

Electronic Supplementary Material
for
**“Observation of Current Rectification by a New Asymmetric Iron(III)
Surfactant in a Eutectic GaIn|LB Monolayer|Au Sandwich”**

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INDEX

Data for Figure 2A.....	2
Figure 2A.....	92
Data for Figure 2B.....	92
Figure 2B.....	114
Data for Figure 3.....	114
Figure 3.....	125
Data for Figure 4A.....	125
Figure 4A.....	139
Note for Figure 4B.....	139
Figure 4B.....	140
Data for Figure 4C	140
Figure 4C.....	147
Data for Figure 4D.....	148
Figure 4D.....	161
Note for Figure 4E.....	161
Figure 4E.....	162
Data for Figure 4F.....	162
Figure 4F.....	170
Data for Figure 5A.....	171
Figure 5A.....	184
Note for Figure 5B.....	184
Figure 5B.....	185
Data for Figure 5C.....	185
Figure 5C.....	193
Data for Figure 5D.....	194
Figure 5D.....	207
Note for Figure 5E.....	207
Figure 5E.....	208
Data for Figure 5F.....	209
Figure 5F.....	216
Data for Figure 6A.....	217
Figure 6A.....	230
Note for Figure 6B.....	230
Figure 6B.....	231
Data for Figure 6C.....	231
Figure 6C.....	239
Data for Figure 6D.....	240
Figure 6D.....	253
Note for Figure 6E.....	253
Figure 6E.....	254

Data for Figure 6F.....	254
Figure 6F.....	261

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Original data for Figure 2A:

Area A /cm ²	Surface Pressure Π/ (mN/m)	Area A /cm ²	Surface Pressure Π/ (mN/m)	Area A /cm ²	Surface Pressure Π/ (mN/m)
1254.1	0.0046850	1231.8	-0.023424	1211.6	-0.051534
1254.3	0.0000	1231.6	-0.023424	1211.6	-0.056219
1253.5	0.0046850	1231.0	-0.018740	1210.8	-0.051534
1253.7	0.0046850	1230.5	-0.023424	1210.5	-0.060904
1253.8	-0.0093700	1230.4	-0.023424	1210.0	-0.060904
1253.2	-0.0046850	1230.0	-0.018740	1209.6	-0.060904
1252.5	0.0000	1229.7	-0.018740	1209.4	-0.056219
1252.9	-0.014055	1229.6	-0.028109	1209.1	-0.060904
1251.8	-0.0046850	1228.7	-0.023424	1208.7	-0.056219
1251.4	-0.0093700	1230.0	-0.028109	1208.4	-0.060904
1250.9	0.0000	1228.6	-0.032794	1207.9	-0.060904
1250.0	-0.0093700	1228.0	-0.028109	1207.6	-0.060904
1249.7	-0.014055	1229.5	-0.032794	1207.5	-0.070273
1247.9	-0.0093700	1227.1	-0.028109	1206.8	-0.070273
1248.0	-0.014055	1227.1	-0.037479	1206.4	-0.070273
1247.4	-0.0093700	1226.8	-0.037479	1206.0	-0.070273
1247.2	-0.0093700	1225.5	-0.037479	1205.6	-0.065589
1245.8	-0.0046850	1225.3	-0.032794	1205.1	-0.060904
1246.3	-0.0093700	1225.5	-0.028109	1205.0	-0.070273
1246.2	-0.0093700	1226.6	-0.042164	1204.3	-0.074958
1245.1	-0.0093700	1224.9	-0.032794	1203.8	-0.070273
1245.1	-0.0093700	1225.0	-0.032794	1203.6	-0.070273
1244.8	0.0000	1224.0	-0.032794	1202.8	-0.079643
1244.7	-0.0046850	1222.6	-0.032794	1202.8	-0.070273
1244.7	-0.0093700	1222.1	-0.032794	1202.3	-0.070273
1243.6	-0.0046850	1222.3	-0.032794	1202.0	-0.074958
1243.8	0.0000	1221.8	-0.023424	1201.5	-0.079643
1243.5	0.0000	1221.2	-0.023424	1201.2	-0.065589
1243.2	0.0093700	1220.7	-0.028109	1200.6	-0.074958
1242.7	0.0000	1220.9	-0.032794	1200.4	-0.079643
1242.2	-0.0046850	1221.5	-0.028109	1200.1	-0.074958
1241.8	-0.0046850	1221.3	-0.028109	1199.6	-0.084328
1241.5	-0.0046850	1219.4	-0.028109	1199.2	-0.074958
1241.1	-0.0046850	1220.3	-0.023424	1199.3	-0.084328
1240.7	0.0000	1218.7	-0.028109	1198.6	-0.079643
1240.2	-0.0046850	1218.0	-0.028109	1198.1	-0.070273
1239.9	-0.0046850	1218.2	-0.028109	1198.1	-0.074958
1239.5	-0.0046850	1218.2	-0.023424	1197.7	-0.070273
1239.2	0.0000	1216.9	-0.032794	1196.7	-0.079643
1238.7	0.0046850	1218.0	-0.037479	1195.9	-0.079643
1238.4	-0.0093700	1216.2	-0.037479	1195.7	-0.079643
1237.7	-0.0046850	1216.1	-0.037479	1195.4	-0.084328
1237.6	-0.0093700	1215.6	-0.042164	1195.2	-0.074958
1237.1	-0.0046850	1215.2	-0.042164	1194.8	-0.079643
1236.6	-0.018740	1215.4	-0.042164	1194.5	-0.079643
1236.2	-0.0093700	1214.6	-0.046849	1194.2	-0.084328
1236.0	-0.014055	1214.4	-0.046849	1193.7	-0.084328
1235.5	-0.014055	1214.4	-0.046849	1193.7	-0.093698
1235.1	-0.018740	1212.9	-0.046849	1193.0	-0.093698
1234.7	-0.018740	1212.9	-0.046849	1192.5	-0.089013
1233.0	-0.014055	1212.9	-0.046849	1192.3	-0.074958
1232.6	-0.018740	1212.5	-0.046849	1192.0	-0.093698
1232.3	-0.014055	1211.9	-0.051534	1191.5	-0.093698

1191.0	-0.089013	1167.2	-0.098383	1145.9	-0.089013
1190.8	-0.093698	1166.7	-0.10307	1144.8	-0.084328
1190.3	-0.084328	1166.5	-0.10307	1144.2	-0.089013
1190.0	-0.089013	1166.0	-0.098383	1144.1	-0.089013
1189.7	-0.084328	1165.8	-0.098383	1143.9	-0.089013
1189.3	-0.089013	1165.3	-0.10307	1143.4	-0.098383
1188.9	-0.089013	1165.0	-0.10307	1142.3	-0.089013
1188.6	-0.093698	1164.6	-0.10775	1142.0	-0.089013
1188.0	-0.093698	1164.3	-0.098383	1140.6	-0.089013
1187.8	-0.089013	1163.9	-0.098383	1141.1	-0.089013
1187.5	-0.093698	1163.5	-0.098383	1140.6	-0.089013
1187.1	-0.093698	1163.3	-0.10307	1139.5	-0.089013
1186.9	-0.098383	1163.0	-0.10307	1138.7	-0.093698
1186.5	-0.093698	1162.6	-0.098383	1138.5	-0.089013
1186.0	-0.093698	1161.9	-0.098383	1138.1	-0.093698
1186.5	-0.093698	1161.8	-0.10307	1137.5	-0.093698
1185.7	-0.093698	1161.5	-0.093698	1136.6	-0.093698
1185.2	-0.093698	1161.2	-0.093698	1135.8	-0.089013
1186.8	-0.089013	1160.5	-0.098383	1135.6	-0.093698
1186.3	-0.093698	1160.0	-0.098383	1134.9	-0.093698
1185.3	-0.098383	1159.9	-0.10307	1134.9	-0.093698
1184.8	-0.098383	1159.5	-0.10307	1134.2	-0.093698
1184.9	-0.093698	1159.1	-0.093698	1133.7	-0.089013
1184.5	-0.093698	1158.9	-0.098383	1132.7	-0.089013
1183.2	-0.093698	1158.5	-0.098383	1132.5	-0.093698
1183.3	-0.093698	1158.2	-0.098383	1131.9	-0.084328
1182.4	-0.10307	1157.9	-0.098383	1131.6	-0.093698
1181.2	-0.098383	1157.6	-0.098383	1130.9	-0.093698
1181.0	-0.093698	1157.0	-0.093698	1130.4	-0.089013
1180.1	-0.089013	1156.7	-0.093698	1131.2	-0.089013
1179.7	-0.093698	1156.3	-0.093698	1130.3	-0.093698
1179.8	-0.098383	1156.0	-0.098383	1129.6	-0.098383
1179.4	-0.093698	1155.6	-0.098383	1129.6	-0.098383
1179.2	-0.098383	1155.2	-0.093698	1129.5	-0.093698
1179.0	-0.098383	1154.8	-0.089013	1128.9	-0.093698
1178.5	-0.10307	1154.4	-0.093698	1129.2	-0.093698
1178.0	-0.093698	1154.0	-0.089013	1129.1	-0.098383
1177.6	-0.098383	1153.5	-0.089013	1128.5	-0.093698
1177.2	-0.093698	1153.4	-0.093698	1128.1	-0.098383
1176.9	-0.10307	1152.9	-0.093698	1127.9	-0.093698
1176.6	-0.10775	1152.4	-0.093698	1127.7	-0.093698
1176.1	-0.098383	1152.0	-0.089013	1127.3	-0.093698
1175.8	-0.093698	1151.8	-0.089013	1126.9	-0.093698
1175.4	-0.093698	1151.3	-0.089013	1126.6	-0.093698
1175.0	-0.098383	1151.0	-0.093698	1126.2	-0.098383
1174.6	-0.10307	1150.6	-0.093698	1125.8	-0.098383
1174.3	-0.10307	1150.2	-0.093698	1125.5	-0.093698
1173.7	-0.10307	1150.1	-0.098383	1125.2	-0.093698
1173.4	-0.098383	1149.5	-0.089013	1124.8	-0.098383
1173.1	-0.10307	1149.0	-0.093698	1124.4	-0.093698
1172.5	-0.10307	1148.9	-0.093698	1123.9	-0.093698
1172.3	-0.10307	1148.4	-0.084328	1123.6	-0.093698
1171.9	-0.098383	1148.0	-0.084328	1123.3	-0.093698
1171.5	-0.10775	1147.6	-0.079643	1122.9	-0.093698
1171.2	-0.10775	1147.4	-0.093698	1122.4	-0.093698
1170.8	-0.10775	1146.8	-0.093698	1122.1	-0.089013
1170.3	-0.10307	1146.3	-0.089013	1121.9	-0.093698
1169.9	-0.10307	1146.4	-0.089013	1121.5	-0.098383
1169.6	-0.10307	1145.7	-0.089013	1120.9	-0.098383
1169.2	-0.098383	1145.6	-0.093698	1120.7	-0.098383
1168.8	-0.098383	1145.2	-0.084328	1120.3	-0.093698
1168.4	-0.10307	1146.6	-0.098383	1119.9	-0.093698
1168.1	-0.10307	1147.0	-0.093698	1119.6	-0.098383
1167.5	-0.10307	1146.3	-0.093698	1119.1	-0.093698

1118.6	-0.089013	1095.3	-0.098383	1071.3	-0.11712
1118.3	-0.093698	1094.9	-0.093698	1069.4	-0.10775
1118.0	-0.098383	1095.0	-0.10307	1069.1	-0.11712
1117.8	-0.098383	1094.5	-0.10307	1068.7	-0.11712
1117.3	-0.089013	1093.7	-0.089013	1068.4	-0.11244
1116.9	-0.093698	1093.7	-0.10307	1068.0	-0.11244
1116.5	-0.093698	1093.3	-0.10307	1067.2	-0.10307
1116.3	-0.093698	1093.3	-0.10775	1066.9	-0.10307
1115.9	-0.089013	1092.7	-0.10775	1066.8	-0.11244
1115.7	-0.084328	1092.5	-0.098383	1067.5	-0.10775
1115.0	-0.089013	1094.6	-0.10775	1067.2	-0.11244
1114.8	-0.093698	1094.4	-0.10307	1066.3	-0.10307
1114.6	-0.093698	1092.7	-0.10775	1066.4	-0.11712
1114.1	-0.089013	1092.2	-0.10307	1066.6	-0.10775
1113.7	-0.089013	1093.5	-0.10775	1065.6	-0.11244
1113.6	-0.098383	1092.9	-0.10307	1065.4	-0.11244
1113.2	-0.093698	1092.4	-0.10307	1064.3	-0.11712
1112.9	-0.089013	1091.1	-0.10775	1064.1	-0.11712
1112.3	-0.079643	1091.3	-0.10307	1064.4	-0.12181
1112.1	-0.093698	1090.8	-0.10775	1064.3	-0.11712
1111.8	-0.093698	1090.4	-0.10307	1063.6	-0.11244
1111.2	-0.089013	1090.0	-0.11244	1063.3	-0.12181
1111.1	-0.093698	1089.4	-0.11244	1063.2	-0.11712
1110.5	-0.089013	1089.1	-0.10307	1062.3	-0.11244
1109.9	-0.089013	1088.6	-0.098383	1062.5	-0.10775
1109.1	-0.079643	1088.2	-0.10307	1061.6	-0.10775
1109.2	-0.079643	1087.1	-0.10307	1061.6	-0.10775
1108.8	-0.079643	1087.3	-0.10775	1061.6	-0.10775
1108.5	-0.084328	1086.7	-0.098383	1061.1	-0.11244
1107.8	-0.084328	1085.6	-0.098383	1060.1	-0.11712
1107.7	-0.084328	1085.3	-0.098383	1060.2	-0.11244
1107.4	-0.084328	1085.8	-0.098383	1059.9	-0.11244
1106.9	-0.084328	1085.3	-0.098383	1059.3	-0.11244
1106.7	-0.079643	1083.8	-0.098383	1059.4	-0.11712
1106.2	-0.089013	1084.0	-0.098383	1058.6	-0.10775
1105.9	-0.084328	1083.7	-0.098383	1058.4	-0.11712
1105.2	-0.093698	1082.7	-0.10775	1058.0	-0.11712
1105.2	-0.089013	1081.9	-0.098383	1057.5	-0.11244
1104.8	-0.079643	1082.6	-0.10307	1057.6	-0.11244
1104.4	-0.079643	1081.4	-0.10307	1056.9	-0.10307
1104.2	-0.089013	1080.9	-0.10775	1056.6	-0.10775
1103.8	-0.093698	1080.8	-0.11244	1056.4	-0.10307
1103.3	-0.084328	1079.8	-0.10775	1056.0	-0.098383
1103.0	-0.089013	1080.5	-0.098383	1055.5	-0.098383
1102.7	-0.084328	1079.1	-0.10775	1055.1	-0.093698
1102.1	-0.089013	1078.5	-0.10775	1054.9	-0.10307
1101.9	-0.084328	1078.2	-0.11244	1054.4	-0.10307
1101.6	-0.084328	1078.2	-0.10775	1053.9	-0.10307
1101.1	-0.084328	1077.5	-0.10775	1053.6	-0.10775
1100.8	-0.093698	1076.6	-0.11244	1053.4	-0.10775
1100.4	-0.098383	1076.0	-0.11712	1053.1	-0.11244
1099.8	-0.093698	1075.7	-0.11244	1052.8	-0.11712
1099.6	-0.093698	1075.0	-0.11244	1052.2	-0.12181
1099.3	-0.098383	1074.5	-0.11244	1051.9	-0.10775
1098.8	-0.093698	1074.7	-0.11712	1051.6	-0.11244
1098.6	-0.098383	1073.5	-0.12181	1051.3	-0.11712
1098.2	-0.098383	1072.6	-0.11712	1050.8	-0.10307
1097.9	-0.098383	1072.7	-0.11244	1050.6	-0.10775
1097.4	-0.089013	1071.9	-0.10775	1050.0	-0.12181
1097.1	-0.098383	1071.6	-0.11712	1049.7	-0.11712
1096.8	-0.093698	1070.7	-0.11244	1049.4	-0.12181
1096.5	-0.098383	1071.0	-0.12181	1048.9	-0.13118
1096.2	-0.10307	1070.6	-0.10775	1048.7	-0.13118
1095.8	-0.093698	1070.1	-0.11712	1048.3	-0.13586

