0.004078	6.21812	101.383	-0.013125
8.90184	99.5414	115.317	981.245	1516.47	-0.012228	6.21844	101.215	-0.011583
8.90284	100.227	115.179	981.831	1517.97	-0.004078	6.21719	101.412	-0.010938
8.90384	99.8785	115.729	981.245	1516.38	-0.004078	6.21858	101.215	-0.01125
8.90484	99.9528	115.317	981.702	1516.93	-0.004078	6.21375	101.215	-0.009888
8.90584	99.8155	115.179	981.474	1516.47	-0.004078	6.20969	101.188	-0.010625
8.90684	99.8528	115.317	981.245	1516.2	-0.004078	6.21312	101.118	-0.01125
8.90784	100.501	115.868	981.474	1516.93	-0.004078	6.21408	101.215	-0.011875
8.90884	99.8155	115.317	981.588	1517.15	-0.004078	6.21219	101.215	-0.011583
8.90984	100.09	115.317	981.474	1516.47	-0.004078	6.21531	101.018	-0.013125
8.91084	100.227	115.868	980.903	1516.34	-0.004078	6.21094	101.118	-0.010938
8.91184	100.09	115.317	982.045	1516.74	0.036685	6.21582	101.018	-0.010938
8.91284	99.9528	115.317	981.702	1515.93	-0.004078	6.21858	101.215	-0.011875
8.91384	99.9528	115.317	981.245	1516.74	0.02038	6.21656	100.919	-0.011875
8.91484	99.9528	115.317	981.245	1515.85	-0.004078	6.20908	101.383	-0.011875
8.91584	99.9528	115.317	981.702	1516.2	-0.008152	6.17906	101.018	-0.009888
8.91684	100.227	115.317	981.588	1515.79	-0.004078	6.15989	100.988	-0.01125
8.91784	99.8155	115.317	981.245	1515.38	-0.012228	6.14469	101.188	-0.010938
8.91884	99.9528	115.317	981.245	1515.79	-0.004078	6.21825	101.383	-0.010938
8.91984	99.9528	115.317	981.588	1516.34	-0.004078	6.22437	100.82	-0.010313
8.92084	99.9528	115.868	981.131	1516.47	-0.004078	6.22312	101.087	-0.010938
8.92184	99.4044	115.179	981.474	1515.93	-0.004078	6.22082	101.087	-0.011583
8.92284	100.384	115.317	981.017	1516.2	-0.004078	6.21908	101.118	-0.0125
8.92384	99.8155	115.317	981.931	1515.93	-0.016304	6.21875	101.215	-0.012813
8.92484	100.09	115.464	981.245	1517.58	-0.004078	6.21969	101.018	-0.011583
8.92584	99.9528	115.179	981.245	1515.85	-0.004078	6.21408	100.919	-0.01125
8.92684	99.9528	115.179	981.931	1515.93	-0.004078	6.21489	101.018	-0.010313
8.92784	99.9528	115.591	981.931	1515.85	-0.008152	6.21489	101.018	-0.011875
8.92884	100.227	115.317	982.158	1516.47	0.02038	6.21344	101.118	-0.0125
8.92984	100.384	115.317	981.017	1515.38	-0.008152	6.21219	101.018	-0.010938
8.93084	100.775	115.042	981.017	1515.93	-0.004078	6.21281	100.919	-0.012813
8.93184	100.227	115.729	981.131	1515.93	-0.004078	6.21594	100.988	-0.010938
8.93284	99.9528	115.691	981.588	1516.34	0.02038	6.21408	100.771	-0.012813
8.93384	99.9528	115.317	981.931	1516.08	0.024458	6.21408	100.919	-0.012188
8.93484	99.9528	115.591	981.702	1515.38	-0.004078	6.21594	100.771	-0.010938
8.93584	99.8155	115.591	981.702	1517.02	-0.004078	6.21312	101.018	-0.010313
8.93684	99.9528	115.317	981.816	1516.85	-0.004078	6.18489	101.018	-0.011583
8.93784	99.9528	115.317	981.702	1515.11	-0.004078	6.15989	100.889	-0.010313
8.93884	99.9528	115.591	981.931	1515.85	-0.004078	6.13844	100.82	-0.012188
8.93984	99.9528	115.317	981.702	1515.93	-0.004078	6.19489	101.018	-0.011583
8.94084	99.8155	115.868	981.931	1516.2	-0.004078	6.22281	101.215	-0.010825
8.94184	100.501	115.868	981.017	1515.85	0.02038	6.21344	100.988	-0.011583
8.94284	100.227	115.591	981.474	1515.38	-0.004078	6.21719	101.018	-0.010938
8.94384	99.9528	115.317	981.474	1515.93	-0.004078	6.21281	100.919	-0.010313

8.94484	99.5414	115.454	981.38	1515.65	0.040761	6.21469	100.919	-0.011563
8.94564	99.9526	115.317	981.474	1515.85	-0.004076	6.21344	101.018	-0.011563
8.94684	100.227	115.866	980.56	1515.93	-0.004076	6.21094	100.868	-0.011563
8.94764	99.9526	115.317	981.702	1515.79	-0.004076	6.20969	101.168	-0.011875
8.94884	99.9526	115.317	981.474	1515.38	-0.004076	6.20937	101.067	-0.011563
8.94964	99.5785	115.317	981.245	1516.24	-0.036685	6.20969	100.82	-0.014063
8.95064	99.9526	115.317	981.245	1515.93	-0.004076	6.21219	101.018	-0.010625
8.95164	99.9526	114.788	981.245	1516.08	0.024456	6.21156	101.166	-0.010313
8.95264	99.9526	115.317	981.702	1516.79	-0.024456	6.21094	100.919	-0.011563
8.95384	99.9526	115.317	981.474	1515.85	-0.004076	6.21408	101.118	-0.01125
8.95484	99.8155	115.317	981.588	1515.38	-0.004076	6.21094	100.82	-0.011875
8.95584	99.9526	115.179	981.588	1516.47	0.032609	6.21469	100.919	-0.012188
8.95684	99.9526	115.042	981.588	1515.79	-0.028532	6.20844	100.968	-0.011563
8.95764	100.09	115.317	981.702	1517.02	-0.004076	6.18406	100.869	-0.011563
8.95865	99.6785	114.788	981.245	1515.38	-0.02036	6.18187	100.623	-0.012188
8.95965	99.9526	115.317	981.588	1514.56	-0.02036	6.14219	100.919	-0.010313
8.96065	99.6785	115.317	981.931	1515.65	-0.012228	6.17375	100.771	-0.011875
8.96165	99.9526	115.317	981.131	1515.38	-0.004076	6.22719	100.82	-0.012613
8.96265	99.8155	115.317	981.245	1515.65	0.032609	6.21062	101.067	-0.013125
8.96365	99.8155	115.317	981.702	1516.2	-0.004076	6.21644	100.771	-0.012613
8.96465	99.8155	115.317	981.245	1515.65	-0.004076	6.21781	101.168	-0.011563
8.96565	99.6785	115.317	981.245	1515.11	-0.008152	6.21656	100.968	-0.010938
8.96665	99.9526	115.317	981.245	1515.79	0.048913	6.21719	101.018	-0.01
8.96765	99.9526	115.179	981.245	1515.38	-0.012228	6.21094	100.82	-0.010938
8.96865	99.9526	115.317	981.702	1516.08	-0.012228	6.21344	100.623	-0.012188
8.96965	99.9526	115.317	981.245	1515.38	-0.004076	6.21219	100.82	-0.010313
8.97065	100.384	115.866	981.702	1515.85	-0.004076	6.21562	100.721	-0.010313
8.97165	100.501	115.317	980.332	1514.7	-0.024456	6.21094	100.475	-0.013125
8.97265	99.8155	115.317	981.131	1515.38	-0.004076	6.21125	100.524	-0.012188
8.97365	100.227	115.317	981.588	1516.47	0.028532	6.21406	101.215	-0.011563
8.97465	100.09	115.317	981.245	1516.2	-0.004076	6.21406	101.216	-0.010938
8.97565	99.8155	115.317	981.245	1515.93	-0.004076	6.21812	100.869	-0.010938
8.97665	99.8155	115.179	981.931	1516.38	-0.004076	6.21531	100.771	-0.011563
8.97765	99.6785	115.317	981.474	1515.52	0.044837	6.21094	100.82	-0.010625
8.97865	99.9526	115.317	981.702	1515.38	-0.004076	6.18969	100.919	-0.01125
8.97965	99.9526	114.905	981.702	1516.2	-0.004076	6.18344	100.721	-0.012613
8.98065	100.227	115.317	981.931	1516.65	-0.02036	6.14344	100.968	-0.011563
8.98165	99.9526	115.591	981.702	1515.52	-0.004076	6.16156	100.623	-0.012188
8.98265	100.227	115.317	981.702	1516.11	-0.008152	6.22531	100.623	-0.011563
8.98365	100.384	114.63	980.903	1514.7	-0.004076	6.21281	100.82	-0.01125
8.98465	99.9526	115.591	981.474	1515.93	-0.004076	6.21969	101.511	-0.010313
8.98565	100.227	115.317	981.474	1516.34	-0.004076	6.21969	100.82	-0.011563
8.98665	99.8155	115.317	981.474	1514.83	-0.004076	6.22187	100.919	-0.010938
8.98765	99.9526	115.317	981.245	1515.65	-0.004076	6.21312	101.018	-0.010938
8.98865	100.227	115.591	981.931	1515.38	0.061141	6.21408	100.475	-0.012613
8.98965	100.227	115.042	982.159	1515.24	-0.004076	6.21219	100.721	-0.011875
8.99065	100.501	114.788	981.245	1515.38	-0.004076	6.21156	100.623	-0.0125
8.99165	99.9526	115.317	981.474	1516.47	-0.004076	6.21281	101.018	-0.010938
8.99265	99.6785	115.317	981.474	1515.79	-0.004076	6.21344	100.82	-0.008688
8.99365	99.9526	115.317	980.56	1513.74	-0.036685	6.20969	100.228	-0.014688
8.99465	100.384	115.866	981.017	1514.29	-0.008152	6.21344	100.919	-0.012188
8.99565	99.9526	115.317	981.245	1515.11	0.02036	6.21219	101.168	-0.011875

8.99665	99.9526	115.317	981.702	1515.11	0.016304	6.21312	100.771	-0.012188
8.99765	100.364	115.729	981.245	1514.83	-0.004076	6.21219	100.82	-0.011563
8.99865	99.9526	115.179	981.017	1515.38	-0.004076	6.21489	100.823	-0.012188
8.99965	99.9526	115.317	981.816	1514.83	0.036885	6.19969	101.018	-0.012188
9.00065	99.9526	115.317	981.702	1515.38	-0.004076	6.17084	100.524	-0.012188
9.00165	99.9526	115.317	981.017	1515.24	-0.004076	6.14868	100.82	-0.011563
9.00265	99.9526	115.317	981.931	1514.83	-0.012228	6.14969	100.968	-0.011563
9.00365	100.09	115.317	981.702	1514.7	-0.004076	6.22489	100.919	-0.010313
9.00465	99.9526	115.179	981.588	1514.29	-0.016304	6.21219	100.524	-0.013436
9.00565	99.9526	115.317	981.017	1514.56	-0.012228	6.21562	100.771	-0.013436
9.00665	99.9526	115.317	981.245	1515.11	-0.012228	6.21844	101.215	-0.012813
9.00765	100.501	114.768	980.789	1516.11	-0.004076	6.21688	100.823	-0.011563
9.00865	100.501	114.768	981.245	1516.11	-0.004076	6.21969	100.919	-0.011563
9.00965	99.9526	115.317	981.245	1514.7	-0.004076	6.21219	100.919	-0.010938
9.01065	100.501	114.768	981.017	1514.83	-0.004076	6.21219	100.823	-0.011875
9.01165	99.9526	115.317	981.588	1514.29	-0.004076	6.21094	100.771	-0.012813
9.01265	99.5414	115.317	981.245	1515.11	-0.004076	6.20969	100.82	-0.014063
9.01365	99.9526	115.179	981.131	1515.11	-0.004076	6.21219	100.919	-0.010938
9.01465	99.9526	115.317	982.045	1515.24	0.02038	6.21344	100.968	-0.010938
9.01565	100.364	115.866	980.332	1513.19	-0.057065	6.20969	100.524	-0.012188
9.01665	99.9526	115.179	981.245	1514.83	-0.004076	6.21408	101.018	-0.013125
9.01765	100.227	115.317	981.588	1514.29	-0.004076	6.21312	101.284	-0.010313
9.01865	100.227	115.179	981.017	1515.11	-0.004076	6.21156	101.018	-0.01125
9.01965	100.364	115.729	981.702	1514.29	-0.004076	6.21375	100.82	-0.012813
9.02065	99.6785	115.317	981.474	1514.83	-0.004076	6.20156	100.968	-0.010313
9.02165	99.9526	115.179	981.588	1515.66	0.044837	6.17489	100.919	-0.011875
9.02265	100.09	115.317	981.588	1515.11	-0.004076	6.15489	100.968	-0.01125
9.02365	99.8155	115.317	981.474	1514.01	-0.004076	6.14344	100.82	-0.012188
9.02465	100.501	115.729	981.588	1515.93	-0.004076	6.21969	101.018	-0.011875
9.02565	99.9526	115.317	981.702	1514.29	-0.02038	6.21719	100.919	-0.012188
9.02665	99.9526	115.317	980.446	1513.74	-0.028532	6.21375	100.475	-0.014063
9.02765	99.9526	115.729	980.56	1514.7	-0.004076	6.21969	100.919	-0.013125
9.02865	99.8785	115.591	981.017	1514.7	-0.004076	6.21408	101.018	-0.012813
9.02965	99.9526	115.317	981.245	1515.38	-0.004076	6.21594	100.823	-0.013125
9.03065	99.9526	115.317	981.245	1515.52	-0.004076	6.21969	100.771	-0.012188
9.03165	100.501	115.866	981.245	1514.97	-0.004076	6.21094	100.823	-0.011563
9.03265	100.227	115.317	981.931	1515.38	0.016304	6.21489	101.018	-0.010625
9.03365	99.9526	115.317	980.789	1515.24	-0.004076	6.21062	100.968	-0.012188
9.03465	100.227	115.317	981.588	1515.38	-0.004076	6.21312	100.968	-0.012188
9.03565	100.364	115.866	981.245	1515.11	-0.012228	6.21281	100.899	-0.011875
9.03665	99.9526	115.179	981.017	1513.74	-0.024456	6.21219	100.82	-0.011563
9.03765	99.9526	115.317	982.169	1514.7	-0.012228	6.20969	100.823	-0.008438
9.03865	99.9526	115.179	980.332	1514.29	-0.012228	6.20969	100.82	-0.012188
9.03965	99.9526	115.591	981.245	1516.11	0.02038	6.20969	100.771	-0.013438
9.04065	99.9526	115.179	981.474	1514.83	0.02038	6.21281	100.899	-0.010938
9.04165	99.6785	115.317	981.245	1515.24	-0.004076	6.20344	100.82	-0.012188
9.04265	99.9526	115.317	981.474	1516.11	0.032809	6.17489	100.82	-0.010938
9.04365	99.9526	115.317	981.017	1514.83	-0.004076	6.15375	100.82	-0.012188
9.04465	100.838	115.179	981.474	1514.83	-0.004076	6.13969	100.721	-0.012813
9.04565	100.227	114.905	981.245	1515.24	-0.008152	6.20781	100.82	-0.011563
9.04665	99.9526	115.179	981.245	1515.66	-0.004076	6.21969	100.919	-0.0125
9.04765	99.9526	115.317	981.474	1514.29	-0.004076	6.21489	100.899	-0.011563

9.04885	99.9526	115.591	981.816	1514.56	-0.024456	6.21469	100.623	-0.011875
9.04985	99.9526	115.179	981.245	1514.29	-0.004076	6.21489	100.721	-0.011563
9.05085	100.227	115.729	981.131	1514.56	-0.004076	6.21844	101.215	-0.010938
9.05185	99.9526	115.317	981.245	1514.83	-0.004076	6.21562	100.524	-0.010313
9.05285	99.9526	115.317	981.245	1514.29	-0.004076	6.21531	100.672	-0.010313
9.05385	100.227	115.042	981.702	1514.56	-0.004076	6.21187	100.623	-0.012813
9.05485	99.9526	115.317	981.131	1514.29	-0.004076	6.20969	100.82	-0.012188
9.05585	100.501	114.768	981.245	1514.83	-0.004076	6.21187	100.721	-0.012813
9.05685	99.9526	115.591	981.245	1514.29	-0.012228	6.20969	100.771	-0.012188
9.05785	99.6785	115.317	981.245	1514.29	-0.004076	6.20937	100.623	-0.01125
9.05885	99.9526	115.179	981.131	1514.7	-0.012228	6.21094	100.672	-0.01125
9.05985	100.227	115.317	982.616	1514.7	-0.004076	6.21094	100.771	-0.008438
9.06085	99.9526	115.179	980.332	1514.29	-0.004076	6.21344	100.623	-0.012188
9.06185	99.6785	114.905	980.789	1514.29	-0.004076	6.21469	100.623	-0.011563
9.06285	100.227	115.591	981.245	1514.83	-0.004076	6.20469	100.869	-0.0126
9.06385	99.9526	115.179	981.702	1514.29	-0.004076	6.18219	100.771	-0.011563
9.06485	99.9526	115.317	980.789	1514.01	-0.004076	6.15656	100.179	-0.013125
9.06585	99.9526	115.591	981.588	1514.29	-0.004076	6.14156	100.475	-0.012188
9.06685	100.384	115.317	981.245	1514.29	0.024456	6.19662	100.425	-0.01126
9.06785	99.9526	115.179	981.245	1514.29	-0.012228	6.22469	100.623	-0.011563
9.06885	99.9526	115.317	981.245	1515.93	-0.004076	6.21594	100.623	-0.009688
9.06985	99.9526	115.591	981.816	1513.88	-0.004076	6.21906	100.623	-0.010938
9.07085	99.9526	115.317	982.388	1514.29	-0.004076	6.21781	100.623	-0.009688
9.07185	100.384	115.729	980.56	1513.74	-0.004076	6.21844	100.475	-0.011875
9.07285	100.384	115.868	980.903	1514.29	-0.004076	6.21719	101.166	-0.011563
9.07385	100.227	115.317	981.017	1514.29	-0.004076	6.21531	100.277	-0.0126
9.07485	100.227	115.317	981.017	1514.01	-0.004076	6.21856	100.524	-0.012188
9.07585	99.4044	115.179	981.245	1514.29	-0.004076	6.21469	100.623	-0.011563
9.07685	99.9526	115.179	981.474	1514.29	0.02038	6.21812	100.425	-0.011563
9.07785	100.501	114.905	981.131	1514.29	-0.004076	6.21469	100.425	-0.012188
9.07885	100.501	114.905	981.245	1514.01	-0.004076	6.21406	100.425	-0.01125
9.07985	99.9526	115.317	981.474	1514.29	-0.008152	6.21312	100.425	-0.011563
9.08085	99.9526	115.317	981.017	1514.01	-0.004076	6.21281	100.475	-0.0126
9.08185	99.9526	115.317	982.616	1513.74	-0.004076	6.21344	100.524	-0.009375
9.08285	99.9526	115.317	981.245	1513.74	-0.004076	6.21406	100.623	-0.011875
9.08385	99.6785	115.042	980.56	1514.29	-0.004076	6.21219	100.425	-0.01125
9.08485	100.384	115.317	981.245	1514.7	-0.012228	6.18844	100.425	-0.010938
9.08585	99.9526	115.591	981.245	1514.83	-0.004076	6.18594	100.475	-0.011563
9.08685	99.8155	115.317	980.789	1513.74	-0.004076	6.14406	100.623	-0.012188
9.08785	99.8155	115.317	981.245	1514.29	-0.004076	6.19084	100.524	-0.010313
9.08885	100.501	115.042	981.245	1514.29	0.038885	6.22869	100.524	-0.011563
9.08985	99.5414	115.317	981.588	1514.29	-0.004076	6.21656	100.524	-0.012813
9.09085	100.227	115.317	981.245	1514.83	-0.008152	6.21719	100.425	-0.012813
9.09185	100.227	115.317	981.131	1513.47	-0.004076	6.21844	100.425	-0.012813
9.09285	99.9526	115.317	982.159	1514.01	-0.004076	6.21781	100.376	-0.010313
9.09385	100.501	115.042	981.017	1513.47	-0.004076	6.21937	100.179	-0.013125
9.09485	99.9526	115.317	981.588	1514.01	-0.004076	6.21781	100.82	-0.01125
9.09585	100.227	115.317	981.474	1514.01	-0.004076	6.21489	100.524	-0.010825
9.09685	99.9526	115.317	981.588	1514.56	-0.004076	6.21719	100.179	-0.011875
9.09785	99.9526	115.591	981.245	1514.83	-0.004076	6.21406	100.08	-0.012188
9.09885	99.9526	115.317	981.702	1514.7	0.038885	6.21489	100.228	-0.011875
9.09985	100.384	115.317	981.245	1513.74	-0.004076	6.21489	99.9319	-0.012813

9.10088	99.9526	115.317	982.159	1514.01	0.018304	6.21084	100.376	-0.010838
9.10188	100.227	115.317	981.245	1515.38	-0.004076	6.21406	100.277	-0.011563
9.10288	100.227	115.317	981.474	1513.19	-0.004076	6.21656	100.179	-0.010825
9.10388	100.227	115.317	981.474	1514.01	-0.004076	6.21594	100.376	-0.009375
9.10488	99.9526	115.317	981.245	1514.29	0.018304	6.21489	100.179	-0.011875
9.10588	99.9526	115.317	981.245	1513.74	-0.004076	6.18719	100.771	-0.012813
9.10688	100.227	115.317	981.245	1514.01	-0.004076	6.18563	100.327	-0.011875
9.10788	99.9526	115.317	981.017	1514.58	-0.024456	6.14887	100.228	-0.0125
9.10888	99.9526	115.317	981.931	1514.01	0.02038	6.19094	100.425	-0.011563
9.10988	99.9526	115.317	980.903	1513.88	0.02038	6.23094	100.228	-0.010825
9.11088	99.9526	115.591	981.702	1514.29	0.044837	6.21625	100.228	-0.010938
9.11188	99.5414	115.317	980.903	1513.19	-0.02038	6.22156	100.327	-0.011563
9.11288	99.9526	115.317	981.017	1514.58	-0.004076	6.21889	100.228	-0.011563
9.11388	99.9526	115.317	980.789	1512.65	-0.02038	6.22062	100.425	-0.012813
9.11488	100.09	115.317	981.586	1513.47	-0.004076	6.21869	100.031	-0.010313
9.11588	99.6785	115.317	981.245	1513.47	-0.004076	6.21856	100.327	-0.014688
9.11688	100.501	115.042	980.903	1513.47	-0.004076	6.21719	100.228	-0.011563
9.11788	99.9526	115.317	981.474	1513.19	-0.004076	6.21719	100.475	-0.010938
9.11888	100.227	116.003	981.245	1514.58	0.024456	6.21781	100.129	-0.010825
9.11988	99.9526	114.768	981.131	1514.29	-0.004076	6.21844	100.129	-0.010313
9.12088	99.9526	115.179	981.702	1513.88	-0.004076	6.21438	100.179	-0.010825
9.12188	100.09	115.317	981.245	1513.74	0.028532	6.21584	100.031	-0.012813
9.12288	100.227	115.866	981.131	1514.29	-0.004076	6.21656	100.08	-0.011563
9.12388	100.227	115.866	981.474	1515.38	-0.004076	6.21625	100.228	-0.011875
9.12488	99.8155	115.591	981.017	1513.74	-0.004076	6.21812	100.08	-0.012188
9.12588	99.9526	115.317	981.702	1513.19	-0.004076	6.20812	100.031	-0.010313
9.12688	100.501	115.042	980.789	1513.19	-0.004076	6.18489	100.129	-0.013125
9.12788	100.227	115.317	981.131	1514.01	-0.004076	6.16625	100.376	-0.014063
9.12888	99.9526	115.591	981.702	1514.01	0.02038	6.1475	100.425	-0.012188
9.12988	100.384	115.729	980.874	1513.74	-0.008152	6.20166	100.08	-0.012813
9.13088	99.8155	115.179	981.245	1513.8	-0.004076	6.23219	100.031	-0.0125
9.13188	100.384	115.179	981.245	1514.01	-0.008152	6.21989	100.179	-0.01125
9.13288	100.501	115.179	981.245	1514.29	0.066217	6.22584	100.129	-0.010825
9.13388	99.6785	115.317	981.245	1513.74	-0.004076	6.22312	100.08	-0.010938
9.13488	100.227	115.179	980.874	1514.29	-0.008152	6.22406	100.228	-0.010825
9.13588	99.9526	115.179	980.789	1513.19	-0.018304	6.22344	100.08	-0.010938
9.13688	100.227	115.866	981.017	1513.6	-0.004076	6.22219	100.179	-0.010313
9.13788	99.9526	115.454	980.58	1513.19	-0.004076	6.22062	100.031	-0.0125
9.13888	100.501	114.83	981.017	1513.06	-0.004076	6.21719	100.129	-0.012188
9.13988	100.501	114.768	981.245	1514.01	-0.004076	6.22094	100.228	-0.012188
9.14088	100.227	116.317	981.245	1513.74	-0.004076	6.22125	100.129	-0.014063
9.14188	100.501	115.729	980.58	1512.85	-0.004076	6.22094	100.228	-0.010938
9.14288	100.638	114.768	981.245	1513.74	-0.004076	6.22187	100.129	-0.010825
9.14388	100.501	114.768	981.131	1513.8	0.052859	6.22156	99.9319	-0.011563
9.14488	100.227	115.179	981.931	1514.15	-0.004076	6.22219	99.9319	-0.011563
9.14588	100.384	115.591	981.131	1514.83	-0.004076	6.22219	100.129	-0.011563
9.14688	100.501	115.042	981.702	1513.8	-0.004076	6.20969	100.08	-0.012188
9.14788	100.227	115.179	981.017	1512.82	-0.012228	6.18437	100.327	-0.013438
9.14888	100.775	114.768	981.131	1512.65	-0.004076	6.18219	100.031	-0.013438
9.14988	100.09	115.317	981.131	1512.82	-0.004076	6.14719	100.376	-0.010938
9.15088	100.227	115.317	981.474	1513.19	-0.004076	6.21869	100.129	-0.010313
9.15188	99.4044	115.179	981.245	1513.33	-0.004076	6.23062	100.277	-0.011563

9.15266	100.227	115.317	981.017	1513.74	-0.004076	6.22844	100.031	-0.011583
9.15366	100.09	115.317	981.245	1513.06	-0.008152	6.22594	100.031	-0.01125
9.15466	100.227	115.317	981.245	1513.47	-0.004076	6.22719	100.228	-0.012813
9.15566	99.9526	115.591	981.931	1513.74	-0.004076	6.22469	100.129	-0.011563
9.15666	100.227	115.317	981.017	1514.29	-0.004076	6.22219	100.129	-0.011875
9.15766	100.227	115.317	981.245	1513.19	-0.004076	6.22158	100.228	-0.010313
9.15866	100.501	115.591	981.245	1513.47	-0.004076	6.21969	100.08	-0.009063
9.15966	100.227	115.317	981.702	1513.19	-0.008152	6.21844	100.129	-0.012813
9.16066	100.227	114.63	980.789	1513.19	-0.004076	6.22281	100.179	-0.011563
9.16166	100.638	115.042	980.332	1513.19	-0.004076	6.21969	100.425	-0.012188
9.16266	99.9526	115.179	981.017	1513.47	-0.004076	6.22312	99.9813	-0.013438
9.16366	99.6785	115.317	981.017	1513.19	-0.004076	6.21969	100.228	-0.011563
9.16466	100.227	115.317	981.017	1513.47	0.02038	6.22219	99.8333	-0.011583
9.16566	100.227	115.317	981.245	1513.74	0.044837	6.22344	100.031	-0.013438
9.16666	99.9526	115.317	981.474	1513.19	-0.012228	6.22219	100.129	-0.011563
9.16766	99.9526	115.591	981.474	1513.19	-0.004076	6.21344	100.277	-0.010313
9.16866	99.9526	115.317	981.702	1513.19	-0.004076	6.18531	100.08	-0.011563
9.16966	99.6785	115.179	981.245	1512.92	-0.028532	6.16344	100.524	-0.009063
9.17066	99.9526	115.317	981.245	1513.8	-0.004076	6.16868	99.9319	-0.012813
9.17166	99.9526	115.317	981.017	1513.19	-0.012228	6.22906	100.08	-0.012813
9.17266	100.227	115.317	981.474	1513.8	-0.004076	6.22906	100.228	-0.0125
9.17366	99.9526	115.317	981.245	1513.19	-0.004076	6.22844	100.179	-0.01125
9.17466	100.501	115.317	981.702	1513.8	-0.004076	6.23344	100.425	-0.012188
9.17566	100.227	115.042	981.474	1512.37	-0.004076	6.22808	100.179	-0.012188
9.17666	99.9526	115.317	981.588	1513.47	0.028532	6.22594	100.378	-0.010938
9.17766	100.227	115.454	981.245	1514.01	-0.004076	6.22594	100.129	-0.010625
9.17866	100.227	115.317	980.789	1513.74	-0.004076	6.22344	99.9319	-0.012188
9.17966	99.9526	115.179	981.474	1513.19	-0.004076	6.22281	99.8826	-0.011563
9.18066	100.227	115.042	981.131	1513.47	-0.012228	6.22219	100.228	-0.010938
9.18166	100.227	115.591	981.931	1512.65	-0.008152	6.22094	99.8333	-0.012188
9.18266	99.8155	115.179	980.874	1513.19	-0.004076	6.22219	100.179	-0.012813
9.18366	100.501	115.179	981.017	1513.33	-0.004076	6.22344	100.031	-0.01125
9.18466	100.227	115.042	981.017	1513.47	-0.004076	6.22344	100.129	-0.010938
9.18566	100.227	115.591	981.245	1513.19	-0.004076	6.22594	100.031	-0.010938
9.18666	100.501	115.317	981.017	1513.19	-0.012228	6.22406	100.228	-0.010625
9.18766	100.227	115.179	981.017	1512.1	0.048913	6.22437	100.08	-0.01125
9.18866	99.6785	115.317	981.131	1513.19	-0.004076	6.20825	99.9813	-0.011875
9.18966	99.9526	115.317	981.245	1513.47	-0.004076	6.17969	100.228	-0.011563
9.19066	100.227	115.317	981.245	1511.98	-0.004076	6.15844	100.031	-0.011563
9.19166	99.9526	115.042	981.588	1513.06	-0.004076	6.16531	100.129	-0.010313
9.19266	100.227	115.179	980.58	1511.98	-0.02038	6.23658	99.5885	-0.014688
9.19366	99.6785	115.317	980.903	1512.92	-0.004076	6.22469	99.9319	-0.013438
9.19466	100.227	115.317	981.131	1513.19	-0.004076	6.22719	100.573	-0.013125
9.19566	100.638	114.63	981.245	1513.19	-0.004076	6.22719	99.8333	-0.014688
9.19666	100.501	115.179	980.789	1513.8	-0.004076	6.22875	100.031	-0.012188
9.19766	100.09	114.905	981.017	1513.19	-0.004076	6.22469	99.9813	-0.010625
9.19866	100.501	115.866	980.332	1513.19	0.044837	6.22469	99.9813	-0.012813
9.19966	100.227	115.454	981.017	1512.65	-0.024456	6.22281	99.8333	-0.010938
9.20066	100.384	115.317	981.245	1513.19	-0.004076	6.22281	99.9319	-0.010313
9.20166	100.638	115.042	981.017	1513.06	-0.004076	6.22219	100.031	-0.010313
9.20266	100.227	115.317	981.131	1512.92	-0.004076	6.22344	100.031	-0.010938
9.20366	100.501	115.454	981.245	1512.37	-0.028532	6.22125	99.8333	-0.012188

9.20486	99.9528	115.591	981.017	1512.78	-0.004076	6.22084	100.228	-0.010625
9.20586	99.9528	115.317	981.245	1512.37	-0.004076	6.22219	100.129	-0.011563
9.20686	99.9528	115.317	981.474	1513.19	0.02038	6.22469	99.8333	-0.013125
9.20786	99.6785	115.317	980.58	1512.92	-0.004076	6.22531	99.8333	-0.010938
9.20886	100.384	115.317	981.017	1513.19	-0.004076	6.22082	99.7839	-0.011563
9.20986	99.9528	115.317	980.789	1512.1	0.040761	6.19658	99.9319	-0.011875
9.21086	100.384	115.317	980.789	1512.65	-0.004076	6.17408	99.7348	-0.011563
9.21186	99.9528	115.317	981.245	1513.19	-0.004076	6.15408	99.7839	-0.012188
9.21286	100.227	115.729	980.789	1512.85	-0.004076	6.16584	99.9319	-0.012188
9.21386	100.227	115.042	981.245	1512.65	-0.004076	6.23719	99.7839	-0.012188
9.21486	100.384	116.317	980.332	1511.01	-0.048913	6.21719	99.3398	-0.015313
9.21586	100.227	115.317	981.017	1513.06	-0.004076	6.22908	99.8333	-0.012188
9.21686	100.227	115.179	981.017	1512.85	0.02038	6.22594	100.425	-0.010938
9.21786	100.384	115.317	981.017	1512.92	-0.004076	6.22489	99.7839	-0.011563
9.21886	99.9528	115.317	981.017	1513.74	-0.004076	6.22594	99.8333	-0.010938
9.21986	100.09	115.317	981.588	1512.85	-0.004076	6.22219	99.8333	-0.010938
9.22086	100.227	115.317	981.131	1513.19	-0.004076	6.21906	99.7839	-0.010938
9.22186	100.227	115.317	981.017	1513.19	-0.004076	6.21781	99.4385	-0.011563
9.22286	100.501	115.591	981.245	1512.85	-0.008152	6.21989	99.7348	-0.0125
9.22386	100.227	115.042	981.017	1513.19	-0.004076	6.22219	100.129	-0.010938
9.22486	99.9528	115.317	981.474	1512.85	0.024456	6.21837	99.6852	-0.010938
9.22586	100.09	115.591	981.131	1511.83	-0.052989	6.21719	99.4385	-0.012813
9.22686	100.227	116.317	981.017	1512.85	-0.004076	6.22219	99.8333	-0.012813
9.22786	99.9528	115.454	981.474	1512.1	-0.004076	6.22084	100.031	-0.011563
9.22886	100.227	115.042	981.017	1512.92	-0.004076	6.22219	99.5865	-0.012188
9.22986	100.227	116.179	981.131	1513.06	0.024456	6.22281	99.9813	-0.013125
9.23086	99.9528	115.042	981.245	1512.85	-0.004076	6.19808	99.7839	-0.012188
9.23186	100.501	115.317	981.245	1513.6	0.028532	6.17719	99.6359	-0.011563
9.23286	100.384	116.317	980.803	1513.19	0.02038	6.15438	99.7839	-0.011563
9.23386	100.227	115.317	981.831	1512.92	-0.004076	6.16781	99.9319	-0.010313
9.23486	100.227	116.179	981.245	1513.19	0.02038	6.24156	99.6852	-0.01125
9.23586	100.384	115.317	981.131	1512.1	-0.004076	6.22406	99.6359	-0.010625
9.23686	100.384	115.317	980.103	1511.01	-0.028532	6.22781	99.4385	-0.012188
9.23786	100.384	115.729	980.58	1511.65	-0.012228	6.22406	99.7348	-0.012813
9.23886	100.501	115.886	980.332	1512.1	-0.004076	6.22489	100.228	-0.010938
9.23986	100.501	115.179	981.017	1512.92	-0.004076	6.22563	99.7839	-0.012188
9.24086	100.501	115.317	981.245	1512.65	-0.004076	6.22719	99.7839	-0.01125
9.24186	100.638	114.905	980.789	1512.85	-0.004076	6.22406	99.7348	-0.011563
9.24286	99.9528	115.317	981.131	1512.1	0.024456	6.21989	99.7348	-0.010938
9.24386	99.9528	115.179	981.017	1512.92	-0.004076	6.22166	99.9319	-0.01125
9.24486	100.384	115.179	980.789	1512.1	-0.004076	6.22084	99.7839	-0.010313
9.24586	100.384	115.042	981.017	1513.47	-0.004076	6.21989	99.6359	-0.012813
9.24686	99.9528	115.317	981.017	1512.1	0.024456	6.22219	99.9319	-0.011563
9.24786	100.227	115.317	980.874	1510.87	-0.052989	6.21719	99.2905	-0.014375
9.24886	99.9528	115.729	980.103	1512.1	-0.004076	6.21989	99.7839	-0.012188
9.24986	100.227	116.317	981.131	1511.83	-0.004076	6.22344	99.9319	-0.010938
9.25086	100.227	115.317	981.245	1513.06	0.044837	6.22281	99.6852	-0.010938
9.25186	100.227	115.317	980.803	1512.1	-0.012228	6.20489	99.7348	-0.011875
9.25286	100.384	115.317	981.245	1512.1	-0.004076	6.17344	99.9319	-0.009375
9.25386	100.227	115.179	981.017	1512.65	-0.008152	6.15156	99.8333	-0.010938
9.25486	100.384	115.042	981.474	1512.1	-0.004076	6.17781	99.9319	-0.011875
9.25586	100.227	116.317	981.017	1512.65	-0.004076	6.23908	99.9813	-0.012188

9.25867	100.227	115.591	981.245	1512.78	-0.004078	6.22489	99.7348	-0.012188
9.25767	100.227	115.591	981.474	1512.65	-0.004078	6.22781	99.8852	-0.012188
9.25867	100.775	114.768	982.159	1512.1	-0.008152	6.22594	99.8852	-0.010313
9.25967	100.227	115.317	980.903	1512.51	-0.004078	6.22594	99.7348	-0.012813
9.26067	100.501	115.317	981.245	1512.1	-0.004078	6.22531	100.031	-0.012188
9.26167	99.9526	115.591	980.903	1512.65	-0.004078	6.22489	99.8333	-0.012813
9.26267	100.838	115.042	981.017	1512.37	-0.004078	6.22406	99.9813	-0.012813
9.26367	99.9526	115.179	980.789	1512.37	-0.004078	6.21875	99.7348	-0.012188
9.26467	99.6785	115.179	981.245	1512.65	-0.012228	6.22406	99.7348	-0.010838
9.26567	100.09	115.179	980.903	1512.51	0.02038	6.22375	100.08	-0.011875
9.26667	99.9526	115.317	981.017	1512.65	0.016304	6.22489	100.031	-0.011875
9.26767	100.227	115.042	981.017	1513.74	-0.004078	6.22094	99.8333	-0.010825
9.26867	99.9526	115.591	980.874	1511.96	-0.012228	6.21989	99.7839	-0.010938
9.26967	100.364	115.317	981.245	1511.01	-0.036685	6.22158	99.8359	-0.011563
9.27067	100.227	115.317	980.58	1511.55	-0.012228	6.22158	99.8333	-0.013438
9.27167	100.364	114.768	980.789	1512.1	-0.004078	6.22344	100.378	-0.012188
9.27267	100.364	115.179	980.58	1512.1	-0.004078	6.20094	99.8852	-0.010838
9.27367	100.227	115.179	980.789	1512.65	-0.004078	6.17406	99.9813	-0.011563
9.27467	100.501	115.868	980.332	1512.1	-0.004078	6.15582	99.8333	-0.013438
9.27567	100.227	115.317	981.245	1512.65	0.061141	6.17844	99.5372	-0.011875
9.27667	100.501	115.317	981.474	1512.1	-0.004078	6.23719	100.031	-0.012813
9.27767	100.364	115.729	981.245	1512.1	-0.004078	6.22187	99.8333	-0.012813
9.27867	100.501	115.317	981.245	1512.1	-0.004078	6.22531	99.9319	-0.012813
9.27967	100.501	115.317	981.474	1511.69	-0.012228	6.22719	100.129	-0.010838
9.28067	100.501	115.317	982.046	1512.1	-0.004078	6.22594	100.179	-0.006838
9.28167	100.501	115.317	980.332	1511.63	-0.008152	6.22489	99.7839	-0.013125
9.28267	100.227	115.317	980.789	1512.1	-0.004078	6.22344	99.8359	-0.011563
9.28367	100.501	115.317	981.017	1512.65	-0.004078	6.22094	99.7839	-0.010838
9.28467	100.638	114.768	981.131	1512.1	-0.004078	6.22344	99.7348	-0.014063
9.28567	100.227	115.317	980.903	1512.1	-0.004078	6.22219	99.8333	-0.010838
9.28667	100.638	115.868	980.789	1512.1	-0.004078	6.22094	99.8852	-0.012813
9.28767	99.9526	115.317	980.789	1512.1	0.024456	6.22094	99.8319	-0.011563
9.28867	99.9526	115.179	981.245	1512.1	-0.004078	6.21906	99.8333	-0.011875
9.28967	100.227	115.179	981.017	1513.74	-0.004078	6.21989	99.8333	-0.011875
9.29067	100.501	115.317	980.874	1511.69	-0.004078	6.21989	99.9813	-0.010313
9.29167	100.501	114.768	981.702	1512.51	-0.008152	6.21989	99.8333	-0.010313
9.29267	100.501	115.179	980.874	1511.55	-0.004078	6.21719	99.8333	-0.011563
9.29367	100.227	115.317	981.131	1512.65	-0.012228	6.19219	100.425	-0.010838
9.29467	100.227	115.317	981.245	1512.1	-0.004078	6.17344	99.8333	-0.010313
9.29567	99.9526	115.317	981.017	1512.78	0.028532	6.14989	99.9319	-0.012188
9.29667	100.227	115.317	980.789	1512.1	-0.004078	6.17094	99.8319	-0.010838
9.29767	99.9526	115.317	980.789	1512.1	0.028532	6.23658	99.8333	-0.014375
9.29867	99.8155	115.317	981.245	1511.96	-0.004078	6.21719	99.9319	-0.012813
9.29967	100.364	115.179	980.874	1511.69	-0.004078	6.22344	99.8333	-0.011563
9.30067	100.364	115.179	981.245	1513.74	-0.004078	6.22219	99.8852	-0.011563
9.30167	100.501	115.042	981.131	1511.83	-0.004078	6.22281	99.7348	-0.01125
9.30267	100.775	115.591	982.502	1512.1	-0.004078	6.22281	99.8333	-0.007813
9.30367	99.9526	115.591	980.332	1511.28	-0.012228	6.21844	99.8359	-0.01125
9.30467	100.364	115.317	980.789	1511.55	-0.012228	6.21781	100.475	-0.011563
9.30567	100.227	115.317	981.245	1511.83	-0.004078	6.21812	99.7348	-0.011563
9.30667	99.9526	115.317	981.131	1511.83	-0.004078	6.21844	99.9319	-0.011875
9.30767	100.227	115.317	981.017	1512.1	-0.016304	6.21844	99.9319	-0.01125