1048.0	-0.13586	1024.3	-0.11244	999.79	-0.14055
1047.7	-0.13118	1023.9	-0.10775	999.94	-0.13118
1047.4	-0.13118	1023.5	-0.10775	999.56	-0.12649
1046.7	-0.12181	1023.0	-0.10775	999.37	-0.12649
1046.6	-0.13118	1021.6	-0.11244	998.81	-0.13118
1046.3	-0.13586	1022.4	-0.11244	998.40	-0.12181
1045.7	-0.13586	1022.1	-0.11244	998.10	-0.12181
1045.3	-0.13586	1022.0	-0.11244	997.61	-0.11712
1045.0	-0.14055	1021.3	-0.11244	997.42	-0.12649
1044.5	-0.14523	1020.8	-0.11244	996.97	-0.11712
1044.2	-0.14055	1020.4	-0.10775	996.56	-0.11244
1043.9	-0.13586	1020.1	-0.11244	996.14	-0.11712
1043.5	-0.13118	1019.6	-0.10307	995.84	-0.11712
1043.2	-0.11712	1019.3	-0.11244	995.13	-0.11712
1042.8	-0.12181	1019.0	-0.11244	995.13	-0.11712
1042.4	-0.13586	1018.6	-0.11712	994.83	-0.11244
1041.9	-0.13118	1018.2	-0.11244	994.34	-0.11244
1041.7	-0.13118	1017.7	-0.11244	994.26	-0.11712
1041.2	-0.13118	1017.5	-0.11712	993.74	-0.11712
1040.8	-0.13118	1017.0	-0.10775	992.73	-0.12649
1040.7	-0.14055	1016.6	-0.11712	984.70	-0.11712
1040.2	-0.13118	1016.5	-0.11712	991.61	-0.11712
1039.8	-0.13586	1015.8	-0.11712	989.77	-0.11712
1039.5	-0.13586	1016.1	-0.11712	991.08	-0.12181
1039.0	-0.13118	1015.5	-0.12181	989.66	-0.12181
1038.8	-0.13118	1014.7	-0.12649	990.99	-0.10775
1038.4	-0.13118	1014.2	-0.12181	990.73	-0.11244
1038.0	-0.13118	1013.7	-0.11712	990.39	-0.11244
1037.6	-0.13118	1013.4	-0.11712	989.98	-0.10775
1037.4	-0.13118	1012.9	-0.12181	989.16	-0.11244
1036.9	-0.11712	1012.5	-0.11712	989.46	-0.11244
1036.5	-0.12181	1012.3	-0.11244	987.78	-0.11244
1036.1	-0.11712	1012.0	-0.12181	988.48	-0.11244
1035.5	-0.12649	1011.6	-0.12181	988.21	-0.10775
1035.4	-0.12649	1011.5	-0.12181	987.73	-0.11244
1035.0	-0.12181	1010.7	-0.11712	987.35	-0.11244
1034.7	-0.11712	1010.4	-0.11244	987.12	-0.11244
1034.5	-0.12649	1010.3	-0.11712	986.52	-0.11244
1033.9	-0.12649	1009.9	-0.11712	986.30	-0.11712
1033.7	-0.12649	1009.6	-0.12181	986.03	-0.10775
1033.1	-0.11712	1009.2	-0.11712	985.70	-0.10775
1032.7	-0.13118	1008.6	-0.11712	984.61	-0.10775
1032.4	-0.11712	1008.3	-0.12649	982.56	-0.11244
1032.2	-0.12181	1008.1	-0.12181	984.42	-0.11712
1031.7	-0.11244	1007.7	-0.13118	984.19	-0.11244
1031.2	-0.11244	1007.6	-0.12181	983.70	-0.11712
1031.1	-0.11244	1007.1	-0.12181	983.25	-0.12181
1030.6	-0.11244	1006.7	-0.11712	982.80	-0.11244
1030.3	-0.11712	1006.0	-0.10775	982.62	-0.11244
1030.0	-0.11712	1005.9	-0.11712	982.05	-0.11712
1029.4	-0.10775	1005.4	-0.10775	981.75	-0.12181
1028.6	-0.11712	1005.0	-0.10775	981.68	-0.12181
1028.5	-0.11244	1004.8	-0.11244	980.92	-0.12181
1028.4	-0.11244	1004.4	-0.10775	980.74	-0.12649
1028.0	-0.11712	1004.1	-0.11712	980.32	-0.12181
1026.4	-0.11712	1003.7	-0.11712	979.95	-0.12181
1027.2	-0.11712	1003.4	-0.11712	979.57	-0.12649
1026.7	-0.11712	1003.1	-0.11712	979.35	-0.12181
1026.1	-0.12181	1002.7	-0.12649	978.82	-0.12181
1023.9	-0.11712	1002.3	-0.13118	978.44	-0.11712
1025.6	-0.13118	1002.0	-0.13118	978.11	-0.11712
1025.4	-0.11244	1001.6	-0.13118	977.73	-0.11712
1024.0	-0.11712	1001.4	-0.12181	977.24	-0.11244
1024.7	-0.10775	1000.8	-0.13118	977.02	-0.10307

976.53	-0.12649	953.31	-0.12181	931.78	-0.13118
976.34	-0.12649	953.05	-0.12181	931.37	-0.13118
975.93	-0.12181	952.71	-0.11712	930.88	-0.13118
975.48	-0.13118	953.87	-0.12181	930.58	-0.12649
975.06	-0.12649	952.37	-0.13118	929.83	-0.13586
974.72	-0.13118	952.03	-0.13118	929.64	-0.13586
974.16	-0.12649	951.39	-0.13118	929.08	-0.12649
973.86	-0.13118	953.80	-0.13118	929.00	-0.12181
973.56	-0.12181	953.20	-0.13118	928.55	-0.12649
973.22	-0.11712	950.26	-0.13118	928.18	-0.12649
972.81	-0.11712	949.74	-0.12181	927.84	-0.12649
972.47	-0.12181	951.09	-0.13586	927.46	-0.12181
971.94	-0.12181	949.14	-0.13118	926.97	-0.11712
971.83	-0.13118	950.49	-0.14055	926.78	-0.11712
971.42	-0.13118	948.27	-0.14055	926.82	-0.11712
970.93	-0.11712	948.16	-0.13118	926.26	-0.11712
970.63	-0.12649	947.71	-0.14055	925.70	-0.13118
970.21	-0.11712	947.22	-0.14055	925.39	-0.13118
969.91	-0.12181	947.18	-0.14055	924.94	-0.13586
969.35	-0.12181	946.70	-0.13586	924.68	-0.12649
968.97	-0.11712	946.02	-0.13586	924.23	-0.12649
968.75	-0.12649	945.76	-0.13118	923.52	-0.12181
968.41	-0.12649	945.42	-0.13118	923.48	-0.13118
967.96	-0.11712	948.43	-0.14055	923.18	-0.13118
967.58	-0.12181	947.75	-0.13586	923.10	-0.12181
967.28	-0.11712	944.29	-0.13118	922.65	-0.12649
966.87	-0.11244	944.07	-0.13586	922.13	-0.12649
966.49	-0.12181	946.17	-0.13586	921.45	-0.12649
966.08	-0.11712	943.28	-0.13586	920.85	-0.13118
966.08	-0.12649	942.83	-0.13118	920.36	-0.13118
965.41	-0.12181	944.93	-0.13118	920.29	-0.13118
965.26	-0.12181	944.93	-0.13118	920.47	-0.12181
964.92	-0.13118	941.66	-0.11712	920.25	-0.13118
964.47	-0.13118	941.47	-0.12649	919.76	-0.12181
964.05	-0.13118	942.30	-0.13586	919.42	-0.12181
963.87	-0.13586	942.83	-0.12181	919.27	-0.13118
963.38	-0.13118	942.45	-0.12181	918.67	-0.13118
963.11	-0.12181	942.53	-0.12649	917.81	-0.13118
962.55	-0.11712	940.91	-0.12649	917.73	-0.13118
962.29	-0.12181	941.74	-0.11712	917.54	-0.12649
961.87	-0.12649	941.44	-0.12181	916.64	-0.12649
961.69	-0.12181	938.28	-0.11712	916.19	-0.13118
961.16	-0.11712	940.80	-0.11712	912.82	-0.12649
960.90	-0.12181	937.75	-0.11712	915.67	-0.12649
960.45	-0.11712	939.33	-0.12181	915.29	-0.13118
960.07	-0.12181	939.22	-0.12181	914.84	-0.12649
959.73	-0.12181	938.88	-0.12181	913.86	-0.12649
959.55	-0.12649	938.54	-0.12181	913.75	-0.13118
958.94	-0.12181	938.43	-0.13118	913.64	-0.13118
958.76	-0.13118	937.34	-0.12649	913.30	-0.13118
958.57	-0.12649	937.15	-0.13118	912.70	-0.13586
958.12	-0.11712	936.63	-0.13118	912.47	-0.13118
957.63	-0.12649	936.48	-0.13118	911.49	-0.13118
957.29	-0.12181	935.95	-0.13118	910.97	-0.13118
957.03	-0.12181	935.91	-0.11712	910.52	-0.13586
957.74	-0.12181	935.39	-0.12649	910.63	-0.13118
956.01	-0.12181	934.67	-0.12649	911.27	-0.12181
955.60	-0.11712	934.26	-0.11712	911.16	-0.12649
955.30	-0.11712	934.26	-0.12181	910.29	-0.12181
955.07	-0.11712	933.51	-0.12649	910.44	-0.13118
954.89	-0.12649	933.47	-0.13118	909.88	-0.12649
954.44	-0.12181	932.49	-0.12181	909.65	-0.12649
954.10	-0.12181	932.12	-0.13586	909.09	-0.11244
953.65	-0.12181	931.78	-0.13118	907.29	-0.13118

907.29	-0.12181	883.35	-0.12181	860.06	-0.11244
907.02	-0.12181	883.81	-0.11712	859.72	-0.10775
906.76	-0.12181	883.28	-0.12181	859.31	-0.11244
905.90	-0.11712	883.05	-0.12649	858.93	-0.10775
905.56	-0.13118	882.87	-0.11712	858.67	-0.098383
905.22	-0.12649	882.34	-0.12181	858.33	-0.10775
905.03	-0.12649	881.93	-0.12181	857.99	-0.10775
904.28	-0.12181	881.89	-0.13118	857.99	-0.10775
903.94	-0.11712	881.21	-0.11712	856.98	-0.10775
903.64	-0.13118	880.91	-0.12181	857.13	-0.098383
903.15	-0.12649	880.50	-0.11712	856.68	-0.10775
902.66	-0.13118	880.46	-0.12181	855.78	-0.10307
902.10	-0.12181	880.05	-0.12181	855.70	-0.10307
902.36	-0.12181	879.90	-0.12181	855.21	-0.098383
902.21	-0.11712	879.11	-0.12181	855.02	-0.10307
901.54	-0.12181	878.70	-0.11244	854.39	-0.098383
900.86	-0.13118	878.70	-0.12181	854.35	-0.098383
900.97	-0.12649	878.06	-0.11244	853.75	-0.10307
900.67	-0.13118	877.72	-0.12181	853.48	-0.10775
900.11	-0.12181	877.12	-0.11244	852.84	-0.10775
899.58	-0.13586	876.97	-0.11712	852.58	-0.093698
898.87	-0.12649	876.55	-0.11244	852.43	-0.10307
898.53	-0.12649	875.69	-0.11244	851.60	-0.098383
898.46	-0.13118	875.01	-0.11244	851.38	-0.093698
897.82	-0.13118	875.24	-0.11244	851.23	-0.093698
897.44	-0.13118	874.94	-0.11712	850.93	-0.098383
896.95	-0.13118	874.49	-0.10775	850.59	-0.098383
896.92	-0.13118	873.92	-0.11712	850.06	-0.098383
896.16	-0.12181	873.74	-0.11712	849.61	-0.089013
895.71	-0.12649	873.17	-0.11712	849.16	-0.093698
895.41	-0.13586	873.32	-0.10775	849.09	-0.093698
895.22	-0.13586	872.72	-0.11244	848.71	-0.089013
894.59	-0.13586	871.97	-0.11244	848.41	-0.098383
894.14	-0.11712	871.71	-0.11244	848.15	-0.098383
893.99	-0.12649	871.37	-0.11244	847.85	-0.093698
893.50	-0.13118	871.29	-0.11244	847.21	-0.093698
893.16	-0.13118	870.62	-0.11712	847.44	-0.098383
892.78	-0.13118	870.39	-0.11712	846.42	-0.093698
892.60	-0.11712	870.17	-0.10775	845.89	-0.098383
892.03	-0.13118	869.60	-0.11244	845.52	-0.093698
891.84	-0.12649	869.30	-0.11244	845.52	-0.098383
891.58	-0.13118	869.04	-0.11244	844.84	-0.089013
890.94	-0.13118	868.51	-0.11712	844.28	-0.093698
890.42	-0.12181	867.76	-0.11712	844.13	-0.093698
890.27	-0.13118	867.65	-0.10775	843.90	-0.089013
890.04	-0.11712	867.20	-0.11244	843.53	-0.098383
891.06	-0.11712	866.82	-0.11244	842.96	-0.093698
890.94	-0.12181	866.63	-0.10775	842.63	-0.093698
890.64	-0.12649	866.18	-0.11712	842.10	-0.089013
889.89	-0.11712	866.11	-0.10307	842.10	-0.093698
889.63	-0.13118	865.62	-0.11244	841.39	-0.089013
888.58	-0.12649	865.09	-0.11712	840.82	-0.093698
888.46	-0.12649	864.91	-0.10775	840.52	-0.089013
887.86	-0.12649	864.61	-0.10307	840.03	-0.084328
887.94	-0.12181	863.82	-0.10775	839.47	-0.093698
887.90	-0.12649	863.52	-0.11244	839.32	-0.089013
887.26	-0.11712	863.03	-0.10307	838.83	-0.093698
886.81	-0.12649	862.46	-0.10775	838.72	-0.089013
886.40	-0.12181	862.31	-0.11712	838.45	-0.084328
885.68	-0.13118	861.90	-0.10775	838.00	-0.089013
885.34	-0.12181	861.75	-0.10307	837.67	-0.089013
884.97	-0.12181	861.26	-0.10307	837.18	-0.089013
884.67	-0.12181	860.77	-0.10775	836.99	-0.079643
884.22	-0.12181	860.58	-0.10775	836.76	-0.079643

836.35	-0.079643	812.49	-0.060904	789.57	-0.023424
835.97	-0.079643	809.96	-0.060904	789.05	-0.014055
835.79	-0.079643	810.55	-0.060904	788.75	-0.018740
835.03	-0.074958	811.93	-0.056219	788.45	-0.018740
835.04	-0.079643	811.10	-0.060904	788.37	-0.018740
834.92	-0.079643	811.03	-0.060904	787.66	-0.014055
833.95	-0.079643	810.69	-0.060904	786.79	-0.018740
833.80	-0.079643	809.64	-0.065589	786.87	-0.014055
833.27	-0.084328	809.50	-0.051534	786.68	-0.018740
833.12	-0.084328	804.53	-0.056219	786.19	-0.0093700
832.40	-0.089013	809.04	-0.060904	785.66	-0.014055
831.80	-0.089013	805.20	-0.056219	785.66	-0.014055
831.99	-0.079643	809.04	-0.051534	785.70	-0.018740
831.84	-0.084328	808.10	-0.046849	784.95	-0.014055
831.13	-0.089013	808.77	-0.056219	784.50	-0.014055
830.41	-0.079643	806.64	-0.051534	784.46	-0.014055
830.19	-0.084328	804.06	-0.056219	783.97	-0.018740
830.08	-0.079643	806.49	-0.051534	783.49	-0.014055
829.96	-0.079643	806.56	-0.046849	783.07	-0.0093700
829.14	-0.089013	804.54	-0.060904	782.85	-0.0093700
828.68	-0.079643	805.35	-0.042164	781.91	-0.0093700
828.35	-0.079643	804.02	-0.051534	782.13	-0.018740
828.12	-0.079643	801.66	-0.051534	781.12	-0.014055
827.48	-0.079643	803.64	-0.056219	780.55	-0.014055
827.11	-0.079643	803.11	-0.051534	780.33	-0.0046850
826.84	-0.074958	803.40	-0.046849	780.71	-0.014055
826.58	-0.089013	802.99	-0.056219	780.07	-0.0093700
826.09	-0.084328	802.65	-0.042164	779.84	-0.0046850
825.98	-0.089013	802.65	-0.046849	778.02	-0.014055
825.45	-0.079643	802.27	-0.042164	779.28	0.0000
825.15	-0.089013	801.71	-0.042164	774.91	0.0000
824.36	-0.074958	801.48	-0.042164	774.80	-0.0046850
824.21	-0.070273	801.41	-0.037479	777.70	0.0000
823.91	-0.074958	800.58	-0.046849	777.58	0.0000
823.31	-0.074958	800.02	-0.042164	777.25	-0.0046850
823.01	-0.079643	800.02	-0.042164	776.69	0.0000
822.60	-0.074958	799.45	-0.032794	776.83	0.0046850
822.11	-0.074958	799.00	-0.046849	776.01	0.0046850
822.18	-0.070273	798.70	-0.037479	775.48	0.014055
821.62	-0.074958	798.18	-0.032794	777.55	0.0000
821.21	-0.079643	797.84	-0.032794	775.29	0.0000
820.35	-0.074958	797.69	-0.028109	774.62	0.0000
813.97	-0.074958	797.43	-0.028109	774.01	0.0093700
817.96	-0.079643	796.97	-0.037479	773.71	0.0093700
820.23	-0.070273	796.60	-0.037479	773.38	0.0093700
819.14	-0.074958	796.41	-0.028109	773.15	0.0046850
818.14	-0.065589	796.11	-0.028109	772.44	0.0046850
818.50	-0.070273	795.77	-0.028109	771.91	0.0000
818.39	-0.065589	795.25	-0.028109	772.14	0.0046850
817.16	-0.074958	794.91	-0.023424	771.61	-0.0046850
817.39	-0.074958	794.16	-0.028109	771.20	0.0000
816.19	-0.065589	793.86	-0.018740	770.45	0.0000
817.23	-0.070273	793.44	-0.023424	770.27	0.0093700
814.73	-0.060904	793.33	-0.023424	769.92	0.0046850
816.11	-0.070273	792.77	-0.014055	769.69	0.0046850
815.40	-0.065589	792.77	-0.023424	769.36	0.0093700
815.38	-0.060904	792.39	-0.014055	768.90	0.018740
814.42	-0.056219	792.05	-0.018740	768.38	0.014055
814.82	-0.060904	791.15	-0.014055	767.96	0.018740
814.52	-0.070273	791.15	-0.023424	767.63	0.023424
813.96	-0.065589	790.66	-0.014055	767.40	0.018740
813.26	-0.070273	790.17	-0.023424	767.21	0.028109
813.37	-0.060904	790.10	-0.014055	766.65	0.028109
813.21	-0.056219	789.31	-0.014055	766.12	0.023424

765.86	0.037479	743.84	0.13118	720.70	0.52939
765.33	0.032794	743.20	0.13118	720.40	0.53408
765.11	0.032794	743.09	0.13586	719.68	0.53876
765.11	0.032794	742.49	0.13118	719.53	0.54345
764.66	0.032794	742.38	0.13118	719.35	0.55282
764.06	0.042164	741.78	0.13586	719.12	0.56219
763.72	0.042164	741.25	0.14523	719.20	0.56687
763.42	0.042164	741.14	0.14055	718.56	0.57624
763.27	0.042164	740.61	0.14523	717.81	0.57624
762.52	0.042164	740.39	0.14992	717.88	0.57624
762.33	0.046849	739.86	0.16397	717.92	0.59498
762.22	0.056219	739.94	0.17803	717.05	0.61372
761.77	0.051534	739.41	0.17803	717.09	0.61841
761.73	0.056219	738.88	0.18271	716.68	0.62309
760.94	0.056219	738.70	0.18740	716.57	0.63715
760.56	0.051534	738.06	0.18740	715.96	0.64652
760.15	0.060904	738.06	0.18740	715.14	0.65589
760.15	0.056219	737.72	0.19208	714.88	0.67463
759.62	0.056219	737.08	0.18740	714.46	0.67931
758.91	0.060904	737.00	0.19208	714.01	0.69336
758.46	0.065589	736.70	0.19208	713.75	0.70742
758.42	0.060904	735.95	0.19677	713.75	0.72148
758.16	0.065589	735.99	0.19677	713.07	0.73553
757.48	0.065589	735.61	0.20614	712.40	0.75895
757.22	0.070273	734.86	0.22019	711.76	0.77301
757.07	0.065589	734.71	0.21551	711.98	0.79175
756.73	0.079643	734.56	0.22488	711.83	0.80580
756.69	0.070273	733.96	0.22956	711.19	0.81517
756.20	0.074958	733.70	0.22956	710.97	0.82923
756.17	0.074958	733.55	0.23425	711.08	0.84797
756.13	0.070273	733.10	0.23893	710.59	0.86202
755.26	0.074958	732.72	0.24362	710.56	0.87139
755.68	0.070273	732.57	0.24362	709.54	0.89013
754.66	0.079643	732.42	0.25299	709.54	0.89013
754.25	0.089013	731.71	0.26235	709.02	0.89482
753.84	0.079643	731.37	0.26235	708.98	0.90887
754.21	0.074958	730.65	0.27641	708.53	0.92292
753.27	0.084328	730.77	0.27172	708.04	0.93698
752.60	0.084328	730.69	0.29046	707.62	0.95104
752.22	0.079643	730.13	0.29046	707.81	0.96509
751.62	0.079643	729.57	0.29046	707.21	0.97446
751.06	0.089013	729.26	0.29983	706.76	0.99788
751.02	0.089013	729.00	0.30920	706.01	1.0213
750.83	0.084328	728.55	0.32326	706.27	1.0307
750.76	0.084328	728.36	0.32794	705.63	1.0588
750.46	0.089013	727.84	0.33731	705.11	1.0635
750.04	0.089013	727.46	0.34668	704.58	1.0822
749.63	0.089013	727.12	0.36074	704.24	1.0916
749.07	0.093698	726.63	0.37948	703.79	1.0963
748.69	0.093698	726.03	0.38416	704.09	1.1056
748.43	0.098383	725.62	0.38885	703.34	1.1291
748.13	0.098383	725.62	0.39353	702.93	1.1431
747.67	0.10775	725.13	0.39353	702.82	1.1572
747.22	0.098383	724.87	0.40759	702.14	1.1853
746.89	0.10307	724.31	0.41696	702.29	1.2040
746.59	0.10775	724.12	0.42164	701.84	1.2228
746.32	0.10307	724.00	0.42633	701.24	1.2415
745.83	0.10775	722.95	0.44506	700.90	1.2649
745.61	0.10775	722.91	0.44975	700.75	1.2790
745.23	0.12181	722.50	0.45912	700.38	1.2977
744.86	0.12649	722.39	0.48254	699.77	1.3258
744.63	0.11712	722.50	0.50128	699.66	1.3305
744.07	0.12649	721.64	0.50597	699.02	1.3586
743.80	0.12649	720.81	0.52471	698.42	1.3867

698.61	1.3961	717.86	0.53876	697.64	1.2274
697.97	1.4242	718.05	0.52471	697.46	1.2415
697.78	1.4429	719.14	0.49191	697.16	1.2649
697.44	1.4617	720.53	0.46380	696.78	1.2883
697.14	1.5039	720.98	0.43101	696.44	1.3024
696.54	1.5179	720.79	0.42633	696.03	1.3305
696.58	1.5413	720.64	0.42164	695.28	1.3539
696.02	1.5694	719.48	0.42633	695.12	1.3867
695.49	1.5835	718.99	0.42633	695.01	1.3961
695.45	1.6069	718.54	0.41696	694.34	1.4336
695.19	1.6257	718.61	0.42633	694.45	1.4523
694.55	1.6538	717.41	0.44038	693.96	1.4711
694.25	1.6819	717.22	0.44506	693.17	1.5039
693.84	1.6959	716.66	0.45443	693.32	1.5226
693.54	1.7194	716.17	0.45443	693.06	1.5460
693.31	1.7475	715.61	0.46380	692.68	1.5694
692.64	1.7756	715.19	0.46849	692.83	1.5929
692.56	1.7943	715.38	0.47786	692.50	1.6069
692.04	1.8084	714.74	0.48254	691.52	1.6491
692.04	1.8412	714.52	0.50128	691.33	1.6725
691.40	1.8599	714.07	0.50597	691.11	1.6819
691.02	1.8880	713.84	0.51534	690.73	1.7100
690.76	1.9068	713.24	0.53876	690.09	1.7381
690.53	1.9302	713.69	0.55282	689.75	1.7615
690.04	1.9583	713.80	0.56219	689.79	1.7849
689.82	1.9911	712.53	0.56687	689.30	1.8037
689.41	2.0005	712.07	0.58561	688.96	1.8365
689.14	2.0332	711.92	0.59967	688.40	1.8599
689.48	2.0520	711.10	0.60904	688.14	1.8833
690.61	2.0567	710.65	0.62778	687.84	1.9068
690.57	2.0520	710.35	0.63715	687.27	1.9302
691.47	2.0426	710.04	0.65589	687.09	1.9536
692.30	2.0286	709.97	0.66526	686.56	1.9817
692.68	2.0005	709.41	0.67931	686.45	2.0192
693.84	1.9583	709.52	0.68868	686.15	2.0379
695.23	1.9068	708.96	0.70274	686.11	2.0614
695.38	1.8833	708.50	0.72616	685.25	2.0848
696.40	1.8271	708.20	0.74021	685.17	2.1129
696.96	1.7334	707.56	0.75427	684.57	2.1363
698.01	1.6772	707.19	0.76832	684.38	2.1691
699.18	1.6116	706.55	0.79175	683.89	2.1878
699.82	1.5601	706.21	0.79643	683.89	2.2206
700.64	1.4945	705.95	0.81049	683.29	2.2488
701.25	1.4336	705.42	0.83860	683.03	2.2815
701.10	1.3774	705.23	0.85734	682.43	2.3003
701.77	1.3165	704.48	0.87139	682.05	2.3378
702.60	1.2509	704.26	0.88545	681.86	2.3612
703.50	1.2228	704.11	0.90419	681.53	2.3893
703.99	1.1665	703.96	0.91356	681.41	2.4268
705.19	1.0916	703.32	0.93698	680.81	2.4549
706.13	1.0400	703.32	0.94635	680.59	2.4689
706.70	0.99320	702.38	0.96977	680.14	2.5158
707.45	0.96977	702.23	0.99320	679.35	2.5580
708.76	0.90887	701.59	1.0026	679.61	2.5673
709.89	0.87139	701.36	1.0213	679.12	2.6189
710.53	0.82454	701.10	1.0494	679.50	2.6423
710.76	0.79175	700.88	1.0541	678.63	2.6563
712.15	0.76364	700.39	1.0822	678.18	2.7079
712.75	0.72148	699.79	1.1010	677.39	2.7360
714.10	0.68400	699.41	1.1197	677.36	2.7547
714.18	0.65589	699.52	1.1384	677.09	2.7922
714.93	0.62309	698.43	1.1712	676.91	2.8156
716.06	0.59498	698.28	1.1806	676.12	2.8578
716.66	0.56219	698.17	1.1946	675.97	2.8859

675.51	2.9234	686.98	1.9114	739.14	0.084328
675.29	2.9562	688.03	1.8224	739.82	0.079643
674.58	2.9796	689.05	1.7756	740.35	0.079643
674.31	3.0077	689.50	1.7194	741.62	0.065589
673.86	3.0405	690.55	1.6303	742.34	0.065589
673.30	3.0639	689.89	1.5788	743.32	0.056219
673.07	3.1014	692.24	1.5413	744.25	0.056219
673.07	3.1248	692.96	1.4664	745.01	0.056219
672.32	3.1670	693.86	1.4055	745.87	0.042164
672.28	3.1998	694.65	1.3680	746.36	0.046849
671.76	3.2326	695.77	1.3071	747.33	0.042164
671.34	3.2747	696.34	1.2556	747.67	0.032794
671.23	3.2982	697.24	1.2134	748.91	0.032794
670.82	3.3263	698.29	1.1525	749.74	0.032794
670.18	3.3684	698.82	1.1197	750.30	0.032794
669.99	3.3966	699.72	1.0728	751.88	0.023424
669.69	3.4293	700.70	1.0166	751.77	0.014055
669.09	3.4668	701.41	0.98383	751.58	0.014055
668.83	3.4996	702.01	0.94635	751.13	0.014055
669.01	3.5230	702.61	0.90419	750.76	0.014055
668.56	3.5652	703.44	0.87139	750.04	0.0093700
668.45	3.6027	704.19	0.84328	749.89	0.014055
667.93	3.6261	704.83	0.78706	749.21	0.014055
667.29	3.6683	705.51	0.75427	749.25	0.014055
666.95	3.6964	706.64	0.72616	748.16	0.014055
666.54	3.7151	707.73	0.70742	747.34	0.023424
666.31	3.7573	708.18	0.66994	747.03	0.018740
665.56	3.8041	708.85	0.64183	746.96	0.032794
665.33	3.8510	709.94	0.60904	746.66	0.023424
665.15	3.8885	710.54	0.59030	746.21	0.018740
665.03	3.9259	711.48	0.56219	745.46	0.028109
664.66	3.9587	712.46	0.52002	744.89	0.028109
664.32	4.0009	713.14	0.50128	744.55	0.032794
664.13	4.0337	713.93	0.49191	744.29	0.028109
664.02	4.0571	715.13	0.45912	743.65	0.028109
664.66	4.0665	715.99	0.43570	743.43	0.028109
665.11	4.0759	716.07	0.41696	742.75	0.037479
665.67	4.0618	717.57	0.39353	742.49	0.037479
666.24	4.0243	717.99	0.37479	742.22	0.037479
667.36	3.9728	718.70	0.35605	741.70	0.037479
667.14	3.9353	719.90	0.33731	741.44	0.046849
668.53	3.8604	720.47	0.32794	741.02	0.042164
669.17	3.7995	721.03	0.30920	740.53	0.046849
670.14	3.7432	722.12	0.29046	740.08	0.056219
671.35	3.6449	722.61	0.27641	740.01	0.051534
672.10	3.5839	723.25	0.26704	739.52	0.060904
672.66	3.4762	724.11	0.24830	739.11	0.060904
673.34	3.3450	724.71	0.23893	739.03	0.056219
674.43	3.2794	725.43	0.22488	738.58	0.060904
675.33	3.1764	726.48	0.20614	737.94	0.065589
676.01	3.0592	727.83	0.19677	737.64	0.070273
677.28	2.9562	728.13	0.18740	737.26	0.074958
677.74	2.8672	729.30	0.17803	737.19	0.070273
678.67	2.7735	729.75	0.16397	736.44	0.074958
679.50	2.6798	730.73	0.15929	736.10	0.084328
680.48	2.5954	731.63	0.14523	735.91	0.084328
681.42	2.4924	732.38	0.13118	735.65	0.084328
681.91	2.4080	733.47	0.12649	734.86	0.079643
682.70	2.3612	734.26	0.12649	734.63	0.089013
683.52	2.2581	735.09	0.12181	734.60	0.089013
684.01	2.1878	735.50	0.11244	734.26	0.10307
684.73	2.1129	736.85	0.098383	734.00	0.093698
685.55	2.0379	737.49	0.098383	733.84	0.10307
686.57	1.9677	738.09	0.093698	733.24	0.098383