9.30887	100.912	114.788	980.789	1512.85	-0.004078	6.21489	99.7348	-0.012813
9.30887	100.227	116.179	981.245	1512.65	0.044837	6.21844	99.9319	-0.011875
9.31087	100.838	115.179	981.245	1512.85	-0.008152	6.21844	99.6359	-0.011875
9.31187	100.227	115.317	980.789	1513.19	-0.004078	6.21781	100.031	-0.012813
9.31287	100.227	114.906	981.131	1511.89	-0.004078	6.22094	99.8333	-0.010938
9.31387	100.227	115.317	981.702	1511.42	-0.004078	6.21844	99.7839	-0.009083
9.31487	100.227	115.317	980.332	1511.83	-0.004078	6.19719	99.6359	-0.012813
9.31587	100.384	115.591	980.56	1512.1	-0.004078	6.17531	100.129	-0.011563
9.31687	100.227	115.317	980.789	1511.55	-0.004078	6.15344	99.8319	-0.010938
9.31787	99.9528	114.906	981.245	1511.89	-0.004078	6.16658	99.8333	-0.012813
9.31887	100.912	115.179	981.245	1512.1	-0.004078	6.23719	99.8828	-0.010938
9.31987	100.09	115.317	981.017	1512.1	-0.004078	6.21908	99.8333	-0.012188
9.32087	100.384	115.317	981.131	1511.83	-0.004078	6.22563	99.5885	-0.010625
9.32187	100.501	115.042	980.789	1512.1	-0.02038	6.22158	99.7348	-0.010625
9.32287	100.384	115.179	980.874	1512.78	-0.004078	6.22158	99.5372	-0.012813
9.32387	100.384	115.888	980.903	1511.83	-0.004078	6.22094	99.7839	-0.012188
9.32487	100.384	115.042	981.245	1512.1	-0.004078	6.21781	99.8359	-0.010625
9.32587	99.9528	115.317	980.56	1511.28	-0.004078	6.21719	99.5372	-0.013438
9.32687	100.501	115.729	980.789	1512.1	-0.004078	6.21594	99.8828	-0.01125
9.32787	100.775	115.179	980.789	1512.1	-0.004078	6.21825	99.7839	-0.010625
9.32887	100.501	115.888	980.874	1511.83	-0.004078	6.21719	99.7839	-0.012188
9.32987	100.227	115.317	980.789	1511.55	-0.004078	6.21489	99.5885	-0.013125
9.33087	101.049	114.83	980.332	1512.1	-0.004078	6.21531	99.6852	-0.012813
9.33187	100.775	114.788	980.56	1512.1	0.048913	6.21684	99.6359	-0.010938
9.33287	100.501	115.591	981.474	1511.55	-0.008152	6.21594	99.6359	-0.010938
9.33387	100.501	115.317	980.874	1513.06	-0.004078	6.21781	99.7348	-0.012188
9.33487	100.501	115.729	981.131	1511.55	-0.004078	6.21844	99.7348	-0.010313
9.33587	100.384	115.179	981.702	1512.1	0.028532	6.20469	99.6359	-0.009083
9.33687	100.384	115.179	980.874	1511.83	-0.004078	6.17781	99.8333	-0.01125
9.33787	100.384	116.179	981.131	1511.83	-0.018304	6.15719	99.7839	-0.011875
9.33887	100.775	115.042	981.017	1511.83	-0.004078	6.15631	99.7348	-0.010938
9.33987	100.227	115.042	980.874	1511.01	-0.004078	6.23094	99.5372	-0.012813
9.34087	100.384	116.179	981.017	1511.83	-0.004078	6.21781	99.8359	-0.010938
9.34187	100.501	115.179	981.017	1512.1	-0.012228	6.22281	99.4385	-0.011563
9.34287	100.384	116.317	980.56	1512.1	-0.004078	6.22094	99.5372	-0.010313
9.34387	100.501	116.317	981.474	1512.78	-0.004078	6.2225	99.5885	-0.010938
9.34487	100.227	115.317	980.903	1513.19	-0.004078	6.21688	99.7348	-0.01125
9.34587	99.9528	116.317	981.017	1511.65	-0.004078	6.21844	99.5372	-0.012188
9.34687	99.6785	114.83	981.702	1511.83	-0.004078	6.2175	99.6359	-0.010313
9.34787	100.227	116.317	980.789	1511.42	-0.004078	6.21281	99.4385	-0.012813
9.34887	100.384	115.317	980.56	1510.87	-0.004078	6.21438	99.7348	-0.011563
9.34987	100.501	115.591	980.789	1512.1	-0.008152	6.21781	99.6359	-0.011563
9.35087	100.384	115.317	981.017	1512.85	-0.004078	6.21688	99.6359	-0.011563
9.35187	100.384	115.317	981.245	1511.55	-0.004078	6.22094	99.4878	-0.010313
9.35287	100.384	115.454	980.903	1511.15	-0.004078	6.21594	99.5885	-0.010938
9.35387	100.501	116.317	981.017	1511.28	-0.004078	6.21844	99.6359	-0.010313
9.35487	100.384	116.317	981.017	1511.42	-0.012228	6.21719	99.5885	-0.010625
9.35587	100.501	115.888	980.789	1513.19	-0.004078	6.21719	99.6359	-0.011875
9.35687	100.227	115.591	980.789	1511.55	-0.004078	6.20844	99.3892	-0.012188
9.35787	100.384	116.179	981.017	1511.28	-0.004078	6.17875	99.5885	-0.010313
9.35887	100.775	115.042	981.245	1511.28	-0.004078	6.15719	99.4385	-0.012813
9.35987	100.384	115.591	981.245	1511.01	-0.004078	6.15125	99.4385	-0.010313

9.36067	100.775	115.317	981.245	1511.01	-0.004076	6.22594	99.7839	-0.011563
9.36167	100.227	115.179	981.245	1511.01	-0.004076	6.22094	99.5372	-0.011563
9.36267	100.364	115.591	981.245	1511.55	-0.004076	6.22156	99.4385	-0.012188
9.36367	100.501	115.179	981.017	1511.83	-0.004076	6.21989	99.4385	-0.013125
9.36467	100.838	116.729	980.56	1511.98	0.057065	6.21906	99.4385	-0.010938
9.36567	99.9526	115.317	981.131	1511.83	-0.004076	6.21969	99.4878	-0.012813
9.36667	100.227	115.886	980.903	1512.1	-0.004076	6.22156	99.6359	-0.012813
9.36767	99.8155	115.317	981.245	1511.55	-0.004076	6.21781	99.4385	-0.010938
9.36867	100.364	115.179	981.702	1511.15	-0.004076	6.21719	99.4385	-0.007813
9.36967	99.8155	115.179	980.332	1511.01	-0.004076	6.21781	99.5865	-0.010825
9.37067	99.9526	115.591	981.017	1510.87	-0.012228	6.21719	99.5865	-0.01125
9.37167	99.8155	115.317	981.245	1511.28	-0.004076	6.21719	99.7839	-0.010313
9.37267	100.364	115.179	980.789	1512.1	-0.004076	6.21594	99.3892	-0.013438
9.37367	100.501	115.729	980.674	1511.55	-0.004076	6.21969	99.5372	-0.01375
9.37467	100.501	115.317	981.245	1511.55	-0.004076	6.21844	99.5372	-0.011875
9.37568	100.364	115.179	980.789	1511.55	0.038885	6.21844	99.4385	-0.011563
9.37668	100.501	115.317	981.474	1512.1	-0.004076	6.21844	99.2905	-0.012188
9.37768	100.838	115.042	981.017	1512.1	-0.004076	6.19989	99.4385	-0.010938
9.37868	99.9526	115.317	980.903	1510.46	-0.02038	6.17344	99.3892	-0.012188
9.37968	100.501	115.317	981.245	1511.83	-0.004076	6.15718	99.5372	-0.010625
9.38068	100.364	115.317	980.789	1511.01	-0.004076	6.14866	99.5372	-0.011875
9.38168	100.227	115.042	980.789	1511.28	-0.004076	6.22531	99.3892	-0.012188
9.38268	100.227	115.591	981.131	1511.01	-0.004076	6.22187	99.7839	-0.012813
9.38368	100.364	115.317	981.131	1511.55	0.028532	6.22094	99.4385	-0.010938
9.38468	100.364	115.317	981.245	1511.83	-0.004076	6.22468	99.5865	-0.010313
9.38568	100.501	115.042	980.674	1510.87	-0.004076	6.21969	99.3892	-0.010625
9.38668	100.227	115.591	981.017	1511.89	0.073369	6.22344	99.7346	-0.010313
9.38768	100.364	115.317	980.674	1511.28	-0.004076	6.21844	99.3892	-0.011875
9.38868	100.227	115.317	980.903	1511.01	-0.008152	6.21658	99.6359	-0.012813
9.38968	100.501	115.317	980.332	1511.01	-0.012228	6.21781	99.6359	-0.013125
9.39068	100.501	115.886	980.789	1510.87	-0.004076	6.21562	99.4385	-0.010313
9.39168	100.364	115.591	980.56	1510.74	-0.028532	6.21531	99.3398	-0.011875
9.39268	100.364	115.317	980.332	1510.74	-0.004076	6.21844	99.3398	-0.011875
9.39368	100.501	115.591	980.332	1511.28	-0.004076	6.21858	99.8333	-0.012188
9.39468	100.227	115.179	980.789	1510.74	-0.004076	6.21844	99.7346	-0.012813
9.39568	100.364	115.317	981.474	1511.01	0.02038	6.22062	99.5372	-0.012813
9.39668	100.501	115.317	981.245	1511.42	-0.004076	6.21719	99.5865	-0.013125
9.39768	100.364	115.317	981.474	1511.55	0.028532	6.21781	99.4385	-0.012813
9.39868	100.227	115.179	981.017	1511.28	-0.004076	6.20406	99.4385	-0.012188
9.39968	100.501	115.042	980.903	1511.42	-0.004076	6.17989	99.8333	-0.009375
9.40068	100.501	115.317	980.789	1510.6	-0.004076	6.15781	99.5372	-0.01125
9.40168	100.501	115.179	981.131	1511.28	-0.012228	6.14469	99.5865	-0.01125
9.40268	100.364	115.042	981.702	1510.33	-0.008152	6.21989	99.4385	-0.009063
9.40368	100.501	115.317	980.674	1510.74	-0.004076	6.22187	99.7839	-0.011563
9.40468	100.501	115.591	980.674	1510.74	-0.004076	6.22406	99.6359	-0.012813
9.40568	99.8785	114.768	980.56	1511.15	-0.004076	6.22312	99.5865	-0.011563
9.40668	100.364	115.179	980.789	1511.28	-0.004076	6.22219	99.5372	-0.011563
9.40768	100.364	114.768	981.017	1511.28	-0.004076	6.22187	99.8333	-0.010313
9.40868	100.227	115.042	981.017	1511.01	0.044837	6.21937	99.6359	-0.011563
9.40968	100.364	115.317	981.245	1511.01	-0.024456	6.21844	99.7839	-0.011875
9.41068	99.9526	115.317	980.789	1512.1	0.02038	6.21719	99.6359	-0.010938
9.41168	100.501	115.179	981.017	1510.74	-0.004076	6.21594	99.8826	-0.00875

9.41268	100.227	115.591	981.474	1511.55	-0.004078	6.21888	99.3398	-0.01125
9.41368	100.501	115.317	980.789	1509.78	-0.038885	6.21582	99.3398	-0.012813
9.41468	100.227	115.454	980.789	1511.01	-0.004078	6.21989	99.7346	-0.012188
9.41568	100.501	115.591	980.789	1510.74	-0.004078	6.21856	100.129	-0.010938
9.41668	100.501	115.317	981.474	1511.55	-0.004078	6.21908	99.7346	-0.011875
9.41768	100.364	115.317	981.017	1510.19	-0.004078	6.22489	99.5372	-0.011875
9.41868	100.364	115.317	981.017	1511.01	-0.004078	6.22156	99.6852	-0.011583
9.41968	100.501	115.179	981.017	1511.28	0.048913	6.21438	99.5372	-0.011583
9.42068	99.9526	114.768	980.332	1511.01	-0.004078	6.18406	99.5372	-0.011583
9.42168	100.501	115.317	980.789	1511.42	-0.004078	6.15781	99.8333	-0.011583
9.42268	100.227	115.042	980.874	1511.42	-0.004078	6.15188	99.4878	-0.011875
9.42368	100.364	115.042	981.017	1509.78	-0.004078	6.22594	99.7346	-0.012188
9.42468	99.9526	115.042	980.332	1510.33	-0.028532	6.22344	99.3398	-0.014083
9.42568	100.227	115.317	980.789	1511.15	-0.004078	6.22719	99.7346	-0.012188
9.42668	100.227	115.042	980.903	1510.87	-0.004078	6.22408	99.8333	-0.011875
9.42768	100.775	115.179	980.58	1510.87	-0.004078	6.22583	99.5965	-0.010938
9.42868	100.638	115.317	980.789	1510.74	0.024458	6.22594	99.6852	-0.012813
9.42968	100.501	115.591	980.332	1511.01	-0.004078	6.22156	99.6359	-0.013438
9.43068	100.364	115.591	981.017	1510.74	-0.004078	6.21989	99.6852	-0.012188
9.43168	100.501	115.317	980.903	1510.33	-0.02038	6.21656	99.5965	-0.011875
9.43268	100.364	115.729	980.58	1511.83	-0.008152	6.21908	99.8333	-0.011583
9.43368	99.9526	115.591	981.017	1510.48	-0.004078	6.22094	99.8333	-0.01125
9.43468	99.9526	114.768	981.017	1511.01	-0.004078	6.21908	100.031	-0.010313
9.43568	100.775	114.63	979.418	1509.64	-0.038885	6.21844	99.2905	-0.012813
9.43668	101.049	114.905	980.103	1510.6	-0.004078	6.21719	99.8333	-0.010938
9.43768	100.227	115.317	981.245	1511.28	-0.004078	6.21989	100.08	-0.011875
9.43868	100.775	114.905	980.903	1510.87	-0.004078	6.22156	99.7839	-0.011583
9.43968	100.775	116.141	980.332	1511.28	-0.004078	6.22219	99.6852	-0.013438
9.44068	100.09	115.317	980.789	1511.01	-0.004078	6.20594	99.6359	-0.011583
9.44168	100.912	115.591	980.332	1511.15	-0.004078	6.17844	99.7346	-0.010313
9.44268	100.227	115.317	980.789	1511.28	-0.004078	6.15937	99.7346	-0.011583
9.44368	100.227	115.591	981.245	1510.48	-0.004078	6.15489	99.7346	-0.011583
9.44468	99.9526	115.317	980.789	1512.1	-0.004078	6.23062	99.4385	-0.012813
9.44568	100.364	115.317	980.332	1510.33	-0.004078	6.22437	99.8333	-0.011583
9.44668	100.364	115.317	980.103	1509.78	-0.038885	6.22312	99.1424	-0.015313
9.44768	100.227	115.042	980.332	1510.87	-0.004078	6.22719	99.8333	-0.013125
9.44868	100.638	115.317	980.789	1511.01	-0.004078	6.22656	99.8826	-0.011583
9.44968	100.364	115.317	980.789	1511.28	-0.004078	6.22468	99.5372	-0.010938
9.45068	100.227	115.317	980.789	1510.33	-0.004078	6.22687	99.7346	-0.011583
9.45168	100.775	115.042	980.874	1510.6	-0.004078	6.21989	99.7346	-0.011583
9.45268	99.8155	115.042	981.017	1510.87	-0.004078	6.22094	99.7839	-0.011875
9.45368	100.638	115.317	980.58	1510.87	-0.008152	6.22094	99.6359	-0.010938
9.45468	100.638	115.317	980.58	1511.42	-0.004078	6.22156	99.6359	-0.01125
9.45568	100.364	115.317	981.017	1510.74	-0.004078	6.22219	99.4385	-0.012813
9.45668	99.9526	114.768	980.789	1510.48	-0.004078	6.21989	99.6359	-0.012813
9.45768	100.775	115.317	981.017	1509.92	-0.040781	6.21844	99.0437	-0.013438
9.45868	100.501	115.042	980.332	1510.33	-0.004078	6.21908	99.6359	-0.013438
9.45968	100.227	115.317	980.789	1511.01	-0.004078	6.22094	100.129	-0.01125
9.46068	99.8155	115.317	980.789	1511.01	-0.004078	6.22094	99.6359	-0.013125
9.46168	99.8155	115.317	980.58	1510.74	-0.004078	6.20313	99.7839	-0.010626
9.46268	100.638	115.317	980.789	1510.87	-0.004078	6.17658	99.4385	-0.012188
9.46368	100.364	115.317	981.245	1510.87	-0.004078	6.15844	99.4385	-0.012188

9.46468	100.501	115.317	981.017	1511.01	-0.004076	6.16156	99.5865	-0.012188
9.46568	100.912	114.768	981.017	1510.74	-0.004076	6.23719	99.6359	-0.011563
9.46668	100.775	115.042	980.789	1512.1	-0.004076	6.22584	99.7346	-0.01125
9.46768	100.501	115.317	980.789	1511.01	-0.004076	6.22937	99.7346	-0.010625
9.46868	100.227	115.179	980.789	1509.64	-0.052989	6.22781	98.9944	-0.012813
9.46968	100.364	115.591	980.217	1510.46	-0.004076	6.22719	99.5372	-0.012813
9.47068	101.049	114.768	980.789	1510.74	-0.004076	6.22781	99.8828	-0.012188
9.47168	100.364	115.179	980.332	1510.74	0.02038	6.22856	99.2905	-0.012813
9.47268	100.364	115.729	980.332	1511.01	-0.004076	6.22583	99.6359	-0.011875
9.47368	100.227	115.317	980.103	1509.92	-0.004076	6.22219	99.6359	-0.011563
9.47468	100.601	115.179	981.017	1511.56	0.036885	6.22408	99.4385	-0.010938
9.47568	100.227	115.454	980.103	1511.28	-0.004076	6.22408	99.6359	-0.012813
9.47668	100.227	115.591	981.017	1510.46	-0.004076	6.22219	99.6359	-0.011563
9.47768	100.364	115.317	980.332	1511.01	-0.004076	6.22187	99.5372	-0.012813
9.47868	100.501	115.179	980.789	1510.46	-0.004076	6.22219	99.6359	-0.014063
9.47968	100.501	115.179	981.474	1510.19	-0.024456	6.21989	99.5372	-0.010313
9.48068	100.638	114.493	980.332	1510.46	-0.004076	6.22219	99.5865	-0.013438
9.48168	99.9526	115.317	980.789	1510.74	-0.004076	6.22219	99.9319	-0.0125
9.48268	100.638	115.886	980.332	1510.33	-0.004076	6.19781	99.3398	-0.012813
9.48368	100.501	115.042	981.245	1511.42	-0.016304	6.17825	99.6852	-0.01125
9.48468	100.501	115.317	980.56	1510.6	-0.004076	6.15531	99.6359	-0.010313
9.48568	100.227	115.591	981.245	1510.74	-0.004076	6.17844	99.5372	-0.009688
9.48668	100.227	115.317	981.245	1510.46	-0.004076	6.24219	99.5865	-0.011563
9.48768	100.775	115.317	980.903	1510.87	-0.004076	6.21937	99.6359	-0.011563
9.48868	100.501	115.317	980.789	1510.87	-0.004076	6.22813	99.4385	-0.011563
9.48968	100.227	115.591	981.017	1510.19	-0.004076	6.22584	99.6359	-0.010313
9.49068	100.501	115.886	981.131	1510.74	-0.004076	6.22813	99.3398	-0.011875
9.49168	100.227	115.591	980.56	1509.92	-0.004076	6.2275	99.5372	-0.010313
9.49268	100.638	115.317	980.789	1510.46	-0.004076	6.22583	99.9319	-0.011875
9.49368	100.364	115.317	980.789	1509.92	-0.012228	6.22344	99.6359	-0.010313
9.49468	100.501	115.317	980.332	1510.6	-0.004076	6.22437	99.7346	-0.012188
9.49568	100.227	115.317	980.789	1509.92	-0.004076	6.22219	99.4385	-0.013125
9.49668	100.638	115.042	980.56	1510.46	0.02038	6.22489	99.6359	-0.010313
9.49768	100.501	115.317	980.332	1510.74	-0.004076	6.22344	99.3892	-0.010313
9.49868	100.364	115.317	980.332	1510.74	-0.004076	6.22344	99.5865	-0.013438
9.49968	100.364	115.317	980.789	1510.46	-0.004076	6.22344	99.4878	-0.010938
9.50068	100.501	115.317	980.332	1510.46	-0.004076	6.22489	99.4878	-0.011863
9.50168	99.9526	115.317	981.245	1510.33	-0.004076	6.22489	99.5372	-0.007188
9.50268	100.501	115.317	980.217	1509.64	-0.02038	6.22156	99.2411	-0.013438
9.50368	100.364	115.179	980.56	1510.19	-0.004076	6.19989	100.228	-0.013125
9.50468	100.501	115.317	980.903	1510.46	-0.004076	6.17812	99.5865	-0.012188
9.50568	100.775	114.905	980.789	1510.6	-0.004076	6.15469	99.5865	-0.011563
9.50668	100.501	114.63	980.674	1510.46	-0.004076	6.19888	99.4385	-0.011563
9.50768	100.227	115.317	981.245	1510.19	-0.004076	6.23719	99.4385	-0.011563
9.50868	100.501	115.179	981.017	1509.92	0.036885	6.22719	99.3398	-0.011875
9.50968	100.501	114.768	981.017	1510.46	-0.02038	6.23125	99.3892	-0.010625
9.51068	100.775	115.042	980.903	1510.46	-0.004076	6.22906	99.5865	-0.012188
9.51168	100.775	115.317	980.789	1509.92	-0.004076	6.23062	99.3892	-0.011875
9.51268	100.364	115.317	982.159	1510.87	-0.004076	6.22857	99.4878	-0.010313
9.51368	100.364	115.317	990.58	1509.92	-0.004076	6.22908	99.3398	-0.012813
9.51468	100.501	115.729	980.789	1509.92	-0.004076	6.22781	99.9319	-0.010625
9.51568	100.501	115.317	981.017	1510.19	-0.004076	6.22469	99.3398	-0.010625

9.51889	100.227	115.317	980.903	1510.33	-0.004076	6.22813	99.6359	-0.013438
9.51789	100.501	114.768	980.789	1510.33	-0.004076	6.22469	99.3398	-0.010313
9.51889	100.227	115.179	980.58	1510.19	-0.004076	6.22719	99.3892	-0.011875
9.51989	100.227	115.317	980.789	1510.74	-0.004076	6.22563	99.5372	-0.011563
9.52089	100.775	115.317	980.789	1510.46	-0.004076	6.22437	99.1424	-0.011875
9.52189	100.227	115.317	980.789	1511.28	-0.004076	6.22656	99.5865	-0.010938
9.52289	100.501	116.178	981.017	1509.92	-0.008152	6.22406	99.3892	-0.010313
9.52389	100.501	115.729	981.702	1510.46	-0.004076	6.22281	99.2411	-0.009375
9.52489	100.501	115.317	980.217	1510.19	-0.012228	6.19469	99.1918	-0.014063
9.52589	100.364	116.317	981.245	1509.64	-0.004076	6.17031	99.6359	-0.012188
9.52689	100.364	116.179	980.58	1509.82	-0.004076	6.15562	99.0437	-0.012813
9.52789	100.912	115.317	981.245	1510.87	-0.004076	6.21219	99.4385	-0.011875
9.52889	99.9526	115.179	980.58	1509.92	-0.012228	6.23562	99.3398	-0.014063
9.52989	100.227	115.042	980.332	1510.33	-0.004076	6.22719	99.2411	-0.014063
9.53089	99.9526	115.317	980.903	1510.6	0.036885	6.22781	99.3398	-0.011875
9.53189	100.227	115.317	981.245	1510.33	-0.004076	6.22969	99.2411	-0.011875
9.53289	100.364	115.317	980.674	1511.42	-0.004076	6.22781	99.2905	-0.010825
9.53389	99.9526	115.317	980.332	1509.92	-0.012228	6.22781	99.3892	-0.013438
9.53489	100.501	115.317	981.245	1510.19	-0.02038	6.22719	99.1424	-0.009083
9.53589	100.501	115.317	980.674	1509.92	-0.012228	6.22375	99.3398	-0.012813
9.53689	100.501	115.317	981.245	1509.64	-0.004076	6.22594	99.9319	-0.010938
9.53789	100.501	115.317	980.332	1509.92	0.02038	6.22656	99.4385	-0.010313
9.53889	100.501	115.317	980.789	1510.19	-0.004076	6.22687	99.4385	-0.010625
9.53989	100.638	115.886	980.332	1509.92	0.02038	6.22594	99.4385	-0.010938
9.54089	100.364	115.179	981.131	1509.92	-0.004076	6.22469	99.2411	-0.012813
9.54189	99.9526	115.454	980.789	1510.74	0.028532	6.22656	99.1918	-0.010938
9.54289	100.912	115.042	980.789	1511.01	-0.004076	6.22856	99.4385	-0.010313
9.54389	100.227	115.179	980.789	1511.28	-0.012228	6.22469	99.2411	-0.012188
9.54489	100.364	115.042	981.017	1509.51	-0.012228	6.21281	99.4385	-0.012188
9.54589	100.638	115.317	981.931	1509.92	-0.004076	6.18594	99.0437	-0.010313
9.54689	100.501	115.317	979.875	1509.64	-0.004076	6.18594	99.4878	-0.012813
9.54789	100.364	115.317	980.58	1509.92	-0.004076	6.15344	99.5372	-0.011563
9.54889	100.227	115.317	980.332	1510.6	-0.004076	6.22187	99.7346	-0.010938
9.54989	101.049	114.805	980.903	1510.6	0.018304	6.23094	99.5865	-0.010313
9.55089	100.912	115.317	980.789	1510.33	-0.004076	6.22781	99.4385	-0.010938
9.55189	100.501	115.317	980.103	1509.64	-0.008152	6.22906	99.5372	-0.011563
9.55289	100.501	115.317	980.789	1509.37	-0.004076	6.22937	99.1918	-0.011875
9.55389	100.501	115.317	980.332	1509.82	-0.004076	6.22719	99.5372	-0.011563
9.55489	100.227	115.691	980.332	1511.01	-0.004076	6.22469	99.5372	-0.011563
9.55589	99.9526	115.179	980.103	1509.37	-0.012228	6.22281	99.2411	-0.012188
9.55689	100.638	115.317	980.332	1509.92	-0.012228	6.22406	99.5372	-0.010313
9.55789	100.364	115.317	980.332	1509.78	-0.004076	6.22281	99.7346	-0.011875
9.55889	100.364	115.317	980.332	1509.92	-0.004076	6.22281	99.8333	-0.012188
9.55989	100.364	115.317	980.789	1510.05	-0.004076	6.22469	99.6359	-0.01125
9.56089	100.501	115.317	981.017	1509.92	-0.004076	6.22344	99.4878	-0.012188
9.56189	100.501	115.317	980.332	1509.64	-0.004076	6.22219	99.4385	-0.012813
9.56289	100.227	115.179	980.674	1509.92	-0.004076	6.22219	99.2411	-0.0125
9.56389	100.501	115.179	980.58	1510.19	-0.004076	6.22094	99.5865	-0.012813
9.56489	100.501	115.317	979.875	1509.92	-0.004076	6.22156	99.4385	-0.012188
9.56589	100.775	115.317	980.332	1511.01	-0.004076	6.21094	99.6359	-0.012188
9.56689	100.501	115.317	980.332	1509.64	-0.004076	6.18594	99.5865	-0.01125
9.56789	100.501	115.317	982.045	1509.78	-0.004076	6.18531	99.7346	-0.007813

9.56869	100.912	115.042	980.103	1509.84	0.028532	6.14937	99.7839	-0.010313
9.56969	100.501	115.317	980.789	1509.78	-0.004076	6.22594	99.7346	-0.010938
9.57069	99.9526	115.179	980.789	1510.19	-0.004076	6.23219	99.8333	-0.011563
9.57169	100.384	115.317	980.789	1510.74	-0.004076	6.22937	99.6359	-0.011563
9.57269	100.501	115.179	980.789	1509.92	-0.004076	6.23219	99.8359	-0.011563
9.57369	100.501	115.317	980.674	1509.92	-0.004076	6.22719	99.8333	-0.010313
9.57469	101.049	114.768	980.446	1509.92	0.036685	6.22969	99.8333	-0.011563
9.57569	100.638	115.317	980.789	1510.05	-0.012228	6.22719	99.4385	-0.011875
9.57669	100.501	115.042	980.332	1511.83	0.028532	6.22489	99.7839	-0.011563
9.57769	100.227	115.179	980.789	1509.78	-0.004076	6.22556	99.7346	-0.010938
9.57869	100.09	115.317	980.789	1509.84	-0.008152	6.22219	99.8333	-0.009063
9.57969	100.912	115.868	980.332	1509.78	-0.004076	6.22594	99.8852	-0.011563
9.58069	100.912	115.179	979.989	1509.92	-0.004076	6.22219	100.031	-0.012813
9.58169	100.227	115.179	980.332	1509.92	-0.004076	6.22281	99.5372	-0.012188
9.58269	100.912	114.83	980.58	1509.92	-0.004076	6.22489	99.5372	-0.012188
9.58369	99.9526	115.591	980.58	1509.92	-0.004076	6.22406	99.6359	-0.012188
9.58469	99.9526	115.317	980.332	1510.19	-0.004076	6.22489	99.7346	-0.011875
9.58569	100.501	115.317	980.332	1510.19	0.040761	6.22531	99.7346	-0.011563
9.58669	100.501	115.317	980.789	1509.92	-0.004076	6.21719	99.4385	-0.010938
9.58769	100.501	115.179	980.58	1510.46	-0.004076	6.18719	99.6359	-0.012188
9.58869	100.501	115.317	980.58	1509.78	-0.004076	6.16156	100.031	-0.010938
9.58969	100.501	115.179	981.831	1509.92	-0.004076	6.15375	99.6359	-0.009375
9.59069	100.227	115.729	980.217	1510.46	-0.004076	6.22719	99.7346	-0.01375
9.59169	100.775	115.317	980.674	1509.78	-0.004076	6.21906	99.7839	-0.012813
9.59269	100.227	115.317	980.332	1509.92	-0.02038	6.22156	99.9319	-0.011563
9.59369	100.501	115.317	981.131	1509.92	-0.004076	6.21906	99.6359	-0.0125
9.59469	100.384	115.317	981.131	1509.92	0.02038	6.22437	99.7839	-0.011563
9.59569	100.501	115.317	980.332	1509.92	0.028532	6.21875	99.6359	-0.0125
9.59669	100.501	115.317	980.217	1509.82	0.036685	6.21781	99.9319	-0.011875
9.59769	100.501	115.179	980.58	1509.92	-0.004076	6.21656	99.5372	-0.013125
9.59869	99.9526	115.317	980.58	1510.46	-0.004076	6.21438	99.3892	-0.011563
9.59969	100.384	115.317	980.332	1510.46	-0.02038	6.21489	99.6359	-0.011563
9.60069	100.638	115.317	979.875	1509.84	-0.008152	6.21781	99.4385	-0.010313
9.60169	100.501	115.317	980.58	1509.84	-0.008152	6.21344	99.6359	-0.010938
9.60269	100.501	115.317	981.017	1510.46	-0.004076	6.21562	100.129	-0.01125
9.60369	100.638	115.591	980.674	1510.46	-0.008152	6.21594	99.6359	-0.010313
9.60469	100.501	115.179	980.446	1510.19	0.028532	6.21531	99.5372	-0.011563
9.60569	99.8155	115.317	981.245	1510.46	-0.004076	6.21937	99.5372	-0.012813
9.60669	100.384	115.591	980.332	1509.84	-0.004076	6.21489	99.4385	-0.011875
9.60769	100.501	115.179	980.789	1510.46	0.061141	6.20969	99.3892	-0.012813
9.60869	100.384	115.317	980.789	1510.33	-0.012228	6.17969	99.5865	-0.011875
9.60969	100.638	115.317	980.58	1510.6	0.02038	6.15844	99.3892	-0.011875
9.61069	100.775	115.591	981.017	1509.82	0.02038	6.14812	99.5372	-0.011563
9.61169	100.501	115.317	980.789	1509.92	0.028532	6.21562	99.4385	-0.010825
9.61269	100.638	115.729	979.989	1509.51	-0.004076	6.21719	99.4385	-0.01375
9.61369	100.775	115.317	980.103	1509.84	-0.004076	6.21719	99.4385	-0.0125
9.61469	100.775	115.317	980.103	1509.92	0.02038	6.21781	99.7346	-0.01125
9.61569	100.501	115.317	980.332	1509.92	0.02038	6.21875	99.5865	-0.012813
9.61669	100.638	115.317	980.58	1509.92	0.02038	6.21781	99.5372	-0.011563
9.61769	100.775	115.591	980.674	1509.92	-0.02038	6.21406	99.4385	-0.011563
9.61869	100.227	115.042	980.58	1510.6	0.057065	6.21219	99.4385	-0.010313
9.61969	100.501	115.317	980.874	1510.19	-0.004076	6.21094	99.7839	-0.011875

9.82069	100.227	115.317	981.131	1509.37	-0.004076	6.21219	99.4878	-0.010825
9.82189	100.501	115.317	980.332	1510.33	-0.004076	6.21219	99.4385	-0.010938
9.82269	100.638	115.317	980.789	1509.37	-0.004076	6.21084	99.0437	-0.010938
9.82369	100.638	115.317	980.332	1509.23	-0.004076	6.21156	99.4385	-0.012813
9.82489	100.501	115.179	980.56	1509.92	0.016304	6.21125	99.3388	-0.011563
9.82589	100.501	115.317	980.332	1509.37	-0.004076	6.21094	99.3892	-0.012188
9.82689	100.775	115.179	980.332	1509.64	-0.004076	6.21156	99.2411	-0.0125
9.82789	100.501	114.905	980.789	1510.6	-0.012228	6.21312	99.4385	-0.010938
9.82869	100.364	115.317	980.332	1509.37	-0.004076	6.20219	99.2905	-0.011563
9.82969	100.775	114.905	980.332	1509.37	0.024456	6.17469	99.2411	-0.010938
9.83069	100.775	115.866	980.332	1509.64	-0.004076	6.15438	99.3892	-0.012813
9.83169	100.501	115.179	980.789	1510.74	0.02038	6.13969	99.2905	-0.012813
9.83269	100.501	115.317	981.245	1509.37	-0.004076	6.19969	99.9451	-0.012813
9.83369	100.501	115.042	981.017	1509.92	-0.024456	6.22281	99.1918	-0.010938
9.83469	100.501	115.866	979.418	1508.82	-0.028532	6.21156	98.649	-0.012813
9.83569	100.775	115.317	979.875	1509.23	-0.004076	6.21656	98.9944	-0.01125
9.83669	99.9528	115.317	981.017	1509.92	-0.004076	6.21875	99.8333	-0.011875
9.83769	100.638	115.729	980.332	1509.92	-0.004076	6.21584	98.8957	-0.011875
9.83869	100.912	118.003	980.103	1509.84	-0.004076	6.21719	98.9844	-0.012813
9.83969	99.6785	115.179	980.56	1509.92	0.024456	6.21084	98.9451	-0.010938
9.84069	100.775	115.729	980.103	1509.1	0.038685	6.20844	99.0437	-0.010313
9.84169	100.364	115.042	980.56	1509.82	-0.004076	6.20969	98.8957	-0.012813
9.84269	100.227	115.179	980.789	1509.37	-0.004076	6.20969	98.9844	-0.011583
9.84369	100.364	115.317	980.56	1508.82	-0.004076	6.21094	99.0437	-0.011875
9.84469	100.501	115.317	980.789	1509.1	-0.004076	6.21281	98.5503	-0.010313
9.84569	100.501	115.179	980.217	1509.1	-0.028532	6.20844	98.5009	-0.014375
9.84669	100.601	115.179	980.332	1509.64	-0.004076	6.21219	98.8957	-0.012813
9.84769	100.227	115.317	981.017	1509.92	0.02038	6.21219	99.2411	-0.011563
9.84869	100.501	115.317	980.56	1509.1	-0.004076	6.21219	98.7477	-0.012188
9.84969	100.501	115.317	980.332	1509.37	-0.004076	6.20594	99.0437	-0.011563
9.85069	100.912	115.179	980.56	1509.37	-0.004076	6.17584	98.7477	-0.011563
9.85169	100.501	115.317	980.332	1508.69	0.044837	6.15719	98.8957	-0.010938
9.85269	101.049	115.042	980.446	1509.51	-0.004076	6.13844	98.8983	-0.010313
9.8537	100.364	115.179	981.017	1510.46	0.028532	6.19844	98.649	-0.01125
9.8547	100.501	115.179	980.332	1508.69	-0.004076	6.21969	98.8464	-0.013438
9.8557	99.9528	115.042	980.56	1509.23	-0.004076	6.21281	98.8464	-0.0125
9.8567	100.501	115.317	979.875	1507.18	-0.048913	6.21409	98.1555	-0.014063
9.8577	100.638	115.317	980.217	1508.82	0.02038	6.21562	98.8983	-0.013438
9.8587	100.775	115.317	980.103	1509.1	-0.004076	6.21584	99.2411	-0.011563
9.8597	100.638	115.042	980.332	1508.37	-0.004076	6.21688	98.5503	-0.012813
9.8607	100.364	115.317	980.789	1509.51	-0.004076	6.21469	98.649	-0.01125
9.8617	100.775	115.317	980.789	1509.37	-0.004076	6.21187	98.8464	-0.011583
9.8627	100.364	115.179	980.56	1509.37	-0.004076	6.20869	98.5009	-0.012813
9.8637	100.638	115.729	980.332	1509.1	0.02038	6.20969	98.649	-0.012813
9.8647	100.501	115.317	980.332	1509.1	-0.008152	6.21156	98.7477	-0.012813
9.8657	100.501	115.317	980.56	1510.05	-0.004076	6.20844	98.8464	-0.012188
9.8667	100.364	115.317	980.789	1509.1	-0.004076	6.21094	98.649	-0.010313
9.8677	100.364	115.179	980.103	1507.73	-0.02038	6.20719	98.5503	-0.014063
9.8687	100.227	115.317	979.875	1508.14	-0.004076	6.20781	98.5503	-0.011583
9.8697	100.501	115.317	980.332	1508.82	-0.004076	6.21156	99.2411	-0.011875
9.8707	100.775	115.591	980.674	1509.1	-0.004076	6.20469	98.649	-0.011875
9.8717	100.775	115.179	980.789	1509.1	-0.004076	6.18469	98.797	-0.0125

9.6727	100.501	115.591	980.446	1508.28	-0.004076	6.15656	98.6883	-0.011563
9.6737	100.501	115.317	980.789	1508.82	0.040761	6.13856	98.9944	-0.012813
9.6747	100.775	115.317	980.903	1508.51	-0.004076	6.17844	98.6883	-0.01125
9.6757	100.838	115.317	980.674	1508.82	-0.004076	6.22084	98.7477	-0.012813
9.6767	100.09	115.179	980.674	1509.1	-0.004076	6.20812	98.649	-0.011563
9.6777	100.501	115.317	980.674	1508.55	-0.004076	6.21158	98.797	-0.01125
9.6787	100.501	115.317	981.131	1507.59	-0.044837	6.20594	98.4023	-0.010313
9.6797	100.384	115.179	980.56	1508.82	-0.004076	6.21094	98.649	-0.013438
9.6807	100.384	115.179	980.332	1509.23	-0.004076	6.20844	98.9944	-0.012188
9.6817	100.384	115.317	980.217	1508.69	-0.004076	6.20781	98.6996	-0.012188
9.6827	99.9526	115.317	980.332	1508.82	-0.004076	6.21094	98.5996	-0.010938
9.6837	100.775	115.317	980.103	1508.55	-0.012228	6.20406	98.649	-0.011875
9.6847	100.501	115.317	980.789	1508.55	-0.004076	6.20887	98.7477	-0.011875
9.6857	100.501	115.317	980.674	1509.1	-0.004076	6.20469	98.649	-0.011563
9.6867	100.384	115.454	980.56	1507.73	-0.008152	6.20344	98.5503	-0.012188
9.6877	100.09	115.179	980.217	1508.28	-0.004076	6.20469	98.5996	-0.012188
9.6887	100.501	115.042	980.332	1508.55	-0.004076	6.20406	98.5996	-0.010938
9.6897	100.838	115.317	980.217	1507.32	-0.088283	6.20094	98.3529	-0.014063
9.6907	100.775	115.317	980.332	1508.69	-0.004076	6.20469	98.7477	-0.01375
9.6917	100.501	115.317	980.332	1508.55	-0.004076	6.20344	99.2411	-0.012188
9.6927	100.501	115.454	980.103	1508	-0.004076	6.18594	98.7477	-0.011875
9.6937	100.384	114.905	980.332	1509.1	-0.004076	6.16187	98.8464	-0.010625
9.6947	100.501	115.729	980.103	1508.55	-0.004076	6.13969	98.649	-0.011563
9.6957	100.501	115.179	980.789	1508.82	0.028532	6.15281	98.649	-0.01125
9.6967	100.838	115.317	980.674	1508.28	-0.004076	6.22187	98.8464	-0.0125
9.6977	100.384	115.317	980.103	1508.28	-0.008152	6.21125	98.6996	-0.011875
9.6987	99.9526	114.905	979.875	1508.82	-0.004076	6.21344	98.7477	-0.011875
9.6997	99.8155	115.317	980.56	1508.55	-0.004076	6.21219	98.7477	-0.011875
9.7007	100.227	115.317	982.159	1508.28	-0.004076	6.21375	98.7477	-0.008438
9.7017	100.227	115.317	980.332	1508.28	-0.02038	6.21187	98.5996	-0.011563
9.7027	100.501	115.317	980.789	1507.73	-0.004076	6.21158	99.0437	-0.010938
9.7037	100.501	115.317	980.217	1508.28	-0.004076	6.20937	98.9451	-0.011563
9.7047	100.838	115.317	980.332	1508.28	-0.004076	6.20844	98.797	-0.010938
9.7057	100.501	115.317	980.789	1508.82	0.02038	6.21082	99.0437	-0.010313
9.7067	100.384	114.768	980.56	1508.69	-0.004076	6.20844	98.8464	-0.012188
9.7077	100.501	115.042	980.103	1508.69	-0.004076	6.20719	98.8464	-0.012188
9.7087	99.9526	115.317	980.217	1508.82	-0.004076	6.20719	98.7477	-0.010625
9.7097	100.501	115.042	979.875	1508.82	-0.028532	6.20719	98.5503	-0.011563
9.7107	101.049	114.63	980.217	1508	-0.004076	6.20969	98.9451	-0.012188
9.7117	100.384	115.317	980.56	1507.18	-0.024456	6.20969	98.2542	-0.013438
9.7127	100.775	115.317	980.332	1508.82	-0.004076	6.20844	98.649	-0.014063
9.7137	99.9526	114.768	980.674	1508.28	-0.004076	6.19408	99.2411	-0.01125
9.7147	100.227	115.317	980.332	1508.14	-0.004076	6.16781	98.8957	-0.011563
9.7157	100.227	115.042	980.332	1508.82	-0.004076	6.15312	98.649	-0.011563
9.7167	100.501	115.317	981.131	1508.82	0.02038	6.14469	98.4516	-0.012188
9.7177	99.8155	115.317	980.332	1508.28	-0.004076	6.21969	98.5503	-0.011563
9.7187	100.384	115.317	979.875	1507.59	-0.004076	6.21531	98.9451	-0.011563
9.7197	100.838	115.179	980.674	1508	-0.004076	6.21594	98.5503	-0.011563
9.7207	100.501	115.317	980.217	1508.82	-0.004076	6.21594	98.649	-0.011563
9.7217	100.501	115.042	980.56	1507.73	-0.004076	6.21158	98.5503	-0.01125
9.7227	100.775	115.179	980.332	1507.73	-0.008152	6.21094	98.5503	-0.009688
9.7237	100.384	115.317	980.217	1508.91	-0.004076	6.21375	98.4023	-0.012813