732.83	0.10775	708.63	0.54813	685.27	1.6303
732.64	0.11244	708.30	0.54813	684.74	1.6631
732.04	0.11244	707.92	0.56219	684.48	1.6819
731.67	0.11712	707.66	0.58093	683.91	1.7240
731.25	0.12181	707.24	0.59967	683.80	1.7381
730.58	0.12649	707.06	0.60435	683.65	1.7615
730.31	0.12649	706.72	0.61372	683.05	1.7849
730.09	0.13586	706.19	0.62778	682.37	1.8131
729.79	0.14523	705.89	0.63715	681.89	1.8412
729.49	0.14992	705.44	0.65120	681.62	1.8740
729.00	0.14523	704.95	0.66057	681.70	1.8927
728.66	0.15460	704.80	0.67931	681.28	1.9161
728.66	0.15929	704.28	0.68400	680.83	1.9442
728.06	0.14992	703.60	0.70274	680.65	1.9677
727.31	0.15929	703.30	0.71210	680.08	1.9958
727.34	0.16866	703.07	0.72148	679.71	2.0379
727.01	0.16866	702.55	0.74490	679.18	2.0567
726.44	0.17803	702.25	0.75427	679.22	2.0942
726.22	0.18740	701.72	0.77301	678.73	2.1269
725.80	0.18740	701.68	0.78238	678.50	2.1316
725.13	0.19208	701.42	0.79643	677.90	2.1504
724.71	0.19677	700.86	0.80580	677.64	2.1785
724.53	0.20614	700.44	0.82454	677.26	2.2113
724.07	0.21551	700.07	0.84328	677.00	2.2253
723.74	0.20614	699.84	0.86202	676.51	2.2581
723.32	0.22488	699.58	0.87608	676.70	2.2769
722.72	0.22488	698.94	0.89482	676.40	2.2956
722.57	0.23893	698.87	0.90887	676.44	2.3284
722.23	0.23893	698.68	0.92292	675.46	2.3706
721.90	0.23893	698.49	0.94166	674.79	2.3799
721.22	0.25767	697.85	0.95104	674.37	2.4268
721.07	0.26235	697.32	0.97446	674.22	2.4408
720.58	0.26235	697.10	0.98383	674.03	2.4736
720.24	0.27172	696.54	0.99320	673.36	2.5111
720.21	0.27641	696.08	1.0166	672.83	2.5298
719.79	0.29515	695.82	1.0260	672.76	2.5533
719.53	0.29046	695.56	1.0400	672.31	2.6001
719.08	0.30452	695.52	1.0635	671.63	2.6142
718.21	0.30452	694.96	1.0682	672.01	2.6517
717.73	0.30920	694.73	1.1010	671.25	2.6891
717.65	0.31389	694.06	1.1244	670.77	2.7126
717.16	0.33731	694.09	1.1525	670.73	2.7454
716.75	0.34200	693.30	1.1712	670.32	2.7781
716.26	0.34668	693.30	1.1806	669.71	2.8109
715.88	0.35137	692.89	1.2040	669.41	2.8250
715.66	0.35605	692.14	1.2228	669.04	2.8625
715.25	0.36542	691.95	1.2415	669.08	2.8859
715.09	0.37011	691.65	1.2696	668.55	2.9234
714.53	0.37948	691.09	1.2883	668.14	2.9468
714.23	0.38416	690.71	1.3165	667.65	2.9890
713.86	0.38885	690.26	1.3211	667.65	3.0030
713.14	0.40290	690.00	1.3446	667.12	3.0499
712.80	0.40759	689.59	1.3680	666.75	3.0780
712.65	0.42164	689.40	1.3914	667.09	3.1061
711.98	0.42633	688.98	1.4289	666.03	3.1483
711.94	0.43101	688.20	1.4383	665.81	3.1810
711.60	0.44975	687.97	1.4570	665.62	3.2092
711.38	0.45912	687.56	1.4757	665.09	3.2560
711.00	0.46849	687.18	1.5039	664.79	3.2794
710.02	0.48723	686.81	1.5320	664.72	3.3122
709.99	0.49191	686.54	1.5413	664.23	3.3497
709.72	0.49660	686.32	1.5741	663.97	3.3778
709.08	0.52002	685.90	1.6022	663.33	3.4106
708.75	0.53876	685.72	1.6210	662.76	3.4528

662.91	3.4715	644.36	6.1091	669.27	2.7219
662.84	3.5043	644.81	6.0810	669.80	2.6798
661.98	3.5652	644.47	6.0295	670.21	2.6517
661.64	3.6027	644.55	6.0014	670.51	2.6048
661.45	3.6355	645.15	5.9592	670.93	2.5626
660.70	3.6730	645.19	5.8936	671.23	2.5252
660.55	3.7104	646.39	5.8608	671.60	2.4971
660.40	3.7292	645.94	5.8186	671.75	2.4549
659.95	3.7807	647.10	5.7577	672.28	2.4127
659.46	3.8229	647.25	5.7249	672.73	2.3846
659.08	3.8604	646.95	5.6828	673.44	2.3518
658.75	3.9119	648.27	5.6359	673.78	2.3050
658.48	3.9306	648.27	5.5844	674.01	2.2722
658.22	3.9728	648.91	5.5469	674.42	2.2253
657.73	4.0150	648.98	5.4860	674.95	2.2206
657.51	4.0431	649.17	5.4298	675.29	2.1832
657.17	4.0665	649.32	5.4017	675.43	2.1410
657.92	4.0946	649.96	5.3033	676.00	2.1223
657.21	4.1321	649.51	5.2471	676.45	2.0942
657.02	4.1461	650.56	5.1721	677.13	2.0473
656.19	4.1930	651.09	5.1019	677.69	2.0239
656.23	4.2070	651.31	5.0410	678.03	1.9911
655.97	4.2445	651.73	4.9754	678.25	1.9442
655.40	4.3054	652.40	4.8864	678.44	1.9208
655.03	4.3804	652.74	4.8161	678.85	1.8880
654.31	4.4225	652.74	4.7739	679.34	1.8505
653.90	4.4741	653.30	4.6802	679.61	1.8412
653.49	4.5209	653.79	4.6193	679.61	1.7990
653.41	4.5537	654.51	4.5444	680.02	1.7615
652.92	4.6006	654.81	4.4881	680.88	1.7428
652.74	4.6427	655.44	4.4225	681.07	1.7100
652.10	4.6896	655.18	4.3570	681.60	1.6631
652.10	4.7224	655.52	4.2773	682.16	1.6491
651.65	4.7786	656.12	4.2305	682.42	1.6210
651.16	4.8114	656.27	4.2024	682.72	1.5882
650.97	4.8536	656.72	4.1274	683.25	1.5741
650.78	4.9051	657.51	4.0618	683.40	1.5366
650.22	4.9426	657.96	4.0103	683.78	1.5085
650.11	4.9988	658.11	3.9353	684.00	1.4851
649.39	5.0550	658.56	3.9025	684.34	1.4664
649.17	5.1019	658.94	3.8463	686.00	1.4242
648.75	5.1393	659.35	3.7713	685.18	1.4102
648.12	5.1909	659.77	3.7198	685.96	1.3867
648.08	5.2377	660.14	3.6730	686.56	1.3539
647.70	5.2986	660.78	3.6121	687.08	1.3399
647.33	5.3314	660.93	3.5652	687.38	1.3118
647.29	5.3829	661.46	3.5043	687.69	1.2883
647.25	5.4298	662.02	3.4481	688.02	1.2696
646.80	5.5141	662.17	3.4153	688.52	1.2509
646.91	5.5376	662.70	3.3638	688.85	1.2321
645.86	5.6031	663.33	3.3029	689.23	1.1993
645.34	5.6734	663.56	3.2513	689.64	1.1806
645.30	5.7156	664.12	3.2279	689.98	1.1572
645.22	5.7390	664.31	3.1717	690.24	1.1337
645.15	5.8140	664.99	3.1248	690.62	1.1056
644.59	5.8655	665.40	3.0827	691.37	1.0869
644.29	5.9123	665.74	3.0358	692.58	1.0682
643.53	5.9826	666.42	3.0030	691.93	1.0494
643.27	6.0295	666.94	2.9562	692.64	1.0260
642.78	6.0669	666.75	2.9093	691.99	0.99788
642.75	6.1232	667.32	2.8953	693.06	0.99320
642.82	6.1278	667.66	2.8531	694.07	0.96977
643.16	6.1372	668.63	2.8016	694.11	0.96040
643.91	6.1278	669.01	2.7688	694.45	0.93230

694.86	0.90419	720.49	0.23425	746.30	0.037479
696.07	0.89950	720.75	0.22019	746.41	0.032794
696.14	0.88545	721.20	0.21082	747.02	0.032794
690.96	0.86202	721.62	0.21082	747.31	0.042164
696.63	0.84797	721.95	0.20614	747.92	0.037479
696.89	0.82923	722.59	0.19677	748.41	0.032794
697.30	0.80580	722.89	0.19677	748.52	0.028109
697.49	0.78706	723.23	0.18740	749.12	0.023424
698.73	0.76832	723.80	0.17334	749.04	0.014055
698.39	0.76364	724.10	0.17803	749.72	0.028109
698.73	0.74021	724.62	0.17334	750.21	0.018740
699.15	0.72148	724.89	0.16866	752.54	0.0093700
699.48	0.72148	725.26	0.15460	752.20	0.0093700
700.05	0.70274	725.56	0.14523	751.94	0.014055
700.39	0.69336	726.01	0.14523	751.00	0.0046850
701.06	0.67931	726.43	0.13586	751.15	0.0046850
701.47	0.66994	726.69	0.13118	750.81	0.0093700
701.66	0.66526	726.59	0.12649	750.92	0.0046850
702.34	0.64652	727.97	0.13118	750.25	0.0093700
702.79	0.63246	728.23	0.12649	749.65	0.0000
702.87	0.61841	728.53	0.11244	748.86	0.0046850
703.62	0.59498	729.21	0.11712	748.33	0.0046850
703.62	0.59498	729.43	0.11244	747.65	0.0093700
704.18	0.57624	729.62	0.10775	747.09	0.014055
704.90	0.56687	730.26	0.10775	747.13	0.0046850
705.23	0.55750	730.52	0.10775	746.87	0.014055
705.16	0.54345	730.56	0.10307	746.19	0.0093700
705.65	0.52939	731.50	0.10775	746.00	0.0093700
706.10	0.52939	731.76	0.093698	745.51	0.014055
707.08	0.51534	732.59	0.089013	745.25	0.0093700
706.89	0.50597	732.89	0.084328	744.35	0.018740
707.30	0.49660	732.93	0.084328	743.82	0.014055
707.86	0.48723	733.34	0.079643	743.82	0.0093700
708.35	0.47786	733.71	0.074958	742.92	0.014055
708.54	0.47317	734.09	0.079643	742.39	0.023424
708.95	0.46380	734.47	0.079643	742.09	0.014055
709.87	0.44506	734.92	0.070273	741.49	0.023424
707.70	0.43570	735.41	0.070273	741.45	0.023424
708.49	0.42633	735.56	0.065589	741.42	0.023424
710.84	0.40759	736.12	0.060904	741.27	0.023424
710.68	0.40290	736.27	0.065589	740.74	0.028109
711.28	0.39353	736.95	0.056219	740.51	0.032794
712.42	0.39353	737.17	0.056219	740.02	0.032794
712.22	0.37479	737.43	0.060904	739.69	0.032794
712.60	0.37011	738.30	0.056219	739.16	0.037479
713.01	0.36074	738.56	0.056219	739.01	0.037479
713.54	0.34200	739.28	0.051534	738.37	0.037479
713.80	0.34200	739.24	0.051534	738.26	0.042164
714.33	0.32794	739.54	0.060904	738.15	0.042164
714.51	0.32794	739.88	0.051534	737.36	0.042164
715.12	0.32794	740.40	0.060904	736.83	0.046849
715.57	0.31857	741.27	0.056219	736.64	0.046849
716.13	0.30920	741.34	0.056219	735.97	0.051534
716.06	0.30452	741.87	0.060904	735.82	0.046849
716.73	0.29983	742.24	0.051534	735.74	0.042164
717.11	0.29983	742.51	0.060904	734.95	0.042164
717.56	0.29515	742.88	0.051534	734.65	0.046849
718.20	0.27172	743.67	0.046849	734.35	0.046849
718.01	0.26235	743.93	0.042164	733.60	0.060904
718.84	0.26704	744.20	0.051534	733.18	0.060904
719.14	0.25767	744.46	0.051534	732.96	0.060904
719.66	0.24830	744.84	0.032794	733.00	0.070273
720.19	0.23893	745.51	0.037479	732.66	0.060904
720.38	0.23425	745.77	0.037479	732.06	0.065589

731.64	0.065589	708.46	0.39353	685.02	1.2696
731.31	0.070273	707.60	0.40290	684.38	1.2837
731.04	0.065589	707.37	0.41227	684.61	1.3024
730.40	0.074958	707.37	0.42633	683.55	1.3305
730.07	0.070273	706.77	0.44038	683.82	1.3493
729.69	0.070273	705.98	0.44506	683.25	1.3680
729.20	0.074958	705.87	0.45443	683.18	1.3820
729.28	0.074958	705.57	0.46380	683.14	1.4195
728.75	0.079643	704.82	0.47786	682.80	1.4242
728.19	0.084328	704.78	0.47786	682.35	1.4523
728.30	0.084328	704.18	0.49191	681.68	1.4804
727.74	0.089013	704.03	0.50128	681.34	1.4945
727.40	0.084328	703.73	0.51065	681.26	1.5132
726.83	0.089013	703.69	0.52002	680.96	1.5273
726.57	0.093698	703.13	0.54345	680.36	1.5601
726.01	0.10775	702.75	0.54813	680.21	1.5741
725.82	0.10307	702.30	0.55750	679.76	1.5929
725.26	0.10307	702.23	0.56219	679.50	1.6116
724.77	0.11244	701.70	0.58093	678.97	1.6444
724.20	0.11712	701.59	0.59030	679.08	1.6491
724.17	0.12181	701.21	0.59967	678.60	1.6678
723.94	0.12181	701.17	0.61841	678.63	1.6959
723.45	0.13118	700.72	0.62309	677.96	1.7240
722.96	0.13118	700.27	0.64183	677.77	1.7428
722.78	0.13118	699.71	0.65589	677.32	1.7615
722.74	0.14523	699.44	0.66057	676.60	1.7943
722.44	0.14523	699.11	0.66994	676.12	1.8037
721.61	0.15460	699.03	0.68400	675.67	1.8271
721.42	0.15929	698.81	0.70274	675.33	1.8505
720.97	0.16397	697.94	0.70742	675.37	1.8646
720.37	0.16866	697.79	0.72148	674.84	1.8833
720.41	0.16397	697.42	0.73084	674.54	1.9161
720.18	0.17334	697.19	0.74958	674.31	1.9395
719.88	0.18271	696.89	0.75895	674.46	1.9489
719.39	0.18271	696.55	0.77769	673.86	1.9911
719.21	0.18740	695.91	0.77769	673.75	2.0192
718.64	0.19677	695.46	0.80112	673.38	2.0426
718.04	0.20145	695.05	0.81049	672.74	2.0801
717.74	0.20614	694.86	0.82923	672.47	2.0988
717.59	0.21082	694.37	0.83860	671.95	2.1363
717.07	0.22488	693.88	0.84797	671.42	2.1504
716.65	0.22956	693.89	0.85734	671.08	2.1832
716.31	0.23893	693.36	0.87608	670.82	2.2019
715.98	0.23893	692.91	0.88076	670.71	2.2394
715.41	0.24362	692.38	0.89013	670.11	2.2581
715.00	0.24362	692.42	0.90419	669.58	2.2862
714.81	0.25299	692.19	0.92761	669.47	2.3237
714.59	0.25767	691.18	0.96509	669.05	2.3518
714.32	0.26704	691.11	0.98383	668.72	2.3706
713.76	0.26704	691.14	0.99320	668.23	2.3940
712.53	0.27172	689.94	1.0213	667.55	2.4361
713.16	0.28578	689.45	1.0354	667.36	2.4596
712.63	0.28578	689.23	1.0494	667.10	2.5017
712.78	0.29046	689.15	1.0682	666.80	2.5252
712.26	0.29983	688.74	1.0775	666.24	2.5486
711.73	0.30920	688.51	1.1010	666.12	2.5814
711.43	0.31857	687.84	1.1150	665.79	2.6048
711.28	0.32326	687.50	1.1384	665.67	2.6376
710.72	0.33263	687.24	1.1572	664.85	2.6704
710.53	0.33263	686.86	1.1759	664.66	2.6985
709.82	0.35137	686.67	1.1993	664.40	2.7266
709.44	0.35137	685.66	1.2040	664.06	2.7735
709.29	0.37011	685.43	1.2415	663.95	2.7922
709.14	0.37948	685.40	1.2509	663.61	2.8203

663.20	2.8531	640.10	5.3548	627.64	7.6832
662.37	2.8953	639.98	5.4017	628.28	7.6223
662.18	2.9281	639.72	5.4579	628.20	7.5708
661.73	2.9655	639.35	5.5048	628.09	7.5146
661.35	2.9843	639.27	5.5469	628.54	7.4584
660.98	3.0264	638.37	5.5844	628.16	7.4021
660.56	3.0639	638.41	5.6312	629.21	7.3366
660.15	3.0920	637.80	5.6922	629.44	7.2757
660.04	3.1155	637.62	5.7296	629.55	7.1960
659.59	3.1576	637.39	5.7812	630.04	7.1210
659.29	3.1998	636.83	5.8186	630.38	7.0508
659.21	3.2279	636.83	5.8468	630.68	6.9383
658.84	3.2747	636.49	5.8936	630.83	6.8962
658.84	3.2888	636.38	5.9264	631.54	6.8072
658.50	3.3310	635.52	5.9732	631.88	6.6994
658.09	3.3497	635.52	6.0060	631.84	6.6291
657.19	3.3825	635.33	6.0482	632.14	6.5589
656.85	3.4153	634.95	6.0810	632.51	6.4558
656.47	3.4528	634.62	6.1278	633.15	6.3902
656.21	3.4668	633.94	6.1513	633.38	6.3106
655.38	3.4809	633.71	6.1841	634.09	6.2122
655.16	3.5043	633.15	6.2590	634.13	6.1653
654.89	3.5371	632.85	6.3012	634.32	6.0904
654.52	3.5652	632.85	6.3387	635.37	5.9920
654.56	3.5933	632.36	6.4417	635.41	5.9358
654.22	3.6355	632.06	6.5448	636.20	5.8608
653.84	3.6683	631.73	6.6291	636.08	5.7812
653.35	3.7151	631.39	6.6994	636.57	5.6875
652.94	3.7667	630.82	6.7603	636.53	5.6172
652.60	3.8088	630.49	6.8212	637.06	5.5422
652.15	3.8604	630.26	6.9009	637.40	5.4626
651.85	3.9072	630.15	6.9430	637.40	5.4064
651.66	3.9447	629.40	7.0039	638.52	5.3267
650.95	3.9869	629.21	7.0648	639.24	5.2565
650.99	4.0243	629.25	7.0929	639.24	5.1862
650.88	4.0665	628.65	7.1492	639.95	5.1065
650.24	4.1040	628.42	7.2288	639.84	5.0456
649.75	4.1602	628.46	7.2803	640.78	4.9988
649.18	4.2024	628.09	7.3412	640.78	4.9145
649.11	4.2445	627.45	7.3975	641.45	4.8489
648.81	4.2820	626.73	7.4724	641.79	4.8067
648.28	4.3148	626.70	7.5146	642.17	4.7224
648.40	4.3523	626.06	7.5849	642.54	4.6708
647.64	4.3944	626.28	7.6364	642.39	4.6053
647.42	4.4460	625.76	7.7020	642.96	4.5350
647.23	4.4881	625.42	7.7582	643.14	4.4928
646.41	4.5350	624.97	7.8238	643.41	4.4413
646.37	4.5631	624.97	7.8753	644.05	4.3757
646.07	4.6053	624.97	7.9503	644.87	4.3195
645.62	4.6568	624.22	8.0205	644.34	4.2586
645.17	4.6990	624.22	8.0580	645.02	4.2117
644.83	4.7411	623.96	8.1049	645.59	4.1602
644.45	4.7833	624.64	8.1470	645.77	4.0946
644.19	4.8254	624.67	8.1611	646.19	4.0384
644.08	4.8676	623.51	8.1658	646.49	4.0103
643.81	4.9285	624.90	8.1470	646.86	3.9541
643.48	4.9707	625.42	8.1330	647.43	3.8932
643.06	4.9988	625.09	8.1096	647.76	3.8369
642.80	5.0691	626.10	8.0580	648.29	3.7854
642.58	5.1112	626.25	7.9924	648.29	3.7339
641.86	5.1440	625.80	7.9315	649.27	3.6823
641.94	5.2190	625.87	7.8566	649.61	3.6402
641.11	5.2565	626.47	7.8004	649.83	3.5886
640.85	5.3033	627.11	7.7441	650.13	3.5512

650.43	3.4996	675.60	1.3446	700.43	0.39822
650.99	3.4434	676.35	1.3211	700.77	0.38885
651.37	3.4059	676.28	1.3024	701.52	0.37948
651.90	3.3684	677.03	1.2743	702.35	0.36542
652.20	3.3216	677.67	1.2509	702.39	0.36074
652.95	3.2701	677.59	1.2321	702.65	0.35137
653.06	3.2279	678.19	1.2134	703.06	0.34668
653.70	3.1764	678.42	1.1900	702.87	0.34200
654.19	3.1436	678.68	1.1712	703.70	0.32326
654.64	3.0873	679.28	1.1478	704.00	0.32326
654.68	3.0452	679.56	1.1244	704.12	0.31857
654.94	3.0030	679.77	1.1056	704.94	0.31389
655.24	2.9749	680.41	1.0869	705.36	0.30452
655.65	2.9140	680.67	1.0728	705.81	0.29983
656.10	2.8906	680.97	1.0494	705.92	0.29515
656.78	2.8437	682.33	1.0354	706.29	0.28109
657.31	2.8016	682.10	1.0213	706.63	0.28578
657.57	2.7594	682.36	0.99788	706.93	0.28109
658.06	2.7313	683.04	0.98851	707.23	0.27172
658.47	2.6844	683.30	0.96509	707.57	0.25767
658.69	2.6470	683.68	0.95572	708.44	0.25767
659.15	2.6048	683.98	0.93698	708.51	0.25299
659.71	2.5626	684.05	0.91356	709.04	0.23893
659.63	2.5392	684.32	0.89950	709.30	0.23425
660.27	2.4971	684.99	0.88076	709.45	0.22956
660.57	2.4502	685.18	0.86671	710.09	0.22488
661.02	2.4221	686.08	0.86202	711.18	0.22488
661.25	2.3893	686.25	0.84328	711.12	0.21551
662.15	2.3518	685.72	0.81986	711.49	0.21551
662.23	2.3190	686.98	0.81049	712.87	0.20614
662.64	2.2815	687.40	0.79175	712.34	0.20145
663.17	2.2394	686.88	0.77769	712.12	0.19208
663.47	2.2160	688.37	0.76832	712.42	0.19677
663.69	2.1925	688.64	0.74958	714.64	0.19208
664.29	2.1504	688.67	0.73084	713.43	0.18740
664.67	2.1129	689.31	0.72616	714.86	0.18740
665.27	2.0848	689.50	0.71210	714.56	0.16866
665.53	2.0567	690.44	0.70274	714.82	0.17803
666.13	2.0286	690.70	0.68400	715.31	0.16866
666.17	1.9958	691.15	0.66994	715.72	0.17334
667.00	1.9536	691.34	0.65589	715.69	0.17803
667.11	1.9442	691.83	0.65120	716.21	0.16866
667.67	1.9114	692.36	0.63246	716.59	0.16397
667.75	1.8693	692.77	0.61841	716.85	0.15929
668.31	1.8459	692.66	0.61372	717.49	0.15460
668.20	1.8177	693.33	0.59967	718.17	0.14523
669.14	1.7849	694.20	0.57624	718.17	0.14992
669.33	1.7568	694.46	0.57624	718.43	0.14055
668.85	1.7334	694.61	0.56219	719.18	0.14055
669.96	1.7053	694.72	0.55282	719.52	0.13586
670.45	1.6819	695.32	0.53408	720.08	0.13118
670.83	1.6631	695.77	0.52471	720.20	0.13118
671.20	1.6303	696.04	0.50597	721.40	0.13118
671.81	1.5929	696.45	0.50128	721.25	0.12649
671.73	1.5929	697.20	0.48723	721.89	0.12181
672.33	1.5601	697.46	0.47786	722.26	0.11712
673.08	1.5320	697.73	0.46380	722.22	0.11244
672.71	1.5132	697.95	0.45443	722.94	0.10775
673.23	1.4851	697.99	0.44975	722.90	0.10775
673.95	1.4664	698.74	0.44975	723.73	0.10307
673.91	1.4476	698.89	0.43101	724.10	0.10307
674.77	1.4102	699.31	0.42164	724.55	0.089013
675.19	1.3961	699.57	0.40759	724.78	0.084328
675.37	1.3680	700.24	0.39822	725.27	0.089013

725.61	0.093698	748.22	-0.037479	723.98	0.037479
725.98	0.093698	749.20	-0.037479	723.68	0.042164
726.17	0.084328	747.96	-0.042164	723.23	0.042164
726.36	0.084328	747.40	-0.042164	722.97	0.042164
726.69	0.084328	747.32	-0.037479	722.67	0.046849
727.00	0.065589	747.28	-0.037479	722.29	0.046849
728.61	0.070273	746.53	-0.037479	721.73	0.056219
729.66	0.070273	746.08	-0.032794	721.39	0.046849
729.81	0.070273	745.48	-0.037479	721.32	0.051534
730.34	0.060904	744.58	-0.028109	721.02	0.056219
729.14	0.056219	744.13	-0.037479	720.72	0.060904
729.10	0.056219	744.01	-0.032794	720.19	0.060904
731.28	0.046849	743.41	-0.037479	719.93	0.065589
731.09	0.042164	743.11	-0.037479	719.36	0.074958
732.37	0.037479	742.77	-0.028109	719.21	0.074958
732.71	0.042164	742.59	-0.028109	718.72	0.079643
731.69	0.037479	741.87	-0.023424	718.39	0.074958
733.65	0.032794	741.76	-0.037479	718.01	0.079643
733.46	0.037479	741.08	-0.028109	717.60	0.093698
734.55	0.032794	740.89	-0.037479	717.48	0.089013
734.77	0.037479	740.48	-0.028109	716.96	0.098383
735.26	0.028109	739.92	-0.023424	717.03	0.10307
735.68	0.028109	740.22	-0.032794	716.47	0.093698
735.90	0.023424	739.54	-0.023424	716.06	0.10775
736.39	0.023424	738.90	-0.028109	715.49	0.11244
736.65	0.028109	738.53	-0.028109	714.93	0.11244
737.10	0.018740	738.38	-0.028109	714.40	0.12181
737.33	0.018740	737.89	-0.018740	714.07	0.12649
737.93	0.023424	737.36	-0.023424	713.99	0.12649
738.31	0.023424	736.99	-0.014055	713.24	0.13118
738.68	0.014055	736.50	-0.023424	713.28	0.13118
739.17	0.0093700	735.93	-0.0093700	712.83	0.14523
739.62	0.0093700	735.86	-0.0093700	712.64	0.14055
739.88	0.0093700	735.52	-0.0093700	711.96	0.14992
740.52	0.0093700	735.26	-0.014055	711.59	0.15929
740.71	0.0046850	734.99	-0.014055	711.47	0.15460
741.12	0.0000	734.73	-0.0093700	711.21	0.16397
740.75	-0.0046850	734.09	-0.0046850	710.80	0.17803
741.95	-0.0093700	733.90	-0.0093700	710.42	0.17803
742.33	0.0000	733.38	-0.0046850	710.27	0.19208
742.85	-0.0046850	732.97	0.0000	709.63	0.19677
743.00	-0.0046850	732.63	-0.0046850	709.37	0.20145
742.96	-0.0093700	732.66	0.0000	708.81	0.21082
743.83	-0.0093700	732.18	0.0000	708.51	0.22019
744.17	-0.018740	731.73	0.0000	707.94	0.21082
744.58	-0.014055	731.24	0.0000	707.42	0.22488
744.99	-0.023424	730.82	0.0093700	707.12	0.22956
745.48	-0.023424	730.49	0.0093700	707.00	0.23425
745.82	-0.028109	730.03	0.0046850	706.40	0.24830
746.34	-0.018740	729.70	0.014055	706.21	0.25299
746.65	-0.032794	729.21	0.0093700	705.84	0.26704
747.02	-0.032794	728.94	0.014055	705.54	0.27172
747.43	-0.023424	728.53	0.018740	705.39	0.28109
747.73	-0.028109	728.23	0.023424	704.49	0.28578
748.15	-0.032794	728.12	0.014055	704.45	0.29515
748.64	-0.028109	727.59	0.018740	704.07	0.29515
748.86	-0.032794	726.84	0.023424	703.58	0.29983
749.43	-0.042164	726.62	0.014055	703.25	0.30920
749.76	-0.042164	726.13	0.028109	702.76	0.31389
749.99	-0.037479	726.20	0.023424	702.27	0.33263
749.42	-0.032794	725.38	0.028109	702.34	0.32326
748.56	-0.042164	725.07	0.028109	701.78	0.33731
748.97	-0.056219	724.70	0.037479	701.37	0.34200
748.63	-0.042164	724.17	0.037479	701.18	0.34200

700.58	0.34200	678.42	1.0775	655.99	2.4502
700.50	0.34668	678.26	1.0869	655.50	2.4783
700.05	0.36074	677.74	1.0916	655.43	2.5158
699.49	0.37011	677.51	1.1103	654.86	2.5392
699.04	0.37479	677.29	1.1244	654.75	2.5626
698.81	0.37479	676.35	1.1478	654.22	2.5907
698.32	0.39822	676.09	1.1712	653.74	2.6142
698.14	0.39822	675.75	1.1853	653.40	2.6470
697.57	0.39822	675.48	1.2040	653.13	2.6751
697.20	0.41227	675.11	1.2228	653.06	2.7126
696.97	0.41227	674.73	1.2321	652.91	2.7407
696.56	0.42633	674.88	1.2509	652.31	2.7641
696.11	0.43570	674.51	1.2696	652.01	2.7969
695.96	0.44038	673.91	1.2883	651.56	2.8250
695.62	0.44975	673.38	1.3071	651.45	2.8531
695.43	0.45443	673.19	1.3305	650.69	2.8953
694.98	0.46849	672.89	1.3399	650.69	2.9234
694.76	0.48254	672.56	1.3539	649.87	2.9609
694.42	0.48723	672.14	1.3680	649.87	2.9843
694.27	0.49660	671.65	1.4055	649.12	3.0218
693.70	0.51065	671.39	1.4242	648.74	3.0452
693.03	0.52002	671.09	1.4617	648.33	3.0780
692.73	0.53876	671.24	1.4851	648.25	3.1108
692.20	0.54345	670.30	1.4992	647.99	3.1389
691.90	0.55750	669.92	1.5226	647.46	3.1857
691.75	0.56687	669.78	1.5460	647.31	3.2092
691.26	0.57624	669.44	1.5648	647.01	3.2420
690.89	0.58561	668.95	1.5835	646.26	3.2841
690.62	0.60435	668.65	1.6022	645.89	3.3122
690.25	0.62309	668.23	1.6163	645.32	3.3403
689.91	0.64183	667.82	1.6397	645.02	3.3872
689.68	0.63715	667.71	1.6491	644.87	3.4247
689.23	0.66526	667.30	1.6866	644.68	3.4481
688.93	0.66994	667.18	1.6959	644.08	3.4856
688.41	0.67931	666.69	1.7240	643.93	3.5277
688.60	0.69336	666.32	1.7522	643.52	3.5605
687.84	0.70742	665.79	1.7709	643.14	3.5933
687.50	0.71679	665.23	1.8037	642.58	3.6308
687.58	0.72148	665.08	1.8131	642.62	3.6589
687.09	0.73084	664.82	1.8459	642.24	3.7104
686.75	0.74021	664.44	1.8693	641.94	3.7292
686.68	0.75427	664.37	1.8786	641.49	3.7620
686.27	0.76364	663.54	1.9021	641.08	3.8088
685.85	0.76832	662.98	1.9395	640.97	3.8510
685.29	0.79175	663.31	1.9536	640.59	3.8791
685.33	0.79643	662.86	1.9677	640.44	3.9259
684.76	0.81517	662.19	2.0005	639.91	3.9634
684.50	0.82923	661.81	2.0239	639.61	4.0009
683.67	0.82923	661.77	2.0520	639.35	4.0431
683.18	0.85265	661.36	2.0754	639.16	4.0712
682.85	0.85734	660.65	2.0942	638.68	4.1133
682.66	0.88076	660.46	2.1082	638.30	4.1742
682.10	0.89013	659.97	2.1457	637.93	4.1930
681.68	0.89950	659.86	2.1691	637.70	4.2305
681.80	0.91356	659.41	2.1785	637.55	4.2820
681.23	0.92761	658.96	2.2160	636.84	4.3195
680.74	0.95104	658.58	2.2488	636.65	4.3523
680.48	0.96040	658.35	2.2534	636.12	4.3991
680.63	0.97446	657.90	2.3003	636.09	4.4319
680.29	0.98851	657.60	2.3237	635.22	4.4788
679.62	1.0073	657.75	2.3424	635.07	4.5209
679.05	1.0166	657.15	2.3706	634.73	4.5584
678.83	1.0447	656.74	2.3987	634.58	4.6006
678.83	1.0447	656.33	2.4221	634.28	4.6615