9.7247	99.9529	115.179	980.217	1508.28	-0.004078	6.21084	98.1918	-0.010313
9.7257	100.227	115.179	980.103	1507.73	-0.004078	6.20989	98.649	-0.012188
9.7267	100.638	115.729	980.332	1507.73	-0.004078	6.21031	98.6983	-0.012188
9.7277	100.775	115.179	980.903	1508.28	-0.004078	6.20989	98.649	-0.011875
9.7287	100.501	115.317	980.217	1508.82	0.02038	6.20875	98.5996	-0.012813
9.7297	100.775	115.729	979.875	1507.48	-0.004078	6.20908	98.7477	-0.012188
9.7307	100.501	115.179	980.332	1508.14	-0.02038	6.20812	98.7477	-0.012188
9.7317	100.638	114.905	980.103	1508.82	-0.004078	6.21084	98.5009	-0.012188
9.7327	100.227	115.317	980.332	1507.48	-0.004078	6.20937	98.5009	-0.0125
9.7337	100.638	115.868	981.245	1507.73	0.02038	6.21489	98.5503	-0.010625
9.7347	100.912	115.591	980.217	1507.73	-0.004078	6.20406	98.649	-0.012813
9.7357	100.775	115.591	980.789	1507.73	-0.012228	6.17531	98.0437	-0.010938
9.7367	100.501	115.317	980.332	1508.28	0.02038	6.15531	98.7477	-0.011563
9.7377	100.384	115.317	980.58	1507.73	-0.004078	6.13989	98.649	-0.010938
9.7387	100.384	115.042	980.674	1508.28	0.02038	6.18658	98.5996	-0.011563
9.7397	100.227	115.317	980.332	1508.14	-0.004078	6.22219	98.797	-0.010938
9.7407	100.384	115.317	979.989	1507.73	-0.004078	6.20989	98.4023	-0.011875
9.7417	100.775	115.729	980.332	1508.84	-0.018304	6.21584	98.4518	-0.012813
9.7427	100.775	115.454	980.103	1508.82	-0.024458	6.21344	98.649	-0.010313
9.7437	100.775	115.179	980.789	1508.28	-0.004078	6.21281	98.5996	-0.011875
9.7447	100.501	115.179	981.017	1507.18	-0.004078	6.21375	98.7477	-0.008438
9.7457	100.501	115.179	979.418	1508.28	-0.004078	6.20937	98.4518	-0.014083
9.7467	101.049	115.729	979.418	1507.48	-0.004078	6.21082	98.0437	-0.011563
9.7477	100.912	114.788	980.332	1508	-0.004078	6.20989	98.4518	-0.011875
9.7487	100.501	115.317	980.332	1508.28	-0.004078	6.20989	98.5503	-0.010313
9.7497	100.638	115.317	980.103	1507.73	-0.004078	6.21187	98.649	-0.01125
9.7507	100.501	115.591	980.332	1509.23	-0.004078	6.20844	98.4518	-0.010938
9.7517	101.049	114.788	980.332	1507.73	-0.004078	6.20844	98.4518	-0.010313
9.7527	100.501	115.317	980.789	1507.73	-0.004078	6.21082	98.5009	-0.009888
9.7537	100.775	115.868	979.875	1508.1	-0.012228	6.20989	98.4518	-0.013125
9.7547	100.501	115.179	980.332	1507.48	-0.004078	6.21281	98.5503	-0.010313
9.7557	101.049	114.788	979.875	1507.48	-0.012228	6.20908	98.5996	-0.008438
9.7567	100.775	115.868	980.789	1507.48	-0.004078	6.18437	98.2542	-0.011875
9.7577	100.775	115.729	979.989	1508.91	-0.004078	6.18156	98.5503	-0.010938
9.7587	100.501	115.317	980.332	1508.28	-0.004078	6.13989	98.2049	-0.011875
9.7597	100.384	115.317	980.103	1507.73	-0.004078	6.19219	98.5503	-0.010938
9.7607	100.638	115.179	980.332	1507.18	-0.004078	6.22344	98.4023	-0.012813
9.7617	100.501	115.179	980.332	1507.48	0.02038	6.21438	98.2542	-0.013125
9.7627	100.501	115.317	980.58	1507.48	-0.004078	6.21989	98.2542	-0.012813
9.7637	100.501	115.317	980.789	1507.73	-0.004078	6.21719	98.4518	-0.010313
9.7647	100.227	115.179	981.017	1508.82	-0.004078	6.21781	98.5009	-0.010938
9.7657	100.501	115.317	979.418	1507.48	-0.004078	6.21438	98.2542	-0.010938
9.7667	101.049	114.905	981.245	1508.91	-0.004078	6.21344	98.2542	-0.007188
9.7677	100.501	115.317	980.103	1507.18	-0.004078	6.21219	98.2542	-0.012813
9.7687	99.9529	115.179	980.789	1507.32	-0.004078	6.20908	98.2542	-0.011875
9.7697	100.501	115.042	980.789	1507.59	-0.004078	6.21344	98.3038	-0.012813
9.7707	100.775	115.317	980.674	1508.91	-0.004078	6.21312	98.2542	-0.010625
9.7717	100.775	115.317	979.875	1507.59	-0.004078	6.21158	98.3038	-0.011875
9.7727	100.227	115.042	980.448	1508.14	-0.004078	6.21281	98.2542	-0.011563
9.7737	100.638	115.591	980.332	1507.48	-0.004078	6.21084	98.2542	-0.011563
9.7747	100.501	115.317	980.448	1507.73	-0.012228	6.21406	98.4518	-0.012188
9.7757	100.227	115.317	980.332	1508.1	-0.004078	6.21489	98.0588	-0.012188

9.7767	100.775	115.317	980.789	1507.48	-0.004078	6.21158	98.2542	-0.012188
9.7777	100.775	115.317	980.332	1507.05	-0.004078	6.18989	98.4023	-0.009688
9.7787	100.838	115.591	980.332	1507.05	-0.004078	6.16281	98.1555	-0.012188
9.7797	100.501	115.042	980.789	1508	-0.004078	6.14437	98.8464	-0.011875
9.7807	100.838	115.042	980.56	1507.73	-0.004078	6.18908	98.3529	-0.010938
9.7817	100.501	115.317	980.56	1507.05	-0.004078	6.22908	98.4518	-0.012188
9.7827	100.501	115.454	980.789	1507.48	-0.004078	6.21937	98.5009	-0.011875
9.7837	100.501	115.729	979.418	1507.32	-0.004078	6.22094	98.4518	-0.010938
9.7847	100.501	115.179	980.56	1507.18	0.02038	6.21989	98.3038	-0.010825
9.7857	100.501	115.317	980.217	1507.32	-0.004078	6.22094	98.2542	-0.010825
9.7867	100.912	115.868	980.103	1507.18	-0.008152	6.21989	98.0588	-0.012813
9.7877	100.775	114.768	980.332	1508.91	-0.004078	6.21719	98.2049	-0.011583
9.7887	100.912	115.317	981.588	1508.91	-0.004078	6.21438	98.4518	-0.008125
9.7897	100.501	114.905	980.217	1508.91	-0.004078	6.21219	98.1555	-0.012813
9.7907	100.501	115.591	980.332	1508.91	-0.004078	6.21489	98.2542	-0.011583
9.79171	100.912	115.868	980.103	1507.18	-0.004078	6.21489	98.4518	-0.012188
9.79271	100.384	115.042	980.103	1507.18	0.024458	6.21658	98.2542	-0.012813
9.79371	100.838	115.317	980.332	1507.18	-0.004078	6.21489	98.4023	-0.0125
9.79471	100.501	115.317	980.56	1507.18	0.016304	6.21281	98.3529	-0.012188
9.79571	100.501	115.317	979.875	1508.77	-0.004078	6.21858	98.2542	-0.012813
9.79671	100.775	115.591	979.875	1508.91	-0.004078	6.21489	98.1555	-0.012188
9.79771	100.501	115.317	980.56	1508.23	0.024458	6.20989	98.2542	-0.01125
9.79871	100.775	115.868	979.418	1508.91	-0.004078	6.18187	98.2542	-0.011583
9.79971	100.501	115.042	980.103	1507.05	-0.004078	6.18094	98.2542	-0.010938
9.80071	101.049	115.317	979.418	1507.32	-0.004078	6.14489	98.3529	-0.012813
9.80171	100.227	115.317	980.56	1507.05	-0.004078	6.19375	98.7477	-0.010825
9.80271	100.501	115.317	980.332	1507.05	-0.004078	6.22844	98.2542	-0.011583
9.80371	100.775	115.729	979.875	1508.64	0.02038	6.21781	98.2542	-0.011583
9.80471	101.049	114.83	980.56	1507.18	-0.004078	6.22281	98.2542	-0.010825
9.80571	101.049	115.179	979.989	1507.18	-0.008152	6.22094	98.1555	-0.011875
9.80671	100.775	115.179	980.103	1508.91	0.032609	6.22094	98.0588	-0.012188
9.80771	100.775	115.317	980.332	1507.32	-0.004078	6.22187	97.9582	-0.011875
9.80871	100.501	115.317	980.103	1508	-0.004078	6.21989	98.0588	-0.011583
9.80971	100.501	115.317	980.56	1508.64	-0.004078	6.21582	98.0588	-0.011583
9.81071	100.838	115.317	981.017	1508.91	-0.004078	6.21688	98.1555	-0.009083
9.81171	100.501	115.317	980.217	1507.18	-0.004078	6.21781	98.0075	-0.012188
9.81271	100.501	115.317	980.103	1507.18	-0.004078	6.21908	98.1082	-0.012813
9.81371	100.775	115.179	980.103	1507.32	-0.004078	6.21844	98.2542	-0.011583
9.81471	100.501	115.317	980.103	1508.64	-0.004078	6.21594	98.1555	-0.010938
9.81571	100.501	115.317	979.989	1507.18	-0.004078	6.21989	98.0588	-0.01125
9.81671	100.838	115.317	980.56	1508.38	-0.004078	6.21844	97.9582	-0.011583
9.81771	100.384	115.179	979.875	1508.64	0.044837	6.21812	97.8585	-0.011583
9.81871	100.501	114.768	980.56	1507.18	-0.004078	6.21094	98.0588	-0.010938
9.81971	100.501	115.042	980.56	1507.59	-0.008152	6.18408	98.0075	-0.010825
9.82071	100.838	115.868	980.332	1507.18	-0.004078	6.18344	98.0075	-0.01125
9.82171	100.775	114.768	980.103	1508.38	-0.012228	6.14344	98.0588	-0.010313
9.82271	100.384	115.317	980.874	1508.5	-0.004078	6.19489	98.0588	-0.012813
9.82371	100.838	115.317	980.103	1508.64	-0.004078	6.22719	98.2049	-0.011583
9.82471	100.501	115.042	980.332	1507.05	-0.004078	6.21858	97.8585	-0.012813
9.82571	100.501	115.179	980.217	1508.64	-0.004078	6.22219	97.7114	-0.01125
9.82671	100.501	115.179	979.989	1508.08	-0.004078	6.21989	98.2542	-0.011875
9.82771	100.501	115.179	980.332	1507.73	0.024458	6.21989	97.9582	-0.011875

9.82871	100.501	114.905	980.56	1507.05	0.032809	6.22082	97.9582	-0.011875
9.82971	100.775	115.317	980.103	1505.95	-0.024458	6.21688	97.9088	-0.010938
9.83071	100.501	115.317	980.448	1508.28	-0.004076	6.21584	97.8595	-0.012813
9.83171	100.775	115.179	980.56	1506.64	-0.004076	6.21438	98.1555	-0.012813
9.83271	100.775	115.729	980.103	1508.77	-0.004076	6.21584	98.0568	-0.010825
9.83371	100.775	115.179	980.332	1506.84	-0.032809	6.21719	97.7608	-0.011583
9.83471	100.638	115.179	980.332	1507.46	-0.004076	6.21719	98.0568	-0.011583
9.83571	100.638	115.317	980.103	1506.36	-0.004076	6.21584	98.3036	-0.010938
9.83671	99.9528	115.317	979.875	1506.84	-0.004076	6.21908	98.0075	-0.010938
9.83771	100.638	115.179	980.332	1506.64	-0.004076	6.21844	98.0075	-0.013125
9.83871	100.638	115.317	979.988	1506.64	-0.004076	6.21908	97.9582	-0.012813
9.83971	100.775	115.591	980.217	1506.23	0.028532	6.21312	97.9582	-0.010938
9.84071	100.775	115.179	980.332	1506.91	-0.004076	6.18875	97.8595	-0.011583
9.84171	100.638	115.317	980.332	1507.32	-0.004076	6.18594	98.1082	-0.012813
9.84271	100.501	115.042	980.332	1507.59	-0.02038	6.14656	98.0075	-0.012188
9.84371	101.049	114.768	980.332	1506.23	-0.004076	6.20469	97.9088	-0.010938
9.84471	100.775	115.317	980.217	1506.65	-0.004076	6.22844	98.0568	-0.01375
9.84571	100.912	115.591	979.418	1505.95	-0.004076	6.21989	97.9582	-0.013438
9.84671	100.638	115.179	979.761	1505.95	-0.004076	6.22469	98.2542	-0.010938
9.84771	99.9528	115.317	980.332	1507.05	-0.004076	6.22408	98.1555	-0.012813
9.84871	100.501	115.042	980.674	1506.91	-0.004076	6.22813	98.0568	-0.011875
9.84971	100.501	115.317	980.103	1506.5	-0.004076	6.22084	98.0075	-0.012813
9.85071	100.501	115.317	980.332	1506.84	0.036685	6.21844	97.9582	-0.010938
9.85171	100.775	115.042	980.217	1506.08	-0.018304	6.21806	98.0075	-0.011583
9.85271	100.501	115.317	980.332	1507.59	-0.004076	6.21837	98.1555	-0.010938
9.85371	100.775	115.317	980.56	1505.55	-0.004076	6.22084	98.0075	-0.010825
9.85471	100.227	115.317	980.103	1506.09	-0.004076	6.21844	98.0568	-0.010825
9.85571	100.912	115.317	979.875	1505.27	-0.028532	6.21408	97.8595	-0.013438
9.85671	100.638	115.317	980.332	1506.5	-0.004076	6.22084	97.8595	-0.012813
9.85771	100.638	115.729	979.418	1506.64	-0.004076	6.21844	98.1082	-0.010825
9.85871	100.227	115.317	980.56	1506.77	0.02038	6.22156	97.8595	-0.012813
9.85971	100.638	115.179	980.217	1506.36	-0.004076	6.22344	98.1082	-0.010938
9.86071	100.775	115.317	980.103	1506.36	-0.004076	6.21219	97.8595	-0.012188
9.86171	100.501	115.179	980.217	1506.64	0.02038	6.18937	97.7114	-0.012188
9.86271	101.049	115.317	979.875	1506.09	-0.004076	6.16406	97.9582	-0.011583
9.86371	100.501	115.317	979.875	1505.55	-0.004076	6.14719	98.0075	-0.012813
9.86471	100.501	115.317	980.674	1505.95	-0.004076	6.20844	98.1555	-0.010938
9.86571	100.501	115.317	980.56	1505.55	-0.004076	6.22718	98.0568	-0.010938
9.86671	100.501	115.317	980.103	1505.82	-0.004076	6.22219	97.7608	-0.013125
9.86771	100.912	115.868	979.418	1506.36	-0.012228	6.22408	98.1555	-0.011583
9.86871	99.9528	115.317	980.332	1506.64	-0.004076	6.22408	98.2542	-0.010938
9.86971	100.775	115.868	979.989	1506.23	-0.004076	6.22469	97.8595	-0.010938
9.87071	100.912	114.905	980.448	1505.85	-0.004076	6.22344	97.9088	-0.010825
9.87171	100.638	115.317	979.418	1506.08	-0.004076	6.22084	97.8595	-0.0125
9.87271	100.501	115.317	980.332	1506.23	0.057065	6.21989	98.1082	-0.012813
9.87371	99.9528	115.317	979.989	1506.36	-0.004076	6.21844	98.0568	-0.011583
9.87471	100.775	115.868	980.56	1505.82	-0.004076	6.21869	97.8101	-0.012188
9.87571	100.501	115.042	979.875	1506.09	-0.004076	6.21719	98.0568	-0.012813
9.87671	100.501	115.317	979.875	1505.82	-0.008152	6.21837	98.0568	-0.012813
9.87771	100.384	115.179	979.418	1504.32	-0.052889	6.21719	97.4647	-0.013438
9.87871	100.501	115.317	980.103	1504.73	-0.012228	6.21856	97.9582	-0.011875
9.87971	100.775	115.317	980.56	1506.64	-0.004076	6.21889	98.2542	-0.011583

9.88071	100.501	115.317	980.332	1506.36	-0.004076	8.21969	97.8595	-0.013125
9.88171	100.775	115.317	980.903	1506.64	-0.004076	8.21219	97.8595	-0.012813
9.88271	100.838	115.317	979.875	1506.5	-0.008152	8.18187	98.3529	-0.009063
9.88371	100.501	115.179	980.217	1506.95	-0.004076	8.16219	97.8101	-0.010838
9.88471	100.501	115.317	980.56	1506.5	-0.004076	8.14906	98.0588	-0.010938
9.88571	100.838	115.042	980.217	1506.82	-0.012228	8.20989	98.0588	-0.009063
9.88671	100.912	114.768	980.56	1506.5	-0.004076	8.23125	97.8595	-0.012813
9.88771	100.501	115.042	980.56	1506.82	-0.004076	8.22531	97.8595	-0.010313
9.88871	100.775	115.317	980.103	1505.55	-0.02038	8.22219	97.8821	-0.014083
9.88971	100.775	115.317	979.418	1505.55	-0.004076	8.22406	97.8101	-0.013438
9.89071	100.501	114.768	980.332	1505.55	-0.004076	8.22158	98.4023	-0.01125
9.89171	100.838	115.317	980.103	1506.36	-0.024468	8.22219	97.8582	-0.010938
9.89271	100.501	115.042	980.332	1505.55	-0.008152	8.22312	97.9582	-0.0125
9.89371	100.838	115.179	979.875	1505.55	-0.004076	8.21825	97.7508	-0.012813
9.89471	100.838	115.317	980.769	1505.55	0.057065	8.21969	98.1062	-0.010825
9.89571	100.364	114.905	980.56	1506.98	-0.004076	8.21844	98.0075	-0.011875
9.89671	100.364	115.317	980.103	1506.36	-0.02038	8.21888	97.8595	-0.012813
9.89771	100.838	115.317	980.332	1505.95	-0.004076	8.21937	98.2542	-0.012813
9.89871	100.775	115.317	980.332	1505.41	-0.004076	8.21781	98.0588	-0.011563
9.89971	100.501	115.581	979.075	1504.45	-0.036885	8.21719	97.5834	-0.010938
9.90071	100.501	115.581	979.304	1506.09	-0.004076	8.21837	98.0588	-0.012813
9.90171	100.912	115.317	980.217	1506.64	-0.004076	8.21908	98.2542	-0.010625
9.90271	100.838	115.729	980.332	1506.64	-0.004076	8.21158	98.1555	-0.011563
9.90371	100.501	115.581	980.103	1506.64	-0.004076	8.18594	98.1555	-0.011563
9.90471	99.9526	115.317	980.217	1506.09	-0.004076	8.18219	98.1062	-0.011563
9.90571	100.501	115.179	980.103	1506.64	-0.004076	8.14856	97.9582	-0.0125
9.90671	100.501	115.729	980.332	1505.82	-0.004076	8.21858	98.1062	-0.010625
9.90771	100.09	115.179	980.103	1505.95	-0.004076	8.22906	97.9088	-0.012813
9.90871	100.501	115.317	980.768	1505.82	-0.004076	8.22281	98.1555	-0.010938
9.90971	100.775	115.729	979.989	1505.95	-0.004076	8.22584	98.1062	-0.010625
9.91071	100.838	115.317	980.103	1504.45	-0.036885	8.22187	97.4847	-0.013438
9.91171	100.364	115.317	980.332	1505.55	-0.004076	8.22281	97.7808	-0.013125
9.91271	101.049	115.868	979.875	1505.41	-0.004076	8.22219	98.5009	-0.013438
9.91371	100.364	115.581	979.761	1505.95	-0.004076	8.21969	97.8595	-0.012188
9.91471	100.501	115.317	980.332	1506.36	-0.004076	8.22469	98.1555	-0.012188
9.91571	100.501	115.317	980.332	1506.09	-0.004076	8.22094	98.0075	-0.011875
9.91671	100.838	115.317	980.332	1505.55	0.036885	8.22187	98.0075	-0.0125
9.91771	100.501	115.317	980.103	1506.36	-0.004076	8.22219	98.0588	-0.011563
9.91871	100.501	115.179	979.875	1505.55	-0.004076	8.21969	98.1555	-0.010625
9.91971	100.838	115.454	980.332	1506.98	-0.004076	8.22094	97.9582	-0.011563
9.92071	100.364	115.179	980.56	1505.82	-0.004076	8.22219	98.1555	-0.012188
9.92171	100.838	114.768	980.103	1505.55	-0.036885	8.21969	97.9582	-0.010938
9.92271	100.501	114.905	980.217	1504.45	-0.004076	8.22406	97.9582	-0.014083
9.92371	100.775	115.179	980.103	1505.41	-0.004076	8.21219	98.3529	-0.011875
9.92471	100.775	115.317	979.875	1505.41	-0.004076	8.18489	98.2542	-0.011875
9.92571	100.838	115.317	979.875	1505.55	-0.004076	8.16281	98.3096	-0.010313
9.92671	100.501	115.317	980.332	1505.55	-0.004076	8.15582	97.9582	-0.011563
9.92771	100.838	115.317	980.103	1505.55	-0.004076	8.23281	97.8595	-0.012188
9.92871	100.838	115.581	979.648	1505.55	-0.004076	8.22594	98.0075	-0.011563
9.92971	100.838	115.179	980.768	1504.88	-0.008152	8.22844	98.0588	-0.0125
9.93072	100.775	115.868	979.761	1505.82	-0.004076	8.22969	98.1062	-0.011563
9.93172	100.838	115.179	980.332	1505.27	-0.018304	8.22469	98.2049	-0.012813

9.93272	100.776	115.317	980.903	1504.86	-0.012228	6.22719	97.8595	-0.011563
9.93372	100.638	115.591	979.418	1505.41	-0.004078	6.22489	98.0075	-0.0125
9.93472	101.323	115.042	979.875	1506.27	-0.004078	6.22489	98.2542	-0.010313
9.93572	100.638	115.042	980.217	1506.82	-0.004078	6.22489	98.0075	-0.01125
9.93672	100.501	115.317	979.418	1505.55	-0.004078	6.22408	98.2049	-0.011875
9.93772	100.501	115.317	979.418	1505.95	-0.004078	6.22437	98.1555	-0.012188
9.93872	101.049	115.042	979.418	1505.55	-0.004078	6.22158	98.0568	-0.010625
9.93972	100.09	115.317	979.875	1505.55	0.024458	6.22219	98.0075	-0.012813
9.94072	100.501	115.317	980.332	1506.09	-0.004078	6.22281	97.9582	-0.011583
9.94172	100.501	115.179	980.217	1506.38	-0.004078	6.21989	98.2049	-0.013125
9.94272	101.049	114.788	980.217	1505.55	-0.012228	6.22344	98.0075	-0.012813
9.94372	100.775	115.317	980.789	1505.55	-0.004078	6.22584	98.0588	-0.010938
9.94472	100.501	115.317	979.418	1504.73	-0.004078	6.20908	97.8101	-0.014688
9.94572	100.501	115.317	980.332	1505.56	-0.004078	6.18156	98.3529	-0.012188
9.94672	101.049	114.788	980.103	1506.09	-0.004078	6.15969	97.8088	-0.012188
9.94772	100.912	115.317	980.332	1505.82	-0.004078	6.16219	98.1555	-0.009083
9.94872	100.775	115.317	980.56	1505.88	-0.004078	6.23584	97.8595	-0.01125
9.94972	101.049	114.788	979.989	1505.41	-0.004078	6.21989	97.8595	-0.012813
9.95072	100.227	115.179	980.789	1505.55	-0.004078	6.22719	98.1082	-0.011875
9.95172	100.501	115.317	980.56	1505.55	-0.004078	6.22312	97.9582	-0.010938
9.95272	100.775	115.317	979.418	1506.84	-0.004078	6.22656	97.8595	-0.011583
9.95372	100.775	115.317	980.103	1505	-0.004078	6.22584	97.7114	-0.011875
9.95472	100.775	115.317	981.245	1505.55	-0.004078	6.22084	97.7608	-0.008375
9.95572	100.227	115.179	979.418	1505	-0.012228	6.22084	97.8595	-0.013125
9.95672	100.775	115.317	980.332	1505.27	-0.004078	6.21937	98.2542	-0.012813
9.95772	100.775	115.317	980.103	1505.82	-0.004078	6.22312	97.9089	-0.012813
9.95872	100.775	115.179	980.217	1505.82	-0.004078	6.22489	97.9582	-0.010938
9.95972	100.775	115.317	980.448	1505.55	-0.004078	6.22084	98.1555	-0.010938
9.96072	100.775	115.317	980.332	1506.09	-0.012228	6.22281	98.0075	-0.010313
9.96172	100.638	115.317	980.56	1506.55	0.032609	6.21989	98.0075	-0.011583
9.96272	100.775	115.317	980.56	1505.41	-0.004078	6.21937	97.9582	-0.011583
9.96372	100.501	115.317	980.103	1506.84	-0.012228	6.22158	97.8595	-0.010938
9.96472	100.501	115.042	980.332	1505.41	-0.004078	6.22084	98.1082	-0.012813
9.96572	100.384	114.788	981.245	1505.27	-0.004078	6.20313	98.1555	-0.008438
9.96672	100.912	115.317	979.418	1505	-0.02038	6.17719	97.8101	-0.013438
9.96772	100.775	115.179	980.332	1506.09	-0.004078	6.15989	98.4518	-0.011583
9.96872	100.775	115.042	980.56	1506.09	-0.004078	6.15844	97.8595	-0.011583
9.96972	101.049	115.728	979.761	1505.55	-0.004078	6.23158	97.7114	-0.011875
9.97072	100.501	115.179	979.989	1505.41	-0.004078	6.22084	97.8595	-0.010625
9.97172	100.912	115.317	980.103	1505.14	0.024458	6.22489	97.8595	-0.010313
9.97272	100.775	115.317	980.332	1505.27	-0.004078	6.22312	97.8595	-0.011583
9.97372	100.775	115.317	980.332	1505.56	-0.012228	6.225	97.8821	-0.013125
9.97472	100.501	114.905	980.332	1507.46	-0.004078	6.22219	97.8821	-0.011875
9.97572	100.912	115.042	979.418	1505	-0.004078	6.22158	97.8101	-0.012188
9.97672	100.501	115.317	980.103	1505.41	-0.004078	6.21908	97.4847	-0.010938
9.97772	100.501	115.317	980.56	1505.27	-0.028532	6.21989	97.8821	-0.013125
9.97872	100.638	115.317	979.418	1505.27	-0.004078	6.21844	98.1555	-0.011583
9.97972	100.775	115.179	980.789	1505.27	-0.004078	6.21937	97.8127	-0.013125
9.98072	100.501	115.454	980.56	1505.55	0.02038	6.22344	97.8101	-0.011875
9.98172	100.775	115.591	979.418	1505	-0.004078	6.22158	97.5634	-0.010938
9.98272	100.638	115.179	980.103	1505	-0.004078	6.22125	97.8127	-0.012813
9.98372	99.9626	114.905	980.103	1505	0.044837	6.22312	97.8127	-0.010938

9.98472	100.775	115.317	980.332	1505.41	-0.004076	6.22281	97.6821	-0.010313
9.98572	100.775	115.317	979.418	1505.55	-0.004076	6.22094	97.5634	-0.010313
9.98672	100.501	115.317	979.781	1505.27	-0.004076	6.20406	97.5634	-0.01125
9.98772	100.775	115.179	981.131	1505.55	-0.016304	6.17781	97.4647	-0.007813
9.98872	100.912	115.042	979.781	1504.18	-0.004076	6.15825	97.6821	-0.0125
9.98972	100.912	115.179	980.217	1504.73	0.024456	6.15989	97.4647	-0.010938
9.99072	100.501	115.317	980.103	1505	-0.004076	6.23656	97.9582	-0.011563
9.99172	100.638	115.317	979.875	1505.27	-0.004076	6.22312	97.5634	-0.011875
9.99272	100.775	115.317	980.332	1505.41	-0.004076	6.22687	97.4647	-0.010313
9.99372	100.775	115.729	979.418	1505.27	-0.004076	6.22489	97.4647	-0.010313
9.99472	100.227	115.317	980.332	1505.27	-0.004076	6.22489	97.2673	-0.012813
9.99572	100.775	115.317	979.781	1505.14	-0.02038	6.22344	97.4647	-0.010938
9.99672	100.501	115.179	979.418	1508.09	-0.004076	6.22531	97.4647	-0.012188
9.99772	100.775	115.591	979.781	1504.18	-0.004076	6.21969	97.4154	-0.011563
9.99872	100.09	115.042	979.875	1504.45	-0.004076	6.21906	97.2673	-0.011563
9.99972	100.501	115.317	979.304	1504.86	-0.008152	6.21781	97.4647	-0.011563
10.0007	100.638	115.042	979.989	1505.55	-0.008152	6.22219	97.7608	-0.012813
10.0017	100.501	115.317	980.332	1505.27	-0.004076	6.22406	97.3187	-0.012188
10.0027	100.775	115.317	979.781	1504.45	-0.004076	6.22219	97.2673	-0.010938
10.0037	100.638	115.317	979.989	1504.73	-0.004076	6.22594	97.2673	-0.010938
10.0047	100.501	115.317	979.418	1504.59	-0.004076	6.22344	97.366	-0.010313
10.0057	100.775	115.317	979.875	1505	0.028532	6.22406	97.4647	-0.010625
10.0067	100.775	115.179	979.875	1505	-0.004076	6.22844	97.2673	-0.011875
10.0077	100.912	115.317	980.103	1505.41	-0.004076	6.2075	97.366	-0.012188
10.0087	101.323	114.63	980.332	1505	-0.004076	6.17989	97.366	-0.011563
10.0097	100.638	115.317	981.245	1505	-0.004076	6.15989	97.4647	-0.008438
10.0107	100.775	115.591	979.418	1504.86	-0.004076	6.16344	97.4647	-0.012813
10.0117	100.638	115.317	980.789	1505.41	0.032809	6.23989	97.4647	-0.011875
10.0127	100.775	115.454	979.989	1505	-0.004076	6.22219	97.8595	-0.010938
10.0137	100.775	115.317	979.875	1504.73	0.024456	6.22989	97.4647	-0.011875
10.0147	100.775	115.317	980.217	1505.56	0.024456	6.22656	97.4647	-0.011563
10.0157	100.775	115.317	980.217	1504.73	-0.004076	6.22594	97.366	-0.011563
10.0167	100.638	115.317	979.989	1505	0.048913	6.22887	97.3187	-0.012188
10.0177	100.501	115.868	980.103	1504.45	-0.004076	6.22344	97.3187	-0.01125
10.0187	100.775	115.317	980.217	1504.45	-0.004076	6.22156	97.4647	-0.01
10.0197	101.049	114.493	979.781	1504.32	-0.004076	6.22084	97.4647	-0.010938
10.0207	100.775	115.591	980.789	1504.45	-0.004076	6.22094	97.1688	-0.010313
10.0217	101.049	115.317	979.418	1505	-0.004076	6.22406	97.4647	-0.012188
10.0227	101.049	114.768	979.781	1504.45	0.024456	6.22156	97.6621	-0.01125
10.0237	101.049	114.905	979.875	1504.45	-0.004076	6.22281	97.4154	-0.012813
10.0247	100.775	115.317	980.217	1504.59	-0.004076	6.22187	97.4647	-0.011563
10.0257	100.638	115.317	980.332	1506	-0.012228	6.22489	97.366	-0.012188
10.0267	100.775	115.317	980.332	1505	-0.004076	6.22531	97.4154	-0.010313
10.0277	100.775	115.317	980.103	1505	-0.004076	6.22094	97.1888	-0.012188
10.0287	100.775	115.317	980.332	1504.18	-0.004076	6.19989	97.366	-0.011563
10.0297	100.775	115.179	980.103	1505.55	-0.02038	6.17719	97.218	-0.013125
10.0307	100.638	115.317	980.332	1504.45	-0.004076	6.16469	97.2673	-0.011875
10.0317	100.912	115.179	980.332	1503.91	-0.004076	6.17219	97.218	-0.011563
10.0327	101.049	114.63	980.217	1504.18	-0.004076	6.23781	97.4154	-0.011563
10.0337	100.775	115.591	979.418	1504.73	-0.004076	6.22219	97.366	-0.011875
10.0347	100.775	115.317	979.989	1504.86	-0.004076	6.22844	97.2673	-0.010313
10.0357	100.775	115.886	980.103	1504.04	-0.004076	6.22469	97.4154	-0.011563

10.0367	100.775	115.591	980.56	1504.18	-0.004076	6.22719	97.1886	-0.010625
10.0377	100.638	115.179	979.989	1504.73	0.024456	6.22469	97.07	-0.01125
10.0387	100.384	115.317	979.875	1504.59	0.048913	6.22375	97.218	-0.010625
10.0397	101.049	115.591	980.332	1505	-0.004076	6.22158	97.366	-0.010625
10.0407	100.638	115.317	980.332	1504.45	-0.004076	6.22082	97.4647	-0.011875
10.0417	100.09	115.317	979.989	1504.88	-0.004076	6.22281	97.1886	-0.011563
10.0427	100.501	115.317	979.875	1504.18	-0.012228	6.22084	97.07	-0.010313
10.0437	100.638	115.042	980.217	1504.73	-0.02038	6.21906	97.2673	-0.013125
10.0447	100.775	115.317	979.875	1504.73	-0.004076	6.22187	97.2673	-0.011875
10.0457	100.912	115.042	980.332	1505	-0.004076	6.22219	97.2673	-0.012813
10.0467	100.775	115.317	980.103	1504.45	0.028532	6.22469	97.1886	-0.012188
10.0477	100.638	115.317	980.103	1504.73	-0.004076	6.22719	97.1886	-0.012813
10.0487	100.775	115.179	980.103	1503.91	-0.004076	6.21888	97.2673	-0.010938
10.0497	100.775	115.179	979.875	1504.45	0.02038	6.19468	97.3167	-0.011583
10.0507	100.775	114.788	980.103	1504.45	-0.004076	6.17094	97.2873	-0.011583
10.0517	99.9526	115.317	980.103	1505.27	-0.004076	6.15094	97.4647	-0.009688
10.0527	100.227	115.179	980.56	1504.45	0.02038	6.18158	97.218	-0.012813
10.0537	100.775	115.179	980.332	1503.36	-0.004076	6.23781	97.366	-0.011583
10.0547	100.775	115.317	980.332	1503.36	-0.012228	6.22281	96.8728	-0.012813
10.0557	101.323	115.042	979.418	1504.18	-0.004076	6.22719	97.4647	-0.012188
10.0567	100.638	115.317	979.418	1504.18	-0.004076	6.22469	97.4647	-0.012188
10.0577	100.501	115.042	979.875	1504.18	-0.004076	6.22469	97.218	-0.012188
10.0587	100.912	115.179	980.332	1504.73	-0.004076	6.22469	97.2673	-0.01125
10.0597	100.227	115.317	980.103	1503.91	-0.004076	6.22084	97.3167	-0.010938
10.0607	100.638	115.317	979.875	1504.45	0.038885	6.22158	97.366	-0.011875
10.0617	100.638	115.317	980.103	1504.45	-0.004076	6.21806	97.2673	-0.011563
10.0627	100.384	115.317	980.217	1504.59	-0.004076	6.22344	97.218	-0.010938
10.0637	100.912	115.317	979.418	1503.36	-0.004076	6.22062	97.4647	-0.012813
10.0647	100.638	115.179	979.875	1503.91	-0.004076	6.22158	97.4647	-0.007813
10.0657	100.775	115.317	980.332	1503.91	-0.004076	6.21989	97.07	-0.013438
10.0667	100.775	115.317	979.418	1504.32	-0.004076	6.21844	97.2673	-0.011583
10.0677	100.775	115.042	979.875	1503.91	-0.008152	6.22312	97.6127	-0.010938
10.0687	100.638	115.317	979.418	1503.91	-0.004076	6.22219	97.07	-0.010938
10.0697	100.775	115.179	979.418	1504.18	-0.004076	6.21937	97.366	-0.011563
10.0707	101.049	115.317	979.989	1504.45	-0.004076	6.19438	97.218	-0.010625
10.0717	100.912	115.042	979.761	1503.36	0.028532	6.18969	97.2673	-0.010313
10.0727	100.775	114.905	980.332	1504.45	-0.004076	6.15031	97.07	-0.011875
10.0737	100.912	114.905	980.217	1505.27	-0.004076	6.17858	97.2673	-0.010313
10.0747	100.912	115.317	980.103	1504.18	-0.004076	6.23656	97.4647	-0.012188
10.0757	100.912	115.317	979.989	1503.91	-0.038885	6.22158	97.2673	-0.010938
10.0767	101.049	115.591	979.875	1503.36	-0.038885	6.22469	96.8728	-0.01375
10.0777	100.775	115.042	980.103	1504.18	0.024456	6.22656	97.0206	-0.012813
10.0787	100.501	115.317	979.875	1503.91	-0.004076	6.22469	97.366	-0.011583
10.0797	101.049	115.317	980.332	1503.36	-0.004076	6.22344	97.07	-0.010313
10.0807	100.912	115.179	980.332	1504.58	-0.004076	6.22375	97.2673	-0.011583
10.0817	100.638	115.317	979.989	1504.18	-0.004076	6.21906	97.07	-0.010625
10.0827	100.227	115.317	980.332	1504.45	-0.004076	6.22125	97.1886	-0.011563
10.0837	100.775	115.454	979.418	1503.36	-0.004076	6.21989	96.9713	-0.011583
10.0847	100.501	115.317	979.418	1505.55	-0.004076	6.22219	97.0206	-0.012188
10.0857	100.912	115.317	979.418	1503.36	-0.012228	6.21989	97.07	-0.010313
10.0867	100.638	115.317	979.418	1504.18	-0.004076	6.22219	97.1193	-0.010313
10.0877	100.638	115.317	979.418	1503.91	-0.040761	6.21989	96.6752	-0.014063

10.0887	100.838	115.317	979.418	1503.36	-0.004076	6.21969	97.1686	-0.013125
10.0897	100.501	115.317	979.989	1503.91	-0.004076	6.21989	97.218	-0.012188
10.0907	100.638	115.317	979.761	1504.32	-0.004076	6.22344	96.8726	-0.012188
10.0917	100.638	115.317	979.418	1503.91	-0.012228	6.19989	97.07	-0.012813
10.0927	100.912	115.317	980.103	1503.36	-0.008152	6.17312	96.8726	-0.012813
10.0937	100.364	115.317	980.103	1503.36	0.040761	6.15219	97.07	-0.010938
10.0947	100.775	115.179	980.103	1504.45	-0.004076	6.18531	97.0206	-0.010625
10.0957	100.227	115.179	979.989	1503.36	-0.004076	6.23969	97.218	-0.012813
10.0967	100.912	115.317	980.103	1504.45	-0.004076	6.22219	96.9713	-0.011563
10.0977	101.049	116.003	980.217	1503.36	-0.004076	6.22908	96.6752	-0.013438
10.0987	100.775	115.317	978.847	1502.27	-0.044837	6.22219	96.4778	-0.014375
10.0997	101.049	115.179	980.103	1503.36	-0.004076	6.22489	96.8752	-0.011563
10.1007	100.227	115.179	980.58	1503.36	-0.004076	6.22719	97.2673	-0.011563
10.1017	100.501	115.042	980.332	1503.91	-0.004076	6.22489	96.8726	-0.01125
10.1027	100.638	115.317	979.875	1503.91	-0.004076	6.22658	97.07	-0.010938
10.1037	100.638	115.317	980.103	1503.36	-0.004076	6.22219	96.8726	-0.011563
10.1047	101.049	114.788	979.875	1503.91	0.024456	6.22344	96.9713	-0.012188
10.1057	100.364	115.179	979.418	1503.36	-0.004076	6.22406	97.07	-0.012813
10.1067	101.188	114.788	980.103	1503.91	-0.004076	6.22312	96.9713	-0.010625
10.1077	100.775	115.591	979.418	1503.36	-0.02038	6.22219	97.1193	-0.010938
10.1087	100.912	115.317	980.103	1503.22	-0.004076	6.22281	97.0206	-0.009688
10.1097	100.775	115.179	979.875	1501.99	-0.032609	6.21719	96.8752	-0.013438
10.1107	100.638	115.179	979.304	1503.36	0.02038	6.22344	96.7739	-0.013438
10.1117	100.638	114.905	979.781	1502.81	-0.004076	6.22094	97.4647	-0.011563
10.1127	100.501	115.317	979.418	1503.36	-0.004076	6.19812	96.9713	-0.012188
10.1137	100.775	115.317	980.103	1503.36	-0.004076	6.17438	97.07	-0.010938
10.1147	101.323	114.788	979.875	1503.36	-0.004076	6.15219	96.9219	-0.012188
10.1157	101.188	114.788	979.989	1503.36	0.044837	6.18594	97.07	-0.011563
10.1167	100.775	115.042	980.103	1503.36	-0.004076	6.23844	96.7739	-0.011563
10.1177	100.501	115.317	980.103	1503.36	-0.004076	6.22594	97.07	-0.011875
10.1187	100.912	115.317	980.332	1504.73	-0.004076	6.22669	97.0206	-0.010625
10.1197	100.501	115.179	980.332	1503.22	-0.004076	6.22908	97.0206	-0.011563
10.1207	100.912	115.317	978.981	1502.13	-0.032609	6.22719	96.5785	-0.014083
10.1217	100.775	115.179	979.875	1503.22	-0.004076	6.22781	97.07	-0.014083
10.1227	100.912	115.317	979.875	1502.81	-0.004076	6.22531	97.388	-0.01375
10.1237	100.638	115.454	980.874	1504.18	-0.004076	6.22531	96.9713	-0.012813
10.1247	100.775	115.317	980.103	1503.36	-0.004076	6.22406	97.218	-0.011563
10.1257	100.775	115.317	979.418	1503.36	0.028532	6.22312	97.1686	-0.010625
10.1267	100.638	115.729	979.875	1503.36	-0.004076	6.22406	96.8726	-0.012188
10.1277	100.775	115.317	980.103	1503.36	-0.004076	6.22406	96.9713	-0.013125
10.1287	100.912	115.591	978.961	1502.95	-0.004076	6.22219	96.8726	-0.012813
10.1297	100.912	115.317	979.875	1503.36	-0.004076	6.21869	96.9713	-0.011563
10.1307	100.775	115.179	979.875	1503.22	-0.004076	6.22344	97.07	-0.011563
10.1317	100.775	115.179	979.418	1502.27	-0.040761	6.21969	96.4778	-0.013438
10.1327	100.775	115.179	979.304	1503.09	-0.004076	6.21125	97.2673	-0.012813
10.1337	100.364	114.905	979.875	1503.36	-0.004076	6.18844	97.388	-0.011875
10.1347	101.323	115.042	979.418	1503.36	-0.004076	6.18718	97.1193	-0.010938
10.1357	100.912	115.317	979.075	1502.81	-0.008152	6.15468	97.07	-0.010625
10.1367	101.049	115.591	979.418	1503.36	-0.004076	6.21281	97.07	-0.010313
10.1377	101.049	115.317	979.875	1503.36	0.028532	6.23406	97.1686	-0.01125
10.1387	100.775	115.888	979.189	1503.36	-0.008152	6.22489	96.9713	-0.011563
10.1397	100.912	115.317	980.332	1503.36	-0.016304	6.22658	96.8726	-0.011875