633.79	4.7083	614.09	7.8004	615.26	7.7254
633.61	4.7411	614.28	7.8706	615.07	7.6504
633.35	4.7973	613.61	7.9550	615.60	7.5614
632.97	4.8348	611.66	7.9878	615.90	7.4818
632.56	4.8864	612.74	8.0861	616.58	7.3834
631.96	4.9145	612.59	8.1424	616.84	7.2897
631.81	4.9613	612.25	8.1892	617.55	7.2007
631.09	4.9988	611.69	8.2782	617.14	7.1070
630.90	5.0644	611.96	8.3579	617.82	7.0227
630.83	5.0784	611.32	8.4328	618.15	6.9196
630.45	5.1440	610.72	8.5640	619.21	6.8306
630.42	5.1909	610.83	8.6108	619.05	6.7744
629.78	5.2283	610.30	8.7327	619.69	6.6760
629.70	5.2658	607.98	8.8357	619.77	6.6057
629.14	5.3033	607.53	8.8826	620.52	6.5214
626.11	5.3736	609.29	8.9528	620.97	6.4183
628.58	5.4064	608.84	9.0278	620.78	6.3715
628.01	5.4673	608.61	9.0840	621.23	6.3012
627.71	5.5048	608.20	9.1168	620.82	6.1981
627.72	5.5516	604.98	9.1871	620.93	6.1325
627.30	5.6031	605.94	9.2574	621.15	6.0623
627.00	5.6547	605.61	9.3183	621.68	5.9826
626.70	5.7109	605.04	9.4213	622.39	5.9358
626.10	5.7718	604.85	9.4916	622.99	5.8655
625.99	5.8140	604.52	9.5619	623.45	5.7812
625.50	5.8655	604.22	9.6368	623.44	5.7109
625.20	5.9123	603.88	9.7071	623.82	5.6547
625.39	5.9686	603.39	9.7774	624.01	5.5703
624.83	6.0154	603.32	9.8430	623.74	5.5235
624.53	6.0763	603.99	9.9179	624.72	5.4673
624.19	6.1091	602.79	9.9835	625.36	5.3829
624.04	6.1560	602.68	10.077	625.70	5.3267
622.58	6.2356	602.08	10.105	625.85	5.2705
623.03	6.2778	602.12	10.157	626.07	5.1909
623.21	6.3059	602.34	10.180	626.56	5.1440
622.80	6.3715	602.98	10.176	626.48	5.0878
622.42	6.4277	603.05	10.166	627.08	5.0175
622.24	6.4652	603.20	10.133	627.57	4.9660
621.82	6.5495	604.22	10.073	627.42	4.9145
621.64	6.5917	604.03	10.044	628.81	4.8442
620.66	6.6572	605.50	9.9320	629.00	4.7927
620.74	6.7275	604.71	9.8523	629.41	4.7364
620.81	6.7790	605.23	9.7633	629.45	4.6943
620.44	6.8353	606.51	9.6743	629.26	4.6381
619.72	6.8915	607.56	9.5947	629.90	4.5865
619.91	6.9337	607.75	9.5244	630.65	4.5303
619.69	6.9805	607.60	9.4166	630.65	4.4788
618.97	7.0414	607.75	9.3604	630.69	4.4272
618.86	7.0883	608.76	9.2667	631.14	4.3663
615.35	7.1445	609.59	9.1496	631.33	4.3382
612.24	7.2007	609.59	9.0653	631.63	4.2914
617.25	7.2569	610.12	9.0044	632.30	4.2351
617.96	7.3131	610.49	8.8826	632.56	4.1836
617.51	7.3553	610.91	8.7748	632.75	4.1461
617.21	7.3928	611.39	8.6952	633.13	4.0899
616.95	7.4256	611.43	8.5781	633.58	4.0431
616.61	7.4677	611.88	8.4937	633.84	4.0103
616.42	7.4912	611.77	8.4000	634.78	3.9494
616.38	7.5146	612.41	8.2782	635.42	3.9072
613.28	7.5567	612.67	8.1939	635.61	3.8697
613.16	7.5849	613.31	8.1424	635.98	3.8041
613.27	7.6364	613.95	8.0065	635.98	3.7620
615.07	7.7020	614.17	7.9128	636.21	3.7198
614.54	7.7629	614.70	7.8285	637.03	3.6683

637.67	3.6308	662.27	1.4992	686.39	0.45443
638.08	3.5933	662.80	1.4711	687.14	0.44038
638.80	3.5465	663.14	1.4570	687.22	0.44038
638.46	3.5043	663.51	1.4242	683.79	0.43101
639.10	3.4575	663.85	1.3914	681.73	0.42633
639.17	3.4012	664.11	1.3774	683.61	0.41696
639.59	3.3731	664.83	1.3539	681.59	0.39822
639.81	3.3356	665.77	1.3305	689.66	0.39822
640.41	3.2888	665.39	1.3118	685.74	0.37948
640.52	3.2513	665.81	1.2883	675.54	0.37948
641.09	3.2279	665.99	1.2696	690.18	0.37479
641.31	3.1623	666.52	1.2462	690.86	0.36074
642.14	3.1295	667.01	1.2274	691.05	0.35605
642.10	3.1014	667.54	1.1993	691.57	0.34668
642.55	3.0592	667.91	1.1853	691.72	0.33731
642.93	3.0171	668.43	1.1572	691.58	0.32794
643.27	2.9749	669.00	1.1244	692.78	0.31857
643.94	2.9281	668.88	1.1244	692.93	0.31857
644.02	2.9000	669.37	1.1010	693.08	0.30452
644.54	2.8765	670.16	1.0682	693.53	0.29983
644.69	2.8297	670.46	1.0494	694.09	0.29983
645.45	2.7828	670.91	1.0400	694.50	0.29046
645.75	2.7594	670.91	1.0119	694.50	0.28578
646.05	2.7126	671.25	1.0026	694.92	0.27172
646.84	2.6798	672.12	0.99320	695.41	0.27172
646.91	2.6470	672.75	0.96977	695.97	0.25767
647.47	2.5954	672.04	0.94635	696.08	0.25767
648.08	2.5673	672.38	0.93230	696.49	0.25299
648.07	2.5392	673.05	0.91356	697.02	0.25299
648.41	2.5064	672.46	0.90419	697.21	0.23425
648.94	2.4783	673.99	0.88545	697.62	0.22956
649.39	2.4502	673.99	0.86671	697.96	0.22488
649.28	2.4080	674.48	0.85265	698.41	0.21551
650.48	2.3799	674.82	0.84797	699.35	0.21551
650.37	2.3471	675.23	0.81986	699.09	0.20614
650.85	2.3050	675.38	0.81517	699.76	0.21082
651.42	2.2722	675.91	0.80112	700.33	0.20145
651.64	2.2534	676.36	0.78238	698.09	0.20145
652.06	2.2113	676.89	0.76832	700.78	0.19677
652.17	2.1785	677.00	0.74958	700.98	0.18271
652.96	2.1551	677.52	0.73084	702.62	0.18740
653.03	2.1223	677.82	0.72616	701.72	0.17803
653.71	2.0942	677.04	0.71210	702.24	0.16866
653.97	2.0660	678.73	0.69336	702.66	0.17334
654.31	2.0332	679.70	0.67931	702.92	0.16397
654.87	1.9958	679.74	0.66994	703.44	0.16397
655.29	1.9770	680.12	0.65120	703.97	0.15929
655.96	1.9395	680.57	0.63715	703.93	0.15460
656.30	1.9208	681.21	0.63246	704.14	0.14992
656.34	1.8927	681.62	0.61372	704.61	0.14523
656.90	1.8646	681.81	0.60904	704.95	0.14523
657.17	1.8318	681.81	0.59030	705.25	0.14055
657.77	1.8084	682.29	0.57624	705.81	0.14055
658.25	1.7709	682.59	0.57156	706.11	0.12649
658.97	1.7522	682.59	0.56219	706.11	0.13118
659.01	1.7287	683.31	0.54813	706.98	0.12181
659.46	1.6959	683.65	0.54345	707.16	0.11712
659.38	1.6678	683.65	0.53408	707.39	0.11712
659.64	1.6397	684.10	0.52471	708.07	0.11712
660.28	1.6069	684.89	0.50597	708.63	0.10307
660.21	1.5929	685.34	0.49191	708.67	0.10307
661.15	1.5694	685.45	0.46849	709.49	0.10775
661.11	1.5413	685.64	0.47317	709.76	0.093698
661.63	1.5320	685.27	0.46380	710.13	0.089013

710.85	0.093698	704.16	0.10307	680.26	0.50128
706.00	0.089013	704.08	0.10775	680.00	0.52002
694.99	0.093698	703.63	0.10775	680.37	0.52471
707.80	0.079643	703.71	0.11244	679.25	0.55282
712.84	0.079643	703.03	0.11712	679.58	0.54813
704.82	0.079643	702.77	0.12649	678.57	0.56687
712.57	0.074958	702.28	0.12181	678.12	0.57156
714.75	0.070273	701.83	0.13118	678.46	0.59030
712.59	0.070273	701.75	0.13118	678.12	0.59030
714.01	0.070273	701.53	0.14055	677.78	0.61372
714.08	0.070273	700.74	0.14055	676.47	0.62309
714.30	0.060904	700.40	0.14992	676.28	0.63246
710.66	0.060904	699.84	0.14992	676.13	0.64183
715.50	0.056219	699.61	0.15460	675.94	0.65589
715.77	0.060904	699.35	0.15460	675.41	0.66526
715.84	0.056219	698.82	0.15929	675.19	0.67931
717.57	0.051534	698.93	0.16397	674.78	0.68868
717.72	0.051534	698.45	0.16866	674.48	0.69336
717.53	0.046849	698.18	0.16866	674.33	0.70742
719.26	0.042164	697.84	0.19208	673.69	0.71210
717.53	0.042164	696.83	0.18740	673.42	0.74021
718.36	0.046849	696.60	0.19677	672.97	0.74958
718.62	0.046849	696.42	0.20145	672.48	0.76364
719.30	0.042164	696.12	0.20145	672.33	0.76832
720.43	0.032794	695.55	0.20614	671.96	0.78238
719.71	0.023424	695.14	0.21082	671.70	0.80112
719.86	0.018740	694.95	0.22488	671.40	0.81049
719.38	0.028109	694.50	0.23425	671.28	0.81986
718.70	0.023424	694.35	0.22488	670.98	0.84328
718.14	0.023424	693.67	0.23893	670.42	0.85265
718.44	0.028109	693.15	0.24830	669.89	0.86202
717.20	0.023424	692.70	0.24830	669.44	0.87139
717.27	0.028109	692.21	0.26235	669.07	0.89482
716.71	0.028109	692.13	0.26235	668.65	0.89950
716.52	0.028109	691.72	0.26235	668.65	0.92292
715.28	0.028109	691.12	0.26704	668.69	0.93230
714.72	0.032794	690.78	0.28109	667.64	0.94635
714.42	0.032794	690.71	0.28578	667.79	0.96977
714.68	0.042164	690.14	0.29983	667.00	0.97914
714.04	0.032794	690.22	0.30920	666.66	0.99788
713.66	0.028109	689.88	0.31857	666.62	1.0119
713.14	0.037479	689.39	0.31389	666.17	1.0260
712.88	0.032794	688.90	0.31857	665.87	1.0400
712.39	0.042164	688.38	0.33263	665.50	1.0588
712.39	0.046849	687.85	0.33731	665.20	1.0728
711.86	0.046849	687.32	0.34200	665.09	1.0869
711.45	0.056219	686.99	0.35605	664.26	1.1056
711.11	0.051534	686.69	0.35137	664.15	1.1197
710.43	0.051534	685.90	0.37011	663.58	1.1478
709.72	0.060904	685.97	0.37479	663.36	1.1665
709.76	0.060904	685.14	0.38885	662.94	1.1853
709.53	0.065589	684.99	0.39822	662.68	1.2040
709.42	0.065589	684.62	0.40290	662.42	1.2134
708.63	0.070273	684.17	0.41227	661.78	1.2321
708.55	0.079643	683.94	0.41696	661.82	1.2509
708.18	0.074958	683.75	0.42164	661.14	1.2696
707.16	0.074958	683.53	0.43101	660.61	1.2837
706.90	0.079643	682.78	0.44038	660.28	1.3071
706.45	0.074958	682.55	0.44038	659.86	1.3211
706.22	0.093698	681.84	0.45912	659.86	1.3446
705.59	0.093698	682.06	0.45912	659.07	1.3633
705.44	0.098383	681.35	0.46849	658.55	1.3774
705.25	0.093698	680.86	0.49191	658.66	1.3961
704.65	0.10775	680.49	0.49660	658.13	1.4055

657.87	1.4336	636.47	3.1061	616.95	5.6219
657.57	1.4570	636.17	3.1436	616.06	5.6640
657.87	1.4664	635.45	3.1904	616.32	5.7015
657.01	1.4945	635.45	3.2138	615.64	5.7484
656.63	1.5085	635.42	3.2513	615.23	5.8093
656.33	1.5273	635.08	3.2935	615.23	5.8561
655.96	1.5601	634.55	3.3169	615.11	5.8983
655.69	1.5741	633.88	3.3497	615.15	5.9498
655.39	1.5835	634.03	3.3778	611.90	6.0014
655.24	1.6163	633.80	3.4153	612.01	6.0482
654.72	1.6491	633.35	3.4528	613.65	6.1138
654.45	1.6538	632.98	3.4996	614.03	6.1606
653.97	1.6912	632.68	3.5184	613.28	6.2075
653.33	1.7100	632.19	3.5699	612.83	6.2871
652.91	1.7240	631.66	3.6214	612.98	6.3293
652.84	1.7522	631.47	3.6402	612.83	6.3480
652.43	1.7662	631.21	3.6542	612.19	6.4089
652.09	1.7849	630.99	3.7011	612.15	6.4605
652.20	1.7943	630.69	3.7432	611.36	6.5073
651.53	1.8084	630.24	3.7760	607.92	6.5823
651.15	1.8271	629.94	3.8229	602.39	6.6385
650.62	1.8552	629.67	3.8463	607.43	6.6900
650.44	1.8646	629.26	3.8838	609.78	6.7556
650.36	1.8880	628.77	3.9353	609.67	6.7884
650.36	1.9208	628.55	3.9681	609.82	6.8493
649.31	1.9489	628.47	3.9915	608.02	6.9102
648.78	1.9817	627.91	4.0384	608.88	6.9571
648.37	2.0005	627.87	4.0665	608.36	6.9852
648.18	2.0332	627.80	4.1040	607.98	7.0461
647.81	2.0614	627.12	4.1696	607.79	7.1117
647.43	2.1035	627.42	4.1883	607.87	7.1538
647.17	2.1223	626.90	4.2211	606.93	7.2241
646.91	2.1551	626.56	4.2633	606.97	7.2850
646.53	2.1878	626.22	4.3054	606.33	7.3272
646.34	2.2160	625.96	4.3429	606.29	7.3928
646.00	2.2394	625.70	4.3898	605.54	7.4490
645.33	2.2675	624.61	4.4319	605.17	7.4958
644.84	2.2862	624.91	4.4647	605.05	7.5802
644.46	2.3097	625.06	4.5209	604.83	7.6223
643.94	2.3565	624.34	4.5584	604.49	7.6832
644.05	2.3940	623.89	4.6006	604.19	7.7722
644.09	2.4080	623.67	4.6521	603.97	7.8285
643.75	2.4502	622.96	4.6943	602.42	7.8659
643.41	2.4783	623.26	4.7083	603.21	7.9550
643.00	2.5111	622.47	4.7692	602.80	8.0159
642.47	2.5392	621.95	4.8020	602.61	8.0861
642.17	2.5580	622.54	4.8442	601.94	8.1424
642.14	2.5814	621.83	4.8864	601.37	8.1939
641.50	2.6142	621.38	4.9191	601.49	8.2548
640.60	2.6329	621.46	4.9379	601.11	8.3298
641.05	2.6751	620.78	4.9941	600.92	8.3813
640.60	2.7079	620.59	5.0410	600.40	8.4422
640.37	2.7266	620.59	5.0831	600.17	8.5265
640.45	2.7547	620.07	5.1347	599.87	8.5874
640.11	2.7922	619.73	5.1674	599.42	8.6390
640.11	2.8297	619.69	5.2237	599.16	8.7092
639.17	2.8578	618.49	5.2893	598.90	8.7842
639.51	2.8953	618.87	5.3314	596.53	8.8264
638.91	2.9421	619.05	5.3595	598.49	8.9247
638.72	2.9562	618.19	5.4298	598.03	8.9903
638.04	2.9937	617.89	5.4673	597.81	9.0419
637.59	3.0218	617.67	5.5001	596.42	9.1215
637.44	3.0499	617.40	5.5516	597.13	9.1824
636.84	3.0827	616.88	5.5844	596.65	9.2480