10.1407	101.049	115.729	979.869	1504.04	-0.004076	6.22875	96.9713	-0.011563
10.1417	100.912	115.317	979.418	1502.81	-0.004076	6.22844	96.8752	-0.012188
10.1427	100.775	115.317	979.418	1503.36	-0.008152	6.22719	96.8726	-0.011563
10.1437	100.775	115.317	979.189	1502.27	-0.02038	6.22489	96.8219	-0.01375
10.1447	100.912	115.179	980.103	1503.36	-0.004076	6.22219	97.5634	-0.010313
10.1457	100.838	115.317	979.875	1503.22	0.02038	6.22187	96.8219	-0.011563
10.1467	101.049	115.042	979.869	1503.36	-0.004076	6.22531	97.07	-0.011563
10.1477	100.838	115.317	979.869	1503.36	-0.004076	6.22437	97.0206	-0.012188
10.1487	100.775	115.729	979.418	1502.95	-0.004076	6.22656	96.8726	-0.011563
10.1497	100.775	115.317	979.875	1503.36	0.024456	6.22489	97.07	-0.011563
10.1507	100.501	115.317	979.875	1502.81	-0.004076	6.22489	97.386	-0.010313
10.1517	100.775	115.729	980.103	1503.36	-0.004076	6.22687	97.0206	-0.010313
10.1527	100.912	115.317	979.418	1502.54	-0.012228	6.22594	96.9713	-0.011563
10.1537	100.775	115.317	980.446	1502.27	-0.008152	6.21344	96.8726	-0.010313
10.1547	100.912	115.317	979.875	1503.09	-0.004076	6.18844	97.0206	-0.012188
10.1557	100.912	115.317	980.103	1503.09	-0.012228	6.16719	97.2673	-0.010938
10.1567	100.775	115.581	980.217	1503.36	-0.004076	6.15687	96.8726	-0.012813
10.1577	100.838	115.317	979.875	1503.09	-0.004076	6.23281	97.218	-0.011875
10.1587	100.775	115.042	979.875	1503.22	-0.004076	6.23406	97.1686	-0.012813
10.1597	100.912	115.179	979.875	1502.81	-0.004076	6.22989	97.07	-0.010625
10.1607	100.227	115.317	979.875	1502.95	0.02038	6.23031	97.2673	-0.010313
10.1617	100.775	115.868	978.961	1503.09	-0.012228	6.22989	97.07	-0.012813
10.1627	100.912	115.317	979.875	1503.36	-0.004076	6.22844	97.07	-0.013438
10.1637	100.838	115.591	979.875	1503.36	-0.004076	6.23062	97.0206	-0.011563
10.1647	100.227	115.317	980.58	1502.95	-0.004076	6.22844	96.8713	-0.008375
10.1657	101.049	114.768	979.418	1503.22	-0.004076	6.22489	96.9713	-0.011563
10.1667	100.775	115.317	979.875	1502.81	-0.004076	6.22856	97.4647	-0.012188
10.1677	100.775	115.317	979.875	1502.81	-0.004076	6.22875	97.0206	-0.011563
10.1687	100.775	115.317	980.103	1503.36	-0.004076	6.22563	96.9219	-0.011563
10.1697	100.775	115.317	979.875	1502.81	-0.004076	6.22344	97.07	-0.010625
10.1707	101.049	114.905	979.418	1502.81	-0.004076	6.22375	97.0206	-0.012813
10.1717	101.049	115.179	980.217	1502.27	0.024456	6.22719	96.9219	-0.011875
10.1727	100.912	115.591	978.961	1503.36	-0.004076	6.22656	97.07	-0.01125
10.1737	100.838	115.042	979.418	1504.45	-0.004076	6.22719	97.0206	-0.011875
10.1747	100.912	115.317	979.989	1501.98	-0.02038	6.21281	97.07	-0.010938
10.1757	101.049	115.317	979.989	1503.09	-0.004076	6.18394	97.07	-0.010313
10.1767	100.775	115.179	979.418	1502.54	-0.004076	6.16625	96.8232	-0.012188
10.1777	100.912	115.179	979.761	1502.96	-0.004076	6.16406	97.386	-0.011563
10.1787	101.049	115.179	979.875	1502.68	0.024456	6.23969	97.1686	-0.012813
10.1797	100.501	115.317	979.418	1503.09	-0.004076	6.22969	96.9219	-0.012813
10.1807	101.049	115.317	979.646	1502.68	-0.004076	6.23156	96.9713	-0.011875
10.1817	100.501	115.317	980.103	1503.09	-0.004076	6.23156	97.0206	-0.011875
10.1827	100.838	115.317	979.418	1502.27	-0.004076	6.23094	97.07	-0.012188
10.1837	100.501	115.317	980.332	1501.72	-0.004076	6.22906	97.0206	-0.012188
10.1847	101.049	114.905	979.989	1503.09	-0.004076	6.22906	96.8713	-0.010313
10.1857	100.775	115.179	979.989	1503.36	-0.004076	6.22656	97.07	-0.01125
10.1867	101.323	115.042	980.58	1502.27	-0.004076	6.22781	96.9713	-0.007813
10.1877	101.46	114.768	979.075	1501.72	-0.004076	6.22656	96.8726	-0.011875
10.1887	100.227	115.317	979.875	1502.54	-0.004076	6.22594	96.8726	-0.012813
10.1897	100.775	115.317	980.103	1502.95	0.024456	6.22469	97.1686	-0.010938
10.1907	100.912	115.317	979.875	1503.22	-0.024456	6.22406	96.9219	-0.011563
10.1917	100.912	115.591	979.761	1503.09	-0.004076	6.22563	97.07	-0.011563

10.1927	101.46	115.317	979.418	1502.54	-0.004076	6.22656	96.8726	-0.011563
10.1937	100.912	115.179	980.332	1502.27	-0.004076	6.22656	97.0206	-0.012813
10.1947	101.049	115.179	979.875	1502.81	-0.004076	6.22656	96.8726	-0.011563
10.1957	101.049	115.729	979.418	1503.91	-0.004076	6.20594	96.9713	-0.011563
10.1967	101.049	115.591	980.332	1501.72	-0.012228	6.18094	96.8752	-0.012813
10.1977	101.186	115.591	979.761	1502.54	-0.004076	6.18219	96.9713	-0.010313
10.1987	100.912	114.493	979.075	1501.72	-0.008152	6.17469	97.0206	-0.01375
10.1997	100.912	115.317	980.332	1502.13	-0.004076	6.24437	97.366	-0.011563
10.2007	101.049	115.042	980.332	1502.27	0.02038	6.22687	97.07	-0.010313
10.2017	100.364	115.317	979.418	1502.54	-0.004076	6.23438	97.218	-0.011563
10.2027	100.501	115.179	979.875	1503.09	-0.004076	6.23344	96.8232	-0.010938
10.2037	100.775	115.317	980.103	1502.54	-0.004076	6.23094	97.0206	-0.011563
10.2047	101.049	115.317	979.989	1503.09	0.044837	6.23187	97.0206	-0.011563
10.2057	100.638	115.317	980.332	1502.13	-0.004076	6.22719	96.8752	-0.011563
10.2067	101.186	115.317	979.646	1503.09	-0.004076	6.22837	97.218	-0.012188
10.2077	100.775	115.317	979.418	1502.54	-0.008152	6.22531	96.8232	-0.010938
10.2087	101.049	115.866	980.332	1502.27	-0.012228	6.22656	97.07	-0.007813
10.2097	100.912	115.179	980.103	1502.54	-0.004076	6.22719	96.9219	-0.012813
10.2107	101.323	114.768	979.875	1502.81	-0.004076	6.22375	97.07	-0.011875
10.2117	100.912	115.317	980.332	1502.81	0.036685	6.22656	97.1193	-0.010313
10.2127	101.049	115.317	979.875	1502.81	-0.004076	6.22687	97.07	-0.010938
10.2137	100.775	115.317	980.103	1502.68	-0.004076	6.22563	96.8726	-0.012188
10.2147	100.912	115.179	979.418	1502.27	-0.004076	6.22469	96.8752	-0.012813
10.2157	100.638	115.591	979.989	1502.27	0.028532	6.21969	96.9713	-0.012188
10.2167	100.912	115.317	979.875	1502.27	-0.004076	6.19688	97.1686	-0.013438
10.2177	100.912	115.317	979.418	1503.36	-0.004076	6.17469	97.07	-0.011563
10.2187	101.049	115.591	979.418	1501.72	-0.008152	6.15344	97.07	-0.010938
10.2197	100.501	115.317	980.789	1502.54	-0.004076	6.19469	96.8726	-0.009375
10.2207	100.227	115.179	979.989	1502.27	-0.004076	6.23969	97.0206	-0.012188
10.2217	100.601	115.591	979.418	1502.13	-0.004076	6.22719	97.4647	-0.01125
10.2227	100.775	115.179	980.332	1502.81	-0.004076	6.23344	96.9713	-0.012188
10.2237	100.227	115.179	979.875	1502.4	-0.004076	6.23062	97.1686	-0.012813
10.2247	100.912	114.63	979.875	1502.27	-0.004076	6.23344	97.218	-0.011563
10.2257	100.775	115.591	980.56	1502.54	0.02038	6.22969	96.9713	-0.012813
10.2267	101.049	115.317	979.875	1502.68	0.036685	6.22719	96.9713	-0.011563
10.2277	100.775	115.179	979.418	1502.68	-0.004076	6.22719	97.1193	-0.010625
10.2287	100.912	115.454	979.761	1503.36	-0.004076	6.22406	96.9713	-0.010625
10.2297	101.186	115.042	979.418	1502.27	-0.012228	6.22969	96.8726	-0.012188
10.2307	101.049	115.042	980.56	1501.17	-0.02038	6.22656	96.8232	-0.01
10.2317	100.912	115.042	978.733	1501.99	-0.004076	6.22594	96.9713	-0.011563
10.2327	101.049	115.179	979.761	1502.27	-0.004076	6.22719	96.9713	-0.011875
10.2337	101.186	115.317	979.189	1502.27	-0.004076	6.22781	96.8726	-0.011875
10.2347	101.049	115.317	979.418	1502.54	-0.004076	6.22806	97.218	-0.009688
10.2357	101.049	115.591	979.418	1502.68	-0.004076	6.22675	96.9219	-0.010313
10.2367	100.775	115.317	979.304	1502.27	-0.004076	6.21906	96.8726	-0.011875
10.2377	100.912	115.179	980.332	1502.81	0.02038	6.19469	97.07	-0.012188
10.2387	100.775	115.317	979.418	1501.86	-0.008152	6.18969	97.1686	-0.013438
10.2397	101.049	115.866	978.961	1502.27	-0.004076	6.15375	96.9713	-0.011563
10.2407	101.049	115.317	979.761	1501.99	-0.004076	6.20781	97.1686	-0.010938
10.2417	101.186	114.905	980.903	1502.54	-0.004076	6.23781	97.07	-0.010313
10.2427	100.775	115.317	979.418	1501.99	-0.004076	6.22844	96.7245	-0.012188
10.2437	101.323	114.63	979.418	1501.86	-0.008152	6.22969	97.4647	-0.0125

10.2447	100.912	115.454	980.332	1502.27	-0.004076	6.23281	97.07	-0.012188
10.2457	100.384	115.042	980.103	1502.88	-0.004076	6.23219	96.8726	-0.011583
10.2467	100.775	115.317	979.875	1502.81	0.024456	6.23344	96.8726	-0.012613
10.2477	100.501	115.179	980.217	1502.54	0.02038	6.23125	96.7739	-0.011563
10.2487	101.049	115.317	979.189	1502.27	0.024456	6.22531	97.07	-0.012613
10.2497	101.323	114.905	979.875	1502.27	-0.004076	6.22625	96.9713	-0.011583
10.2507	100.775	115.317	980.103	1503.36	-0.004076	6.22656	96.6752	-0.011563
10.2517	101.323	114.905	979.875	1502.13	-0.004076	6.22687	97.2673	-0.010638
10.2527	100.775	115.317	979.875	1502.54	-0.004076	6.22844	96.6752	-0.013436
10.2537	100.775	115.317	979.875	1501.99	-0.004076	6.22406	96.9713	-0.010625
10.2547	100.912	115.317	979.875	1501.86	-0.004076	6.22989	97.7114	-0.010313
10.2557	101.323	114.768	979.646	1502.13	-0.004076	6.22906	97.0206	-0.01125
10.2567	100.775	115.042	979.875	1502.95	-0.004076	6.22719	96.9713	-0.012188
10.2577	101.049	115.042	979.969	1502.27	-0.004076	6.22219	97.07	-0.011875
10.2587	100.384	115.317	979.875	1502.27	-0.004076	6.19062	97.1686	-0.012188
10.2597	100.912	115.317	979.418	1502.88	0.052989	6.17031	97.0206	-0.0125
10.2607	100.775	115.317	980.332	1502.27	-0.004076	6.15812	96.9713	-0.0125
10.2617	100.912	115.317	979.875	1503.91	-0.004076	6.22869	97.1686	-0.012613
10.2627	100.912	115.317	979.418	1502.27	-0.004076	6.23406	96.9713	-0.013436
10.2637	100.775	115.179	979.761	1501.72	-0.004076	6.23406	96.9219	-0.010313
10.2647	100.912	115.179	980.332	1501.86	-0.004076	6.23594	96.8219	-0.0125
10.2657	100.775	115.179	979.418	1501.99	-0.004076	6.23469	97.1193	-0.010938
10.2667	101.049	115.042	979.875	1501.58	-0.004076	6.23344	97.2673	-0.012188
10.2677	100.912	115.729	979.761	1502.13	-0.004076	6.23438	97.0206	-0.011563
10.2687	101.049	115.866	979.418	1502.13	-0.004076	6.23219	97.07	-0.012188
10.2697	101.049	115.179	979.418	1502.54	0.028532	6.23062	96.5785	-0.013125
10.2707	100.912	115.317	979.418	1502.27	-0.004076	6.22719	96.8726	-0.010625
10.2717	100.775	115.317	980.103	1501.99	-0.004076	6.22781	96.7739	-0.010938
10.2727	100.775	115.729	979.875	1503.36	-0.004076	6.22989	96.9713	-0.011875
10.2737	101.049	115.317	979.418	1501.72	-0.024456	6.22719	96.8232	-0.012613
10.2747	100.638	115.317	979.418	1501.86	-0.004076	6.22844	96.6258	-0.012188
10.2757	101.597	114.768	980.103	1501.72	-0.008152	6.22719	96.5785	-0.010938
10.2767	101.049	115.454	979.418	1501.45	-0.008152	6.22687	96.8726	-0.01375
10.2777	100.775	115.317	980.217	1501.45	-0.004076	6.22989	97.3167	-0.012613
10.2787	100.775	115.179	979.418	1501.72	-0.004076	6.21281	96.8726	-0.012188
10.2797	100.638	115.179	979.875	1502.27	0.028532	6.18781	97.0206	-0.012188
10.2807	101.049	115.179	979.418	1502.13	-0.004076	6.18344	96.6752	-0.011875
10.2817	101.049	115.317	979.418	1501.99	0.044837	6.16469	96.8726	-0.011563
10.2827	101.049	115.317	979.418	1501.89	-0.024456	6.24156	96.7739	-0.011563
10.2837	100.638	115.317	980.217	1503.36	0.02038	6.22989	96.8726	-0.0125
10.2847	100.638	115.317	980.332	1501.45	-0.008152	6.23344	96.8232	-0.011563
10.2857	100.912	115.042	979.418	1502.27	-0.016304	6.23156	96.8726	-0.009688
10.2867	100.775	115.317	979.875	1501.88	-0.004076	6.22875	96.6765	-0.011875
10.2877	100.501	115.317	979.418	1501.72	-0.004076	6.23469	96.7739	-0.01125
10.2887	101.186	115.317	979.875	1502.27	-0.004076	6.23156	97.1886	-0.010313
10.2897	100.912	115.317	979.875	1501.99	-0.004076	6.22813	96.8752	-0.012188
10.2907	100.912	115.317	979.418	1502.13	0.02038	6.22844	97.07	-0.010313
10.2917	100.912	115.179	979.418	1501.99	0.02038	6.22594	96.6752	-0.010938
10.2927	100.775	115.317	979.875	1501.58	0.036685	6.22969	96.6752	-0.011663
10.2937	100.912	115.179	979.418	1501.99	-0.004076	6.22687	96.8752	-0.012188
10.2947	100.812	115.591	979.418	1502.81	-0.004076	6.22906	96.6258	-0.011875
10.2957	100.775	115.317	979.418	1502.13	-0.028532	6.22719	96.8232	-0.010938

10.2967	101.186	114.768	979.418	1501.72	-0.004076	6.22719	96.6752	-0.011563
10.2977	100.912	115.317	978.961	1500.36	-0.02038	6.22844	96.3791	-0.015313
10.2987	101.186	115.317	979.761	1500.63	-0.004076	6.22531	96.5765	-0.012813
10.2997	100.912	115.591	979.304	1501.66	-0.004076	6.20187	97.07	-0.010313
10.3007	100.912	115.317	980.332	1502.27	0.028532	6.18219	96.3791	-0.011563
10.3017	100.912	115.317	979.418	1501.17	-0.008152	6.18187	96.6752	-0.010313
10.3027	100.912	115.317	978.875	1501.45	-0.004076	6.17719	96.4778	-0.0125
10.3037	100.912	115.317	979.189	1501.99	-0.012228	6.24344	96.3791	-0.011875
10.3047	100.912	115.179	979.418	1501.58	-0.004076	6.22937	96.6258	-0.011563
10.3057	100.912	115.317	979.189	1501.17	-0.004076	6.23344	96.6258	-0.011875
10.3067	101.049	115.317	979.418	1500.9	-0.004076	6.23094	96.2804	-0.0125
10.3077	100.775	115.317	979.418	1501.99	-0.018304	6.23344	96.3791	-0.010313
10.3087	100.775	115.317	979.875	1501.45	-0.012228	6.22969	96.1817	-0.011875
10.3097	100.912	115.591	979.189	1501.72	-0.004076	6.22844	96.3791	-0.013125
10.3107	101.323	115.042	978.875	1501.99	-0.004076	6.22781	96.7739	-0.0125
10.3117	100.227	115.317	979.418	1501.99	-0.004076	6.22719	96.2804	-0.012188
10.3127	101.049	115.591	978.733	1501.17	-0.004076	6.22937	96.3791	-0.011875
10.3137	100.775	115.317	978.418	1501.72	-0.004076	6.22781	96.4285	-0.012813
10.3147	100.912	115.317	979.418	1501.45	0.038685	6.22584	96.3298	-0.011563
10.3157	100.912	115.317	979.418	1501.17	-0.008152	6.22813	96.2804	-0.01125
10.3167	101.049	114.83	979.418	1501.72	-0.004076	6.22781	96.1817	-0.011563
10.3177	100.912	115.729	979.418	1501.17	-0.004076	6.22937	96.2311	-0.011563
10.3187	101.049	115.042	978.875	1501.72	-0.004076	6.23094	96.2311	-0.010313
10.3197	101.049	115.729	978.047	1500.08	-0.052988	6.22344	95.8863	-0.014063
10.3207	101.049	115.317	978.961	1501.17	-0.004076	6.20219	95.8857	-0.012813
10.3217	101.323	114.768	980.103	1501.58	-0.012228	6.17594	96.3791	-0.011563
10.3227	100.912	115.317	980.103	1501.04	-0.004076	6.15844	96.0337	-0.011875
10.3237	101.049	115.317	980.103	1501.58	0.028532	6.19658	96.2804	-0.01125
10.3247	100.775	115.317	979.189	1501.72	-0.004076	6.24406	96.2311	-0.011875
10.3257	100.912	115.317	979.418	1501.04	0.044837	6.22969	96.1817	-0.01125
10.3267	100.775	115.179	980.332	1501.17	-0.004076	6.23469	96.2804	-0.011875
10.3277	101.049	115.317	979.418	1500.9	-0.004076	6.23438	96.1817	-0.012813
10.3287	100.912	115.317	979.418	1501.45	-0.004076	6.23281	96.0831	-0.012813
10.3297	101.049	115.666	979.189	1500.49	-0.02038	6.22937	95.8857	-0.01125
10.3307	101.049	115.591	979.875	1500.08	-0.028532	6.2275	95.7378	-0.013438
10.3317	101.049	115.317	979.304	1500.36	-0.008152	6.22625	96.2804	-0.012813
10.3327	100.501	115.179	979.875	1501.45	-0.004076	6.22937	96.1817	-0.011875
10.3337	101.049	115.317	980.103	1501.45	-0.004076	6.23031	96.0831	-0.012188
10.3347	101.597	114.768	979.418	1501.17	0.024458	6.23094	96.2804	-0.010625
10.3357	101.049	115.317	979.418	1501.45	-0.004076	6.22969	96.2804	-0.011875
10.3367	100.912	115.317	979.418	1501.17	0.028532	6.22781	95.8857	-0.01125
10.3377	101.049	115.317	979.875	1501.17	-0.004076	6.22719	95.8857	-0.011875
10.3387	101.049	114.768	979.875	1501.17	-0.004076	6.22625	96.0831	-0.014375
10.3397	100.775	115.591	979.189	1501.45	-0.004076	6.22719	95.8857	-0.011563
10.3407	101.186	114.768	979.761	1500.63	-0.004076	6.22468	96.2311	-0.01125
10.3417	101.049	115.179	979.304	1499.54	-0.052988	6.19718	95.5896	-0.012813
10.3427	101.049	115.317	979.418	1501.31	-0.004076	6.17594	95.8857	-0.014063
10.3437	101.049	115.317	979.761	1500.78	-0.004076	6.15844	96.8752	-0.011875
10.3447	101.049	115.317	979.418	1501.17	-0.004076	6.20969	96.1817	-0.009688
10.3457	101.049	115.042	980.103	1501.04	0.02038	6.24375	96.0831	-0.012188
10.3467	100.775	115.317	980.332	1500.9	0.02038	6.23094	96.2804	-0.011563
10.3477	100.638	115.179	979.989	1500.9	0.044837	6.23844	95.8857	-0.011563

10.3487	101.168	115.317	979.418	1501.17	-0.02038	6.23489	95.2311	-0.010938
10.3497	100.775	115.317	979.418	1500.9	-0.004076	6.23489	95.0631	-0.011875
10.3507	101.049	115.317	980.103	1501.04	-0.004076	6.23344	95.0831	-0.011563
10.3517	100.912	115.317	979.418	1500.49	0.024456	6.23094	95.0831	-0.010938
10.3527	101.323	115.317	979.304	1500.08	-0.040781	6.22856	95.5896	-0.012813
10.3537	101.049	115.591	979.189	1500.49	-0.004076	6.22989	95.0337	-0.011875
10.3547	101.46	115.179	979.875	1500.9	-0.004076	6.22989	95.3791	-0.01125
10.3557	101.46	114.788	979.781	1501.72	0.02038	6.22989	95.787	-0.010938
10.3567	101.049	115.868	979.189	1501.17	-0.004076	6.23219	95.2311	-0.01125
10.3577	101.049	115.317	979.189	1501.17	0.02038	6.22856	95.8857	-0.011563
10.3587	101.049	115.179	980.217	1501.17	-0.004076	6.22844	95.0831	-0.011563
10.3597	101.049	115.179	979.875	1501.04	-0.004076	6.22719	95.1817	-0.011563
10.3607	100.227	115.179	979.418	1500.08	-0.008152	6.22844	95.8857	-0.01125
10.3617	101.049	115.317	979.304	1500.63	-0.008152	6.22094	95.0831	-0.010938
10.3627	100.912	115.179	979.418	1501.17	-0.004076	6.19156	95.9844	-0.013125
10.3637	101.597	114.788	979.875	1500.36	-0.02038	6.17031	95.8857	-0.010313
10.3647	100.775	115.317	979.418	1500.36	-0.004076	6.15531	95.8857	-0.013125
10.3657	101.049	115.317	979.418	1500.63	-0.004076	6.22375	95.4285	-0.010625
10.3667	101.049	114.788	979.648	1500.22	-0.004076	6.23489	95.1817	-0.010938
10.3677	100.838	115.317	979.418	1500.76	-0.004076	6.22908	95.0337	-0.011563
10.3687	100.912	115.317	979.304	1500.63	-0.004076	6.22989	95.0337	-0.010938
10.3697	101.323	115.179	979.418	1500.9	-0.004076	6.23062	95.0831	-0.010313
10.3707	101.049	115.591	978.961	1500.63	-0.004076	6.22844	95.8857	-0.012188
10.3717	101.049	115.729	979.418	1499.95	-0.004076	6.22781	95.787	-0.01125
10.3727	101.049	115.317	979.875	1501.17	-0.004076	6.22489	95.787	-0.010625
10.3737	101.049	115.317	979.418	1498.81	-0.004076	6.22437	95.0831	-0.012813
10.3747	100.501	115.317	979.875	1500.36	-0.036885	6.22156	95.4909	-0.010938
10.3757	100.912	115.179	979.189	1500.49	0.02038	6.22469	95.8363	-0.010938
10.3767	100.775	115.591	979.418	1501.17	0.02038	6.22656	95.4285	-0.010938
10.3777	100.775	115.591	979.075	1500.08	-0.004076	6.22281	95.0831	-0.010938
10.3787	100.501	115.317	979.418	1500.49	-0.004076	6.22719	95.8857	-0.012188
10.3797	101.049	115.317	978.961	1499.81	-0.012228	6.22408	95.0337	-0.011563
10.3807	101.049	115.317	979.418	1500.49	-0.004076	6.22531	95.639	-0.011563
10.3817	101.46	114.788	979.418	1500.63	0.040781	6.22694	95.8857	-0.010313
10.3827	100.775	115.317	979.189	1500.9	-0.004076	6.21187	95.2804	-0.012813
10.3837	101.049	115.317	979.418	1501.17	-0.004076	6.18969	95.8857	-0.011563
10.3847	101.049	114.788	979.418	1498.81	-0.004076	6.18844	95.8363	-0.010938
10.3857	101.049	115.729	980.36	1500.36	-0.004076	6.15489	95.8883	-0.009688
10.3867	101.323	115.868	978.961	1499.95	-0.008152	6.22344	95.3922	-0.013438
10.3877	101.049	115.591	980.332	1499.81	-0.004076	6.23062	95.8857	-0.01125
10.3887	100.912	115.317	979.418	1500.08	-0.004076	6.22856	95.639	-0.011875
10.3897	101.049	115.042	980.332	1500.08	0.024456	6.23094	95.5896	-0.012188
10.3907	100.775	115.179	979.418	1500.63	0.024456	6.22719	95.4418	-0.01125
10.3917	100.812	115.317	979.418	1500.36	0.036885	6.22719	95.3922	-0.012813
10.3927	100.501	115.317	979.418	1499.81	-0.004076	6.22408	95.639	-0.009375
10.3937	101.049	115.591	979.418	1500.63	-0.016304	6.22344	95.3922	-0.012813
10.3947	100.912	115.317	979.189	1501.04	-0.004076	6.21969	95.4909	-0.010625
10.3957	100.812	115.454	979.418	1500.08	-0.004076	6.22187	95.5403	-0.012813
10.3967	101.323	115.317	980.674	1500.49	-0.004076	6.22694	95.4909	-0.011875
10.3977	101.049	115.317	978.961	1500.08	-0.008152	6.22312	95.0882	-0.01375
10.3987	101.049	115.042	979.189	1498.99	-0.008152	6.22219	95.787	-0.01125
10.3997	101.049	115.591	979.418	1500.36	-0.012228	6.22312	95.2935	-0.011875

10.4007	101.049	115.591	979.189	1500.08	-0.004078	6.22344	95.4418	-0.010838
10.4017	100.775	114.768	979.189	1499.95	-0.004078	6.22489	95.3822	-0.011875
10.4027	101.186	115.317	979.418	1500.08	-0.004078	6.22406	95.1849	-0.01125
10.4037	101.049	115.317	979.418	1499.67	-0.004078	6.21584	95.3822	-0.012813
10.4047	100.775	115.591	979.875	1500.76	-0.004078	6.18969	95.2935	-0.011563
10.4057	100.775	115.179	979.418	1500.38	-0.004078	6.18856	95.0982	-0.010938
10.4067	101.049	115.317	979.418	1499.26	-0.004078	6.16219	94.9481	-0.010938
10.4077	101.323	115.179	980.674	1499.54	-0.004078	6.21489	94.9975	-0.00875
10.4087	100.912	115.317	979.189	1499.4	-0.004078	6.23062	95.0982	-0.013438
10.4097	101.049	115.042	979.418	1499.54	-0.004078	6.22531	95.0982	-0.012813
10.4107	100.775	115.317	979.875	1498.99	-0.004078	6.22406	95.0488	-0.012813
10.4117	100.912	115.317	979.961	1499.95	-0.004078	6.22969	94.8001	-0.012188
10.4127	100.775	115.317	979.761	1499.95	-0.004078	6.22594	94.8988	-0.010938
10.4137	100.775	115.317	979.304	1499.4	0.02038	6.22219	94.7507	-0.012188
10.4147	101.049	115.317	979.875	1499.26	0.028532	6.22344	94.7014	-0.01125
10.4157	101.323	114.768	979.304	1499.54	-0.02038	6.21906	94.9481	-0.011563
10.4168	100.501	115.179	979.189	1500.63	-0.004078	6.22094	94.8521	-0.01125
10.4178	100.775	115.317	980.103	1499.4	-0.004078	6.22437	94.8001	-0.010938
10.4188	101.323	114.905	980.56	1498.99	-0.004078	6.21969	94.504	-0.010313
10.4198	100.501	115.317	979.418	1498.99	-0.004078	6.22344	94.4547	-0.012188
10.4208	101.049	115.179	978.961	1498.99	-0.004078	6.22158	94.9481	-0.011875
10.4218	101.049	115.179	979.418	1498.99	-0.004078	6.22489	94.7014	-0.012188
10.4228	100.775	115.179	979.418	1499.4	0.028532	6.22281	94.3066	-0.011563
10.4238	101.049	115.591	979.761	1498.17	-0.004078	6.22406	94.4053	-0.01125
10.4248	100.912	115.317	979.418	1498.99	-0.016304	6.21844	94.8027	-0.013438
10.4258	100.912	115.317	979.418	1498.44	-0.004078	6.18062	94.504	-0.010313
10.4268	100.912	115.317	980.103	1498.44	-0.004078	6.18844	94.4547	-0.010938
10.4278	100.775	115.042	979.418	1499.67	-0.004078	6.15344	94.5534	-0.01125
10.4288	101.049	115.317	979.418	1498.72	-0.012228	6.21406	94.504	-0.01375
10.4298	101.597	115.042	980.332	1498.58	-0.004078	6.23094	94.208	-0.009688
10.4308	100.775	115.317	979.418	1498.72	-0.02038	6.22437	94.3066	-0.012188
10.4318	101.049	115.317	979.189	1498.72	-0.004078	6.22781	94.208	-0.010938
10.4328	101.186	114.63	979.418	1498.72	-0.004078	6.22594	94.1093	-0.012188
10.4338	101.186	115.317	979.418	1498.72	-0.004078	6.22594	94.1586	-0.011563
10.4348	101.323	115.042	979.418	1498.44	-0.004078	6.22687	94.1586	-0.010313
10.4358	101.049	115.317	979.989	1497.62	-0.004078	6.22219	94.0106	-0.010938
10.4368	100.912	115.317	979.875	1497.9	0.052989	6.22312	93.8625	-0.012188
10.4378	101.049	115.317	979.418	1497.9	-0.040761	6.22406	94.0106	-0.011875
10.4388	100.501	115.317	979.418	1499.54	-0.004078	6.22094	94.0106	-0.011563
10.4398	101.049	115.317	979.875	1497.76	-0.004078	6.22218	94.0599	-0.010625
10.4408	100.912	115.317	980.789	1498.58	-0.004078	6.22094	93.7145	-0.010313
10.4418	100.912	115.866	979.075	1497.76	-0.004078	6.22094	93.7145	-0.0125
10.4428	100.501	115.317	979.418	1497.76	-0.004078	6.22406	94.4547	-0.011875
10.4438	101.049	115.042	979.189	1497.35	-0.004078	6.22281	93.9119	-0.01125
10.4448	100.775	115.317	979.418	1498.17	-0.004078	6.22406	93.5171	-0.012813
10.4458	101.049	115.317	979.875	1498.17	-0.004078	6.21844	93.7145	-0.012188
10.4468	100.501	115.317	979.418	1497.62	-0.004078	6.18969	93.5171	-0.012813
10.4478	101.049	115.317	979.304	1497.62	0.028532	6.16781	93.7145	-0.011563
10.4488	101.186	114.493	979.189	1497.35	-0.02038	6.15094	93.8625	-0.012813
10.4498	101.049	115.317	979.875	1498.99	-0.004078	6.22344	93.8625	-0.011875
10.4508	100.912	115.591	979.075	1497.21	-0.004078	6.23168	93.4678	-0.013125
10.4518	100.775	115.317	981.017	1497.76	-0.004078	6.22719	93.6158	-0.009063

10.4528	100.501	115.317	979.418	1497.21	-0.004076	6.22969	93.4678	-0.012813
10.4538	101.186	114.905	979.418	1497.35	-0.004076	6.22719	94.0106	-0.010313
10.4548	101.049	115.317	979.418	1497.62	-0.004076	6.22719	93.6158	-0.010938
10.4558	101.186	115.888	979.418	1497.62	-0.004076	6.22719	93.5171	-0.009888
10.4568	100.912	115.317	979.418	1498.8	-0.012228	6.22437	93.5171	-0.011583
10.4578	100.775	115.179	979.418	1498.8	-0.004076	6.22281	93.1224	-0.013125
10.4588	101.049	115.317	979.418	1497.21	0.024456	6.22158	93.3691	-0.011583
10.4598	101.049	115.042	979.418	1497.62	0.024456	6.22344	93.3198	-0.012813
10.4608	101.049	115.179	979.875	1498.31	0.024456	6.22281	93.1224	-0.011875
10.4618	101.049	115.317	979.418	1498.53	-0.008152	6.21989	93.4184	-0.011583
10.4628	101.049	115.317	979.189	1498.26	-0.004076	6.22168	93.1224	-0.011583
10.4638	101.049	115.317	978.733	1498.63	-0.004076	6.21989	93.073	-0.013438
10.4648	101.323	115.317	978.847	1498.12	-0.012228	6.22125	93.5171	-0.010313
10.4658	101.049	115.317	979.418	1496.63	0.028532	6.22344	93.3198	-0.012188
10.4668	101.323	115.317	979.875	1498.39	-0.004076	6.20808	93.2704	-0.010313
10.4678	101.049	115.179	979.418	1496.67	0.024456	6.18281	93.1717	-0.012813
10.4688	101.597	114.493	979.418	1495.98	-0.004076	6.16158	93.2211	-0.009888
10.4698	101.46	114.768	979.418	1495.85	0.028532	6.15489	93.3198	-0.01125
10.4708	101.049	115.042	980.103	1498.28	-0.016304	6.23219	92.9743	-0.009375
10.4718	101.049	115.317	979.418	1497.49	-0.004076	6.22719	93.1224	-0.010313
10.4728	101.049	115.317	979.761	1495.67	-0.004076	6.22719	93.0237	-0.01125
10.4738	101.186	115.317	979.418	1495.71	-0.004076	6.22908	93.1224	-0.010825
10.4748	101.46	115.042	978.504	1494.62	-0.004076	6.22719	92.9743	-0.01375
10.4758	101.186	115.888	979.075	1495.3	-0.004076	6.22781	92.7276	-0.013125
10.4768	101.049	115.317	979.189	1495.67	-0.008152	6.22683	92.7276	-0.012813
10.4778	100.912	115.317	979.189	1495.71	-0.004076	6.22658	92.7276	-0.013125
10.4788	101.049	115.179	979.418	1495.67	-0.004076	6.22694	92.5796	-0.010938
10.4798	101.323	115.317	979.189	1495.44	-0.004076	6.22408	92.4809	-0.01125
10.4808	100.501	115.317	979.418	1495.44	0.036885	6.22719	92.6783	-0.011583
10.4818	101.323	115.317	979.418	1494.62	-0.012228	6.22408	92.5796	-0.010938
10.4828	101.049	115.317	979.189	1496.26	-0.02038	6.22344	92.5302	-0.010938
10.4838	101.186	115.317	979.418	1494.62	-0.004076	6.22489	92.4315	-0.0125
10.4848	100.912	115.317	979.418	1494.62	-0.004076	6.22489	92.6289	-0.010313
10.4858	101.323	115.317	979.875	1494.62	-0.004076	6.22658	92.5302	-0.012188
10.4868	101.049	115.179	979.075	1493.94	-0.004076	6.22658	92.8289	-0.011583
10.4878	101.049	115.317	979.418	1494.21	-0.004076	6.21094	92.8263	-0.011583
10.4888	101.049	115.179	979.418	1494.35	-0.004076	6.18344	92.5302	-0.009375
10.4898	100.384	115.317	979.189	1493.53	-0.004076	6.15808	92.4809	-0.012188
10.4908	100.912	115.317	979.418	1494.07	0.024456	6.18219	92.2835	-0.011583
10.4918	101.049	115.179	979.304	1493.25	0.028532	6.23719	92.3329	-0.012188
10.4928	101.049	115.317	979.304	1493.8	-0.036885	6.22719	92.3329	-0.01125
10.4938	101.049	115.179	979.418	1494.62	-0.004076	6.23344	92.0861	-0.012813
10.4948	101.049	115.042	979.189	1494.07	-0.008152	6.22844	92.1355	-0.012188
10.4958	101.049	114.905	979.418	1493.53	-0.004076	6.23094	92.0861	-0.013125
10.4968	100.638	115.317	978.504	1492.98	-0.004076	6.22908	91.9381	-0.014063
10.4978	100.638	115.179	979.075	1492.98	-0.004076	6.22908	91.9381	-0.012188
10.4988	101.049	115.591	979.418	1492.98	-0.008152	6.22719	92.4315	-0.010625
10.4998	101.597	115.317	979.418	1493.25	-0.004076	6.22489	92.0861	-0.012813
10.5008	101.323	115.179	979.304	1493.63	-0.004076	6.22969	91.9674	-0.012813
10.5018	101.049	115.591	978.618	1493.39	0.02038	6.22594	92.0368	-0.011875
10.5028	101.049	115.317	979.075	1492.43	0.024456	6.22489	92.0368	-0.010938
10.5038	101.323	115.042	979.075	1493.25	0.02038	6.22719	91.6914	-0.012813

10.5048	101.049	115.317	980.103	1494.48	0.028532	6.22489	91.8888	-0.010625
10.5058	101.049	115.866	978.961	1492.43	-0.004078	6.22656	91.8394	-0.010313
10.5068	100.912	115.317	979.075	1491.89	-0.016304	6.22844	91.842	-0.011563
10.5078	100.912	115.317	980.332	1492.43	-0.008162	6.22656	91.9381	-0.011875
10.5088	101.597	115.042	978.961	1491.89	-0.004078	6.20781	91.8888	-0.011563
10.5098	100.912	115.317	979.875	1491.89	0.02038	6.17969	92.2835	-0.011563
10.5108	101.049	115.317	978.847	1492.18	-0.008152	6.15989	91.842	-0.011563
10.5118	101.049	115.317	979.189	1491.61	-0.004078	6.18584	91.7901	-0.010938
10.5128	101.049	115.317	979.418	1491.89	-0.004078	6.24219	91.7407	-0.011563
10.5138	100.912	115.317	979.418	1492.18	0.040781	6.22989	91.8394	-0.011563
10.5148	100.912	115.317	979.304	1491.34	-0.004078	6.23156	91.5433	-0.012188
10.5158	100.501	115.317	978.961	1492.18	-0.004078	6.23219	91.842	-0.012188
10.5168	101.323	115.317	979.418	1491.89	-0.012228	6.23375	91.8888	-0.011875
10.5178	100.775	115.317	979.875	1491.34	-0.004078	6.23156	91.7407	-0.010313
10.5188	101.049	115.317	978.618	1490.25	-0.02038	6.22908	91.4447	-0.014688
10.5198	101.049	115.591	978.504	1491.07	-0.004078	6.22825	91.4447	-0.011563
10.5208	101.049	115.317	979.418	1491.61	-0.008152	6.22844	91.8394	-0.01125
10.5218	101.48	115.317	979.189	1491.34	-0.004078	6.22875	91.842	-0.011563
10.5228	100.912	115.454	978.961	1491.34	-0.004078	6.23156	91.4447	-0.011563
10.5238	101.188	114.788	978.847	1491.34	-0.004078	6.22719	91.494	-0.010825
10.5248	101.049	115.317	979.418	1491.34	0.028532	6.22856	91.4447	-0.011563
10.5258	100.912	115.317	978.847	1490.52	-0.02038	6.22531	91.346	-0.010938
10.5268	101.049	115.317	979.418	1490.52	-0.012228	6.22856	91.346	-0.012813
10.5278	101.049	115.591	978.961	1490.79	-0.004078	6.22719	91.2473	-0.012813
10.5288	101.049	115.317	979.418	1490.25	0.02038	6.22489	91.346	-0.010313
10.5298	101.049	115.317	979.189	1489.43	-0.024456	6.19408	91.0892	-0.012813
10.5308	101.188	115.179	978.504	1490.25	-0.004078	6.17438	91.346	-0.012188
10.5318	100.638	115.179	979.075	1490.11	-0.004078	6.15489	91.2866	-0.01125
10.5328	101.323	115.317	979.418	1489.43	-0.004078	6.19989	91.1488	-0.010938
10.5338	101.049	115.317	979.418	1490.25	0.028532	6.23989	91.2473	-0.012188
10.5348	101.049	115.317	979.418	1490.25	-0.004078	6.22594	90.9019	-0.011563
10.5358	101.049	115.042	979.304	1489.29	0.028532	6.23219	90.9512	-0.012188
10.5368	101.188	115.317	979.075	1489.97	-0.016304	6.23156	91.1488	-0.01125
10.5378	101.049	115.317	979.418	1489.29	-0.004078	6.23281	90.9512	-0.010938
10.5388	101.323	115.317	979.418	1489.18	-0.008152	6.23094	90.8551	-0.010938
10.5398	101.323	115.866	978.961	1489.43	-0.004078	6.22856	90.8525	-0.010938
10.5408	101.188	115.317	978.504	1487.79	-0.052989	6.22281	90.1617	-0.014375
10.5418	101.049	115.317	978.961	1489.02	0.02038	6.22844	90.5071	-0.014063
10.5428	100.501	115.317	978.961	1488.88	-0.008152	6.22656	90.9512	-0.013438
10.5438	101.049	115.317	978.847	1489.18	-0.004078	6.22656	90.8058	-0.012188
10.5448	101.48	115.317	979.075	1488.88	-0.004078	6.22844	90.5071	-0.010938
10.5458	101.049	115.179	979.418	1488.61	-0.004078	6.22856	90.5071	-0.011875
10.5468	101.049	115.179	979.304	1488.61	0.032609	6.22937	90.7045	-0.013125
10.5478	101.049	115.179	979.418	1488.08	-0.004078	6.22719	90.8058	-0.01125
10.5488	100.912	115.317	978.847	1488.08	-0.004078	6.22719	90.5584	-0.011875
10.5498	101.48	114.788	979.189	1489.18	-0.004078	6.21625	90.5584	-0.010938
10.5508	100.501	115.179	979.418	1487.38	-0.016304	6.18989	90.5584	-0.010938
10.5518	101.049	115.179	978.504	1487.24	-0.048813	6.18719	89.9843	-0.012813
10.5528	101.049	115.179	979.189	1487.79	-0.004078	6.15656	90.1617	-0.011875
10.5538	101.049	115.317	979.189	1487.65	-0.004078	6.22219	90.7538	-0.011563
10.5548	100.638	115.317	978.733	1487.79	-0.004078	6.23594	90.1617	-0.012813
10.5558	101.049	115.591	978.733	1487.93	-0.004078	6.23281	90.3097	-0.011563

10.5568	101.188	115.042	979.189	1487.79	-0.004076	6.23344	80.2604	-0.011583
10.5578	101.597	114.905	979.189	1487.38	0.02038	6.22989	80.3097	-0.011583
10.5588	101.049	115.464	979.418	1487.79	-0.004076	6.23219	89.9843	-0.010313
10.5598	101.323	115.179	979.418	1487.52	-0.004076	6.22989	89.9858	-0.012188
10.5608	101.188	115.317	979.418	1486.83	-0.02038	6.22813	89.9856	-0.011583
10.5618	101.597	115.179	978.961	1486.56	-0.004076	6.22719	80.1124	-0.013125
10.5628	101.049	115.317	979.075	1486.88	-0.02038	6.22408	89.3228	-0.012813
10.5638	101.049	115.179	978.818	1486.42	-0.02038	6.22781	89.9858	-0.014063
10.5648	100.912	115.179	979.418	1486.97	-0.004076	6.22594	80.0137	-0.013125
10.5658	100.838	115.317	979.189	1486.56	-0.004076	6.22781	89.9856	-0.011875
10.5668	101.323	115.317	979.189	1485.88	-0.004076	6.22906	89.7178	-0.012813
10.5678	101.049	115.179	978.733	1485.6	-0.012228	6.22656	89.7889	-0.012188
10.5688	100.775	115.317	979.304	1485.88	0.036685	6.22813	89.5696	-0.012813
10.5698	101.48	115.591	979.075	1484.85	-0.012228	6.22906	89.6682	-0.010938
10.5708	101.049	115.179	979.304	1485.19	-0.004076	6.21344	89.4215	-0.013436
10.5718	101.48	115.729	978.847	1485.47	-0.012228	6.18781	89.5202	-0.010938
10.5728	100.638	115.317	978.961	1485.08	-0.004076	6.16781	89.5696	-0.010313
10.5738	101.049	115.317	978.847	1484.24	-0.02038	6.15594	88.9281	-0.012188
10.5748	101.323	114.768	978.504	1484.78	-0.004076	6.23469	89.5202	-0.012813
10.5758	101.323	115.317	978.961	1484.05	-0.004076	6.23219	89.7178	-0.010938
10.5768	100.912	115.317	980.103	1484.85	-0.004076	6.23531	89.1748	-0.012813
10.5778	100.912	115.179	978.961	1484.24	-0.004076	6.23625	89.2735	-0.011583
10.5788	101.049	115.317	978.733	1484.51	0.028532	6.23094	89.3228	-0.012188
10.5798	100.912	115.591	979.075	1484.1	-0.004076	6.23031	89.1255	-0.011583
10.5808	101.049	115.317	979.418	1484.1	0.02038	6.22906	89.2241	-0.011583
10.5818	101.188	115.317	979.304	1484.78	-0.004076	6.22906	89.1748	-0.012188
10.5828	101.48	115.317	979.189	1484.24	-0.004076	6.22844	88.9774	-0.011875
10.5838	101.188	115.317	979.075	1483.56	-0.004076	6.22906	89.1255	-0.010938
10.5848	101.049	115.317	978.961	1483.69	-0.004076	6.22989	88.7307	-0.010313
10.5858	101.323	115.668	978.733	1483.69	-0.004076	6.22781	88.78	-0.01125
10.5868	101.049	115.591	978.504	1482.87	-0.004076	6.22969	89.2735	-0.010313
10.5878	101.049	115.317	978.961	1483.69	-0.004076	6.22937	89.0761	-0.012188
10.5888	101.188	115.179	979.189	1483.01	-0.004076	6.23312	89.0761	-0.010938
10.5898	100.912	115.317	979.418	1483.28	-0.004076	6.23156	88.78	-0.011583
10.5908	101.049	115.317	979.189	1482.05	-0.004076	6.22906	88.78	-0.011875
10.5918	101.188	115.317	978.847	1482.6	-0.004076	6.21408	88.78	-0.012813
10.5928	101.049	115.317	979.304	1482.6	-0.004076	6.18469	88.78	-0.014063
10.5938	101.48	114.768	978.733	1483.42	-0.004076	6.16408	88.7307	-0.011583
10.5948	101.323	115.317	978.961	1481.51	-0.004076	6.17469	88.5827	-0.012188
10.5958	101.049	115.317	978.733	1481.51	-0.02038	6.24344	88.4348	-0.012813
10.5968	101.323	115.317	979.189	1481.51	-0.012228	6.23094	88.5827	-0.012813
10.5978	101.323	115.042	979.189	1481.51	-0.004076	6.23781	89.1255	-0.011875
10.5988	101.323	115.868	978.504	1481.51	-0.004076	6.23469	88.3853	-0.012188
10.5998	100.912	115.317	979.418	1481.51	-0.004076	6.23719	88.5827	-0.010938
10.6008	101.188	115.179	979.189	1481.51	0.028532	6.23187	88.3853	-0.011583
10.6018	101.323	115.317	979.075	1481.23	-0.004076	6.23219	88.3853	-0.010313
10.6028	101.049	115.317	978.504	1481.51	-0.004076	6.22969	88.3853	-0.011583
10.6038	101.323	115.179	978.504	1480.82	-0.004076	6.22969	88.3359	-0.011583
10.6048	101.323	115.042	979.304	1481.51	-0.004076	6.22969	88.484	-0.01125
10.6058	101.049	115.317	978.961	1480.14	-0.004076	6.22969	88.5827	-0.011875
10.6068	101.597	114.493	979.875	1480.55	-0.004076	6.23094	88.1386	-0.007813
10.6078	101.049	115.317	978.504	1480.14	-0.004076	6.23219	88.1386	-0.013125

10.8088	101.323	115.042	978.961	1480.69	-0.004076	6.22968	88.3853	-0.012813
10.8098	101.049	115.317	978.961	1480.41	-0.004076	6.23094	88.1388	-0.010938
10.8108	101.734	114.493	978.961	1481.23	-0.004076	6.23218	88.1878	-0.010313
10.8118	100.912	115.317	979.304	1480.96	0.028532	6.22937	88.3358	-0.011583
10.8128	101.597	114.905	979.189	1480.14	-0.004076	6.20375	87.8905	-0.012188
10.8138	101.186	115.317	979.189	1479.73	0.024456	6.17989	88.1879	-0.012813
10.8148	101.186	115.317	978.733	1479.87	-0.028532	6.15937	87.9905	-0.01125
10.8158	101.049	115.042	979.189	1480.41	-0.004076	6.19719	88.0892	-0.011583
10.8168	101.323	115.317	978.961	1479.32	-0.004076	6.24468	88.1388	-0.011583
10.8178	101.323	115.317	980.332	1479.87	-0.02038	6.23156	88.0892	-0.010313
10.8188	101.46	115.317	978.604	1478.5	-0.004076	6.23438	87.8905	-0.0125
10.8198	101.323	115.317	979.418	1479.32	0.02038	6.23531	88.2373	-0.011583
10.8208	101.323	115.454	978.961	1478.78	-0.004076	6.23219	87.8425	-0.011583
10.8218	101.049	115.179	978.604	1479.05	-0.004076	6.23489	87.9905	-0.011875
10.8228	101.049	115.317	979.075	1478.5	-0.004076	6.23094	87.8918	-0.011583
10.8238	101.323	115.042	978.39	1478.5	0.024456	6.22968	87.9412	-0.0125
10.8248	101.323	115.317	978.733	1478.23	-0.008152	6.22937	87.8945	-0.010313
10.8258	101.049	115.317	978.847	1478.64	-0.004076	6.22906	87.7438	-0.011583
10.8268	101.049	115.317	978.733	1479.32	-0.008152	6.23156	87.5484	-0.011875
10.8278	101.049	115.317	978.604	1477.14	-0.004076	6.22968	87.5958	-0.010838
10.8288	101.597	115.042	979.761	1477.55	-0.004076	6.22719	87.5958	-0.010313
10.8298	101.049	115.317	978.39	1477.14	-0.02038	6.22937	87.349	-0.012813
10.8308	101.049	115.179	978.847	1477.14	-0.004076	6.22719	87.9905	-0.01125
10.8318	101.597	115.317	978.278	1477.14	-0.004076	6.23156	87.3984	-0.013438
10.8328	101.049	115.591	979.189	1477	-0.004076	6.22156	87.3984	-0.011583
10.8338	101.186	115.179	978.961	1477.55	0.02038	6.19489	87.2997	-0.011875
10.8348	101.46	114.905	979.189	1477.14	-0.004076	6.17584	87.053	-0.010313
10.8358	100.501	115.179	978.733	1476.86	0.032609	6.15469	87.201	-0.011583
10.8368	101.049	115.317	978.847	1476.32	-0.02038	6.21375	87.201	-0.012813
10.8378	100.775	115.317	978.733	1476.59	-0.016304	6.23968	87.1517	-0.012813
10.8388	101.186	115.866	978.504	1476.04	-0.004076	6.22906	87.053	-0.009688
10.8398	101.049	115.317	979.418	1475.91	-0.004076	6.23594	87.0036	-0.01125
10.8408	101.323	114.905	978.504	1474.95	-0.004076	6.22869	86.9049	-0.012813
10.8418	100.912	115.317	979.304	1474.95	-0.004076	6.23281	87.201	-0.011583
10.8428	101.323	115.729	978.961	1474.81	-0.004076	6.23219	86.9049	-0.010625
10.8438	101.323	115.317	978.733	1475.5	0.016304	6.22719	86.8063	-0.0125
10.8448	100.775	115.317	978.504	1475.22	-0.004076	6.22869	87.0036	-0.012188
10.8458	100.775	115.317	978.39	1474.81	-0.004076	6.22531	86.8089	-0.011875
10.8468	101.46	115.042	978.733	1475.22	-0.004076	6.22869	86.7569	-0.012188
10.8478	101.049	115.317	979.075	1474.27	-0.004076	6.22613	86.5102	-0.01125
10.8488	101.049	115.317	978.504	1475.5	-0.004076	6.22844	86.2141	-0.012188
10.8498	101.323	115.317	978.733	1473.58	-0.004076	6.23094	86.4115	-0.013438
10.8508	101.049	115.042	979.418	1474.27	-0.004076	6.22719	86.3128	-0.009688
10.8518	101.46	115.042	978.618	1474.4	-0.02038	6.22937	86.2635	-0.011583
10.8528	101.049	115.317	978.733	1473.72	-0.004076	6.22869	86.5102	-0.011583
10.8538	101.323	115.454	978.618	1473.31	-0.004076	6.21906	85.918	-0.011583
10.8548	101.049	115.317	978.847	1473.45	-0.004076	6.18489	85.918	-0.012188
10.8558	100.775	115.317	978.733	1472.77	-0.004076	6.17281	86.1648	-0.012813
10.8568	101.049	115.317	978.278	1472.49	-0.012228	6.15469	85.9674	-0.011583
10.8578	100.638	115.317	978.733	1472.77	0.032609	6.22094	85.918	-0.010938
10.8588	101.186	115.179	978.961	1472.22	-0.004076	6.23344	85.7207	-0.01125
10.8598	101.049	115.728	978.39	1472.49	-0.004076	6.23094	85.5728	-0.010313

10.6608	101.323	115.317	978.961	1471.54	-0.004076	6.22969	85.622	-0.010938
10.6618	101.049	115.317	979.075	1471.95	-0.004076	6.22969	85.5233	-0.010625
10.6628	101.049	115.454	978.847	1470.85	-0.004076	6.22969	85.4248	-0.013125
10.6638	101.186	115.581	978.733	1470.58	-0.004076	6.22906	85.5726	-0.010938
10.6648	101.323	115.179	978.504	1470.58	-0.004076	6.22781	85.4246	-0.011875
10.6658	101.46	114.768	978.161	1470.44	-0.004076	6.22584	85.1779	-0.010938
10.6668	101.186	115.317	978.733	1470.44	0.036685	6.22531	85.1285	-0.01125
10.6678	101.186	115.317	978.733	1470.99	-0.004076	6.22781	85.0296	-0.011563
10.6688	101.323	115.179	978.733	1469.76	0.036685	6.22406	84.9805	-0.010313
10.6698	101.049	115.581	978.847	1469.35	-0.02038	6.22687	84.8325	-0.011563
10.6708	101.323	115.179	978.733	1470.58	-0.004076	6.22584	84.8326	-0.010313
10.6718	100.638	115.317	978.818	1469.49	-0.004076	6.22656	84.7338	-0.011563
10.6728	101.323	115.317	978.733	1468.39	-0.004076	6.22813	84.339	-0.009688
10.6738	100.912	115.317	978.276	1467.71	-0.008152	6.22584	84.3884	-0.012813
10.6748	101.186	115.317	978.39	1468.12	-0.004076	6.21969	84.8325	-0.012813
10.6758	101.049	115.317	978.961	1467.17	-0.004076	6.19312	84.4377	-0.011563
10.6768	100.912	115.317	978.39	1467.71	-0.004076	6.17031	84.339	-0.012813
10.6778	101.323	115.317	978.504	1468.12	-0.004076	6.15969	84.2403	-0.011563
10.6788	101.323	114.905	978.733	1467.03	0.036685	6.22906	83.9443	-0.010938
10.6798	101.049	115.317	978.733	1466.21	0.028532	6.23219	83.9443	-0.012188
10.6808	101.323	115.591	978.276	1467.03	-0.004076	6.23219	83.8456	-0.012188
10.6818	101.597	115.729	978.047	1467.03	-0.004076	6.23094	83.8456	-0.011563
10.6828	101.323	115.317	978.276	1466.39	-0.02038	6.22969	83.5495	-0.011875
10.6838	101.323	115.317	978.161	1465.25	-0.004076	6.23156	83.6482	-0.010938
10.6848	100.775	115.317	978.733	1465.12	-0.004076	6.23084	83.4508	-0.012813
10.6858	101.323	115.317	978.276	1464.57	-0.004076	6.22969	83.5002	-0.011563
10.6868	100.775	115.042	978.161	1464.57	-0.004076	6.22844	83.4015	-0.011875
10.6878	101.186	115.042	978.276	1464.3	-0.004076	6.22808	83.1547	-0.010938
10.6888	101.323	115.179	978.047	1463.75	-0.004076	6.22937	82.9574	-0.011563
10.6898	101.323	115.317	977.59	1463.48	-0.004076	6.22844	82.8587	-0.010625
10.6908	100.912	115.317	978.504	1463.34	0.028532	6.22969	82.8587	-0.01125
10.6918	100.912	115.317	978.047	1462.8	-0.008152	6.22719	82.812	-0.012813
10.6928	100.912	115.317	978.504	1463.48	-0.004076	6.22937	82.4639	-0.012188
10.6938	101.049	115.317	978.504	1461.84	-0.004076	6.22906	82.4639	-0.011563
10.6948	101.186	115.317	979.189	1461.16	0.024456	6.22844	82.0692	-0.009063
10.6958	101.049	115.317	977.818	1460.75	-0.008152	6.21656	82.1185	-0.012813
10.6968	101.049	115.317	978.181	1460.2	-0.004076	6.18781	82.0692	-0.010938
10.6978	101.323	115.317	978.047	1460.2	-0.02038	6.16844	82.1185	-0.011563
10.6988	101.049	115.317	978.276	1459.93	-0.004076	6.15875	81.5264	-0.011875
10.6998	101.46	115.317	978.733	1459.85	-0.004076	6.23584	81.5757	-0.012188
10.7008	101.049	115.042	978.847	1459.38	0.040761	6.22969	81.3783	-0.011563
10.7018	101.049	115.317	978.504	1458.42	-0.004076	6.22906	81.2796	-0.010625
10.7028	101.323	115.581	977.933	1457.47	-0.004076	6.22906	80.8849	-0.012188
10.7038	101.186	115.042	978.047	1458.97	-0.004076	6.23156	80.8849	-0.011875
10.7048	100.912	115.317	977.819	1458.65	-0.004076	6.23084	80.8875	-0.011563
10.7058	101.049	115.729	978.047	1458.65	-0.004076	6.22969	80.6875	-0.0125
10.7068	101.323	115.317	978.961	1458.1	-0.004076	6.22781	80.4901	-0.012813
10.7078	101.323	115.317	977.59	1455.58	-0.004076	6.22844	80.2928	-0.012813
10.7088	100.775	114.905	977.933	1454.87	-0.004076	6.22887	79.7983	-0.01125
10.7098	101.186	115.042	977.59	1454.74	-0.004076	6.22656	79.9867	-0.011563
10.7108	100.775	115.317	977.933	1454.19	0.02038	6.22719	79.7006	-0.012813
10.7118	101.587	114.768	978.047	1453.51	-0.004076	6.22406	79.6019	-0.014063

10.7128	101.186	115.179	978.276	1452.82	0.048913	6.22594	79.4539	-0.010825
10.7138	101.46	115.042	977.362	1451.73	-0.02038	6.22583	79.3059	-0.010313
10.7148	101.323	115.866	977.59	1452.28	-0.004076	6.22469	78.0591	-0.011663
10.7158	101.323	115.317	978.276	1450.23	-0.008152	6.22719	78.7137	-0.012613
10.7168	101.46	115.591	978.504	1450.5	0.02038	6.20858	78.5163	-0.007813
10.7178	101.049	115.042	977.705	1448.73	-0.036685	6.17989	78.1218	-0.013125
10.7188	100.775	115.317	977.59	1448.73	-0.004076	6.16125	77.9735	-0.013438
10.7198	101.186	115.317	978.39	1447.36	-0.004076	6.15719	78.2203	-0.01125
10.7208	101.323	115.317	977.933	1446.95	-0.004076	6.23594	77.5788	-0.010938
10.7218	101.323	115.317	977.59	1446.13	0.02038	6.22875	77.2334	-0.011563
10.7228	100.501	115.317	977.59	1444.9	-0.004076	6.22844	76.9373	-0.01125
10.7238	101.323	115.179	977.59	1443.81	0.040761	6.22668	76.8368	-0.012613
10.7248	101.46	115.317	977.59	1443.26	-0.012228	6.22719	76.1476	-0.012188
10.7258	100.775	115.317	977.59	1443.26	-0.004076	6.22781	76.2958	-0.012813
10.7268	101.323	115.317	977.134	1440.81	-0.004076	6.22437	75.8517	-0.012188
10.7278	101.049	115.591	977.134	1439.99	-0.004076	6.22406	75.5557	-0.011583
10.7288	101.323	115.729	977.59	1438.89	-0.016304	6.22375	75.2103	-0.014063
10.7298	101.186	115.042	977.134	1437.8	-0.004076	6.22281	74.9635	-0.011875
10.7308	100.838	115.042	977.362	1436.71	-0.008152	6.22408	74.8648	-0.011583
10.7318	101.186	115.042	977.362	1436.71	-0.004076	6.22344	74.4701	-0.010938
10.7328	101.186	115.317	976.905	1434.8	0.032809	6.22187	73.9768	-0.011563
10.7338	101.323	115.179	976.781	1433.43	-0.004076	6.22219	73.6312	-0.01125
10.7348	101.323	115.317	976.905	1432.34	0.040761	6.22437	73.3352	-0.011583
10.7358	101.049	115.179	977.362	1431.52	-0.004076	6.22469	73.1871	-0.012813
10.7368	100.775	115.317	977.134	1429.47	-0.004076	6.22594	72.7924	-0.010313
10.7378	101.049	115.179	976.791	1428.38	-0.004076	6.20844	72.3976	-0.010938
10.7388	101.049	115.591	976.677	1426.19	-0.004076	6.18219	71.9535	-0.009083
10.7398	101.871	115.042	976.22	1423.87	-0.02038	6.15781	71.312	-0.012813
10.7408	100.775	115.179	976.905	1423.87	-0.004076	6.15989	71.1148	-0.012813
10.7418	101.049	115.866	976.334	1421.68	-0.004076	6.23908	71.016	-0.010938
10.7428	101.049	115.179	976.562	1420.86	-0.004076	6.22594	70.4238	-0.013125
10.7438	101.323	115.317	976.448	1418.54	-0.004076	6.23312	70.0291	-0.011563
10.7448	101.186	115.179	976.334	1417.31	-0.004076	6.22937	69.6343	-0.012188
10.7458	100.912	115.317	976.22	1415.13	0.061141	6.22906	69.4389	-0.010938
10.7468	101.871	114.905	976.22	1413.22	-0.02038	6.22844	68.8448	-0.010938
10.7478	101.323	115.317	975.763	1411.58	-0.012228	6.22437	68.45	-0.011563
10.7488	101.049	115.179	975.991	1409.12	-0.004076	6.22469	68.164	-0.012813
10.7498	100.775	115.317	976.106	1407.75	-0.004076	6.22437	67.2658	-0.012188
10.7508	101.46	115.317	975.763	1405.02	-0.008152	6.22344	66.4289	-0.012813
10.7518	101.049	115.317	975.534	1403.52	-0.004076	6.22594	66.5749	-0.011563
10.7528	101.323	115.179	975.849	1401.81	-0.004076	6.22219	66.1308	-0.012188
10.7538	101.049	115.317	975.763	1400.1	-0.004076	6.22583	65.5987	-0.011563
10.7548	100.501	115.317	975.192	1397.85	-0.004076	6.22594	65.2428	-0.010313
10.7558	100.775	115.317	975.308	1396.55	-0.004076	6.22408	64.8998	-0.010938
10.7568	101.049	115.042	975.078	1394.91	0.024458	6.22858	64.3051	-0.013125
10.7578	101.323	115.591	975.306	1393.68	-0.004076	6.22437	64.009	-0.010313
10.7588	101.049	115.317	975.306	1393.27	-0.004076	6.20989	63.7129	-0.01125
10.7598	101.049	114.493	974.392	1390.27	-0.004076	6.18062	63.1208	-0.012813
10.7608	101.587	115.179	974.849	1389.04	-0.004076	6.15937	62.8741	-0.012813
10.7618	100.775	115.317	973.707	1388.31	-0.032809	6.15781	62.1339	-0.014063
10.7628	101.049	115.317	974.392	1384.81	-0.004076	6.23531	61.8378	-0.012813
10.7638	101.049	115.317	974.621	1383.17	-0.004076	6.22469	62.1832	-0.011563

10.7648	100.638	115.317	973.821	1381.53	-0.004076	6.22844	61.2457	-0.013438
10.7658	101.871	114.768	973.935	1379.62	-0.004076	6.22844	60.8536	-0.011663
10.7668	101.46	115.179	973.935	1377.98	-0.004076	6.22719	60.2588	-0.012188
10.7678	101.46	115.729	974.164	1375.52	0.044837	6.22437	59.884	-0.012188
10.7688	101.46	115.179	973.707	1373.61	-0.004076	6.22281	59.2719	-0.010938
10.7698	101.323	115.591	973.593	1372.24	-0.004076	6.22219	58.9285	-0.011875
10.7708	101.734	115.042	972.585	1369.92	-0.004076	6.21989	58.3837	-0.010938
10.7718	100.501	115.179	973.022	1367.73	-0.004076	6.22281	57.9396	-0.01125
10.7728	101.46	115.591	971.88	1384.59	-0.016304	6.21906	58.7553	-0.015313
10.7738	101.049	115.454	972.451	1362.41	-0.004076	6.22094	56.9034	-0.011875
10.7748	101.049	115.317	973.022	1361.04	-0.004076	6.22406	56.708	-0.011875
10.7758	101.186	115.317	971.994	1358.45	-0.004076	6.21989	55.8204	-0.012188
10.7768	100.912	115.317	971.651	1355.85	-0.004076	6.22469	55.275	-0.014063
10.7778	101.186	115.317	971.423	1353.12	-0.004076	6.22094	54.4856	-0.012188
10.7788	101.323	115.042	971.194	1351.21	-0.004076	6.21989	54.0414	-0.011563
10.7798	101.323	115.317	971.194	1349.18	-0.008152	6.20969	53.696	-0.012813
10.7808	101.049	115.317	971.08	1345.74	-0.008152	6.18156	53.1038	-0.011563
10.7818	101.46	115.042	970.509	1343.29	-0.004076	6.15989	52.561	-0.010938
10.7828	101.049	115.317	970.509	1340.28	-0.004076	6.15858	52.0182	-0.013438
10.7838	101.323	115.179	969.709	1335.84	-0.052989	6.22858	50.834	-0.013125
10.7848	101.186	114.905	968.481	1334.54	-0.008152	6.22469	50.6858	-0.014063
10.7858	100.638	115.317	968.824	1332.09	-0.004076	6.22781	50.2912	-0.010938
10.7868	101.323	114.905	968.709	1329.63	0.024466	6.22844	49.5017	-0.011563
10.7878	101.049	115.042	968.681	1328.76	-0.004076	6.22844	48.9085	-0.008438
10.7888	101.597	115.591	968.463	1323.07	-0.004076	6.22344	48.2187	-0.010313
10.7898	101.323	115.591	968.453	1320.48	-0.004076	6.22312	47.6288	-0.01125
10.7908	101.323	115.317	967.996	1317.61	-0.004076	6.22094	46.7877	-0.010938
10.7918	101.049	115.591	967.082	1314.19	-0.004076	6.21875	46.3436	-0.0125
10.7928	101.323	115.591	966.854	1311.74	-0.004076	6.22094	45.3567	-0.011563
10.7938	100.775	115.317	966.968	1307.77	-0.004076	6.21969	44.9819	-0.011875
10.7948	101.049	115.317	965.712	1303.13	-0.052989	6.21812	43.5803	-0.014888
10.7958	101.049	115.317	966.054	1301.22	-0.004076	6.21812	43.4816	-0.011563
10.7968	101.323	114.905	965.598	1298.76	-0.004076	6.21969	43.3829	-0.0125
10.7978	101.049	115.317	966.189	1295.76	0.02038	6.21969	41.9519	-0.011875
10.7988	101.46	115.042	964.798	1293.02	0.02038	6.22094	41.6085	-0.011563
10.7998	101.323	115.179	965.141	1289.75	-0.004076	6.21906	40.817	-0.012188
10.8008	101.323	115.179	965.255	1287.83	0.028532	6.19969	40.2249	-0.011563
10.8018	101.46	115.317	964.341	1284.15	-0.008152	6.17582	39.8301	-0.011563
10.8028	101.323	115.317	964.341	1281.82	0.02038	6.15687	38.9419	-0.010625
10.8038	101.049	115.179	964.113	1279.37	0.028532	6.15344	38.103	-0.011563
10.8048	101.871	114.768	963.77	1274.86	-0.004076	6.22969	37.5802	-0.010313
10.8058	100.501	115.317	963.658	1270.9	-0.02038	6.22094	36.524	-0.009375
10.8068	101.871	115.042	961.828	1266.25	-0.012228	6.22187	35.8332	-0.014063
10.8078	101.186	115.317	961.8	1262.98	-0.02038	6.22469	35.4384	-0.010625
10.8088	101.597	114.768	961.714	1258.06	-0.004076	6.22344	34.6982	-0.010938
10.8098	101.186	115.317	961.143	1253.14	-0.004076	6.22719	33.81	-0.011875
10.8108	101.323	114.63	960.001	1247.54	-0.004076	6.22312	33.1688	-0.011563
10.8118	101.597	115.179	958.859	1239.89	-0.004076	6.21937	32.6258	-0.011563
10.8128	101.186	115.179	957.831	1230.88	-0.004076	6.21906	31.9349	-0.010938
10.8138	101.46	115.042	956.46	1222	-0.004076	6.21906	31.1454	-0.0125
10.8148	101.049	115.317	956.204	1213.12	-0.004076	6.21969	30.5533	-0.012188
10.8158	101.323	115.179	954.29	1199.48	-0.004076	6.21906	30.0598	-0.010313

10.8188	101.48	115.042	952.006	1188.67	-0.012228	6.21937	29.3197	-0.012188
10.8178	101.323	115.591	950.863	1177.61	-0.004076	6.22158	28.6782	-0.012813
10.8188	101.186	115.179	948.808	1168.28	-0.004076	6.21969	28.7769	-0.011875
10.8198	101.049	115.317	947.685	1154.26	-0.004076	6.21969	27.5433	-0.012188
10.8208	101.48	115.042	945.952	1142.78	-0.004076	6.22219	27.2985	-0.011563
10.8218	101.323	115.179	944.353	1131.31	-0.004076	6.20281	26.8057	-0.010938
10.8228	101.323	115.179	942.411	1120.25	0.044837	6.17969	25.8182	-0.012813
10.8238	101.323	115.317	940.584	1110	-0.004076	6.15844	25.4708	-0.010625
10.8248	101.186	115.179	939.442	1099.08	-0.004076	6.15594	25.3228	-0.011563
10.8258	101.48	115.317	937.5	1090.34	-0.004076	6.23469	24.8293	-0.011875
10.8268	101.049	115.179	935.558	1078.86	-0.004076	6.22158	24.3368	-0.0125
10.8278	101.049	115.179	935.558	1069.57	-0.008152	6.22594	23.9411	-0.009888
10.8288	101.323	115.179	932.589	1060.01	-0.004076	6.22219	23.2503	-0.013438
10.8298	101.186	114.905	931.446	1049.91	-0.004076	6.22375	23.0038	-0.013438
10.8308	101.597	115.317	929.048	1042.12	0.02038	6.22469	22.4114	-0.013438
10.8318	101.48	115.042	927.106	1031.33	-0.004076	6.22469	22.068	-0.011563
10.8328	100.501	115.042	924.583	1022.32	-0.004076	6.22281	21.6712	-0.010938
10.8338	101.48	114.768	921.395	1012.76	-0.004076	6.21969	21.3752	-0.011563
10.8348	101.049	115.317	919.111	1002.82	0.02038	6.21844	20.9804	-0.012188
10.8358	101.323	115.317	915.913	993.089	-0.004076	6.22158	20.5857	-0.011563
10.8368	101.323	115.179	912.372	984.075	-0.004076	6.21969	20.3389	-0.010938
10.8378	101.597	114.905	909.717	973.421	-0.004076	6.22094	19.9442	-0.010313
10.8388	101.48	115.317	906.204	963.997	-0.004076	6.21969	19.5494	-0.010625
10.8398	101.186	115.317	901.293	955.119	-0.004076	6.21844	19.4507	-0.012188
10.8408	101.597	115.317	898.78	946.378	-0.012228	6.22312	19.3027	-0.012188
10.8418	101.186	115.317	898.61	938.319	-0.004076	6.22219	19.1053	-0.010313
10.8428	100.912	115.179	894.897	929.442	-0.004076	6.20875	18.6119	-0.010938
10.8438	101.48	115.179	893.089	920.427	-0.004076	6.17937	18.1184	-0.011563
10.8448	101.323	115.317	892.498	911.413	0.028532	6.15562	18.1184	-0.010625
10.8458	101.597	115.317	893.528	901.852	-0.004076	6.15812	17.7237	-0.012188
10.8468	101.597	115.317	897.409	892.584	-0.004076	6.23281	17.2302	-0.010938
10.8478	100.776	115.317	901.293	883.823	-0.008152	6.21969	16.9342	-0.010938
10.8488	101.48	115.179	900.836	875.365	-0.004076	6.22594	16.7388	-0.010625
10.8498	101.049	115.317	897.888	868.389	-0.004076	6.22158	16.5394	-0.008438
10.8508	101.186	115.317	890.785	863.338	-0.004076	6.22344	15.8979	-0.012813
10.8518	101.597	114.768	885.988	857.063	-0.004076	6.22344	16.2927	-0.01125
10.8528	101.323	115.317	880.505	849.288	0.024456	6.22158	15.5525	-0.010938
10.8538	101.597	115.317	874.338	842.029	-0.004076	6.22187	15.0591	-0.012188
10.8548	101.323	115.317	867.028	834.854	-0.004076	6.21781	14.783	-0.012813
10.8558	101.323	115.317	859.261	826.186	-0.004076	6.21844	14.6858	-0.010313
10.8568	101.186	115.317	851.951	818.127	0.028532	6.22219	14.3189	-0.013125
10.8578	101.323	115.042	846.488	809.523	-0.004076	6.21908	13.7288	-0.011563
10.8588	101.48	115.042	842.585	803.649	-0.012228	6.21844	13.5284	-0.011563
10.8598	101.597	115.042	837.788	797.503	-0.004076	6.21888	13.0359	-0.0125
10.8608	101.049	115.179	835.047	793.133	-0.004076	6.21969	12.7399	-0.010313
10.8618	101.597	115.179	829.584	789.782	-0.004076	6.21812	12.4931	-0.011563
10.8628	101.597	115.591	825.338	783.299	-0.004076	6.21875	12.3451	-0.012813
10.8638	101.323	114.768	821.683	778.382	-0.008152	6.20719	11.9897	-0.012813
10.8648	101.049	115.317	816.543	774.011	-0.004076	6.17875	11.5082	-0.01125
10.8658	101.597	115.317	811.86	769.094	0.02038	6.15858	11.1115	-0.010938
10.8668	101.323	115.179	808.949	764.177	-0.004076	6.15906	10.8648	-0.011563
10.8678	101.323	115.179	802.951	760.353	-0.004076	6.23219	10.618	-0.01125

10.8688	101.48	115.179	798.04	755.438	-0.004078	6.22158	10.1248	-0.011583
10.8698	101.186	115.179	792.558	751.202	-0.004078	6.22219	9.97855	-0.010313
10.8708	101.186	115.317	787.304	746.558	-0.016304	6.22219	9.83114	-0.011583
10.8718	101.323	115.454	782.849	740.885	-0.004078	6.22312	9.38442	-0.00875
10.8728	101.48	115.042	776.339	736.041	-0.012228	6.21989	9.039	-0.012188
10.8738	101.323	115.317	772.227	731.534	-0.004078	6.22158	9.13789	-0.010938
10.8748	101.48	115.591	785.831	726.344	-0.004078	6.21844	8.48621	-0.010938
10.8758	101.48	115.317	760.806	721.837	0.028532	6.21844	7.90408	-0.011583
10.8768	101.323	115.317	754.637	717.058	-0.004078	6.22094	8.05211	-0.012813
10.8778	101.049	115.042	749.612	712.139	-0.004078	6.21688	7.65735	-0.012813
10.8788	100.775	115.317	743.558	707.486	0.038885	6.21625	7.45997	-0.010938
10.8798	101.48	115.317	738.19	701.896	-0.004078	6.21373	7.21325	-0.01125
10.8808	101.323	115.179	731.794	697.798	-0.004078	6.21856	6.86784	-0.011583
10.8818	101.597	115.591	726.54	691.518	-0.004078	6.21906	6.87048	-0.012188
10.8828	101.597	115.042	720.715	686.872	0.02038	6.21719	6.2757	-0.009063
10.8838	101.48	115.317	713.747	680.589	-0.008152	6.21594	6.17701	-0.011583
10.8848	101.323	115.317	708.036	676.218	-0.004078	6.19594	6.07832	-0.012188
10.8858	101.48	115.179	701.528	670.892	0.02038	6.17219	5.88094	-0.012188
10.8868	101.186	115.042	695.701	665.292	-0.004078	6.15469	5.3875	-0.011583
10.8878	101.323	115.042	689.305	655.048	-0.004078	6.15719	5.3875	-0.011583
10.8888	101.597	115.317	679.71	648.492	-0.004078	6.23187	5.09143	-0.012188
10.8898	101.48	115.317	670.887	642.073	0.038885	6.21781	4.84471	-0.011583
10.8908	101.48	115.868	662.806	634.424	-0.016304	6.21908	4.59786	-0.012188
10.8918	101.049	115.317	655.488	628.141	-0.004078	6.21906	4.79536	-0.011583
10.8928	101.597	115.591	647.729	621.178	-0.004078	6.21856	4.49829	-0.011583
10.8938	101.48	115.868	641.678	616.029	-0.004078	6.21719	4.30191	-0.010313
10.8948	101.186	115.179	634.252	609.293	-0.004078	6.21694	4.25257	-0.012188
10.8958	101.48	115.317	628.541	602.874	0.02038	6.21344	4.30191	-0.01375
10.8968	101.48	115.317	622.83	597.547	-0.004078	6.21719	3.9585	-0.010938
10.8978	101.049	115.317	617.347	591.401	-0.004078	6.21562	3.80847	-0.011583
10.8988	101.48	115.591	612.093	587.03	-0.004078	6.21781	3.68043	-0.01125
10.8998	101.323	115.317	605.811	580.811	-0.004078	6.21469	3.90718	-0.010938
10.9008	101.871	114.788	599.301	575.967	0.038885	6.21406	3.61109	-0.011583
10.9018	101.48	115.179	593.382	569.138	-0.012228	6.21469	3.5124	-0.011583
10.9028	101.48	115.317	586.985	565.04	-0.004078	6.21562	3.31502	-0.010938
10.9038	101.48	115.868	580.569	557.865	-0.004078	6.21781	3.11784	-0.011875
10.9048	101.48	115.179	574.401	552.811	-0.008152	6.21837	3.21833	-0.010313
10.9058	101.597	115.591	569.147	547.831	0.016304	6.19969	3.11784	-0.010938
10.9068	101.597	115.591	562.751	542.368	-0.004078	6.17531	2.82157	-0.012813
10.9078	101.186	115.591	557.954	537.314	-0.004078	6.15344	3.01895	-0.011583
10.9088	101.323	114.905	553.157	531.988	-0.004078	6.15469	2.82157	-0.011583
10.9098	101.323	115.042	548.191	527.48	-0.004078	6.22969	2.72288	-0.012813
10.9108	101.049	115.317	542.877	522.427	-0.004078	6.21888	2.77223	-0.011583
10.9118	101.323	115.042	537.823	517.783	0.040751	6.22312	2.82157	-0.011875
10.9128	101.323	115.042	532.255	513.412	-0.012228	6.22469	2.72288	-0.012813
10.9138	101.323	115.179	527.115	508.222	-0.004078	6.22408	2.72288	-0.011583
10.9148	101.049	115.454	522.09	502.213	-0.004078	6.22437	2.42681	-0.01125
10.9158	101.186	115.179	516.836	498.115	-0.004078	6.21719	2.32813	-0.009063
10.9168	101.323	115.042	511.467	492.925	-0.004078	6.21937	2.22944	-0.012813
10.9178	101.597	115.042	506.099	488.554	-0.008152	6.21844	2.13075	-0.011583
10.9188	101.186	115.042	501.188	483.774	-0.004078	6.21594	2.32813	-0.01125
10.9198	101.323	115.317	495.934	479.54	-0.004078	6.21844	2.13075	-0.012188

10.9208	101.323	115.591	481.479	474.077	-0.004078	6.21594	2.22944	-0.010625
10.9218	101.323	115.317	487.387	470.799	-0.004078	6.21856	2.03206	-0.010938
10.9228	101.049	115.179	481.885	465.882	-0.004078	6.21582	2.13075	-0.010313
10.9238	101.323	115.042	478.859	460.682	-0.004078	6.21531	2.13075	-0.010938
10.9248	101.46	115.317	471.377	456.456	-0.038885	6.21531	1.83337	-0.010938
10.9258	101.597	114.788	487.037	450.585	-0.004078	6.21219	2.0814	-0.011875
10.9268	101.323	115.042	481.783	444.029	-0.004078	6.15469	1.83488	-0.012188
10.9278	101.323	115.179	457.442	440.204	0.02038	3.89837	1.73599	-0.005625
10.9288	101.46	115.179	451.16	435.151	-0.004078	-0.695313	1.83337	-0.0125
10.9298	101.597	114.788	446.478	430.087	-0.004078	0.244062	1.6373	-0.010313
10.9308	101.323	115.317	440.787	424.807	-0.004078	-0.075825	1.14385	-0.011563
10.9318	100.912	115.317	435.741	419.99	-0.012228	0.022813	1.53861	-0.010313
10.9328	101.323	114.788	431.515	415.348	-0.004078	-0.010938	1.68664	-0.01
10.9338	101.46	115.179	426.948	409.883	0.044837	-0.000313	1.6373	-0.010313
10.9348	101.323	115.179	421.806	406.059	-0.004078	-0.005313	1.6373	-0.010938
10.9358	101.46	114.83	418.151	402.234	-0.004078	-0.001563	1.48927	-0.010313
10.9368	101.597	114.788	413.583	396.771	-0.004078	-0.002813	1.14385	-0.010938
10.9378	101.323	115.866	409.928	392.401	-0.004078	-0.003438	1.14385	-0.008875
10.9388	101.323	114.905	404.902	388.44	-0.004078	-0.001875	1.14385	-0.010625
10.9398	101.323	115.042	400.905	383.932	-0.004078	-0.003438	1.14385	-0.010938
10.9408	101.597	115.042	397.592	379.289	-0.004078	-0.002188	1.14385	-0.010313
10.9418	101.323	115.317	392.452	374.645	-0.004078	-0.002813	0.749095	-0.010313
10.9428	101.323	115.317	387.084	369.455	-0.004078	-0.002813	0.946474	-0.011563
10.9438	101.323	115.179	383.543	365.904	0.02038	-0.00375	0.69975	-0.010313
10.9448	101.186	115.317	379.089	363.035	0.038885	-0.004063	0.69975	-0.010313
10.9458	101.186	115.042	375.434	357.572	-0.004078	-0.004888	0.304993	-0.010313
10.9468	101.46	115.042	371.436	353.611	-0.004078	-0.005625	0.304993	-0.010938
10.9478	101.46	115.042	367.21	348.421	-0.004078	-0.004375	-0.13911	-0.010313
10.9488	100.775	115.317	362.413	344.46	-0.004078	-0.002813	-0.13911	-0.010313
10.9498	101.323	115.179	359.215	340.772	-0.004078	-0.003438	-0.237799	-0.010625
10.9508	101.46	114.905	354.418	337.495	-0.004078	-0.002813	0.107614	-0.009083
10.9518	101.323	115.317	351.334	333.534	0.024456	-0.005313	-0.13911	-0.010313
10.9528	101.46	115.317	348.479	329.983	-0.004078	-0.002813	-0.287144	-0.010625
10.9538	101.323	115.317	344.595	325.475	-0.004078	-0.003438	-0.338488	-0.010838
10.9548	101.597	115.317	341.054	323.29	-0.004078	-0.005313	-0.04042	-0.010313
10.9558	101.46	115.179	337.399	320.012	-0.004078	-0.005313	-0.13911	-0.010625
10.9568	101.323	115.591	334.318	318.1	0.028532	-0.003438	0.008924	-0.010938
10.9578	101.597	115.317	331.346	314.958	-0.016304	-0.003438	0.058289	-0.008063
10.9588	101.597	115.317	328.833	311.861	-0.004078	-0.002188	0.156959	-0.010625
10.9598	101.323	115.317	326.435	308.812	-0.004078	-0.005313	0.354337	-0.008125
10.9608	101.597	115.317	323.579	306.784	-0.024456	-0.006563	-0.13911	-0.01125
10.9618	101.323	115.729	320.153	304.305	-0.004078	-0.005313	0.156959	-0.013125
10.9628	101.46	115.317	318.325	301.71	-0.004078	-0.003438	0.69975	-0.010313
10.9638	101.323	115.317	316.041	299.252	-0.004078	-0.005313	0.304993	-0.010313
10.9648	101.46	115.317	313.185	296.383	-0.004078	-0.002813	0.551716	-0.010313
10.9658	101.323	115.317	310.444	293.788	-0.004078	-0.005313	0.255648	-0.010938
10.9668	101.46	115.317	307.36	290.783	0.048913	-0.005938	0.255648	-0.010938
10.9678	100.775	115.179	304.505	288.735	-0.004078	-0.004688	0.354337	-0.010313
10.9688	101.323	114.905	301.307	286.686	-0.004078	-0.004688	0.453027	-0.009375
10.9698	101.323	114.483	298.794	284.227	-0.004078	-0.004375	0.69975	-0.010313
10.9708	101.46	115.317	296.738	279.584	-0.004078	-0.003125	0.650406	-0.009688
10.9718	101.323	115.317	293.187	276.852	-0.032609	-0.008875	0.255648	-0.012188