596.57	9.3230	590.15	10.433	613.51	5.0878
595.97	9.3839	590.49	10.307	613.55	5.0503
595.74	9.4401	591.62	10.166	613.77	4.9800
594.16	9.5291	591.43	10.063	614.34	4.9238
594.05	9.5947	591.39	9.9976	614.94	4.8536
592.66	9.6556	592.33	9.8617	614.64	4.8395
592.29	9.7399	592.44	9.7540	615.42	4.7739
592.93	9.7914	592.90	9.6509	615.76	4.7083
593.79	9.8570	593.08	9.5338	616.51	4.6568
590.90	9.9367	593.27	9.4260	616.70	4.6099
590.82	9.9835	593.50	9.3276	617.11	4.5631
590.22	10.054	593.98	9.2246	617.41	4.5209
589.81	10.143	594.47	9.1074	618.13	4.4600
589.85	10.190	594.96	9.0044	618.09	4.3991
589.40	10.246	595.60	8.8826	618.43	4.3523
588.91	10.335	595.97	8.8217	618.43	4.3054
588.38	10.405	596.20	8.7045	618.80	4.2633
588.23	10.457	596.61	8.5640	619.67	4.2211
587.97	10.541	597.29	8.4656	619.36	4.1696
587.44	10.574	597.21	8.4047	620.08	4.1227
587.10	10.649	597.70	8.3063	620.04	4.0665
586.62	10.747	598.49	8.1751	620.60	4.0290
586.47	10.803	598.60	8.0908	620.53	3.9822
586.24	10.874	599.32	7.9737	620.87	3.9306
585.71	10.930	599.54	7.9128	621.65	3.9025
585.49	11.014	599.77	7.8191	621.77	3.8604
585.19	11.056	600.18	7.7207	622.86	3.8041
584.63	11.159	600.59	7.6176	622.86	3.7620
584.40	11.234	600.71	7.5474	623.04	3.7198
584.18	11.295	600.82	7.4443	624.02	3.6589
583.76	11.389	601.08	7.3975	624.13	3.6261
583.61	11.426	601.19	7.3178	624.32	3.6027
583.12	11.511	601.68	7.2475	624.84	3.5324
582.71	11.567	602.81	7.1445	625.14	3.4903
582.37	11.633	602.81	7.0883	625.26	3.4621
581.96	11.698	603.07	6.9992	626.16	3.4153
581.55	11.787	603.86	6.9149	625.56	3.3778
581.25	11.834	603.82	6.8540	626.53	3.3403
581.02	11.914	603.67	6.7650	626.53	3.2982
580.57	12.003	604.39	6.7041	627.10	3.2654
580.04	12.073	604.99	6.6198	627.17	3.2279
580.23	12.134	605.48	6.5448	627.73	3.1764
580.38	12.190	605.78	6.4792	628.22	3.1295
580.34	12.199	606.11	6.4089	627.99	3.1061
580.80	12.204	606.72	6.3199	628.67	3.0592
581.17	12.195	606.68	6.2450	629.27	3.0311
581.51	12.185	606.83	6.1934	629.65	2.9890
581.55	12.162	607.28	6.1138	630.10	2.9609
582.26	12.110	607.80	6.0576	630.89	2.9281
582.68	12.031	607.99	5.9967	630.77	2.8859
583.50	11.961	608.48	5.9264	631.30	2.8390
584.97	11.839	609.01	5.8561	631.49	2.8109
584.55	11.768	609.53	5.7905	631.86	2.7735
584.97	11.661	609.87	5.7249	631.97	2.7313
586.06	11.520	610.47	5.6594	632.39	2.7079
586.70	11.445	610.43	5.5985	632.88	2.6704
586.85	11.328	607.78	5.5422	633.25	2.6423
587.79	11.197	610.85	5.4813	633.33	2.6001
588.24	11.089	610.88	5.4345	633.70	2.5673
588.39	10.972	606.33	5.3642	634.19	2.5345
589.25	10.869	612.05	5.2986	634.00	2.5111
589.40	10.752	612.05	5.2518	634.90	2.4783
589.82	10.649	612.20	5.2002	635.20	2.4315
589.97	10.508	612.95	5.1393	635.54	2.4221

636.10	2.3893	661.34	0.87139	685.46	0.23893
637.38	2.3331	661.68	0.85734	686.02	0.22956
637.12	2.3143	661.91	0.84328	686.73	0.21551
637.04	2.2862	662.36	0.82923	685.76	0.21551
637.57	2.2488	662.32	0.81049	687.15	0.21082
638.06	2.2253	663.30	0.79643	687.64	0.20614
638.73	2.1925	663.60	0.77769	687.75	0.19677
638.88	2.1644	664.20	0.76832	686.26	0.19677
639.26	2.1316	664.57	0.75895	688.32	0.18740
639.71	2.1082	665.02	0.73084	689.10	0.18740
640.46	2.0660	665.93	0.71679	689.29	0.18740
640.65	2.0520	663.64	0.71210	689.22	0.18740
640.57	2.0145	666.34	0.69336	685.64	0.16866
641.10	1.9911	666.64	0.68400	689.67	0.16397
641.51	1.9583	666.60	0.66994	688.37	0.16397
641.96	1.9395	667.80	0.66057	679.40	0.15929
642.04	1.9021	667.95	0.64183	691.20	0.15460
642.75	1.8693	668.37	0.63715	691.99	0.14523
643.02	1.8505	668.93	0.63246	691.55	0.14992
643.47	1.8271	669.49	0.60435	692.41	0.14055
643.50	1.7990	669.61	0.60435	692.86	0.14523
643.80	1.7896	669.39	0.58561	693.38	0.13118
644.37	1.7475	670.28	0.58561	693.68	0.12649
644.10	1.7240	670.32	0.57624	689.47	0.12181
645.08	1.7053	670.92	0.56219	693.54	0.12649
645.49	1.6678	671.52	0.54813	694.74	0.11712
646.02	1.6444	671.67	0.54813	694.10	0.11244
646.47	1.6257	672.05	0.52002	695.67	0.11712
646.09	1.6022	672.31	0.51065	696.09	0.10307
647.30	1.5882	672.65	0.50597	695.27	0.10307
647.52	1.5554	673.21	0.49191	684.26	0.10775
647.97	1.5273	673.40	0.48254	676.53	0.089013
648.09	1.5085	674.38	0.48254	692.26	0.089013
648.42	1.4851	674.49	0.46380	693.26	0.089013
649.36	1.4523	674.79	0.45912	697.93	0.089013
649.44	1.4336	675.24	0.45443	698.53	0.079643
649.93	1.4102	675.02	0.44038	698.68	0.079643
650.23	1.3820	673.94	0.43101	699.66	0.074958
650.64	1.3633	676.07	0.42164	699.13	0.074958
650.71	1.3539	676.33	0.40759	700.22	0.070273
651.24	1.3258	676.86	0.40759	698.79	0.070273
651.50	1.3071	676.71	0.39822	699.66	0.065589
652.10	1.2883	677.95	0.38416	699.43	0.060904
652.59	1.2602	677.34	0.38885	699.22	0.060904
652.89	1.2415	678.13	0.37479	700.67	0.065589
653.16	1.2181	675.26	0.36074	699.97	0.046849
653.64	1.2040	678.96	0.36542	701.16	0.051534
653.98	1.1712	679.26	0.34668	692.36	0.046849
654.47	1.1619	679.82	0.34200	701.68	0.046849
654.51	1.1337	675.12	0.33263	702.14	0.042164
655.03	1.1150	680.54	0.32794	702.51	0.042164
655.63	1.0963	681.10	0.32326	702.96	0.042164
656.50	1.0822	681.48	0.30920	703.11	0.037479
656.76	1.0588	681.63	0.30452	703.90	0.028109
656.80	1.0447	682.23	0.29515	704.39	0.023424
657.89	1.0166	682.19	0.29046	704.43	0.028109
657.47	1.0073	682.83	0.29046	704.73	0.028109
658.00	0.99320	679.21	0.28109	705.82	0.023424
658.41	0.97446	682.34	0.26704	705.67	0.023424
658.53	0.95104	683.88	0.26704	705.78	0.023424
659.50	0.94166	682.39	0.25767	706.15	0.018740
659.88	0.92292	684.59	0.24830	706.76	0.023424
660.48	0.90419	684.82	0.24830	706.91	0.018740
660.59	0.89013	685.31	0.23893	707.32	0.014055

707.81	0.014055	709.69	-0.023424	685.26	0.15460
698.63	0.0046850	709.24	-0.014055	685.19	0.15460
708.45	0.0093700	709.08	-0.014055	684.51	0.16397
708.67	0.0093700	708.45	-0.014055	684.36	0.16866
709.39	0.0046850	707.96	-0.014055	683.69	0.17334
709.95	0.0046850	707.73	-0.0046850	683.27	0.17803
710.06	0.0093700	707.47	-0.0093700	683.05	0.18271
710.40	-0.0046850	706.83	-0.0046850	682.67	0.17803
710.48	-0.0046850	706.68	0.0000	682.37	0.18740
710.93	-0.0046850	706.57	0.0000	681.99	0.19208
711.34	-0.0093700	705.63	0.0046850	681.54	0.20145
711.83	-0.0046850	705.67	0.0000	681.62	0.20614
711.98	-0.0093700	705.82	0.0046850	680.53	0.21082
710.72	-0.014055	704.88	0.0093700	680.68	0.21082
712.65	-0.014055	704.61	0.0093700	680.42	0.22019
713.03	-0.014055	704.05	0.0093700	679.97	0.23425
713.40	-0.018740	703.45	0.014055	679.74	0.23893
713.78	-0.014055	703.33	0.018740	679.18	0.24830
715.14	-0.018740	703.00	0.014055	678.73	0.25299
714.64	-0.023424	702.66	0.018740	678.50	0.25767
715.28	-0.018740	702.47	0.014055	677.98	0.26235
707.15	-0.028109	701.76	0.028109	677.68	0.26704
715.85	-0.028109	701.53	0.023424	677.30	0.27172
716.34	-0.023424	701.04	0.028109	677.04	0.27172
716.56	-0.028109	700.37	0.028109	677.07	0.27641
717.01	-0.023424	700.25	0.028109	676.29	0.28578
718.03	-0.028109	699.84	0.032794	675.80	0.29515
718.40	-0.028109	699.62	0.032794	675.68	0.29983
718.25	-0.037479	699.09	0.032794	675.50	0.30452
718.29	-0.032794	698.86	0.037479	675.01	0.31857
718.63	-0.028109	698.15	0.037479	674.63	0.32794
719.04	-0.032794	698.00	0.042164	674.41	0.32794
719.64	-0.032794	697.85	0.042164	673.96	0.34200
720.05	-0.037479	696.87	0.051534	673.73	0.34668
721.29	-0.042164	696.80	0.056219	673.51	0.34668
721.15	-0.051534	696.61	0.051534	673.17	0.36542
721.45	-0.051534	695.93	0.060904	672.94	0.36074
720.13	-0.042164	695.67	0.060904	672.34	0.37011
719.42	-0.046849	695.22	0.056219	672.12	0.37948
719.45	-0.042164	694.84	0.065589	671.82	0.38416
719.23	-0.042164	694.73	0.074958	671.36	0.39353
719.08	-0.042164	694.43	0.065589	670.76	0.40759
718.37	-0.042164	693.45	0.065589	670.50	0.41227
717.80	-0.046849	693.19	0.079643	670.39	0.41696
717.16	-0.037479	692.97	0.079643	670.05	0.43101
718.03	-0.042164	692.36	0.089013	669.79	0.44038
717.13	-0.042164	692.48	0.084328	669.56	0.45443
716.52	-0.042164	691.99	0.089013	668.96	0.46849
715.28	-0.037479	691.12	0.093698	668.59	0.46380
715.36	-0.042164	691.09	0.098383	668.40	0.47317
714.80	-0.037479	690.82	0.093698	667.91	0.48723
714.76	-0.037479	690.00	0.10307	667.53	0.49191
714.20	-0.037479	690.07	0.11244	667.01	0.50597
713.67	-0.032794	689.73	0.10775	666.59	0.52002
713.26	-0.032794	689.06	0.10775	666.22	0.52471
712.80	-0.032794	688.80	0.11712	666.18	0.52471
712.69	-0.032794	688.46	0.12649	665.51	0.54345
712.28	-0.032794	687.89	0.12649	665.02	0.56687
712.20	-0.032794	687.59	0.12649	664.83	0.56219
711.49	-0.023424	687.03	0.13118	664.27	0.58093
711.26	-0.023424	686.54	0.13586	663.93	0.58093
710.78	-0.028109	686.62	0.13118	663.89	0.59030
710.78	-0.023424	685.86	0.14055	663.14	0.60904
710.06	-0.014055	686.17	0.14992	663.36	0.62309

662.84	0.62778	639.81	1.6303	618.94	3.3591
662.31	0.63246	639.44	1.6397	619.02	3.3919
662.01	0.64652	638.99	1.6631	618.76	3.4247
661.64	0.66057	638.73	1.6866	618.27	3.4575
661.04	0.66994	638.46	1.7100	613.53	3.4856
660.81	0.67463	638.35	1.7287	617.71	3.5230
660.28	0.69336	637.52	1.7568	617.22	3.5605
659.87	0.69805	637.49	1.7709	617.07	3.5839
659.57	0.72148	637.11	1.7896	616.88	3.6074
659.31	0.73084	636.43	1.8318	616.32	3.6449
659.04	0.74958	636.25	1.8459	615.98	3.6870
658.44	0.74958	636.14	1.8646	615.83	3.7104
658.25	0.75895	635.57	1.8833	615.49	3.7573
657.65	0.78238	635.16	1.9021	615.80	3.7760
657.62	0.79175	634.93	1.9255	614.93	3.8229
657.39	0.80112	634.75	1.9489	615.15	3.8697
656.72	0.81986	634.37	1.9817	613.92	3.9025
656.68	0.82454	634.03	1.9864	613.69	3.9353
656.11	0.85265	633.81	2.0145	613.50	3.9541
655.81	0.85734	633.32	2.0473	613.24	3.9962
655.48	0.87139	633.47	2.0660	612.94	4.0196
655.21	0.88076	632.87	2.0942	612.90	4.0665
654.61	0.90887	632.38	2.1129	612.72	4.0946
654.57	0.91356	632.04	2.1316	612.23	4.1274
654.12	0.92761	632.16	2.1644	611.48	4.1836
653.30	0.94635	631.40	2.1925	611.67	4.2024
653.52	0.95572	631.18	2.2160	611.18	4.2445
652.81	0.96977	630.99	2.2394	610.69	4.2914
652.62	0.98383	630.47	2.2769	611.03	4.3148
652.40	0.99788	630.02	2.3003	610.24	4.3476
651.61	1.0119	629.71	2.3471	609.72	4.4038
651.19	1.0307	629.53	2.3565	609.61	4.4225
651.16	1.0307	629.38	2.3893	609.19	4.4600
651.01	1.0494	628.81	2.4221	606.62	4.5209
650.67	1.0588	628.44	2.4502	608.78	4.5397
650.14	1.0588	628.14	2.4643	608.33	4.5631
649.65	1.0682	627.80	2.5017	607.85	4.6240
649.28	1.0869	627.39	2.5298	607.76	4.6568
648.56	1.1010	627.50	2.5486	607.35	4.6990
648.64	1.1103	626.90	2.5861	606.94	4.7505
648.00	1.1244	626.56	2.5954	606.48	4.7880
647.89	1.1431	626.30	2.6376	606.15	4.8254
647.48	1.1572	626.19	2.6610	605.96	4.8676
647.44	1.1853	625.62	2.6985	605.66	4.9098
646.91	1.1993	625.55	2.7079	605.40	4.9566
646.31	1.2228	625.32	2.7407	604.91	4.9800
645.86	1.2321	624.80	2.7875	604.80	5.0363
645.82	1.2462	624.80	2.8156	604.46	5.0737
645.41	1.2696	624.35	2.8297	604.12	5.1347
645.11	1.2837	623.48	2.8672	603.67	5.1581
644.89	1.3071	623.56	2.8906	603.44	5.2002
644.44	1.3305	623.30	2.9187	602.88	5.2518
644.06	1.3680	622.96	2.9562	602.73	5.2893
643.72	1.3914	622.73	2.9937	602.32	5.3220
643.42	1.4102	622.85	3.0264	602.13	5.3783
643.04	1.4336	621.98	3.0592	601.83	5.4298
642.78	1.4570	621.68	3.0920	601.27	5.4673
642.52	1.4664	621.84	3.1108	600.82	5.5141
641.73	1.4992	620.86	3.1576	600.93	5.5516
641.69	1.5085	620.74	3.1998	600.48	5.6031
641.20	1.5366	620.78	3.2279	600.22	5.6640
640.79	1.5601	619.92	3.2701	599.88	5.6968
640.38	1.5788	619.88	3.2982	599.73	5.7390
640.08	1.6022	619.70	3.3310	599.24	5.7859