10.9728	101.597	115.591	290.884	274.867	-0.004078	-0.005313	0.79844	-0.010313
10.9738	101.597	115.317	288.514	272.755	-0.004078	-0.004888	0.749095	-0.010938
10.9748	101.597	115.317	285.773	270.18	-0.004078	-0.005313	0.69975	-0.011563
10.9758	101.323	115.317	283.146	267.838	-0.004078	-0.002813	0.846474	-0.010938
10.9768	101.597	115.317	281.319	265.516	-0.004078	-0.008125	0.650406	-0.010313
10.9778	100.912	115.179	278.577	262.921	-0.004078	-0.007188	0.650406	-0.011563
10.9788	101.46	115.454	276.293	261.009	-0.004078	-0.003125	0.847784	-0.010938
10.9798	101.46	115.179	273.552	258.98	-0.004078	-0.004688	0.749095	-0.010313
10.9808	101.734	115.179	271.153	256.911	-0.004078	-0.005313	0.897129	-0.009375
10.9818	101.46	115.317	269.554	254.316	-0.004078	-0.006838	0.69975	-0.009688
10.9828	101.597	115.179	265.785	250.828	-0.038885	-0.009083	0.107614	-0.011875
10.9838	101.734	115.179	264.643	250.082	-0.004078	-0.005313	0.551716	-0.011563
10.9848	101.46	115.317	263.044	248.033	-0.004078	-0.004888	1.14385	-0.010938
10.9858	101.46	115.042	260.188	245.884	-0.004078	-0.005938	0.847784	-0.010625
10.9868	101.323	114.905	258.381	243.526	-0.004078	-0.004083	0.650406	-0.009375
10.9878	101.049	114.768	255.82	241.75	-0.004078	-0.006563	0.354337	-0.010313
10.9888	101.188	115.179	253.908	238.882	0.032609	-0.005313	0.354337	-0.009083
10.9898	101.734	115.042	252.079	237.107	-0.004078	-0.004888	0.354337	-0.010313
10.9908	101.597	115.729	250.937	235.804	-0.004078	-0.005313	0.304993	-0.010313
10.9918	101.597	115.179	248.881	234.102	-0.004078	-0.004888	0.206303	-0.010313
10.9928	101.323	115.591	247.853	232.19	-0.004078	-0.0075	0.354337	-0.009688
10.9938	101.323	115.317	247.738	230.551	-0.024458	-0.009083	0.107614	-0.012813
10.9948	101.597	115.729	248.424	232.053	-0.008152	-0.00825	0.158959	-0.011563
10.9958	101.46	115.317	250.708	233.555	-0.004078	-0.006563	0.749095	-0.01125
10.9968	101.46	115.179	255.82	237.107	-0.004078	-0.006563	0.058269	-0.010625
10.9978	101.323	114.905	261.218	241.341	-0.004078	-0.003125	0.058269	-0.010313
10.9988	101.188	115.042	263.044	246.258	-0.004078	-0.005313	0.255648	-0.010313
10.9998	101.734	115.179	259.617	250.828	0.048913	-0.004888	0.158959	-0.011563
11.0008	101.46	115.591	255.048	251.311	-0.008152	-0.005938	0.354337	-0.009688
11.0018	101.46	115.591	250.937	249.536	-0.004078	-0.006875	0.107614	-0.011563
11.0028	101.46	114.905	248.482	244.072	-0.004078	-0.005313	0.304993	-0.010313
11.0038	101.871	115.317	242.484	238.609	-0.004078	-0.006838	0.255648	-0.010313
11.0048	101.597	114.905	238.829	232.328	-0.038885	-0.007188	-0.435178	-0.010313
11.0058	101.049	115.317	234.603	230.96	-0.004078	-0.004083	0.304993	-0.010313
11.0068	101.323	115.179	231.291	228.229	0.024458	-0.004888	0.89975	-0.010313
11.0078	102.009	115.179	227.178	225.087	-0.004078	-0.005313	0.304993	-0.010938
11.0088	101.871	115.317	219.869	220.444	-0.004078	-0.001875	0.551716	-0.010938
11.0098	101.597	115.317	206.392	213.751	-0.006152	-0.006838	0.354337	-0.010313
11.0108	101.46	114.83	199.424	204.19	-0.004078	-0.007813	0.354337	-0.010938
11.0118	101.323	115.042	196.112	194.22	0.028632	-0.006563	0.255648	-0.009688
11.0128	101.049	115.042	192.885	187.254	-0.024458	-0.006563	-0.04042	-0.010313
11.0138	101.323	115.317	189.487	183.157	-0.004078	-0.006563	0.206303	-0.010625
11.0148	101.323	114.768	185.147	181.791	-0.004078	-0.006563	0.304993	-0.00875
11.0158	101.597	115.179	180.578	179.608	-0.009293	-0.010313	-0.237799	-0.014063
11.0168	101.46	115.179	178.066	179.059	-0.004078	-0.007813	0.354337	-0.011563
11.0178	102.009	115.179	178.979	176.801	-0.004078	-0.005625	0.69975	-0.011563
11.0188	101.46	114.768	180.35	173.869	-0.004078	-0.007188	0.551716	-0.01125
11.0198	101.46	115.179	181.264	174.008	-0.004078	-0.004375	0.354337	-0.010313
11.0208	101.597	115.042	181.264	175.098	-0.012228	-0.004888	0.354337	-0.008438
11.0218	101.46	116.042	180.578	176.874	0.057066	-0.00375	0.502371	-0.009688
11.0228	101.46	115.317	180.007	177.284	-0.004078	-0.005313	0.453027	-0.009688
11.0238	101.597	114.63	179.893	177.987	-0.004078	-0.005938	0.354337	-0.01125

11.0248	101.323	114.905	179.208	178.484	-0.004078	-0.007188	0.255648	-0.009688
11.0258	101.587	115.042	178.751	174.006	-0.004078	-0.008125	0.354337	-0.0125
11.0268	101.871	116.042	178.751	172.503	-0.02038	-0.00875	0.89975	-0.00875
11.0278	101.734	115.179	177.152	172.503	-0.004078	-0.005838	0.551716	-0.012188
11.0288	101.46	115.581	178.238	173.186	-0.004078	-0.005825	0.89975	-0.011875
11.0298	101.587	115.317	175.096	173.186	-0.004078	-0.005313	0.453027	-0.010313
11.0308	101.587	115.042	172.826	171.137	0.024458	-0.004063	0.89975	-0.009375
11.0318	101.587	115.179	171.869	169.498	-0.004078	-0.00825	0.551716	-0.009375
11.0328	101.46	115.042	170.527	167.588	0.02038	-0.004375	0.354337	-0.010625
11.0338	101.587	115.317	168.471	165.538	0.024458	-0.0075	0.551716	-0.01125
11.0348	101.587	115.179	168.073	162.396	-0.012228	-0.00875	0.551716	-0.011875
11.0358	101.049	115.042	164.017	161.577	-0.004078	-0.007813	0.354337	-0.010313
11.0368	101.323	115.179	162.075	159.118	-0.004078	-0.00825	0.502371	-0.009688
11.0378	101.587	115.454	160.704	157.206	-0.024458	-0.007188	0.158958	-0.009063
11.0388	101.587	115.042	157.738	155.021	-0.012228	-0.008875	0.107614	-0.010825
11.0398	101.587	114.83	156.138	152.835	-0.004078	-0.00825	0.749095	-0.009063
11.0408	101.46	115.317	154.308	151.47	-0.004078	-0.005838	0.304893	-0.010313
11.0418	101.587	115.179	152.367	149.011	-0.004078	-0.004875	-0.04042	-0.010825
11.0428	101.46	115.042	150.198	148.055	-0.004078	-0.009063	-0.04042	-0.011583
11.0438	101.323	115.042	148.141	145.46	-0.004078	-0.008583	0.158958	-0.010313
11.0448	101.46	114.905	148.085	143.411	-0.004078	-0.007188	0.255648	-0.010938
11.0458	101.587	115.317	144.257	141.226	-0.004078	-0.007813	0.354337	-0.010313
11.0468	101.587	114.768	142.43	140.27	-0.004078	-0.0075	0.107614	-0.010313
11.0478	101.587	115.179	140.831	138.982	-0.008152	-0.007188	0.058289	-0.011583
11.0488	102.009	115.042	139.46	136.172	-0.008152	-0.005825	0.158958	-0.009063
11.0498	101.587	114.356	136.833	134.26	-0.008152	-0.007813	0.107614	-0.012813
11.0508	101.871	115.179	136.033	133.031	-0.004078	-0.007188	0.850406	-0.010938
11.0518	101.188	115.179	134.206	130.982	-0.004078	-0.008583	0.354337	-0.010825
11.0528	101.734	115.317	133.282	130.163	-0.004078	-0.005313	0.354337	-0.009063
11.0538	101.587	115.042	131.351	128.524	-0.004078	-0.005313	0.354337	-0.009688
11.0548	101.323	115.042	129.98	126.812	-0.004078	-0.007813	0.255648	-0.010938
11.0558	101.871	115.042	128.723	125.382	0.038885	-0.008438	0.354337	-0.010313
11.0568	101.049	115.042	128.896	124.153	-0.004078	-0.00825	0.255648	-0.010938
11.0578	101.46	115.042	125.982	123.743	-0.004078	-0.005313	0.354337	-0.010313
11.0588	101.323	115.042	124.612	121.012	-0.004078	-0.00825	0.551716	-0.010313
11.0598	101.871	115.179	123.688	120.058	-0.004078	-0.007813	0.551716	-0.008125
11.0608	101.323	115.317	121.758	118.417	-0.004078	-0.0075	0.354337	-0.010825
11.0618	101.587	115.042	120.386	117.324	-0.004078	-0.00825	0.749095	-0.010313
11.0628	101.323	114.905	119.586	116.368	-0.004078	-0.008438	0.354337	-0.012188
11.0638	101.587	115.179	118.215	115.412	0.024458	-0.004875	0.502371	-0.009688
11.0648	101.734	114.905	116.731	114.046	-0.004078	-0.007188	0.255648	-0.010938
11.0658	101.871	115.179	115.017	112.134	-0.004078	-0.00875	0.354337	-0.010313
11.0668	101.587	115.042	114.332	111.881	-0.004078	-0.008583	0.502371	-0.010825
11.0678	101.188	115.317	113.676	110.222	-0.004078	-0.008438	0.255648	-0.011583
11.0688	101.587	114.905	112.276	109.948	-0.004078	-0.007188	0.453027	-0.010313
11.0698	101.188	115.317	111.382	108.583	-0.004078	-0.008583	0.354337	-0.010825
11.0708	101.587	115.042	110.906	108.671	-0.004078	-0.008875	0.453027	-0.008125
11.0718	101.587	115.581	108.85	105.578	-0.004078	-0.007188	0.354337	-0.012813
11.0728	101.587	115.317	108.164	104.822	-0.004078	-0.007188	0.601061	-0.010825
11.0738	101.188	114.905	108.906	103.528	-0.004078	-0.005313	0.158958	-0.010313
11.0748	101.323	114.83	105.766	102.573	-0.004078	-0.007188	0.304893	-0.011583
11.0758	101.323	115.042	105.651	102.163	-0.004078	-0.007188	0.354337	-0.01125

11.0788	101.597	115.042	104.052	100.798	0.028532	-0.005938	0.304993	-0.010313
11.0778	101.46	115.179	102.225	99.8418	-0.004076	-0.007188	0.304993	-0.009688
11.0788	101.734	115.042	101.654	98.4757	-0.004076	-0.007813	0.304993	-0.01125
11.0798	101.597	114.905	99.9406	98.2028	-0.02038	-0.009063	0.304993	-0.010625
11.0808	101.323	115.042	99.9406	96.8907	-0.02038	-0.007188	0.502371	-0.009688
11.0818	101.597	115.179	99.8264	95.3344	0.028532	-0.005625	0.453027	-0.0075
11.0828	101.597	115.042	97.1994	94.2417	-0.012228	-0.007813	0.354337	-0.010625
11.0838	102.148	115.179	96.0572	93.5588	-0.004076	-0.008563	0.502371	-0.010938
11.0848	102.009	115.179	94.915	92.6027	-0.004076	-0.007813	0.107814	-0.012188
11.0858	101.323	115.042	94.8868	91.51	-0.004076	-0.005313	0.502371	-0.007813
11.0868	101.597	115.042	93.5444	90.2808	-0.004076	-0.006313	0.354337	-0.009063
11.0878	101.597	115.317	92.6307	89.4613	-0.004076	-0.008125	0.304993	-0.01125
11.0888	101.597	115.179	92.6307	89.4613	0.061141	-0.005313	0.304993	-0.010313
11.0898	101.46	115.317	90.5747	88.0955	-0.008152	-0.00625	0.354337	-0.01125
11.0908	101.323	115.042	90.0037	88.0955	-0.004076	-0.007813	0.453027	-0.010938
11.0918	101.597	115.317	89.2041	86.5004	-0.004076	-0.007813	0.058269	-0.010938
11.0928	101.323	115.042	89.3183	85.0907	-0.016304	-0.008438	0.107814	-0.008438
11.0938	101.871	115.042	88.6913	84.1348	-0.004076	-0.007813	0.354337	-0.010938
11.0948	102.148	115.179	88.2345	82.9054	-0.004076	-0.008438	0.801061	-0.010313
11.0958	101.597	114.905	85.7776	82.6322	-0.004076	-0.008563	0.304993	-0.010313
11.0968	101.597	115.042	84.8639	81.5398	-0.004076	-0.008563	0.107814	-0.010938
11.0978	101.46	115.179	84.8354	81.6781	-0.004076	-0.005313	0.354337	-0.010925
11.0988	101.597	114.358	83.379	80.7201	-0.004076	-0.007813	0.551716	-0.009063
11.0998	101.323	115.591	82.8079	79.9008	0.024456	-0.00625	0.354337	-0.010938
11.1008	101.46	115.317	82.1228	79.3542	-0.004076	-0.008438	0.304993	-0.010938
11.1018	100.812	115.042	81.4373	79.9008	-0.004076	-0.008563	0.255648	-0.010313
11.1028	101.871	115.179	80.752	78.8958	-0.004076	-0.008875	0.304993	-0.011563
11.1038	101.734	115.317	80.1809	78.0783	-0.008152	-0.007813	0.551716	-0.008563
11.1048	101.323	115.042	79.2672	75.8031	-0.004076	-0.008438	0.551716	-0.000313
11.1058	101.597	114.493	82.6937	74.9839	-0.004076	-0.008563	0.551716	1.88719
11.1068	101.597	115.042	91.0318	75.6665	-0.004076	-0.005938	0.354337	2.67281
11.1078	101.46	114.768	80.8662	78.2616	-0.004076	-0.005938	0.551716	4.83187
11.1088	101.734	115.042	84.1785	80.8932	-0.004076	-0.008563	0.354337	4.53781
11.1098	101.597	114.768	78.5819	79.9008	-0.008152	-0.007813	0.354337	4.96969
11.1108	101.597	115.591	79.724	79.9008	0.028532	-0.007813	0.255648	4.98094
11.1118	101.871	115.179	78.1833	77.9884	-0.012228	-0.008125	0.255648	4.97344
11.1128	101.597	115.317	77.5539	76.3494	-0.004076	-0.009063	0.354337	4.97344
11.1138	102.148	115.317	75.0411	72.9349	-0.004076	-0.00875	0.304993	4.95219
11.1148	102.009	115.042	75.9549	71.2959	-0.004076	-0.005938	0.551716	4.83687
11.1158	101.597	115.179	73.4421	69.7935	-0.004076	-0.005625	0.354337	4.82156
11.1168	101.597	114.83	72.9852	68.7008	-0.004076	-0.007813	0.88975	4.87469
11.1178	101.46	115.042	72.1857	67.8813	-0.004076	-0.007813	0.88975	4.86406
11.1188	101.597	115.042	71.5004	68.0179	0.02038	-0.00625	0.255648	4.86219
11.1198	101.871	115.179	70.0155	67.0618	-0.004076	-0.004063	0.453027	4.88219
11.1208	101.597	114.493	69.6729	67.0618	0.024456	-0.007813	0.304993	4.86187
11.1218	101.597	115.042	69.1018	68.5155	0.024456	-0.008438	0.255648	4.86158
11.1228	101.597	115.591	67.8454	64.8765	-0.008152	-0.009063	0.255648	4.86158
11.1238	101.871	115.042	67.0459	65.9692	-0.004076	-0.007813	0.158959	4.86158
11.1248	101.186	114.768	68.4748	64.057	-0.004076	-0.007813	0.255648	4.87844
11.1258	101.597	114.905	68.3806	62.6912	0.02038	-0.005938	0.058269	4.87906
11.1268	101.597	115.042	65.4468	61.462	-0.004076	-0.00875	0.158959	4.87937
11.1278	101.597	115.042	64.7615	61.8717	0.028532	-0.008563	0.551716	4.8775

11.1268	101.597	115.042	63.6193	61.0522	-0.024456	-0.010313	0.354337	4.98094
11.1298	101.734	115.179	63.5051	59.823	0.024456	-0.005938	0.255648	4.97969
11.1308	101.734	115.042	62.934	60.3693	-0.004078	-0.007188	0.304993	4.98158
11.1318	101.871	115.179	62.0203	58.7309	0.02038	-0.00875	0.158959	4.98158
11.1328	101.597	115.179	62.0203	59.2767	0.036885	-0.007188	0.206303	4.98187
11.1338	101.871	114.83	61.2208	58.184	-0.004078	-0.009888	0.453027	4.97469
11.1348	101.734	115.317	60.8487	58.7303	-0.004078	-0.007188	0.158959	4.94989
11.1358	101.734	115.179	60.1928	58.8548	-0.004078	-0.005313	0.453027	4.93406
11.1368	101.871	115.042	60.1928	58.1353	-0.02038	-0.007813	0.158959	4.92959
11.1378	101.734	114.905	59.8844	55.8821	-0.004078	-0.007188	0.206303	4.98959
11.1388	101.734	115.179	58.8222	55.8621	-0.004078	-0.00875	0.304993	4.98531
11.1398	101.734	115.317	59.1848	55.5889	-0.004078	-0.008563	0.847784	4.98588
11.1408	101.597	115.042	57.7842	54.908	-0.004078	-0.007188	0.158959	4.98556
11.1418	101.734	115.042	57.68	54.7894	-0.004078	-0.007188	0.354337	4.98594
11.1428	101.188	114.788	56.7883	53.95	-0.012228	-0.010313	0.068269	4.98438
11.1438	101.597	114.788	56.9947	53.8134	0.02038	-0.010313	0.354337	4.98489
11.1448	101.597	114.905	56.5378	53.4036	-0.004078	-0.008563	0.255648	4.98281
11.1458	101.871	115.042	55.8525	53.95	-0.008152	-0.009083	0.354337	4.98344
11.1468	101.871	115.042	55.1872	52.311	-0.004078	-0.008583	0.304993	4.98344
11.1478	101.597	114.83	55.1872	51.7848	-0.004078	-0.008875	0.354337	4.98489
11.1488	101.048	114.905	54.9388	51.2183	-0.004078	-0.008875	0.206303	4.98281
11.1498	101.597	115.042	54.7103	51.8281	-0.008152	-0.007188	0.601061	4.98406
11.1508	101.048	115.042	54.1393	50.8088	0.028532	-0.007813	0.551716	4.98438
11.1518	101.597	115.317	53.9108	50.8088	-0.004078	-0.007813	0.354337	4.98719
11.1528	101.597	114.788	53.5882	50.1257	-0.004078	-0.005938	0.354337	4.98469
11.1538	101.734	115.179	52.8544	49.5793	-0.004078	-0.009083	0.255648	4.98594
11.1548	101.871	114.788	52.8544	48.8525	0.040781	-0.00825	0.354337	4.97469
11.1558	101.48	115.042	51.9891	49.3082	-0.004078	-0.0075	0.255648	4.96281
11.1568	101.734	114.905	51.9891	48.8525	-0.004078	-0.005313	0.354337	4.93469
11.1578	101.597	115.317	51.8681	48.4887	-0.004078	-0.00825	0.255648	4.93687
11.1588	101.597	115.317	51.7407	47.6872	0.024456	-0.008438	0.354337	5.00219
11.1598	102.148	115.179	50.1416	47.8038	-0.012228	-0.009083	0.304993	4.98469
11.1608	101.871	115.317	50.3701	46.7111	-0.004078	-0.008125	0.206303	4.98094
11.1618	102.148	114.788	50.1416	47.2574	-0.004078	-0.008888	0.749096	4.98989
11.1628	102.009	115.042	49.1137	46.8477	-0.004078	-0.010313	0.354337	4.98906
11.1638	101.597	115.317	49.8848	46.8477	-0.004078	-0.008563	0.354337	4.98906
11.1648	101.597	115.317	49.2279	46.1848	-0.004078	-0.008125	0.068269	4.98719
11.1658	102.009	115.179	48.8852	46.1848	0.040781	-0.0075	0.601061	4.98688
11.1668	101.323	114.788	48.0857	45.4819	-0.012228	-0.007813	0.255648	4.98594
11.1678	101.734	114.83	47.4004	45.2087	-0.004078	-0.007813	0.354337	4.98594
11.1688	102.148	115.317	47.6288	45.6184	-0.004078	-0.008563	0.304993	4.98688
11.1698	101.188	114.788	48.4284	45.0721	-0.004078	-0.005938	0.354337	4.98719
11.1708	101.597	115.317	46.4887	43.9795	-0.012228	-0.007813	0.255648	4.98281
11.1718	101.597	115.317	46.8009	44.116	-0.004078	-0.008125	0.453027	4.98781
11.1728	101.871	115.042	46.3784	44.2528	-0.012228	-0.008125	0.453027	4.98719
11.1738	101.597	115.317	46.7151	43.8429	0.02038	-0.008125	0.158959	4.98656
11.1748	101.597	114.493	45.8013	43.5897	-0.004078	-0.004375	0.354337	4.98989
11.1758	101.734	115.454	45.3445	42.7502	-0.008152	-0.010313	0.354337	4.97563
11.1768	101.597	115.179	46.0298	42.8888	-0.004078	-0.007813	0.206303	4.95469
11.1778	101.871	115.317	45.5729	42.7502	-0.008152	-0.007813	0.453027	4.93469
11.1788	101.871	114.493	45.0018	43.16	-0.004078	-0.008438	0.304993	4.94937
11.1798	101.597	115.179	45.3445	42.7502	-0.004078	-0.008438	0.403882	5.00312

11.1808	101.587	115.042	44.2023	41.9307	-0.008152	-0.010313	0.453027	4.98844
11.1818	101.597	115.317	44.3185	41.2478	-0.040781	-0.011583	0.255848	4.99406
11.1828	101.323	115.042	43.7454	41.8578	-0.004076	-0.009063	0.354337	4.99084
11.1838	101.734	115.042	43.7454	41.2478	-0.004076	-0.007813	0.850408	4.99125
11.1848	101.871	115.042	43.7454	41.7941	-0.004076	-0.007813	0.255848	4.99084
11.1858	101.734	115.317	43.517	41.6578	-0.004076	-0.004888	0.255848	4.98869
11.1868	101.597	115.317	43.1743	40.7015	-0.004076	-0.009063	0.158959	4.98938
11.1878	101.734	115.317	43.1743	40.2917	0.044837	-0.00825	0.206303	4.98719
11.1888	101.597	114.788	42.8033	40.5849	-0.004076	-0.008875	0.354337	4.98781
11.1898	101.323	114.905	42.7175	40.5849	-0.004076	-0.007813	0.850408	4.99084
11.1908	102.009	115.042	42.8317	41.2478	-0.004076	-0.00875	0.354337	4.98856
11.1918	101.871	115.179	42.3748	40.2917	-0.004076	-0.009063	0.255848	4.98969
11.1928	101.597	114.905	42.7175	38.9259	-0.008152	-0.008438	-0.04042	4.98489
11.1938	101.871	114.788	41.8895	38.9259	-0.004076	-0.008438	0.158959	4.9875
11.1948	101.871	115.042	41.8895	39.7454	-0.004076	-0.008125	0.801061	4.98969
11.1958	101.597	115.591	41.8037	39.1991	-0.004076	-0.007188	0.304993	4.99094
11.1968	101.597	114.788	41.4811	39.0825	-0.004076	-0.00825	0.354337	4.97531
11.1978	101.734	115.317	41.4811	38.7883	-0.004076	-0.007813	0.206303	4.95344
11.1988	101.597	114.83	41.3489	38.3786	0.052889	-0.005838	0.354337	4.93858
11.1998	101.597	115.179	41.0042	38.1084	-0.008152	-0.007813	0.453027	4.98219
11.2008	101.597	114.788	41.2328	39.1991	-0.004076	-0.010313	0.354337	5.00582
11.2018	101.871	114.83	40.8616	38.7883	-0.004076	-0.010313	0.158959	4.99281
11.2028	101.597	114.83	40.7758	37.0138	-0.012228	-0.008438	0.058289	4.99469
11.2038	102.009	115.042	40.0905	35.7846	-0.048913	-0.010838	-0.484623	4.99312
11.2048	101.48	115.042	39.6338	37.1503	-0.004076	-0.008583	0.354337	4.99489
11.2058	101.871	115.042	40.3189	38.7408	-0.004076	-0.007189	0.354337	4.99408
11.2068	101.597	114.788	39.882	38.7408	0.02038	-0.008125	0.158959	4.99344
11.2078	101.734	115.042	40.0905	38.7408	0.024458	-0.004888	0.158959	4.98969
11.2088	101.734	115.179	39.6338	38.4874	-0.004076	-0.008125	-0.089785	4.98781
11.2098	101.871	114.358	39.4052	35.9211	-0.004076	-0.007813	0.107814	4.99187
11.2108	101.323	114.788	39.1787	36.1943	-0.004076	-0.009375	0.304993	4.99084
11.2118	101.734	115.042	38.9483	35.8479	-0.008152	-0.009688	0.158959	4.99219
11.2128	101.597	114.83	38.8341	34.8285	-0.02038	-0.00875	0.158959	4.98906
11.2138	101.734	115.179	38.8058	35.3748	-0.004076	-0.0075	0.158959	4.99084
11.2148	101.597	114.905	38.0345	34.8919	-0.036685	-0.009375	-0.287144	4.98906
11.2158	101.597	114.788	37.8919	34.8285	-0.024458	-0.009375	0.354337	4.98969
11.2168	101.734	114.788	37.9203	36.0577	-0.004076	-0.007188	0.850408	4.99094
11.2178	101.597	114.905	37.5777	35.9211	-0.004076	-0.008875	0.255848	4.98844
11.2188	102.148	114.788	37.5777	35.3748	-0.004076	-0.008583	0.354337	4.94969
11.2198	101.871	115.179	37.5777	35.8479	-0.004076	-0.008438	0.354337	4.93594
11.2208	101.734	114.905	37.4834	35.3748	0.02038	-0.008125	0.551716	4.97781
11.2218	101.597	114.493	37.235	34.8285	-0.004076	-0.009083	-0.089785	5.00344
11.2228	101.48	114.788	38.8924	34.4187	-0.004076	-0.005838	0.354337	4.99344
11.2238	102.009	114.905	38.8639	34.8919	-0.004076	-0.009375	0.255848	4.99469
11.2248	101.871	115.042	37.8919	34.5553	-0.004076	-0.007813	0.304993	4.99531
11.2258	101.871	114.905	38.7781	32.2334	-0.036685	-0.012813	-0.089785	4.99813
11.2268	101.871	115.179	35.9788	33.5982	-0.004076	-0.008438	0.158959	4.99281
11.2278	101.734	115.042	38.4355	33.7358	-0.004076	-0.009375	0.801061	4.99344
11.2288	101.734	114.788	38.0928	33.1895	0.02038	-0.007188	0.206303	4.99094
11.2298	101.871	114.218	35.9788	32.9183	-0.004076	-0.005313	0.354337	4.99219
11.2308	101.049	114.788	35.6217	32.9183	-0.004076	-0.009083	0.255848	4.99219
11.2318	101.734	114.83	35.4075	33.1895	-0.004076	-0.008125	0.304993	4.99344

11.2328	101.871	115.042	35.636	32.5086	0.028532	-0.007188	0.206303	4.98219
11.2338	101.871	115.042	35.5217	32.7787	-0.004078	-0.008438	0.156959	4.99187
11.2348	101.871	115.179	35.4076	33.1895	-0.004078	-0.010313	0.206303	4.99312
11.2358	101.871	114.905	34.8364	32.6431	-0.004078	-0.009063	0.354337	4.99375
11.2368	102.009	115.042	33.6943	30.8676	-0.057085	-0.010938	-0.089785	4.99094
11.2378	101.597	115.317	34.608	31.5505	-0.004078	-0.008438	-0.04042	4.98969
11.2388	101.597	114.768	34.9507	32.6431	0.02038	-0.006875	0.561718	4.98906
11.2398	102.009	115.179	34.608	31.9602	-0.004078	-0.006563	0.354337	4.98219
11.2408	101.597	115.317	34.4938	31.8236	-0.004078	-0.005313	0.107614	4.93406
11.2418	101.597	114.768	33.8085	30.731	-0.004078	-0.010313	-0.04042	4.98094
11.2428	101.871	114.768	34.0369	31.0042	0.024458	-0.008438	0.156959	5.00156
11.2438	101.871	115.042	33.9227	30.1847	-0.004078	-0.009063	0.107614	4.99281
11.2448	101.734	115.042	34.0369	30.4578	-0.004078	-0.010313	0.107614	4.98875
11.2458	101.871	115.042	34.0369	31.1407	-0.004078	-0.007813	0.354337	4.99437
11.2468	102.009	115.317	33.6943	29.9115	-0.004078	-0.007813	0.107614	4.99344
11.2478	101.871	114.768	33.8085	28.5457	-0.008152	-0.010313	-0.04042	4.99781
11.2488	101.871	114.905	33.1232	29.092	-0.004078	-0.009063	0.058289	4.99125
11.2498	101.871	115.042	33.009	29.9115	-0.004078	-0.008125	0.453027	4.99469
11.2508	101.597	115.042	33.3518	30.1847	-0.004078	-0.007813	-0.04042	4.98969
11.2518	101.871	114.905	33.1232	29.9115	-0.004078	-0.005938	0.206303	4.99031
11.2528	101.597	114.83	32.3236	29.3652	-0.02038	-0.00875	0.058289	4.99156
11.2538	101.871	114.905	32.3236	29.9115	-0.004078	-0.006563	-0.089785	4.99469
11.2548	101.734	114.905	32.0952	29.092	0.02038	-0.007813	0.206303	4.99406
11.2558	101.46	114.768	32.3236	28.5457	-0.004078	-0.007813	0.255848	4.99344
11.2568	102.009	114.768	32.0952	30.1847	-0.004078	-0.009063	0.156959	4.99344
11.2578	102.146	114.768	31.5241	28.6823	-0.004078	-0.008125	0.156959	4.99469
11.2588	101.734	114.905	32.3236	27.7262	-0.02038	-0.009688	0.107614	4.99281
11.2598	101.597	114.83	30.953	27.9993	-0.008152	-0.010825	0.156959	4.99688
11.2608	101.049	114.768	31.1815	27.9993	-0.004078	-0.007188	0.749095	4.94806
11.2618	101.734	115.317	31.4089	28.5457	0.02038	-0.008875	0.255848	4.93719
11.2628	101.734	115.042	30.953	28.2725	0.02038	-0.005313	0.453027	4.99563
11.2638	102.146	114.768	30.953	29.3652	-0.004078	-0.00875	0.551718	4.99989
11.2648	101.734	114.83	30.4982	27.9993	0.036885	-0.008438	0.502371	4.99719
11.2658	102.009	115.042	30.8388	28.1359	0.02038	-0.0075	0.403682	4.99781
11.2668	101.597	114.768	30.953	28.1359	-0.004078	-0.009063	0.502371	4.99606
11.2678	102.146	115.042	30.6104	28.2286	-0.004078	-0.008438	0.354337	4.98969
11.2688	101.734	115.042	30.0393	27.0433	-0.004078	-0.009688	0.561718	4.99631
11.2698	101.734	114.493	30.8388	27.1799	-0.004078	-0.009063	0.561718	4.99781
11.2708	101.597	115.042	29.5824	26.7701	-0.004078	-0.007188	0.255848	4.98219
11.2718	101.734	115.317	29.8109	26.9067	0.02038	-0.005938	0.749095	4.99406
11.2728	101.734	114.83	30.0393	27.1799	-0.004078	-0.007188	0.749095	4.99781
11.2738	101.871	115.042	29.8109	26.6335	-0.004078	-0.006875	0.453027	4.99156
11.2748	101.597	115.042	29.4682	27.0433	-0.004078	-0.0075	0.354337	4.99094
11.2758	101.597	114.768	29.0113	25.8506	-0.004078	-0.010625	0.255848	4.99219
11.2768	101.597	114.218	28.7829	25.814	-0.016304	-0.01125	0.502371	4.99344
11.2778	101.049	114.83	29.4882	27.1799	-0.004078	-0.008438	0.551718	4.99219
11.2788	101.597	114.905	29.1255	26.4989	-0.004078	-0.008438	0.156959	4.99312
11.2798	101.734	114.768	28.5545	25.6774	-0.028532	-0.009888	0.502371	4.98594
11.2808	101.734	114.768	28.6986	26.0872	-0.004078	-0.007813	0.255848	4.98406
11.2818	101.734	115.317	28.8971	25.4043	-0.004078	-0.00875	0.008924	4.94344
11.2828	101.871	114.768	27.9834	25.4043	-0.004078	-0.008125	0.561718	4.94094
11.2838	101.597	114.493	27.9834	25.4043	-0.004078	-0.008438	0.156959	5.00094

11.2848	101.597	114.63	28.8687	25.814	-0.004078	-0.00825	0.354337	4.99219
11.2858	101.734	114.63	28.8687	25.8774	-0.004078	-0.009083	0.304993	4.99813
11.2868	101.871	114.768	28.2118	24.9945	-0.004078	-0.008438	0.354337	4.99813
11.2878	101.734	115.042	28.4402	25.5409	0.032609	-0.008438	0.354337	4.98531
11.2888	101.871	114.905	28.2118	25.2677	-0.004078	-0.008438	0.255848	4.98344
11.2898	101.871	114.768	28.2118	26.4969	0.028532	-0.007188	0.453027	4.98989
11.2908	101.871	114.905	27.8892	24.9945	-0.004078	-0.008125	0.354337	4.99219
11.2918	101.597	114.081	28.4402	24.175	-0.012228	-0.006875	0.208303	4.98218
11.2928	102.148	115.042	28.8412	23.3558	-0.012228	-0.009063	0.158959	4.98058
11.2938	101.871	114.63	27.4123	24.7214	-0.004078	-0.007813	0.255848	4.98781
11.2948	101.871	115.042	27.2981	25.1311	-0.004078	-0.008563	0.058289	4.98594
11.2958	102.148	114.768	27.0696	24.175	-0.004078	-0.008563	0.107814	4.99031
11.2968	101.871	115.042	27.2981	24.9945	0.02038	-0.005625	0.208303	4.98658
11.2978	101.597	115.179	28.8412	24.3118	0.024458	-0.010938	0.008924	4.98938
11.2988	102.148	114.768	27.0696	24.175	0.028532	-0.009063	0.107814	4.98989
11.2998	101.871	115.042	28.8412	24.0385	-0.012228	-0.008125	-0.04042	4.98719
11.3008	101.871	114.905	26.9554	25.5409	-0.004078	-0.009083	-0.04042	4.97594
11.3018	101.871	115.042	26.727	23.3558	-0.004078	-0.008438	-0.13911	4.95094
11.3028	102.148	114.768	26.8128	23.3558	-0.004078	-0.009063	0.058289	4.93906
11.3038	101.734	115.317	26.1558	22.8092	-0.004078	-0.007813	-0.04042	4.94094
11.3048	101.597	115.179	26.3843	23.9019	-0.004078	-0.008438	0.650408	5.00158
11.3058	101.734	115.042	26.3843	23.8287	-0.004078	-0.008438	0.208303	4.98989
11.3068	101.597	114.768	26.3843	23.219	-0.004078	-0.004888	0.107814	4.99281
11.3078	101.734	115.042	25.4708	23.219	-0.004078	-0.00875	-0.04042	4.99158
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11.3208	101.871	115.042	25.2421	22.3995	-0.004078	-0.008438	0.255848	4.98908
11.3218	101.734	115.317	24.7853	22.5361	-0.004078	-0.007813	0.354337	4.98989
11.3228	101.734	114.768	24.1	23.3558	-0.004078	-0.007813	0.453027	4.95031
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11.3248	101.597	114.768	24.5568	20.7805	-0.012228	-0.009063	0.453027	4.98489
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11.3298	101.597	114.63	24.7853	21.9897	-0.004078	-0.008125	0.453027	4.98844
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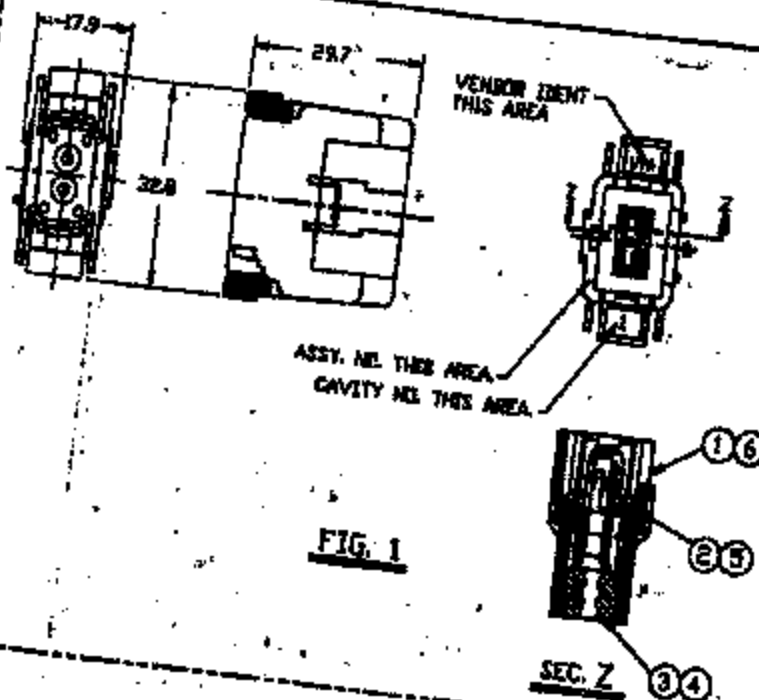
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11.3418	101.871	114.493	23.4147	20.8971	-0.004078	-0.010825	0.156959	4.98888
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11.3468	101.871	114.83	22.7293	21.0337	-0.004078	-0.010825	0.255848	4.98781
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11.3488	102.009	114.768	22.7293	19.941	-0.004078	-0.007813	0.304993	4.99187
11.3498	102.146	114.768	22.8436	20.8971	0.02038	-0.008125	0.551716	4.99187
11.3508	101.871	114.358	22.5009	21.1702	-0.004078	-0.010313	0.354337	4.99489
11.3518	101.871	115.179	22.7293	20.7605	0.02038	-0.007813	0.255848	4.98437
11.3528	101.48	114.83	22.7293	20.8239	-0.004078	-0.010313	0.354337	4.98989
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11.3558	101.734	115.042	23.1862	21.4434	-0.004078	-0.00875	0.156959	4.99094
11.3568	101.871	114.768	23.1862	20.8239	-0.004078	-0.007813	0.453027	4.98989
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11.3608	101.734	114.83	22.1583	20.2142	-0.004078	-0.008125	0.650406	4.98094
11.3618	101.48	114.83	22.7293	20.7605	-0.004078	-0.009375	0.255848	4.98781
11.3628	101.871	114.768	22.3867	19.941	-0.004078	-0.0075	0.650406	4.97781
11.3638	102.146	114.493	22.2725	20.2142	0.02038	-0.009888	0.354337	4.95719
11.3648	101.48	114.493	21.7014	19.8044	0.036685	-0.007188	0.156959	4.93625
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11.3668	102.009	114.768	22.3867	20.4873	-0.004078	-0.011563	0.156959	4.98989
11.3678	102.146	114.768	22.2725	20.4873	-0.004078	-0.007813	0.304993	4.98719
11.3688	102.009	114.905	23.1862	19.5313	-0.004078	-0.00875	0.354337	4.99531
11.3698	101.734	114.905	22.6151	20.4873	-0.004078	-0.007813	0.304993	4.99082
11.3708	102.146	114.768	22.2725	20.0776	-0.004078	-0.007813	0.502371	4.99187
11.3718	101.48	114.358	21.8158	19.3947	-0.004078	-0.007813	0.255848	4.98989
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11.3738	102.146	114.358	22.044	19.941	-0.004078	-0.004688	0.453027	4.98989
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11.3758	101.871	114.905	21.8158	20.4873	0.040781	-0.010313	0.354337	4.98938
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11.4708	102.148	114.83	19.9881	17.8923	-0.004078	-0.008438	0.551718	4.89281
11.4718	102.009	114.218	19.7597	18.5752	0.024458	-0.009083	0.058288	4.99906
11.4728	102.148	114.493	19.3028	17.8923	-0.008152	-0.010313	0.107614	4.89856
11.4738	102.148	114.788	19.417	18.4388	-0.004078	-0.010313	0.453027	4.89406
11.4748	102.009	114.493	20.3308	17.3459	-0.004078	-0.007188	0.354337	4.99219
11.4758	102.148	114.493	19.7597	18.1854	-0.004078	-0.009083	0.354337	4.88218
11.4768	102.009	114.905	19.8739	17.3459	-0.004078	-0.010838	0.008924	4.89219
11.4778	102.148	114.493	19.5313	18.8483	-0.004078	-0.009083	0.502371	4.99062
11.4788	102.009	114.788	19.3028	18.883	-0.02038	-0.008438	0.453027	4.99094
11.4798	102.148	114.493	19.6455	18.7998	-0.02038	-0.010938	-0.04042	4.88869
11.4808	102.148	115.042	19.5313	17.2084	-0.004078	-0.010313	0.354337	4.89125
11.4818	102.148	114.83	19.5313	17.3459	-0.012228	-0.010825	0.551716	4.99437
11.4828	101.734	115.179	19.6455	18.1854	0.02038	-0.009083	0.158959	4.99084
11.4838	102.009	115.042	19.417	17.8191	-0.004078	-0.005838	0.304983	4.88869
11.4848	102.148	114.493	19.1888	17.7557	-0.004078	-0.009888	0.354337	4.88838
11.4858	102.148	114.905	19.5313	17.3459	-0.004078	-0.010313	0.304983	4.98219
11.4868	102.009	114.788	20.2186	17.0728	0.02038	-0.007813	0.206303	4.95989
11.4878	101.871	114.905	19.3028	17.0728	-0.004078	-0.007813	0.158959	4.93868
11.4888	102.148	114.788	19.8739	18.8483	-0.004078	-0.007813	0.206303	4.93856
11.4898	101.597	114.493	19.7597	17.3459	-0.004078	-0.008438	0.058288	4.99584
11.4908	101.871	115.317	20.445	17.3459	-0.004078	-0.010313	0.107614	4.98719
11.4918	102.009	114.788	18.9802	17.3459	-0.024458	-0.010825	0.453027	4.89219

11.4928	102.146	114.768	19.0744	17.3458	-0.004078	-0.010938	0.502371	4.99281
11.4938	101.48	114.83	19.5313	18.302	-0.004078	-0.009375	0.354337	4.98989
11.4948	102.146	114.768	19.5313	18.1654	0.02038	-0.009063	0.304993	4.98989
11.4958	102.146	114.493	19.1886	18.1654	-0.004078	-0.008125	0.403662	4.99281
11.4968	102.146	114.905	19.5313	18.1654	0.044837	-0.007188	0.107814	4.98562
11.4978	102.146	114.768	19.7597	18.1654	0.024456	-0.008438	0.354337	4.98856
11.4988	102.146	114.768	19.5313	17.6191	-0.004078	-0.008438	0.107814	4.98562
11.4998	102.146	114.493	19.0744	18.4386	-0.004078	-0.009063	0.354337	4.98989
11.5008	102.146	114.081	19.0744	17.0728	-0.004078	-0.00875	0.107814	4.98908
11.5018	102.146	114.83	19.7597	17.8923	-0.004078	-0.010313	0.304993	4.98719
11.5028	102.146	115.042	19.417	17.3459	-0.004078	-0.009063	0.058269	4.98406
11.5038	102.146	114.493	19.3028	17.3459	-0.004078	-0.008438	0.601061	4.98406
11.5048	102.146	114.83	18.8175	17.8923	-0.004078	-0.00825	0.354337	4.98888
11.5058	101.871	114.218	19.417	17.8923	-0.004078	-0.005	0.502371	4.98856
11.5068	101.871	114.788	19.1886	17.3459	0.024456	-0.008125	0.551716	4.98344
11.5078	101.597	114.83	19.0744	16.7996	-0.004078	-0.008438	0.304993	4.94344
11.5088	102.009	114.493	19.0744	17.3459	-0.004078	-0.009375	0.156959	4.92469
11.5098	102.146	114.493	19.0744	17.7557	-0.004078	-0.010313	0.208303	4.98312
11.5108	102.146	114.493	19.3028	17.3459	-0.004078	-0.010938	0.304993	4.99187
11.5118	102.009	114.788	19.0744	16.9362	-0.004078	-0.007813	0.058269	4.98094
11.5128	102.009	114.83	19.7597	16.7996	-0.008152	-0.010313	0.156959	4.98489
11.5138	102.146	114.356	18.8175	17.3459	-0.004078	-0.009063	0.058269	4.97937
11.5148	102.146	114.788	19.8739	17.3459	-0.004078	-0.009063	0.354337	4.97988
11.5158	102.146	114.83	18.1606	17.2094	-0.012228	-0.009063	0.208303	4.97989
11.5168	102.009	114.83	19.0744	17.8923	-0.004078	-0.008125	-0.04042	4.97408
11.5178	102.009	114.493	19.0744	17.0728	-0.012228	-0.009375	0.255848	4.97594
11.5188	101.923	114.493	19.3028	17.3459	-0.004078	-0.009063	0.156959	4.97408
11.5198	102.146	114.83	18.8459	16.7996	-0.004078	-0.008125	0.156959	4.97781
11.5208	102.146	114.493	18.8459	17.2094	-0.004078	-0.007188	0.255848	4.97781
11.5218	102.146	114.493	19.8455	18.4386	-0.008152	-0.008668	0.058269	4.97719
11.5228	102.146	115.042	19.417	16.1167	-0.004078	-0.0075	0.107814	4.97344
11.5238	102.146	114.493	19.0744	17.6191	-0.004078	-0.007813	0.156959	4.97781
11.5248	102.146	114.83	18.9602	17.0728	-0.004078	-0.009063	0.107814	4.97469
11.5258	101.48	114.493	18.8175	17.8923	-0.004078	-0.008438	0.749095	4.97719
11.5268	102.009	114.905	18.7317	16.7996	-0.004078	-0.009063	0.255848	4.97344
11.5278	102.009	114.83	19.0744	16.683	-0.004078	-0.008438	0.255848	4.95856
11.5288	101.871	114.83	19.0744	17.3459	-0.004078	-0.009063	0.304993	4.93437
11.5298	102.146	114.218	19.0744	18.0288	-0.004078	-0.00825	0.156959	4.91856
11.5308	101.871	115.042	18.3891	16.683	0.028532	-0.010313	0.255848	4.96094
11.5318	102.009	114.356	18.9602	17.2094	-0.004078	-0.010313	0.156959	4.96312
11.5328	102.146	114.493	19.0744	17.8923	-0.008152	-0.008438	0.354337	4.97594

CEPT 330
SHOW



GE VALOX 430 SLEEVE

NO CHANGES FOR KULKARNY
92 & LATER

GILCOPE SPONGE GASKET

1990 DUROMETER CHANGED
& COMPRESSION DEFLECTION

1	F57B-14A464-ALA	
2	F9EB-14A464-AA	
3	F2AB-14A464-ADA	
4	F3LB-14A464-UA	
5	F42B-14A464-MA	
6	F5VB-14A464-AA	
	PART NUMBER	
		F5VB-14A464-AA

CAD	REVISIONS
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964-ALA
 F2AB-14A464-AA
 F3LB-14A464-ADA
 F47B-14A464-UA
 F5VB-14A464-AA

REQ'D	REQ'D	REQ'D	REQ'D	ITEM	PART NO.	NAME	COLOR
	●	●		1	108-005-2P-1	SLEEVE-WIRING CONNECTOR-MALE	BLACK
●			●	6	108-005-2P-2	SLEEVE-WIRING CONNECTOR-MALE	GRAY
●		●		2	2007-001-2P-1	GASKET-WIRING CONNECTOR	RED
	●		●	5	F3797	GASKET-WIRING CONN. (SILICONE)	RED
		●	●	4	F4SB-14603-AA	GROMMET-WIRING CONNECTOR (TV)	BLUE
●	●			3	E45B-14603-AA	GROMMET-WIRING CONNECTOR	GRAY

DATE	LET.	REVISIONS	CK	CN. NL
		RELEASED F5VB-14A464-AA. COMPLETE NB00-I-10112645-654		
	A1	ADDED F4ZB-14A464-MA WAS SHOWN ON C SIZE E9EB-14A464-AA (920321)		
	A2	ADDED F3LB-14A464-UA WAS SHOWN ON C SIZE DATED 911106		
	A3	ADDED F2AB-14A464-ADA WAS SHOWN ON C SIZE DATED 910115		
	A4	ADDED E9EB-14A464-AA WAS SHOWN ON C SIZE DATED 920321		
930917		NB00-E-10091775-210 RD		
910520		RELEASED F57B-14A464-ALA COMPLETE NB00-I-10220003-160		RECEIVED FBI

F57B-14A464-ALA					
E9EB-14A464-AA					
F2AB-14A464-ADA					
F3LB-14A464-UA			SEE ABOVE CHANGE COLUMN		
F4ZB-14A464-MA	MATL	DATE	REVISIONS/REL. NO.	CK	API
F5VB-14A464-AA	PART MUST COMPLY WITH SPECIFICATION VSS-WSP9999-A 1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT				
PART NUMBER	NAME		SLEEVE ASSY.-WIRE CONNECTOR-MALE		
	NO.		F5VB-14A464-AA		

3718 7002



ENGINEERING SPECIFICATION

PART NAME													PART NUMBER						
SPECIFICATION - SWITCH ASSEMBLY - STOPLANE													ES-261B-13480-AA						
LET.	A	REL	REL	REL	REL	REL	REL	REL	REL	REL	REL	REL	A	REL	REL	REL	REL		
FR.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
LET.	REL																		
FR.	19																		
DATE	LET.	FR.	REVISIONS										DR.	CR.	REFERENCE				
2-18-64			ALL RELEASED ES-261B-13480-AA COMPLETE										DL						
2-19-64			P86 BENIL & JCE PI-PR-525337										DL		PREPARED/APPROVED BY				
2-19-64			DIAGRAM RELEASED - P86 BENIL & JCE										DL		CHECKED BY				
2-23-64			PI-PR-525337-1										DL		DETAILED BY				
													SIGNATURES						
													PRINCIPAL DESIGN ENGINEER						
													DESIGN ENGINEER						
													PER MATERIAL ENGINEERING						
													PER RELIABILITY ENGNG.						
													MANUFACTURING ENGNG.						
													QUALITY CONTROL						
													PURCHASING						

ES-112 / 01

JAN 1970 3847-111 (Previous editions may not be used)

3718 7005

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I. GENERAL

- A. This specification is an extension of the released drawing on the above part and all requirements of this specification must be met in addition to all other requirements of the part drawing. Minimum measures necessary for demonstrating compliance are given in each section.
- B. The engineering test schedule contained within this specification reflects the minimum values established to provide a regular evaluation of conformance to design intent. The schedule is intended as a supplement to normal material inspections, dimensional checking, and in-process controls; and should in no way adversely influence adherence to other more statistically significant inspection operations.
- C. This specification establishes the engineering requirements for a single pole, single throw, normally open switch which is designed to be operated by the brake master cylinder push rod to provide an electrical signal to the stoplamps upon application of the brakes.

II. PRODUCTION VALIDATION AND IN-PROCESS TESTS

- A. Compliance with all of the requirements in this section must be demonstrated as follows:
 1. Production Validation (PV) Tests must be completed satisfactorily with parts from production tooling and processes before IPIR approval and authorization for shipment of production parts can be effected. Parts must be revalidated completely, or per Section V, whenever any change is made which could possibly affect part function or performance.
 2. In-Process Tests Phase I (IP-1) - IP-1 tests are used to demonstrate process capability and must be completed using initial production parts from production tooling and processes prior to first production shipment approval. IP-1 tests are to continue in effect until process capability is demonstrated.
 3. In-Process Tests Phase 2 (IP-2) IP-2 test program may be implemented only after process capability has been established. Tests must be completed with production parts on a continuing basis. Samples for these tests must be selected on a random basis to represent the entire production population as much as possible. In the event that any portion of these tests are not met, the reaction plan specified (specify either a reaction plan attached to the ES, or Ford Q-101 Section "ES Test Failure", as appropriate) shall be invoked.

ES 211 / 02

3718 7006

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II. B PRODUCTION VALIDATION AND IN-PROCESS TESTS (Cont'd.)

TEST SUMMARY CHART

Test	ES Test Number	PRODUCTION VALIDATION		IN-PROCESS IP-1		IN-PROCESS IP-2	
		Minimum Sample Size	Statistical Test Acceptance Criteria	Minimum Sample Size	Statistical Test Acceptance Criteria	Minimum Sample Size & Frequency	Statistical Test Acceptance Criteria
Durability							
General (Cycles Life)	II.C.4.a & b	12	P.70 = .90	Not required. If production validation tests cannot be performed with parts from production tooling and production processes, production validation schedule shall be implemented to meet the requirements of IP-1.		-	-
Humidity	II.C.3.a.	12	P.70 = .90			-	-
Dust	II.C.3.b.	12	P.70 = .90			-	-
Vibration	II.C.3.c.	12	P.70 = .90			-	-
Drop Test	II.C.2.a.	12	P.70 = .90			-	-
General (Short Term)	II.B.2.a.(4)	-	-			6/shift	No Failures
Drop Test	II.D.2.a. (9)	-	-			6/shift	No Failures
Functional							
Switch Resistance	II.C.1.a.	12	P.70 = .90			-	-
Calibration	II.C.1.b.	50	P.70 = .95			-	-
Calibration	II.C.1.c.	12	P.70 = .90			-	-
Stability						-	-
Dielectric	II.C.1.d.	12	P.70 = .90			-	-
Contact Closing Force	II.C.2.a.	12	P.70 = .90			-	-
Terminal Retention	II.C.3.b.	12	P.70 = .90			-	-
Temperature	II.C.3.d.	12	P.70 = .90			-	-
Calibration	II.B.1.a.(1) & (2)					100%	No Failures
Switch Resistance	II.B.1.a.(3)					100%	No Failures
Calibration	II.B.1.a.(3)&(7)					6/shift	No Failures
Switch Resistance	II.B.2.a.(1)&(5)					6/shift	No Failures
Contact Closing Force	II.B.2.a.(2)&(6)					6/shift	No Failures
Terminal Retention	II.D.2.a.(8)					6/shift	No Failures
Reliability Audit							
Major Charac.	II.B.2.					100%	P.40 = .997
Parameter Verif.-	II.B.3.					50	30' within spec.

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IX. PRODUCTION VALIDATION AND IN-PROCESS TESTS (Cont'd.)

C. Component Performance Characteristics

1. Electrical Requirements

- a. Switch Resistance - The initial switch contact resistance shall not exceed 110 millivolts at 10.4 amperes load current. During durability testing up to and including 400,000 cycles, the contact resistance shall not exceed 120 millivolts at 10.4 amperes load current. After 400,000 cycles the contact resistance shall not exceed 170 millivolts at 14.8 amperes. The switch resistance measurements shall be taken with the switch plunger depressed to .003 inch beyond the point of initial contact.
- b. Calibration - The production calibration range to close and maintain the electrical circuit shall be between .704 and .716 inches. A calibration reliability requirement of .93 with 90% confidence for an upper calibration limit of .716 shall be demonstrated by Production Parts with the following "Double Sampling Plan." (No production part shall exceed .720 for initial calibration). A random sample of 50 pieces shall be tested for calibration. If no failures occur (over .716 or under .704), the test may be stopped and the requirements have been demonstrated. If more than 4 failures occur, the sample lot has failed the calibration reliability test. If 1 to 4 failures occur, take another random sample of 140 pieces and test for calibration. If the combined total failures from the 190 pieces is 4 or less, the requirement has been demonstrated. If more than 4 failures occur, the 190 piece sample lot has failed the calibration reliability test.
- c. Calibration Stability - After 10,000 cycles of durability, the switch calibration range may expand to .706 to .724 inches.
- d. Dielectric - The dielectric materials used in the switch shall be capable of withstanding 400 volts, 60 Hertz A.C. between all current carrying parts and housing indefinitely. For test purposes the above potential shall be applied for a duration of one minute minimum between one terminal and the metal switch sideplate.

2. Mechanical Requirements

- a. Contact Closing Force - The force required to close the contacts before, during and after durability testing shall be within the limits as specified on the applicable drawing. Contact closing force shall be measured at the point of initial electrical contact closure.
- b. Terminal Retention
- Each terminal shall withstand a push and pull force of 25 lbs. in the direction of normal engagement and disengagement of the connecting device.
 - Each terminal shall withstand a clockwise and counterclockwise torque of 15 in.-ozs. without terminal movement.

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II. PRODUCTION VALIDATION AND IN-PROCESS TESTS (cont'd.)

0. 2. a. Drop Test - the switch, after being dropped 3 feet to a concrete surface, shall meet the requirements of Section II.C.1.a & b. & 2.a & b.

3. Environmental Requirements

- a. Humidity - the switch shall operate (either dry or wet) and meet the requirements of Sections II.C.1.a. & b. after being exposed to 97% relative humidity at 120°F for 4 hours.
- b. Dust - the switch shall operate and meet the requirements of Sections II.C.1.a. & b. & 2.a. after being exposed for 3 hours in a dust chamber 3 ft x 3 ft x 3 ft. containing 15 lbs of fine Arizona sand. At intervals of 15 minutes, this dust should be agitated by compressed air or a fan blower for a two (2) second period in such a way that the dust is completely diffused throughout the entire chamber.
- c. Vibration - when mounted in vehicle position, the switch must withstand 8 hours vibration in the vertical plane and 8 hours in the horizontal plane. After vibration the switch is required to function and meet the requirements of Sections II.C.1.a. & b. & 2.a. The rate of vibration shall be 3 c.p.s. accelerating through 50 c.p.s. and decelerating to 3 c.p.s. in one minute. The excursion shall be .03 in.
- d. Temperature - the switch shall meet the requirements of Section II.C.1.a. & b. at -20°F and at 150°F.

4. Durability Requirements

- a. The reliability life requirement of .90 with 70% confidence at 300,000 cycles shall be demonstrated by subjecting a random sample of 12 switches to the following life test with environmental tests at the stages noted. If no failures occur, the test may be stopped after 300,000 cycles.
- b. If a failure occurs before 300,000 cycles is completed the following test plan may be implemented:

Test Plan Table

Number of Cycles on Each Switch	Number of Failed Switches*		
	<u>Satisfactory Life Stop Test</u>	<u>Continues Testing</u>	<u>Unsatisfactory Life Stop Testing</u>
Less than 300,000	0	1	2 or more
300,000	1	-	2 or more

- * A failed switch is defined as one which does not meet the specified requirements for operating force, voltage drop, or no longer opens and closes the electrical circuit within the specified calibration (initial calibration of .706 to .716 may expand to .706 to .724 after 10,000 cycles of durability).

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3718 7009

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11. PRODUCTION VALIDATION IN-PROCESS TESTS

2. In-Process Tests

1. Functional - 100% Check

a. In-Process 100% Test Equipment: All 100% In-Process Testing must be performed on an automatic test fixture. This test fixture shall meet all of the following requirements:

- 1) Loading and unloading of switches may be manual or automatic.
- 2) Sequencing and testing shall be automatic.
- 3) Sequencing shall be interlocked so that once a switch is installed in the fixture it must go through each test in sequence before it is approved or rejected.
- 4) Rejected parts must be automatically diverted into a red reject container.

b. In-Process 100% Test Equipment Operation:

- 1) For each rejected part from the final In-Process Tester, the failure mode is to be identified and recorded. Records shall consist of a preprinted tally sheet listing readily identifiable functional failure modes. Immediate corrective action is to be implemented if a significant sample exhibit the same failure mode.
- 2) Accurate records of the daily quantities in each failure mode and the corresponding corrective actions are to be maintained at the supplier's plant as specified in Q-101.
- 3) Test equipment capability must be demonstrated at the beginning and end of each shift by the use of specially prepared components (or simulated components) that exhibit defective performance not greater than 3% of the minimum or maximum characteristic being tested.
- 4) If these components are not rejected by the test equipment the equipment shall be considered defective and all checks must be performed by suitable stand-by equipment (not necessarily automatic). If defective test equipment is discovered at the end of the shift, all components manufactured after the last test equipment capability check are to be considered suspect and shall be 100% reinspected. The burden of reinspection can be lessened by checking the test equipment more frequently than twice per shift.
- 5) Suitable counters are required to readily indicate first time capability of all test equipment (number tested and number accepted or rejected for each failure mode as specified in section C). Data from the counters shall be included with the in-process data described in Section VII.

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11. PRODUCTION VALIDATION AND IN-PROCESS TESTS (Cont'd.)

1. a. Perform the following tests on 100% of production stock:

- 1) Check switch for normally open circuit. Switch must be open up to but not including .706 inches travel and reclose the circuit when travel is reduced below .706 inches.
- 2) Check switch for calibration. Switch must close circuit and remain closed between .706 inches and .716 inches travel.
- 3) Check switch for millivolt drop. Switch Voltage Drop must not exceed 110 millivolts at 10.4 amperes. (The .705 in. overtravel of Paragraph II.C.1.a. is optional for manufacturing testing.)

2. Functional - Lot Control

a. Pick at random two switches from each hour's production for the first three hours of each shift (total of six pieces) and perform the following tests recording data where applicable:

- 1) Check switch resistance per Section II.C.1.a.
- 2) Check switch contact closing force per Section II.C.
- 3) Check switch calibration per Section II.C.1.b.
- 4) Install switches on a Ford Engineering approved cycling fixture and operate for 3,000 cycles with the electrical load connected per Figure 1 in a $80 \pm 10^\circ\text{F}$ ambient.
- 5) Check switch resistance per Section II.C.1.a.
- 6) Check switch contact closing force per Section II.C.2.a.
- 7) Check switch calibration per Section II.C.1.b.
- 8) Check terminal retention per Section II.C.2.b.
- 9) Perform Drop Test and functional check per Section II.C.2.c.

b. Lot Control - Failure: If a production part fails to meet the specification requirements during a lot control test, the supplier shall refer to Ford Q-101 section 6.4.2., "RS Test Failure", and comply with the requirements shown for the Lot Control Test.

2. Component Assembly Reliability

1. A 0.997 minimum probability is required at the 60% confidence level of critical defect free components leaving the manufacturing facility. Demonstration of meeting this requirement is to be performed annually by supplier personnel within 45 days of initial part production.

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II. PRODUCTION VALIDATION AND IN-PROCESS TESTS (Cont'd.)

I. 1. (Cont'd.)

Ford personnel (NRP and AAD) are to be informed 7 days prior to the audit to permit planning time for their optional participation. In the event of audit failure, the supplier is obligated to initiate corrective action as defined in Section 6.4.1 of Q-101.

Assemblies are to be inspected for the major characteristics as follows in sufficient quantities to validate the requirement. A minimum of 400 samples is required if no defects are observed. If failures are observed, the following test plan is to be implemented. A sample of the components will be used for parameter verification.

TEST PLAN No. of Failures

<u>Total Quantity Tested</u>	<u>Satisfactory (Stop Test)</u>	<u>Continue Testing</u>	<u>Unsatisfactory (Stop Test)</u>
400	0	1 or 2	3 or more
1923	1	"	3 or more

2. Major Characteristics

- Verify that switch contacts are normally open and remain open up to but not including .706 inches.
- Verify that switch contacts close between .706 and .716 inches. (Refer to Section II.C.1.b. for exception).
- Verify that switch contacts close within the print specified closing force range.

3. Parameter Verification

Select 30 random samples from the above audit and perform the following tests:

- Measure and record switch contact closing dimension.
- Measure and record switch contact resistance.
- Measure and record switch contact closing force.
- Visually inspect terminal alignment using terminal alignment gage.

A statistical analysis of this data from a., b. and c. must result in the 3 sigma limits being with the specification limits (see Section IV, "Statistical Analysis Methods"). All samples from Item 3d must be within the gage limits.

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III. TEST PROCEDURE AND REQUIREMENTS

A. Test Equipment

1. The power source used in all tests shall have the following characteristics:
 - a. Voltage Range: 0 to 18 VDC (minimum).
 - b. Ripple: 0.75% maximum.
 - c. Dynamic Regulation: The output voltage shall not deviate more than 1.0 V from 0 to maximum load and shall recover 65% of its maximum excursion within 100 milliseconds.
 - d. Static Regulation: The output voltage shall not deviate more than 2% with changes in static load from 0 to maximum.
2. The test circuit diagram, Figure 1, shall be used for all durability cycle testing.

B. Test Fixtures

1. The durability test fixture, Figure 2, shall be used for all Production Validation and Development Testing. It shall cycle switches in vehicle position at rates of 5 or 10 cycles per minute. Each cycle shall consist of one (1) second of switch contacts closed and ten (10) seconds of contacts open, or if means are provided to alternate the bulb load for each cycle, the rate can be varied to one (1) second of contacts closed and five (5) seconds of contacts open. The intent of this requirement is to provide a minimum of ten (10) seconds cooling time between each application of current to the lamp load.
2. The operating force test fixture, Figure 3, shall be used for all tests measuring the force required to close the switch contacts.
3. The vibration test fixture, Figure 4, shall be used for all vibration tests.
4. The calibration measurement tool shall be used for all switch calibration checks. This tool shall be designed, manufactured and calibrated by the switch manufacturer and approved by Ford Engineering.
5. The terminal alignment fixture, Figure 5, shall be used for checking all terminal and connector requirements.

C. Test Procedure

Unless otherwise specified all tests shall be conducted in an ambient temperature of $80 \pm 10^{\circ}\text{F}$.

The test sequence as shown on the flow chart, Figure 6, shall be used for all Product Validation Tests.

Select at random one set of (12) switches from regular production stock for the following tests:

1. Measure and record switch resistance, calibration and contact closing force per Section II.G.1-a. & b. & 2.a.

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III. TEST PROCEDURES AND REQUIREMENTS (Cont'd.)

- C. 2. Mount switches on test fixture, Figure 2, and stabilize ambient at -20°F . Perform 20,000 cycles of durability test.
3. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
4. Stabilize switch ambient at $+150^{\circ}\text{F}$ and perform 10,000 cycles of durability test.
5. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
6. Perform 30,000 cycles of durability test at room ambient ($80 \pm 10^{\circ}\text{F}$).
7. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
8. Perform Dielectric Test per Section II.C.1.d.
9. Perform Vibration Test per Section II.C.3.c.
10. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
11. Perform 100,000 cycles of Durability Test at room ambient.
12. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
13. Perform Humidity Test per Section II.C.3.a.
14. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
15. Perform 100,000 cycles of Durability Test at room ambient.
16. Perform Dust Test per Section II.C.3.b.
17. Measure and record switch resistance calibration and contact closing force per Sections II.C.1.a. & b. & 2.a.
18. Perform 100,000 cycles of Durability Test at room ambient.
19. Measure and record switch resistance and calibration per Sections II.C.1.a. & b.
20. Add (2) 1157 bulbs as increased load for each switch.
21. Perform 100,000 cycles of Durability Test at room ambient.
22. Measure and record switch resistance, calibration and contact closing force per Sections II.C.1.a. & b. & 2.a.
23. Perform Terminal Retention Test per Section II.C.2.b.

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III. TEST PROCEDURES AND REQUIREMENTS (Cont'd.)

G. 24. Perform Drop Test per Section II.C.2.c.

25. Measure and record switch resistance, calibration and contact closing force per Sections II.C.1.a. & b. & 2.a.

IV. STATISTICAL ANALYSIS METHODS

The following methods for reducing test data to determine compliance with the Reliability Acceptance Criterion shown in the Test Schedule, Section II.E.

A. P₉₅ = .95

The Reliability Acceptance Criterion (P_{95} = confidence level, P_{95} = reliability) is met if all sample characteristics are within the applicable rating limits.

B. Q-101

The requirements of Q-101 are met if all measured sample characteristics are within the applicable rating limits. (Reference: Q-101, Ford Quality Control Specification.)

C. Standard Deviation

(Establishment of upper and lower control limits for the average $\bar{X}$ and the range ± 3 sigma is the responsibility of Q.C.).

1. The standard deviation (sigma) is the square root of the sum of the individual measurements minus the average squared divided by the number of measurements minus 1. Mathematically:

$$\text{Standard Deviation, } s = \sqrt{\frac{\sum (X_i - \bar{X})^2}{N - 1}}$$

Where: X = Individual measurement
 N = Number of measurements
 $\sum$ = Sum
and average = $\bar{X} = \frac{\sum X}{N}$

2. A point outside the control limits (control limits to be narrower than specification limits) is unacceptable. The cause must be determined and corrective action implemented.

V. REVALIDATION REQUIREMENTS

A. Running changes - re-validation is required for any running change in design, material, process, location, sub-supplier or supplier. The following requirements must be met prior to incorporation of any change:

1. A detailed description of the change must be submitted in writing to SEPE.
2. SEPE will establish in writing, re-validation tests and sample sizes.
3. Re-validation tests must be completed.
4. SEPE must give written approval of the change.
5. A change log must be maintained by the supplier to include:

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V. REVALIDATION REQUIREMENTS (Cont'd.)

A. 3. (Cont'd.)

- a. Change Description
- b. MEPS Approval Date
- c. Incorporation Date.

2. Annual Re-Validation - part re-validation must be performed annually prior to Job #1 of the new model year, but may be waived if authorized in writing by Ford Product Engineering.

C. Production Re-Validation Test Failures

The supplier must submit the failed part and a failure analysis report with corrective action recommendation to Ford Product Engineering. The Product Engineering Office will issue a written report outlining the required corrective action and/or additional tests required for successful Production Validation Test completion.

VI. LOT DEFINITION

A lot shall have been manufactured in a continuous time period, on a validated production line, with unchanged process. Lot identification shall be established prior to performing tests. A lot must not overlap a production shift change.

VII. RECORD RETENTION

- A. Samples used by the supplier to demonstrate compliance with the "Production Validation" portion of this specification must be retained by the supplier for the balance of part production or until replaced by samples from more recent "Production Validation" tests.
- B. Samples used to demonstrate compliance with the "In-Process Tests" must be retained by the supplier for at least one month and may not be included in production shipments. Samples subjected only to tests performed on 100% of production stock need not be retained as described above.
- C. Data from "In-Process Tests" are to be filed at supplier's plant and made available to Ford Motor Company representatives upon request.
- D. Complete "In-Process Test" data is to be mailed to the Ford Motor Company, Supervisor MEPS Electrical Design Section twice a month for the production shift following the 15th and the last day of the month.
- E. Statistical Process Control Data shall be supplied to BACE and S.A. SQA upon request.

VIII. INSTRUCTIONS AND NOTES

Silicone or silicone compounds may not be used in the processing or manufacturing of the assembly or its various components.

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IX. PRERELEASE REQUIREMENTS

Prior to engineering release, the switch assembly supplier must comply with the following requirements:

- A. A full set of component specification, and detail drawings, are to be submitted to SEPE, Ford Motor Company. They will be stored by the design engineer at SEPE for reference and will be treated as proprietary material. Any request for modification to these prints, component processing or testing procedures must be submitted on a Supplier Request for Engineering Approval Form (SREA Form 1638).
- B. A failure mode and effect analysis (FMEA) at the subcomponent level shall be completed and submitted to SEPE for review.
- C. A detailed description of the container to be used for shipment shall be submitted to AAD and SEPE for comment. The report must indicate material, size, quantity per carton, and method of part separation.

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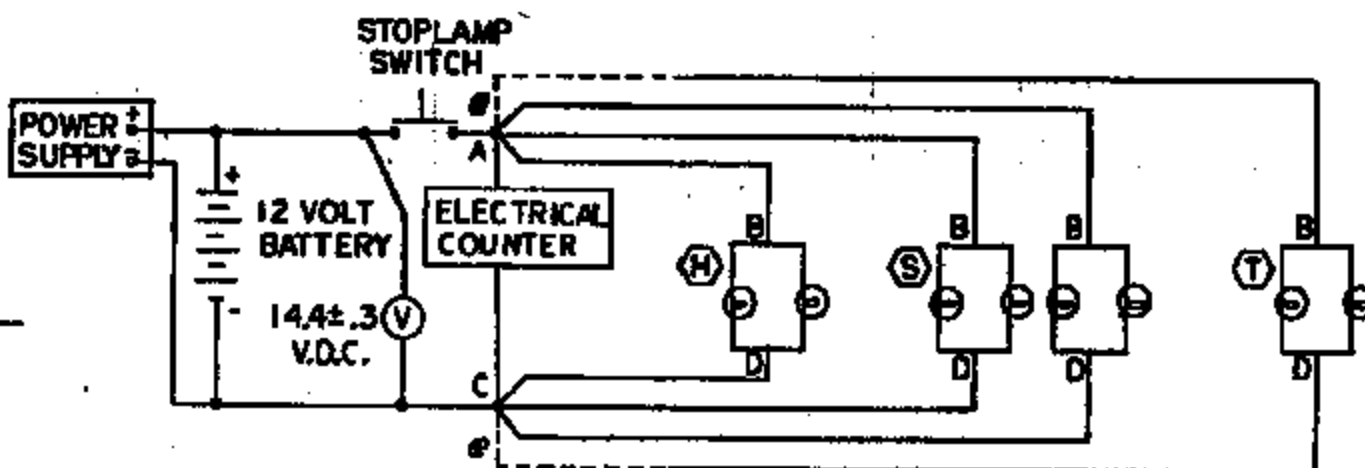
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FIGURE 1
DURABILITY TEST CIRCUIT DIAGRAM



A-B 25 FEET 18 GAGE WIRE*

C-D 7 FEET 18 GAGE WIRE*

(S) STOPLAMP LOAD (4) 1157 BULBS

(H) HIGH MOUNT LOAD (2) 922 BULBS

(T) TRAILER LOAD (2) 1157 BULBS*

ALL OTHER WIRE 14 GAGE MINIMUM

*NON-INDUCTIVE WIRE FOLD PERMITTED

*CONNECTED FOR LAST 100K CYCLES ONLY

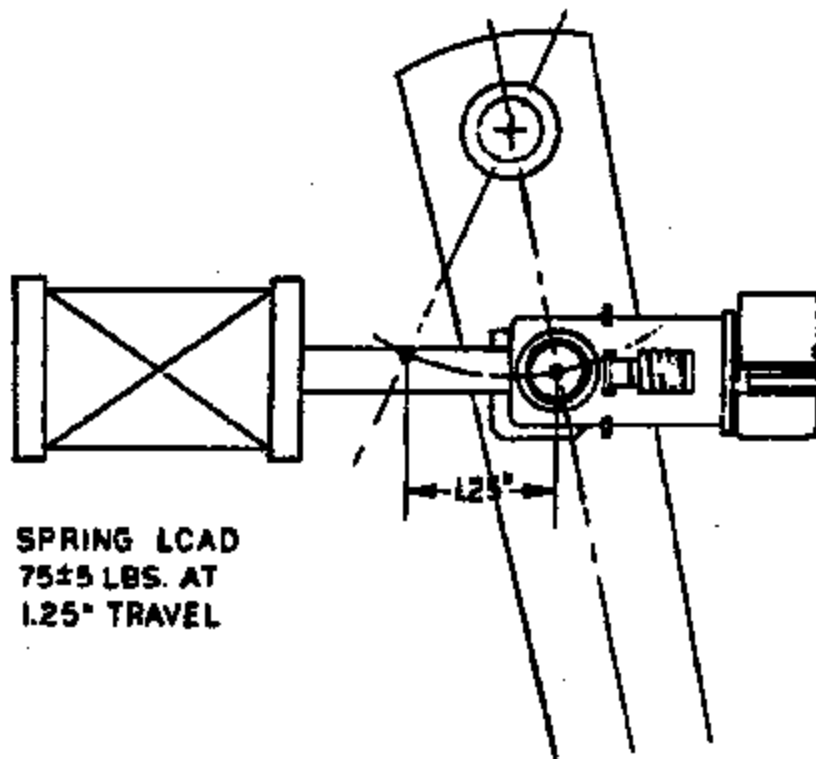


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FIGURE 2
DURABILITY TEST FIXTURE*



SPRING LOAD
75±5 LBS. AT
1.25\"/>

* A Ford Engineering Approved Alternate Fixture may also be used.

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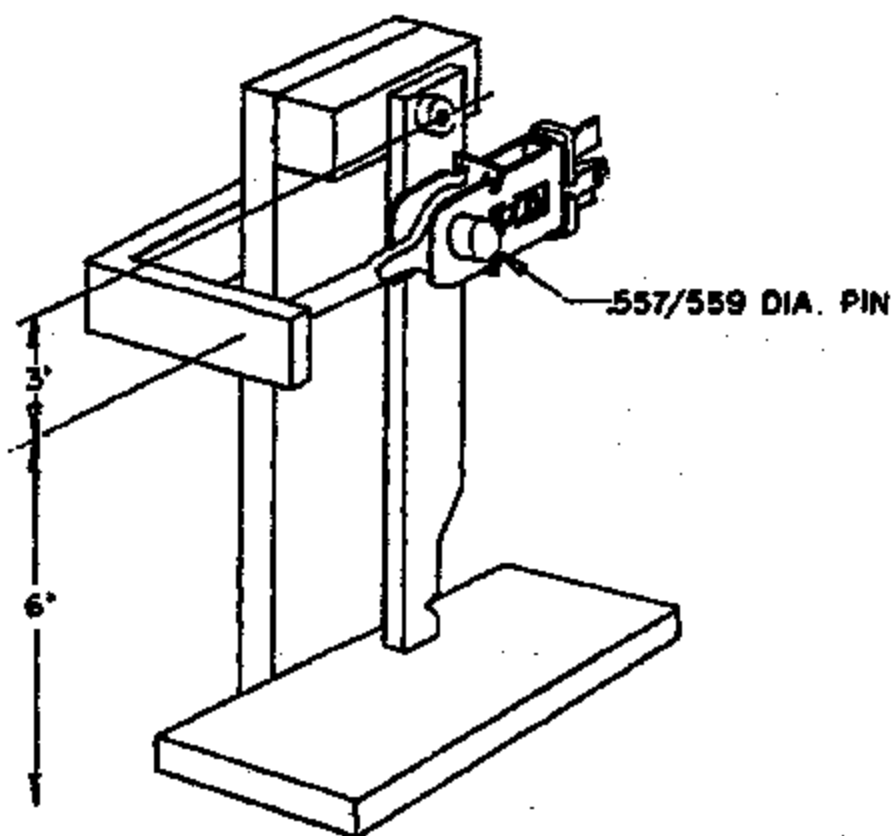
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FIGURE 3
CONTACT CLOSING FORCE FIXTURE



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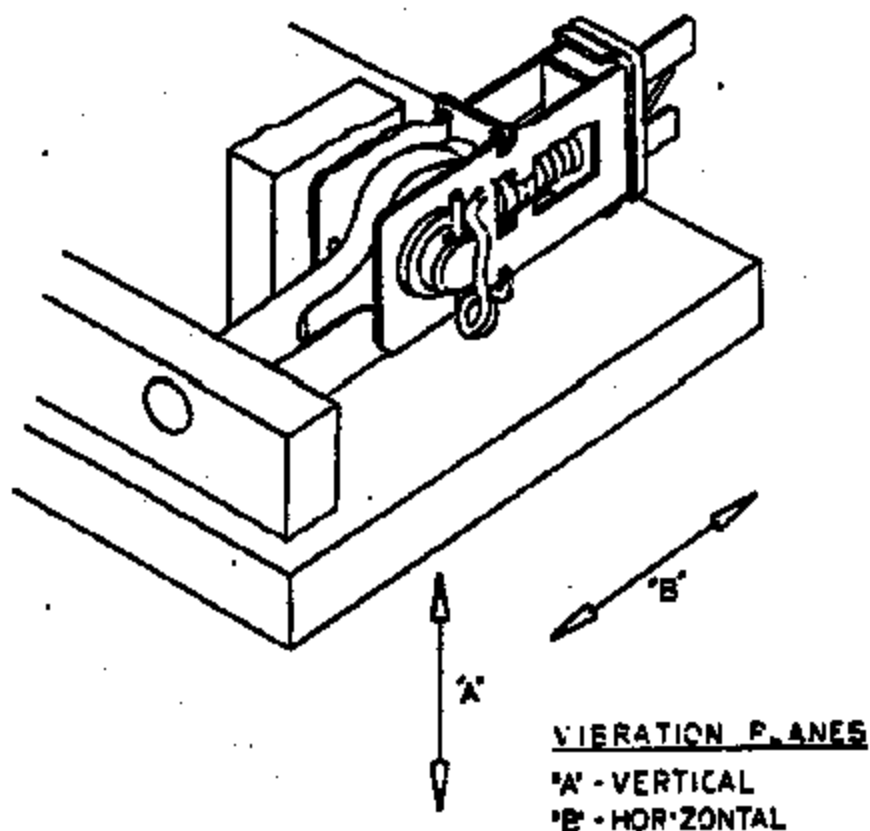
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FIGURE 4
VIBRATION TEST FIXTURE



• A Ford Engineering Approved Alternate Fixture may also be used.

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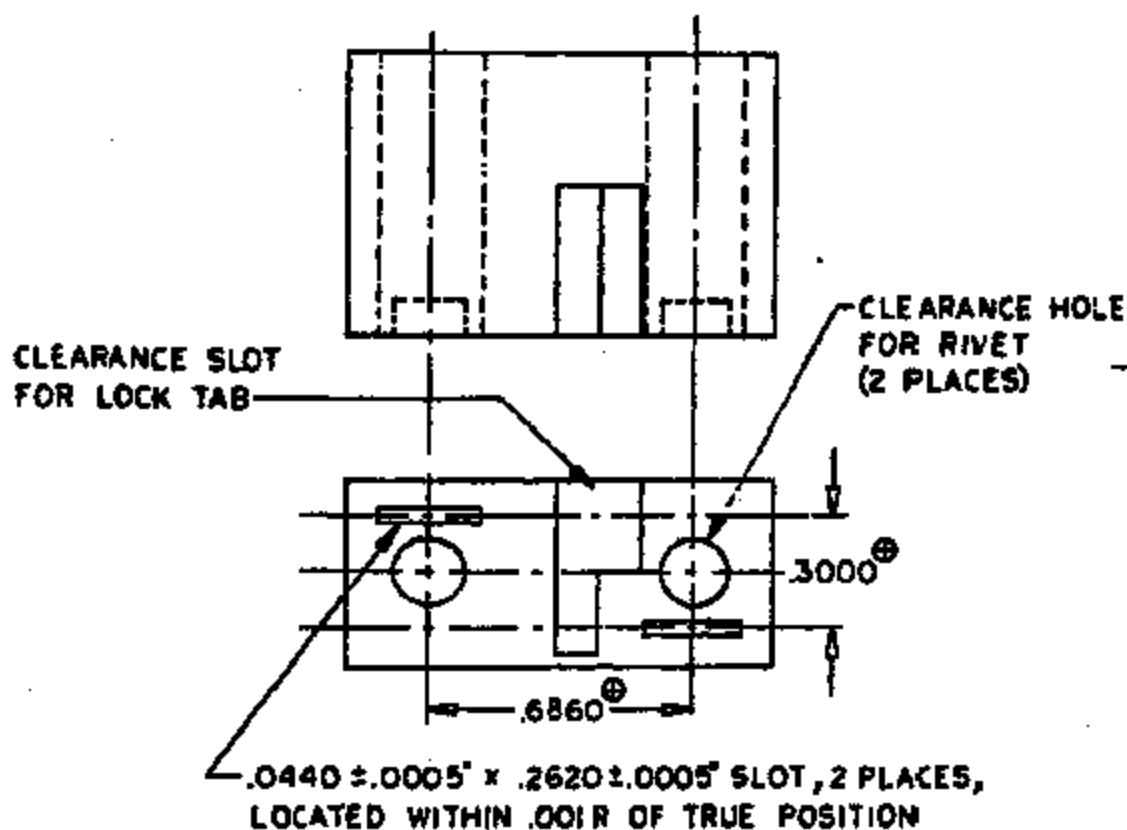
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FIGURE 5
TERMINAL ALIGNMENT GAGE



⊕ Denotes basic dimensions. Basic dimensions have zero tolerance and describe the theoretical exact location or true position.

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FLOW CHART - STOM LAMP SWITCH

(22 Switches)

Switch Calibration,
Resistance @ 10.4 Amp.
& Contact Closing Force

Durability - 20 K
Cycles @ -20°F

Switch Calibration &
Resistance @ 10.4 Amps.

Durability - 30 K
Cycles @ +150°F

Switch Calibration &
Resistance @ 10.4 Amp.

Durability - 50 K
Cycles @ 80°F

Switch Calibration &
Resistance @ 10.4 Amp.

Dielectric

Vibration

Switch Calibration &
Resistance @ 10.4 Amp.

Durability - 100 K
Cycles @ 80°F

Switch Calibration &
Resistance @ 10.4 amp.

Humidity

Switch Calibration &
Resistance @ 10.4 Amp.

Durability - 100 K
Cycles @ 80°F

Dust

Switch Calibration,
Resistance @ 10.4 Amp
& Contact Closing Force

Durability - 100 K
cycles @ 80°F

Switch Calibration &
Resistance @ 10.4 Amp.

Durability - 100 K
Cycles @ 80°F with
Increased Bulb Load.

Switch Calibration
Resistance @ 14.6 Amp.
& Contact Closing Force

Terminal Retention

Drop Test

Switch Calibration
Resistance @ 14.6
& Contact Closing Force.

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ENGINEERING SPECIFICATION

RESTRICTIONS TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT APPLY TO SUBSTANCES USED IN THE ITEM(S) ADDRESSED BY THIS DOCUMENT. ENGINEERING MATERIAL SPECIFICATION WSS-M99P9999-A1 APPLIES

GENERAL

The valve assembly controls hydraulic pressure to the rear brakes. After reaching a predetermined pressure (split-point) the valve maintains a constant ratio of rear to front braking pressure. This function optimizes overall braking performance.

This engineering specification is a supplement to the released drawing of this above part, and all requirements herein must be met in addition to all other requirements of the part drawing. Minimum measures necessary for demonstrating compliance to these requirements are given in each section.

The engineering tests, sample size, and test frequencies contained within this engineering specification reflect the minimum requirements established to provide a regular evaluation of conformance to design intent. This engineering test program is intended as a supplement to normal material inspections, dimensional checking, and in-process controls, and should in no way adversely influence other inspection operations. QI suppliers may implement different test sample sizes and frequencies providing these changes have been included in an alternate Control Plan approved by the design responsible Product Engineering Office and concurred in by SQA.

PRODUCTION VALIDATION AND IN-PROCESS TEST

Production Validation (PV) tests must be completed satisfactorily with parts from production tooling (and processes where possible) before IDEX approval and authorization for shipment of production parts can be effected. Parts must be re-validated completely, or per Section V whenever any change is made which could possibly affect part function or performance.

In-Process Test Phase 1 (IP-1) - IP-1 tests are used to demonstrate process capability and must be completed using initial production parts from production tooling and processes prior to first production shipment approval. IP-1 tests are to continue in effect until process capability is demonstrated.

In-Process Test Phase 2 (IP-2) - IP-2 test program may be implemented only after process capability has been established. Tests must be completed with production parts on a continuing basis. Samples for these tests must be selected on a random basis to represent the entire production population as much as possible. In the event that any portion of these tests are not met, Ford Q-101 Section III, E, 3 "In Test Performance Requirements" shall be invoked.

CONTROL ITEM - AFFECTS GOVERNMENT REGULATION COMPLIANCE OR CRITICAL VEHICLE FUNCTION AND MUST COMPLY WITH APPLICABLE REQUIREMENTS OF FORD Q-101 OR MANUFACTURING PRACTICE 102 - AREAS MARKED  ARE CONTROL ITEM CHARACTERISTICS - CHANGE IN DESIGN, COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRES PRIOR PRODUCT ENGINEERING APPROVAL.

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TABLE IV-CONTINUED

PRODUCTION VALIDATION				IN-PROCESS IP-1		IN-PROCESS IP-2	
Test Name	Test Number	Minimum Sample Size	Statistical Test Acceptance Criteria	Minimum Sample Size and Frequency	Statistical Test Acceptance Criteria	Minimum Sample Size and Frequency	Statistical Test Acceptance Criteria
Functional Audit							
Vacuum Pull-Down	E	See Functional Tests Per IV Requirements		12/No.	All must pass	3/3 No.	All must pass
Low Pressure Leakage	F			12/No.	All must pass	3/3 No.	All must pass
Medium Pressure Leakage	G			12/No.	All must pass	3/3 No.	All must pass
High Pressure Leakage	H			12/No.	All must pass	3/3 No.	All must pass
Medium Pressure Leak-Failed Primary	I			12/No.	All must pass	3/3 No.	All must pass
High Pressure Leak-Failed Primary	J			12/No.	All must pass	3/3 No.	All must pass
Input/Output Characteristics	K			12/No.	All must pass	3/3 No.	All must pass
Strength Test	L			3/No.	All must pass	2/3 No.	All must pass
Structural Test	M			3/No.	All must pass	2/3 No.	All must pass
Tube Seal Leakage	N			3/No.	All must pass	2/3 No.	All must pass
Internal Cleanliness	O			2/Day	All must pass	2/Day	All must pass
Corrosion Test	P			3/No.	All must pass	2/3 No.	All must pass
Pressure Switch Calibration	Q			12/No.	All must pass	3/3 No.	All must pass
Functional - 100%							
High Pressure Leakage (Failed Primary)	IV.A	All	All Pass	100%	All must pass	100%	All must pass
By Pass-(Failed Primary)	IV.B		All Pass	100%	All must pass	100%	All must pass
Low Pressure Leakage	IV.C		All Must Pass	100%	All must pass	100%	All must pass
High Pressure Leakage	IV.D			100%	All must pass	100%	All must pass
Input/Output Characteristics	IV.E			100%	All must pass	100%	All must pass
Functional-Lat. Control							
None							

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Test Name	Test Number	PRODUCTION VALIDATION		IN-PROCESS IP-1		IN-PROCESS IP-2	
		Minimum Sample Size	Statistical Test Acceptance Criteria	Minimum Sample Size and Frequency	Statistical Test Acceptance Criteria	Minimum Sample Size and Frequency	Statistical Test Acceptance Criteria
Functional Tests							
Vacuum Pull-Down	R	24	F. 90-91	12	F. 90-94	N.R.	N.R.
Low Pressure Leakage	F	24	F. 90-91	12	F. 90-94		
Medium Pressure Leakage	G	24	F. 90-91	12	F. 90-94		
High Pressure Leakage	H	24	F. 90-91	12	F. 90-94		
Medium Pressure Leak-Failed Primary	X	24	F. 90-91	12	F. 90-94		
High Pressure Leak-Failed Primary	J	24	F. 90-91	12	F. 90-94		
Input/Output Characteristics	K	24	F. 90-91	12	F. 90-94		
Strength Test	L	5	F. 90-72	5	F. 90-94		
Structural Test	M	5	F. 90-72	5	F. 90-94		
Tube Seat Leakage	N	5	F. 90-72	5	F. 90-94		
Internal Cleanliness	O	5	F. 90-72	5	F. 90-94		
Corrosion Test	P	5	F. 90-72	5	F. 90-94		
Pressure Switch Calibration	Q	24	F. 90-91	12	F. 90-94		

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PRODUCTION VALIDATION

IN-PROCESS IP-1

IN-PROCESS IP-2

Test Name	Test Number	Minimum Sample Size	Statistical Test Acceptance Criterion	Minimum Sample Size and Frequency	Statistical Test Acceptance Criterion	Minimum Sample Size and Frequency	Statistical Test Acceptance Criterion
Reliability Tests							
Life Cycle	A	6	F.90-.72	3	F.90-.54	N.E.	N.E.
Low Temp. Cycling	B	6	F.90-.72	3	F.90-.54		
High Temp. Cycling	C	6	F.90-.72	3	F.90-.54		
Spike Test	D	6	F.90-.72	3	F.90-.54		
Reliability-Process Audit							
Life Cycle	A	N.E.		3/No.	All must pass	2/3 No.	All must pass
Low Temp. Cycling	B			3/No.	All must pass	2/3 No.	All must pass
High Temp. Cycling	C			3/No.	All must pass	2/3 No.	All must pass
Spike Test	D			3/No.	All must pass	2/3 No.	All must pass
Reliability-Lot Control							

None

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III. TEST PROCEDURES AND REQUIREMENTS

A. Life Cycle

1. Test Requirements

- a. The pressure control valve shall be cycled by an external pressure source. The external pressure source is required to increase the valve inlet pressure at a rate of $10,345 \pm 1380$ kPa per second. Time cycles below 170 kPa must not be less than 0.25 seconds.
- b. The valve shall be cycled from 0 to $10,345 \pm 1380$ kPa at a maximum rate of 2500 per hour.
- c. After 500,000 cycles, test valve per test requirements of Section III.F., G., H., K., and Q.

2. Acceptance Requirements

- a. Internal fluid leakage from the valve shall not exceed 2.5 cc.
- b. Must conform with acceptance requirements of Section III.F., G., H., and Q.
- c. The input-output characteristics of the valve shall not deviate by more than 25% from the acceptance requirements of Section III.K.
- d. No audible noise detected during application or release of hydraulic fluid pressure.

B. Low Temperature Cycling

1. Test Requirements (See Figure 2)

- a. The fluid ambient temperature is to be maintained at -40° to -45° C.
- b. The pressure control valve shall be cycled by an external pressure source capable of increasing the valve inlet pressure to 4140 ± 1380 kPa.
- c. The hydraulic circuit is from the pressure source to a shut-off valve (A) to a second shut-off valve (B) to shut-off valve (C).
- d. A means to determine the pressure differential in the circuit is between valve (A) to valve (B) to valve (C).
- e. The hydraulic circuit volume from valve (A) to valve (B) must equal the circuit volume from valve (B) to valve (C) within 0.50 cc.

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FIG. 16

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ENGINEERING SPECIFICATION

TEST PROCEDURES AND REQUIREMENTS (Continued)

B. Low Temperature Cooling (Continued)

1. Test Requirements (Continued)

2. Install valve in the cold chamber and release hydraulic pressure in the system. Soak for 14 ± 0.5 hours with the cold chamber at temperature.

3. Cycle the valve at temperature to the following schedule:

1. Pressurize the valve inlet port to 1035 ± 70 kPa and hold for 15 seconds. Allow pressure to drop to 0 kPa. Repeat this procedure six times at approximately 60 second intervals.

2. Repeat Section III.B.1.a-i with a hydraulic pressure of 4140 ± 350 kPa.

h. After cycling, test valve at temperature per test requirements of Section III.K.

i. Allow valve to soak for a minimum of 4 hours at room temperature.

j. After room temperature soak period, test valve per test requirements of Section III.K., and Q.

2. Acceptance Requirements

a. Leakage from the valve for Section III.B.1.g.1 shall not exceed an amount indicated by maximum differential pressure across valve assembly of 69 kPa.

b. Leakage from the valve for Section III.B.1.g.2 shall not exceed an amount indicated by maximum differential pressure across valve assembly of 190 kPa.

c. For Section III.B.1.h. and j., the input-output characteristics of the valve shall not deviate by more than 15% from the acceptance requirements of Section III.K.

d. No audible noise detected during application or release of hydraulic fluid pressure.

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ENGINEERING SPECIFICATION

III. TEST PROCEDURES AND REQUIREMENTS (Continued)

C. High Temperature Cycling

1. Test Requirements

- a. The fluid and ambient temperature is to be maintained at $116^{\circ} \pm 121^{\circ}\text{C}$.
- b. The pressure control valve shall be cycled by an external pressure source capable of increasing the valve inlet pressure to $6893 \pm 350 \text{ kPa}$.
- c. The external pressure source can be located inside or outside of the heat chamber. If the pressure source is located outside of the heat chamber it must be connected with sufficient tubing to the valve in the chamber to prevent fluid temperature change in the valve during cycling.
- d. Install valve in the heat chamber and release hydraulic pressure in the system. Soak for 5 ± 0.25 hours with heat chamber at temperature.
- e. Cycle valve from 0 to $6893 \pm 350 \text{ kPa}$ at a rate of 1000 ± 100 cycles per hour at temperature.
- f. After 70 hours, test valve at temperature per test requirements of Section III.E.
- g. Allow the valve to cool for 30 hours minimum at room temperature.
- h. After cooling period, test valve per test requirements of Section III.G., H. W., and Q.
- i. Disassemble valve noting residual wear products or other evidence of excessive wear.

2. Acceptance Requirements

- a. External fluid leakage from the valve shall not exceed 0.4 cc.
- b. Must conform with acceptance requirements of Section III.G., H., and Q.
- c. For Section III.G.3.f. and h., the input-output characteristics of the valve shall not deviate by more than 15% from the acceptance requirements of Section III.E.

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FIG. 8

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ENGINEERING SPECIFICATION

III. TEST PROCEDURES AND REQUIREMENTS (Continued)

U. High Temperature Cycling (Continued)

2. Acceptance Requirements (Continued)

- d. There shall be no cracked, broken or loose parts.
- e. No audible noise detected during application or release of hydraulic fluid pressure.

V. Shock Test

1. Test Requirements

- a. The pressure-control valve shall be cycled by an external pressure source. The external pressure source must be capable of increasing the valve inlet pressure to 7000 kPa.
- b. The valve inlet port shall be connected to a relief valve set at 9900 ± 350 kPa and the relief valve outlet shall be connected to the reservoir of the external pressure source.
- c. The valve inlet pressure shall be increased to 620 kPa min. in the first 0.10 second max. of the stroke and up to 6500 kPa min. in the first 0.25 second max. of the stroke.
- d. The valve shall be cycled at a rate of 1500 ± 500 cycles per hour.
- e. Test to be run in the modes: a) Full system, b) Failed primary.
- f. After 200 ± 1 cycles, test valve per test requirements of Section III.G., H., I and Q.
- g. Disassemble valve using residual wear products or other evidence of excessive wear.

2. Acceptance Requirements

- a. Must conform with acceptance requirements of Section III.G., H., I, and Q.
- b. The input-output characteristics of the valve shall not deviate by more than 15% from the acceptance requirements of Section III.E.
- c. There shall be no cracked, broken or loose parts.
- d. No audible noise detected during application or release of hydraulic fluid pressure.

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ENGINEERING SPECIFICATION

III. TEST REQUIREMENTS AND PROCEDURES (Continued)

1. Vacuum Pull-Down

1. Test Requirements

- a. Mount the brake valve assembly in a test fixture as shown in Figure 1. Valve test fixture should contain vacuum transducers common to inlet ports (A) and (B) and at each outlet port (D) and (C). Shut-off valves should be located at inlet ports (A) and (B). Transducers and shut-off valves shall be located as close as possible to test valve in order to keep system volume to a minimum. Vacuum supply pump shall be capable of evacuating at a rate of 300 l/min. max.
- b. With all valves closed, record time to reach 2 mm Hg at vacuum transducer 1.
- c. Open ports (A) and (B) and record time to reach 2 mm Hg.
- d. Close ports (B) and (C). Open ports A, D, and E and record time to reach 2 mm Hg.
- e. To obtain true evacuation time, subtract time obtained in Section III.E.1.c and III.E.1.d from time obtained in Section III.E.1.b.

2. Acceptance Requirement

- a. Using true evacuation times for front and rear sections, the vacuum level must reach 2 mm Hg in 15 sec. at transducers 2 and 3.

2. Pressure Leaks

1. Test Requirements

- a. Pressurize the pressure control valve inlet ports to 10 ± 2 kPa and allow a minimum of 130 cc of brake fluid to bleed through the valve at this pressure.
- b. Seal off the valve outlet port.
- c. Hold valve inlet pressure at 10 ± 2 kPa for 14 ± 0.5 hours.

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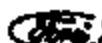
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ENGINEERING SPECIFICATION

III. TEST REQUIREMENTS AND PROCEDURES (Continued)

F. Low Pressure Leakage (continued)

2. Acceptance Requirements

- a. External fluid leakage from the valve shall not exceed 0.5 in.

G. Medium Pressure Leakage

1. Test Requirements

- a. Seal off the pressure-control valve outlet port.
- b. Pressurize the valve inlet ports to 1035 ± 7 kPa.
- c. Allow 5 to 10 seconds for pressure stabilization.
- d. Close off the pressure source sealing pressure inside the valve for a minimum of 10 seconds.

2. Acceptance Requirements

- a. Leakage from the valve shall not exceed an amount indicated by a pressure drop of 7 kPa in 10 seconds.

H. High Pressure Leakage

1. Test Requirements

- a. Seal off the pressure-control valve outlet port.
- b. Pressurize the valve inlet ports 13900 ± 700 kPa.
- c. Allow 5 to 10 seconds for pressure stabilization.
- d. Close off the pressure source sealing pressure inside the valve for a minimum of 10 seconds.

2. Acceptance Requirements

- a. Leakage from the valve shall not exceed an amount indicated by a pressure drop of 170 kPa in 10 seconds.

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ENGINEERING SPECIFICATION

TEST REQUIREMENTS AND PROCEDURES (Continued)

I. Medium Pressure Leakage (Failed Primary)

1. Test Requirements

- a. Seal off the pressure control valve outlet port.
- b. Pressurize the valve inlet port B to 1724 ± 7 kPa.
- c. Allow 5 to 10 seconds for pressure stabilization.
- d. Close off the pressure source sealing pressure inside the valve for a minimum of 10 seconds.

2. Acceptance Requirements

- a. Leakage from the valve shall not exceed an amount indicated by a pressure drop of 7 kPa in 10 seconds.
- b. Pressure at outlet port (E) must be equal to inlet pressure.

J. High Pressure Leakage (Failed Primary)

1. Production Validation and In-Process TEST

a. Test Requirements

1. Seal off the pressure control valve outlet port.
2. Pressurize the valve inlet port B to 13400 ± 700 kPa.
3. Allow 5 to 10 seconds for pressure stabilization.
4. Close off the pressure source sealing pressure inside the valve for a minimum of 10 seconds.

b. Acceptance Requirements

1. Leakage from the valve shall not exceed an amount indicated by a pressure drop of 170 kPa in 10 seconds.
2. Pressure at outlet port (E) must be equal to inlet pressure.

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FIG. 12

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ENGINEERING SPECIFICATION

III. TEST PROCEDURES AND REQUIREMENTS (Continued)

K. Inlet-Outlet Characterization

1. Test Requirements

- The pressure-control valve shall be cycled by an external pressure source. The external pressure source must be capable of applying and releasing pressure to the inlet side of the valve at a rate of 1360 ± 343 kPa per second.
- The valve outlet ports shall be connected to rear brake assemblies which will simulate nominal fluid transfer through the valve.
- Pressurize the valve inlet ports to 1360 kPa greater than the setpoint specified on the valve assembly drawing and hold for 10 sec.
- Increase the valve inlet pressure to 1360 kPa and hold for 10 sec.

2. Acceptance Requirements

- Pressure at the valve outlet port (B) must be within the limits specified on the valve assembly drawing at the low and high-pressure check points specified in Section III.K.1.e. and d.

L. Strength Test

1. Test Requirements

- Seal off the pressure control valve outlet ports.
 - Pressurize the valve inlet ports to 3430 ± 330 kPa at a rate of 3430 ± 700 kPa per second.
 - Allow 5 to 10 seconds for pressure stabilization.
 - Close off the pressure source sealing pressure inside the valve for a minimum of 10 seconds.
 - After a minimum of 10 seconds at pressure, test valve per test requirements of Section III.G., H., K., and Q.
- NOTE: After completion of Section III.K., the valve assembly must be thoroughly identified so as to prevent loss.

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ENGINEERING SPECIFICATION

III. TEST PROCEDURES AND REQUIREMENTS (Continued)

1. Acceptance Requirements

- a. No visible leakage of fluid from the valve.
- b. Must conform with acceptance requirements of Section III.G., H., and Q.
- c. The input-output characteristics of the valve shall not deviate by more than 1% from the acceptance requirements of Section III.E.

2. Structural Test - Valve Body Bracket (Passing)

1. Test Requirements

- a. With valve body maintained by any suitable means, apply a load of 300 lbs. as shown in Fig. 4 to the mounting bracket.

2. Acceptance Requirements

- a. Bracket at stiffly attached to valve body with no perceptible loosening.

3. Tube Joint Leaks

1. Test Requirements

- a. Install the control tube end and tube nut in the pressure control valve inlet and outlet ports.
- b. Torque tube nut to 13.7 ± 1 N-m.
- c. Pressurize the valve inlet ports to 20700 kPa and hold for a minimum of 30 seconds.

2. Acceptance Requirements

- a. Leakage from the valve shall not exceed an amount indicated by a pressure drop of 140 kPa in 30 seconds.
- b. No visible leakage of fluid at fitting.

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ENGINEERING SPECIFICATION

III. TEST PROCEDURES AND REQUIREMENTS (Continued)

9. Internal Classification

1. Test Requirements

- a. Wash exterior of pressure control valve and discard residue.
- b. Disassemble valve.
- c. Wash all component parts with 1000 ± 10 cc of clean previously filtered (5 micron filter) isopropyl-alcohol. Collect alcohol into clean container.
- d. Flush inside of valve body with a total of 1000 ± 10 cc of clean, previously filtered (5 micron filter) isopropyl alcohol. Alcohol must be forced into inlets and outlets and collected from opposite end. Average flow rate through each path to be no less than 25 cc per second, until 500 ± 25 cc have passed through each set of ports. Collect alcohol into clean container.
- e. Thoroughly wash 5-micron filter with isopropyl-alcohol. Bake washed filter at $80 \pm 10^\circ\text{C}$ for a minimum of 10 minutes.
- f. Filter alcohol through Section III.6.1.c. and d through 5 filter.
- g. Place filter in test chamber and bake at $90 \pm 10^\circ\text{C}$ for minimum of 10 minutes.
- h. Remove filter from test chamber and weigh.
- i. Examine filter under microscope with measuring device for the largest metal particles and largest non-metal particle (size indicated by measurement of length and width). Identify particle material.

2. Acceptance Requirements

- a. Total residue must not exceed 3 milligrams per assembly.
- b. Maximum particles must be in accordance with the following:
 1. 75 microns across in width, 4500 maximum microns in length.
 2. 75 to 150 microns in width, 3500 maximum microns in length.
 3. 150 to 500 microns in width, 2000 maximum microns in length.
 4. When a sample contains residue particles exceeding requirements of Section III.6.2.b.(3.) it is permissible to check for additional samples. If these samples do not exceed the requirements of Section III.6.2.b.(3.) the production made in the 8-hour shift will be considered acceptable.

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III. TEST PROCEDURES AND REQUIREMENTS (Continued)

F. Corrosion Test

1. Test Requirements

- a. Seal off the pressure-control valve inlet and outlet ports.
- b. Test valve per ASTM B117 for 48 hours.
- c. After 48 hours, test valve per test requirements of Section III.E., and Q.
- d. Disassemble valve and inspect for rust on the internal surfaces of the valve.

2. Acceptance Requirements

- a. Must conform with acceptance requirements of Section III.K. and Q.
- b. No visible rust on any of the internal parts.

G. Pressure Switch Calibration

1. Test Requirements

- a. Switch calibration is to be checked at room temperature (15°C-35°C) using ambient air, brake fluid or equivalent. Calibration settings shall be as specified on the part drawing with settings checked after two or more pressure cycles. Pressure cycle range is to be determined by the switch manufacturer to insure switch calibration stability. The cut-out and differential set points are to be measured while conducting 5-25 milliamperes with 15.0 ± 1.0 volts D.C. applied. The cut-in point is to be checked with increasing pressure.

- b. The cut-out point is to be checked with decreasing pressure, and the differential set point is to be calculated using the cut-out pressure.

2. Acceptance Requirements

- a. Switch cut-in, cut-out, and differential must be within the tolerance limits specified on the part drawing.

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IV. PRODUCTION TEST PROCEDURE AND REQUIREMENTS

The following tests should be performed at room temperature using dry filtered air.

A. High Pressure Leakage (Failed Primary)

1. Test Requirements

- Pressurize the valve inlet port B to 1780 ± 70 kPa.
- Allow 5 to 20 seconds for pressure stabilization.
- Close off the pressure source sealing pressure inside the valve for a minimum of 5 seconds.

2. Acceptance Requirements

- Leakage from the valve shall not exceed an amount indicated by a pressure drop of 7 kPa in 5 seconds.
- Pressure at outlet port (H) must be equal to inlet pressure.

B. Full Port Test (Failed Primary)

1. Test Requirements

- Pressurize the valve inlet port B to a test pressure 1379 kPa greater than the specified split point.

2. Acceptance Requirements

- Pressure at outlet port (H) must be equal to inlet pressure.

C. Low Pressure Leakage (Full System)

1. Test Requirements

- Pressurize the valve inlet ports A and B to 41 ± 14 kPa.
- Close off the pressure source sealing pressure inside the valve for a minimum of 5 seconds.

2. Acceptance Requirements

- Leakage from the valve shall not exceed an amount indicated by a pressure drop of 0.025 kPa.
- Pressure at outlet ports must be equal to pressure applied within 2 seconds.

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ENGINEERING SPECIFICATION

IV. PRODUCTION TEST PROCEDURE AND REQUIREMENTS (continued)

B. High Pressure Leakage (Full System)

1. Test Requirements

- Pressurize the valve inlet ports A and B to 1724 $\pm$ 69 kPa.
- Close off the pressure source sealing pressure inside the valve for a minimum of 5 seconds.

2. Acceptance Requirements

- Leakage from the valve shall not exceed an allowed indication by a pressure drop of 7 kPa in 5 seconds.

C. Valve Output Characterization

1. Test Requirements

- Pressurize the control valve inlet ports A and B to 1365 kPa greater than the setpoint specified on the valve assembly drawing and hold for 5 seconds.

2. Acceptance Requirements

- Pressure at the valve outlet port (C) must be within the limits specified on the valve assembly drawing.

V. STATISTICAL ACCEPTANCE METHOD

Following are the methods for reducing the test data to compute the statistical value.

A. P-20-51, P-20-54, P-20-71 and P-20-56

- Test the number of samples specified in Section II per the requirements in Section III.
- If a failure occurs, say the test part fails to meet the statistical acceptance criteria.
- If no failures occur, the statistical acceptance criterion is met.

B. Q-101

- Test the number of samples specified in Section II per the requirements in Section III.
- If a failure occurs, the procedure outlined in Q-101 Section III. E shall be followed.

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ENGINEERING SPECIFICATION

VI. REVISIONS

No change to processing, material, or supplier may be allowed without prior engineering approval.

The following requalification is required for a change in processing or material, new supplier qualification (new material source), or subsequent years production. The "test numbers" entered in the "ES Test Required" column refer to the ES test number in the table in Section II.

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Component	Specific Process Change	ES Test Required	Material Change	New Supplier
Housing	Threads, Bore (H)	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
Adapter	Threads, Machining Hole	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
Any	Any	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
Spring	Finish	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
Seals	Any	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
Plates	O.D., Sealing Surfaces, Machining Finish	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M
O-Rings	Any	IIIA, B, C, D, E, F, G, H, I, J, K, L	IIIA, B, C, D, E, F, G, H, I, J, K, L, M	IIIA, B, C, D, E, F, G, H, I, J, K, L, M

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ENGINEERING SPECIFICATION

VI. EVALUATION REQUIREMENTS (Continued)

REMARKS ON EVALUATION

Carryover Design III A, B, C, E, F, G, H, Q.

VII. LOT DEFINITION

A lot is defined as two shifts' production.

VIII. RECORD RETENTION

Recording and record retention shall conform to Ford Q-101, Section 2.11 and 2.11.1.

Test reports of all production validation and in-process tests, except 100% production tests, will be sent to WFO, Brake Department, within 10 days of test completion. A monthly summary of 100% production tests will be sent to WFO, Brake Department, within 10 days of last day of month.

IX. INSTRUMENTS AND FIXTURES

For the purpose of this specification "brake fluid" shall refer to Ford Motor Company currently released brake fluid (for engineering approved source - see Engineering Release).

All valve assemblies must be void of trapped air during tests using brake fluid.

During testing, the valve assembly is to be treated essentially in the in-service condition, unless otherwise specified.

All production validation and acceptance tests will be performed at room temperature using brake fluid, unless otherwise specified.

The valve outlet ports shall be directly connected to a pressure gauge. The pressure gauge will be the terminal point in the hydraulic circuit, unless otherwise specified.

All valve assemblies used for production validation and in-process tests must have passed the 100% production tests.

Test circuitry total volume cannot exceed 100 cc for 100% production test and 330 cc for production validation and in-process tests.

Test Section III.Q to be omitted for valve assemblies not requiring a pressure switch.

The tests defined in Section III shall be performed in the sequence defined below.

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ENGINEERING SPECIFICATION

1. INFORMATION AND NOTES (to title)

A. Production Validation

1. Thirty six (36) pressure control valve assemblies shall be tested per the following sections (6 assemblies per section) III.L, M, N, O, and P.
2. Twenty-four (24) pressure control valve assemblies shall be tested per Section K, L, M, N, O, P, Q, R and S. These valve assemblies will then be divided into four (4) groups of six (6) and tested to Section III.A, B, C, and D.

B. Process IP-1

1. Eighteen (18) pressure control valve assemblies shall be tested per the following sections (3 assemblies per section) III.L, M, N, O, and P.
2. Twelve (12) pressure control valve assemblies shall be tested per Section III.K, L, M, N, O, P, Q, R and S. The valve assemblies will then be divided into four (4) groups of three (3) and tested to Sections III.A, B, C, and D.

C. Process IP-2

1. Nine (9) pressure control valve assemblies shall be tested per the following sections (3 assemblies per section) III.L, M, N, O, and P.
2. Eight (8) pressure control valve assemblies shall be tested per Section III.K, L, M, N, O, P, Q, R and S. These valve assemblies will then be divided into four (4) groups of two (2) and tested to Sections III.A, B, C, and D.
3. One (1) pressure control valve assembly will be tested per Section III.O daily.

2. IDENTIFICATION OF REFERENCE DOCUMENTS

- A. Quality Control Specification
Q-101 Revised June, 1983 KLS/MS

rev'd 1983

rev'd 39-47-2

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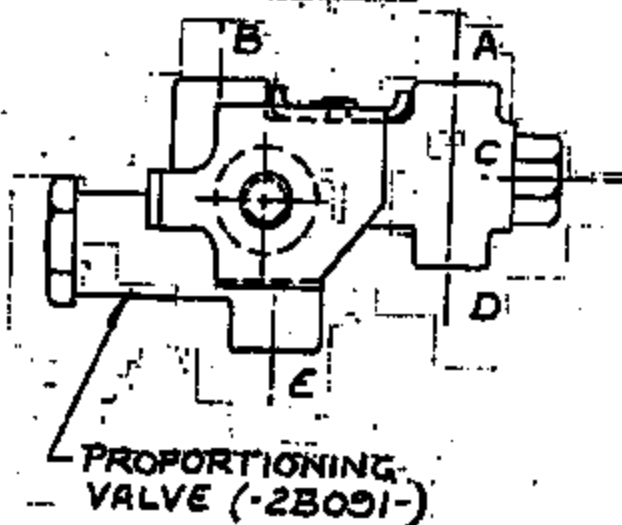
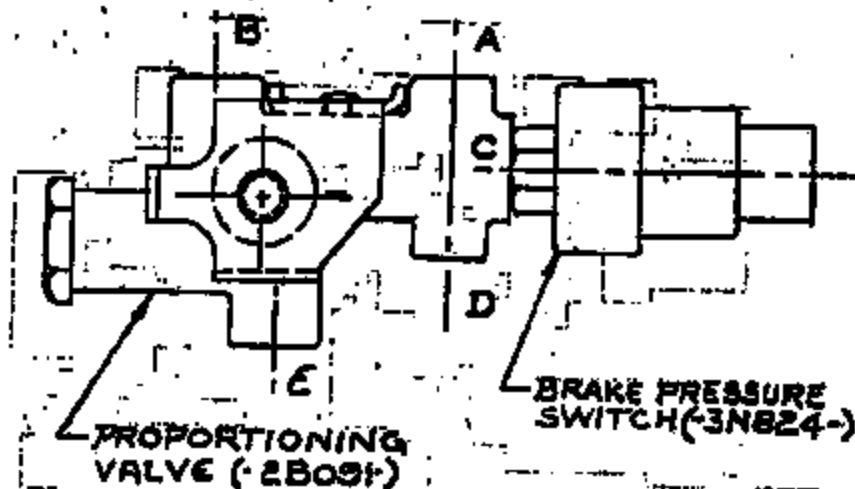
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ENGINEERING SPECIFICATION

FIGURE 1



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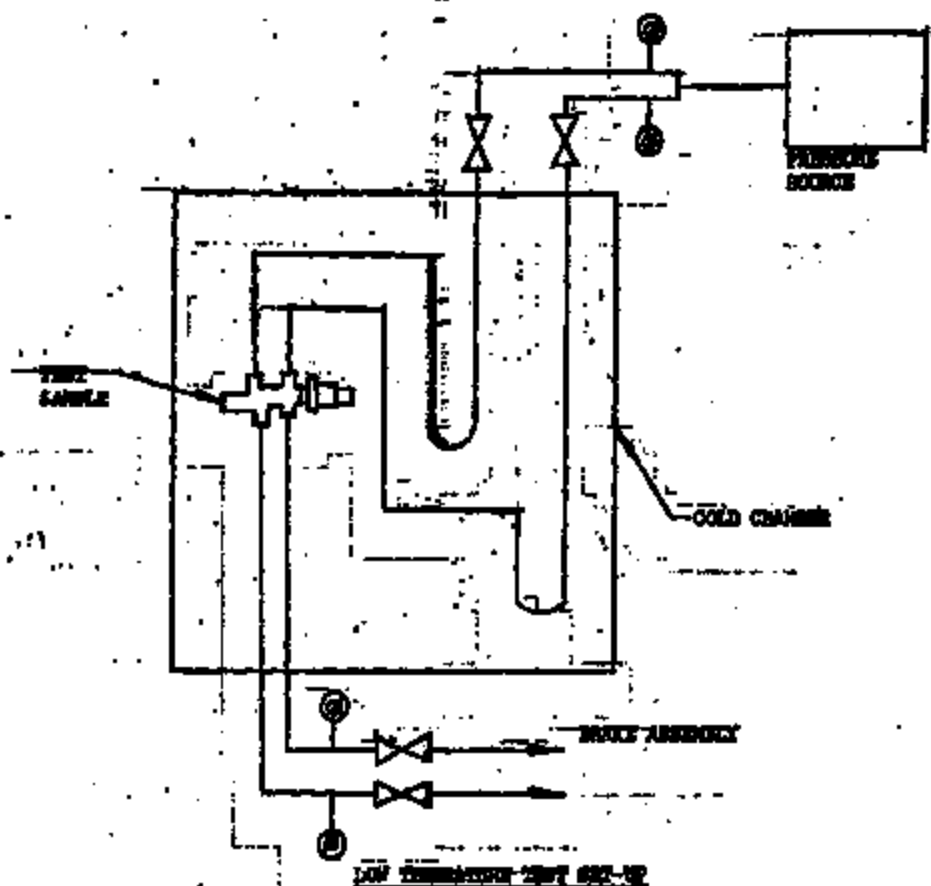
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FIGURE 2



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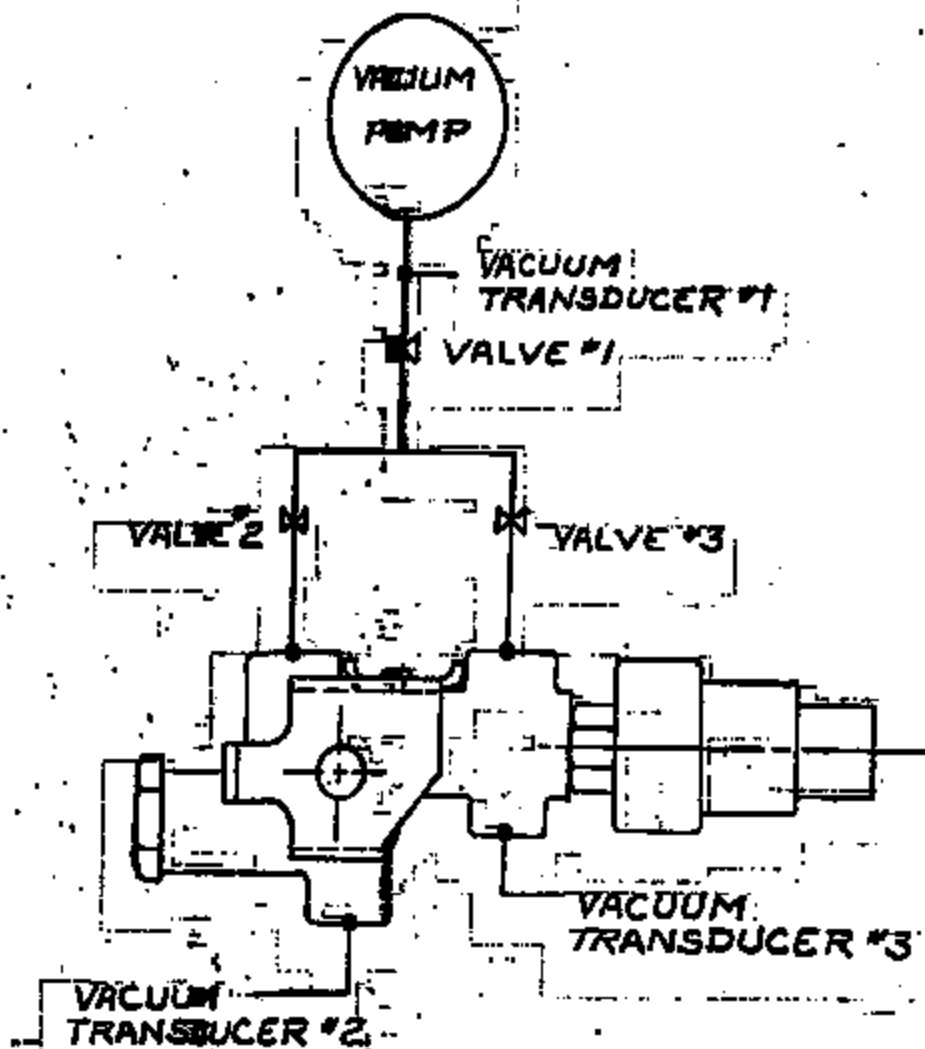
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FIGURE 3



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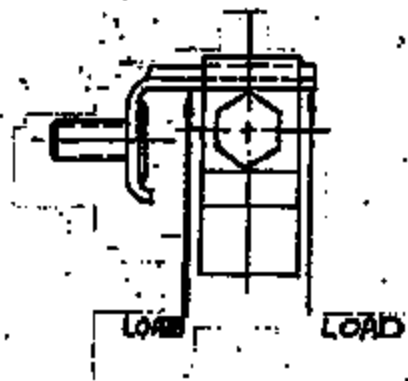
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ENGINEERING SPECIFICATION									
PART NAME					PART NUMBER				
SPECIFICATION - BRAKE SHOE					VBE-FORD-1268-AA				
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1	2	3	4	5		1	2	3	4
DATE	REV.	PR.	REVISIONS			REV.	CR.	REFERENCE	
020325	1	1	RELEASED DR-1001457B			1	1	DESIGNED/APPROVED BY	
	2	1	WAS 2110T			1	1	CHECKED BY (DATE)	
	3	1	WAS 2110T			1	1	CONFORMANCE/REWORK	
	4	1	WAS 2110T			1	1	SIGNATURE	
	5	1	WAS 2110T			1	1	PRINCIPAL DESIGN ENGINEER	
030611	1	1	ADDED WITH REWORKING DATE CODES			1	1	DESIGN ENGINEER	
	2	1	RELOCATED			1	1	DESIGN ENGINEER	
	3	1	S. J. BOWEN TEST NUMBER			1	1	DESIGN ENGINEER	
	4	1	ADDED WITH DATE			1	1	DESIGN ENGINEER	
030623	1	1	ADDED 10018711031			1	1	DESIGN ENGINEER	

CONTROL ITEM - AFFECTS GOVERNMENT REGULATION COMPLIANCE OR CRITICAL VEHICLE FUNCTION AND MUST COMPLY WITH APPLICABLE REQUIREMENTS OF FORD Q-101 OR MANUFACTURING PRACTICE 102 - AREAS MARKED ARE CONTROL ITEM CHARACTERISTICS - CHANGE IN DESIGN, COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRES PRIOR PRODUCT ENGINEERING APPROVAL

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ENGINEERING SPECIFICATION

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CONTROL ITEM - AFFECT COMPLIANCE TO FEDERAL REGULATIONS - AREAS MARKED ∇ ARE CRITICAL CHARACTERISTICS - CHANGE IN DESIGN, COMPOSITION, OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.

I. GENERAL

This specification is an extension of the released drawing which shows stainless steel wire braid reinforced brake hose and tube assemblies. All requirements of this specification must be met in addition to all other requirements of the part drawing. Minimum measures necessary for demonstrating compliance are given in each section.

The engineering test schedule contained within this specification reflects the minimum values established to provide a regular evaluation of conformance to design intent. The schedule is intended as a supplement to normal material inspections, dimensional checking, and in-process controls, and should in no way adversely influence adherence to other statistically significant inspection operations.

∇ The material used in the manufacture of hose assemblies must conform to SAE-N77734-A.

II. PRODUCTION VALIDATION AND IN-PROCESS TESTS

Compliance with all of the requirements in this section must be demonstrated as follows:

Production validation tests must be completed satisfactorily with initial production parts before IRIE approval and authorization for shipment of production parts can be effected. Parts must be revalidated completely every 12 months in addition to complete revalidation, whenever any change is made which may affect part function or performance.

In-process test must be completed with production parts prior to initial sample approval and at the specified frequency on a continuing basis. Samples for these tests must be selected on a random basis to represent the entire production population as much as possible. In the event that any portion of the tests is not met, Ford Q-101 section "E Test Failure" shall be invoked.

A. Production Hose Assembly Certification

Test	MS Test Number	Production Validation		In-Process	
		Minimum Sample Size	Reliability Acceptance Criterion	Minimum Sample & Frequency per Assembly Line	Reliability Acceptance Criterion
∇ Break	111A	43	P. 90-32	100%	Q-101
∇ Pressure	111B	43	P. 90-32	100%	Q-101
∇ Construction	23.4.1	43	P. 90-32		
∇ Expansion and Burst	23.4.2	4	P. 90-65	2/lot	Q-101
∇ Tensile	23.4.3	4		Burst only	
∇ Water Absorption & Burst	23.4.4.1	1	P. 90-32	4/lot	Q-101
∇ Water Absorption & Tensile	23.4.4.2	1	P. 90-32		

* 350 lb. min. tested less than 12 hours after sampling.

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ENGINEERING SPECIFICATION

PART NUMBER

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FRAME 3

Test	ES Test Number	Production Validation		In-Process	
		Minimum Sample Size	Reliability Acceptance Criterion	Minimum Sample & Frequency per Assembly Line	Reliability Acceptance Criterion
✓ Low Temperature	*3.4.1	2	2.50-44		
✓ Break Fluid	*3.4.2	4	2.50-43		
✓ Gas Fixing	*3.4.3	2	2.50-44	2/MONTH	Q-101
✓ Gas Expansion	*3.4.4	4	2.50-44		
✓ Heat Age and Cold Load	*3.4.7	2	2.50-44		
✓ Insulation	*3.4.9	4	2.50-43		

In addition to these requirements, one hose assembly must be retained for 3 years by the supplier. This hose is to undergo pulse, pressure, and restriction testing only.

b. Production Vendor Data Certification

Each shipment of hose must be certified by a test report from the hose manufacturer indicating the actual test results obtained on all tests conducted prior to shipment.

Test	ES Test Number	Production Validation		In-Process	
		Minimum Sample Size	Reliability Acceptance Criterion	Minimum Sample & Frequency per Assembly Line	Reliability Acceptance Criterion
Discussion	IIIC			12/lot	Q-101
Insulation	IIIC			12/lot	Q-101
Expansion and Burst	*3.4.2			4/lot	Q-101
Heat Age and Cold Load	*3.4.7			6/MONTH	Q-101
Insulation	*3.4.9			2/lot	Q-101
Water Absorption & Burst	*3.4.4.1			4/WEEK	Q-101
Water Absorption & Tensile	*3.4.4.2			4/WEEK	Q-101

** ASTM D1171

* EEA-100728-A

① 1 DATA LOGS 2 PIECES EACH

III. TEST PROCEDURES AND REQUIREMENTS

The assemblies for validation testing must be new and unused and at least 24 hours old. If more than one hose and tube assembly is used as part of a multiple tube bundle, each hose and tube assembly must be separately qualified provided the hose, ferrule and crimp method are identical.

All applicable tests are to be conducted according to ASTM D571, standard method of testing automotive hydraulic brake hose. In the event of the failure of any sample to successfully complete the following requirements, the entire hose lot is to be rejected. Salvaging is not permitted.

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ENGINEERING SPECIFICATION

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REV

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III. TEST PROCEDURES AND REQUIREMENTS (cont'd.)

- A. **100 Percent Probe Test:** All brake hose assemblies must be checked by probing or with the use of an air gauge after pressure testing to insure that no obstructions are present in the inside diameter of the hose assembly.
- B. **100 Percent Pressure Check:** All brake hose assemblies must be checked, prior to shipment, using air or nitrogen as follows:
- A minimum pressure of 13.8 MPa (air or nitrogen) is to be maintained for a period of twelve to twenty seconds. Any indication of leakage, ballooning, or bursting shall be cause for rejection.
- C. **Hose Dimensional Inspection:** Random sampling of at least twelve (12) hoses from each lot. Cut length dimensions and concentricity of I.D. and O.D. of innercore must check within .5mm T.I.R. Inspect outer cover for visual defects. The I.D. must be free from loose graphite, soapstone, mica, and other foreign material.

IV. RELIABILITY ANALYSIS METHOD

Following are the methods for reducing the test data to compute the reliability values:

FIG. 1

1. Test the number of samples specified in Section II (column 3) per requirements in column 2.
2. If a failure occurs, stop the test; part fails to meet the reliability acceptance criterion (except as noted).
3. If no failures occur, the reliability acceptance criterion is met.

V. LOT DEFINITION

A lot is defined as ten (10) hours of production.

VI. RECORD RETENTION

Recording and record retention shall conform to Ford Q-101. Forward all FV test results to the Product Engineering Office.

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