598.68	5.8140	577.88	9.1449	556.47	13.745
598.60	5.8561	577.43	9.1777	556.21	13.839
598.26	5.9077	576.94	9.2293	555.76	13.924
597.81	5.9545	576.94	9.2948	555.64	14.031
597.78	6.0014	576.41	9.3745	555.31	14.130
597.18	6.0482	576.30	9.4120	555.65	14.219
597.21	6.0951	575.81	9.5150	555.57	14.308
596.27	6.1185	575.85	9.6275	556.66	14.340
596.12	6.1934	575.40	9.6977	556.66	14.359
596.01	6.2403	575.02	9.7914	556.32	14.359
595.71	6.2731	574.61	9.9086	556.17	14.355
595.34	6.3434	574.01	9.9788	556.10	14.336
595.37	6.3761	574.01	10.049	556.55	14.308
595.11	6.4230	573.45	10.143	557.07	14.280
594.62	6.4839	573.03	10.194	558.13	14.251
594.36	6.5167	572.88	10.222	558.05	14.177
594.14	6.5682	572.47	10.302	558.20	14.111
593.50	6.6198	572.17	10.363	558.58	14.027
593.76	6.6713	571.76	10.429	558.95	13.886
592.93	6.7228	571.34	10.508	559.48	13.769
592.93	6.7790	571.23	10.574	560.04	13.685
592.33	6.8072	570.63	10.639	560.42	13.539
592.00	6.8587	570.37	10.700	560.72	13.413
591.77	6.9383	570.25	10.789	560.83	13.296
590.98	6.9758	569.88	10.850	561.21	13.169
590.76	7.0133	569.54	10.925	561.69	13.047
590.61	7.0789	569.20	10.995	562.48	12.921
590.53	7.1445	568.68	11.047	562.33	12.771
589.89	7.2007	568.38	11.141	562.97	12.663
589.44	7.2616	568.08	11.202	563.35	12.598
589.18	7.3178	568.08	11.262	563.57	12.434
589.03	7.3553	567.40	11.366	563.99	12.307
588.73	7.4443	566.95	11.431	564.40	12.223
588.43	7.4958	566.87	11.473	565.15	12.045
588.02	7.5380	566.69	11.581	565.34	11.928
587.87	7.6036	566.57	11.665	565.49	11.848
587.53	7.6598	565.86	11.712	565.98	11.698
586.96	7.6926	565.41	11.820	566.05	11.581
586.55	7.7676	565.26	11.890	566.69	11.469
586.36	7.8238	565.00	11.975	566.84	11.347
586.06	7.8613	564.85	12.031	567.22	11.239
585.65	7.9456	564.24	12.110	568.08	11.127
585.31	8.0018	563.94	12.176	568.57	10.991
585.24	8.0393	563.64	12.270	568.61	10.897
584.94	8.1096	563.16	12.317	568.94	10.780
584.26	8.1751	562.89	12.382	569.88	10.672
584.26	8.2220	562.33	12.467	569.62	10.564
583.70	8.2735	562.25	12.532	570.22	10.480
583.62	8.3204	561.99	12.570	570.71	10.335
583.17	8.3672	561.58	12.649	570.97	10.269
582.72	8.4141	560.94	12.691	571.24	10.157
582.76	8.4750	560.68	12.734	571.72	10.026
581.97	8.5171	560.53	12.780	572.18	9.9086
581.93	8.5827	559.81	12.837	572.18	9.8008
581.44	8.6155	559.89	12.883	572.89	9.7118
581.26	8.6952	559.44	12.944	573.27	9.6040
580.92	8.7795	559.17	13.015	573.53	9.5010
580.17	8.8170	558.76	13.080	574.13	9.3604
580.28	8.8498	558.35	13.188	574.24	9.2714
579.64	8.9060	557.93	13.286	574.81	9.1871
579.19	8.9575	558.05	13.366	574.88	9.0793
578.85	8.9997	557.11	13.469	575.48	8.9903
578.48	9.0465	556.85	13.563	576.08	8.8919
577.99	9.0887	557.03	13.647	576.20	8.8264

576.83	8.7045	600.57	4.3851	623.05	1.9911
577.06	8.6015	600.72	4.3195	623.31	1.9677
577.51	8.5546	601.02	4.2867	623.76	1.9489
577.77	8.4281	601.51	4.2351	624.18	1.9114
578.07	8.3298	602.11	4.1789	624.51	1.8880
578.41	8.2407	602.14	4.1368	624.70	1.8693
578.46	8.1611	602.63	4.0993	625.08	1.8459
579.54	8.0627	603.20	4.0431	625.56	1.8177
579.88	7.9878	603.12	4.0009	625.86	1.7896
580.29	7.9081	603.31	3.9634	626.35	1.7568
575.81	7.8332	603.76	3.9119	626.80	1.7287
581.15	7.7254	604.21	3.8885	626.65	1.7147
581.27	7.6458	604.55	3.8416	627.52	1.6819
581.68	7.5849	605.15	3.7901	627.59	1.6585
582.17	7.4912	605.75	3.7479	628.00	1.6303
582.51	7.4068	605.71	3.7151	628.49	1.6022
581.43	7.3319	606.27	3.6636	628.75	1.5788
583.37	7.2382	606.24	3.6261	629.32	1.5648
583.63	7.1820	606.46	3.6027	629.51	1.5366
583.97	7.0929	607.06	3.5418	629.54	1.5132
583.97	7.0180	607.63	3.4996	630.41	1.5039
584.46	6.9524	608.08	3.4575	630.82	1.4804
585.14	6.8774	608.19	3.4153	630.93	1.4617
585.47	6.7790	608.30	3.3684	631.42	1.4429
585.25	6.7135	608.83	3.3356	631.95	1.4148
586.11	6.6666	609.16	3.2841	632.47	1.4008
586.64	6.5635	609.99	3.2513	632.47	1.3680
587.28	6.5026	610.52	3.2185	633.07	1.3399
587.05	6.4371	610.74	3.1717	633.22	1.3211
587.43	6.3715	610.74	3.1389	633.34	1.3118
588.06	6.3106	611.04	3.1061	634.01	1.2883
588.25	6.2403	611.60	3.0592	634.09	1.2743
588.63	6.1841	612.02	3.0358	634.35	1.2509
589.19	6.1044	612.24	2.9983	635.14	1.2321
589.57	6.0529	612.96	2.9468	635.33	1.2040
589.79	5.9732	613.29	2.9140	635.63	1.1946
590.36	5.9217	613.37	2.8765	636.30	1.1712
590.84	5.8749	613.67	2.8531	636.83	1.1572
590.84	5.7859	614.16	2.8109	637.50	1.1291
591.14	5.7343	614.42	2.7781	637.58	1.1056
591.44	5.6734	614.57	2.7360	637.95	1.0869
592.46	5.6266	615.13	2.7032	638.07	1.0822
592.42	5.5750	615.55	2.6751	638.67	1.0588
592.98	5.5188	616.03	2.6376	638.48	1.0447
593.47	5.4485	616.33	2.6048	639.19	1.0260
593.58	5.4017	616.75	2.5673	639.64	1.0073
593.85	5.3502	616.75	2.5298	640.28	0.98851
594.26	5.2658	616.78	2.5017	640.32	0.97446
594.56	5.2143	617.42	2.4783	640.88	0.96040
594.52	5.1768	617.83	2.4361	641.15	0.94635
595.20	5.1065	618.13	2.4080	641.26	0.93230
595.76	5.0550	617.91	2.3940	641.86	0.91356
596.06	5.0035	618.85	2.3565	642.20	0.89013
596.25	4.9519	618.96	2.3237	642.65	0.89013
596.96	4.9051	619.52	2.2956	643.06	0.86671
597.53	4.8489	619.90	2.2628	643.55	0.85265
597.34	4.7833	620.31	2.2206	643.70	0.83391
597.98	4.7271	620.38	2.1925	644.19	0.81986
598.35	4.6943	620.61	2.1691	644.41	0.80580
598.35	4.6287	621.06	2.1363	644.68	0.79175
599.07	4.5771	621.25	2.1082	645.50	0.76832
599.10	4.5303	622.04	2.0801	645.84	0.75895
599.78	4.4834	622.68	2.0520	646.07	0.75895
600.31	4.4319	622.64	2.0239	646.29	0.73553

646.59	0.71679	670.89	0.19208	694.82	-0.0046850
647.38	0.71210	671.15	0.18740	695.23	0.0000
647.61	0.69805	671.75	0.18740	695.20	-0.0046850
648.06	0.68868	672.02	0.17803	695.58	-0.0046850
648.02	0.67463	672.50	0.16866	688.97	-0.0093700
648.81	0.66526	673.29	0.16866	696.73	-0.014055
648.69	0.64652	673.18	0.16866	696.85	-0.0093700
649.41	0.64652	673.48	0.15460	697.56	-0.018740
649.75	0.63246	674.31	0.15460	697.52	-0.014055
649.93	0.61841	674.72	0.14992	698.88	-0.018740
650.50	0.60904	673.53	0.14992	698.57	-0.028109
650.80	0.59498	675.06	0.14523	698.87	-0.028109
650.87	0.59030	675.47	0.13586	699.51	-0.028109
651.25	0.57624	675.66	0.14523	700.04	-0.028109
651.55	0.56219	676.30	0.13118	700.71	-0.037479
652.07	0.55750	676.94	0.12649	701.32	-0.037479
652.34	0.54813	677.35	0.11712	701.24	-0.042164
652.56	0.53408	677.46	0.12181	700.83	-0.037479
653.35	0.52002	676.91	0.11244	700.11	-0.028109
653.76	0.51065	678.44	0.11244	700.04	-0.037479
654.44	0.49660	678.78	0.10307	699.29	-0.037479
654.44	0.49191	678.82	0.10775	699.29	-0.037479
654.97	0.48254	679.30	0.098383	698.46	-0.032794
655.34	0.46849	676.70	0.093698	698.35	-0.037479
655.94	0.45443	679.75	0.093698	698.27	-0.032794
656.06	0.45443	680.32	0.098383	697.37	-0.032794
656.39	0.44506	680.77	0.079643	697.07	-0.032794
656.62	0.44038	681.03	0.089013	697.00	-0.032794
657.26	0.42633	681.48	0.089013	696.28	-0.032794
657.63	0.41227	681.52	0.079643	695.72	-0.018740
657.90	0.41227	682.20	0.074958	695.72	-0.028109
658.35	0.40290	675.45	0.074958	695.31	-0.028109
659.02	0.38885	676.83	0.065589	694.78	-0.023424
659.55	0.38885	682.43	0.070273	694.67	-0.023424
659.55	0.38416	683.81	0.065589	693.88	-0.014055
660.00	0.37479	684.41	0.051534	694.37	-0.028109
660.86	0.35605	684.60	0.060904	693.58	-0.023424
660.71	0.36074	684.83	0.051534	692.98	-0.014055
661.24	0.35137	685.16	0.051534	692.64	-0.014055
661.73	0.33731	685.43	0.042164	692.94	-0.014055
662.14	0.34200	685.88	0.046849	691.89	-0.014055
663.00	0.32794	686.59	0.037479	692.64	-0.0093700
662.93	0.31389	686.44	0.046849	691.14	-0.0093700
662.93	0.31389	686.67	0.037479	690.05	-0.0093700
663.68	0.31389	687.38	0.037479	690.08	-0.0093700
663.98	0.30920	687.45	0.032794	689.37	-0.0046850
664.62	0.29046	687.83	0.032794	688.92	0.0000
665.14	0.29046	688.58	0.037479	688.66	-0.0046850
665.22	0.28578	689.37	0.023424	688.24	0.0046850
665.59	0.28578	689.03	0.032794	684.55	-0.0046850
665.71	0.26704	681.61	0.028109	687.45	0.0000
666.53	0.27172	689.90	0.023424	687.27	0.0046850
666.50	0.26235	686.51	0.014055	686.85	0.0046850
666.61	0.25299	690.17	0.014055	686.44	0.0093700
667.02	0.25299	690.69	0.023424	686.06	0.0046850
667.74	0.24830	691.44	0.0093700	685.69	0.014055
667.92	0.23893	691.62	0.014055	685.65	0.0093700
668.56	0.22488	692.00	0.014055	684.86	0.014055
668.79	0.22019	692.23	0.0093700	684.45	0.028109
669.16	0.22019	693.09	0.0000	684.19	0.023424
669.39	0.20614	693.09	0.0093700	683.62	0.023424
669.95	0.20614	693.43	0.0046850	683.58	0.028109
670.40	0.20145	694.48	0.0000	683.17	0.028109
671.04	0.18740	694.74	0.0000	682.72	0.037479

682.38	0.028109	659.43	0.32326	636.52	0.97914
681.67	0.037479	659.09	0.32326	635.88	0.99320
681.29	0.037479	658.49	0.32326	635.58	1.0166
680.84	0.046849	658.41	0.32794	635.13	1.0260
680.54	0.046849	658.11	0.34200	634.83	1.0541
680.62	0.042164	657.59	0.34668	634.34	1.0588
679.83	0.060904	657.06	0.35605	634.42	1.0775
679.64	0.051534	656.91	0.36074	633.74	1.1010
679.04	0.065589	656.24	0.37011	633.59	1.1150
678.81	0.060904	656.57	0.37479	633.29	1.1197
679.11	0.065589	656.50	0.38416	632.43	1.1525
678.55	0.065589	655.82	0.39353	632.46	1.1712
677.83	0.070273	655.37	0.39822	632.20	1.1853
677.95	0.074958	655.30	0.40759	631.90	1.2087
677.38	0.079643	654.62	0.41227	631.45	1.2181
676.93	0.074958	654.02	0.42164	631.38	1.2415
676.48	0.089013	654.02	0.43101	630.59	1.2602
676.15	0.089013	653.65	0.44038	630.40	1.2743
675.81	0.089013	653.27	0.44506	629.95	1.2930
675.32	0.089013	653.35	0.44975	629.72	1.3165
675.17	0.098383	652.29	0.46849	629.69	1.3305
675.13	0.098383	651.99	0.47317	629.39	1.3399
674.76	0.11244	651.92	0.48254	628.86	1.3680
674.04	0.11244	651.43	0.49191	628.37	1.3914
673.74	0.11712	651.09	0.49660	628.26	1.4055
674.15	0.11712	650.87	0.50128	627.88	1.4336
673.45	0.11712	650.53	0.51065	627.36	1.4523
672.50	0.12649	650.15	0.52471	627.36	1.4711
672.58	0.12649	649.96	0.53408	627.06	1.4945
672.31	0.12649	649.06	0.55282	626.65	1.5039
671.75	0.13118	649.06	0.55282	626.50	1.5226
671.64	0.13118	648.61	0.56687	625.67	1.5507
671.26	0.14523	648.16	0.57624	625.56	1.5694
670.47	0.15460	647.71	0.59030	625.14	1.5882
670.40	0.14992	647.45	0.59030	624.69	1.5976
670.21	0.15460	647.11	0.60435	624.69	1.6257
669.72	0.15929	646.55	0.60904	624.17	1.6491
669.38	0.16397	646.47	0.60904	623.72	1.6678
669.61	0.15929	645.72	0.63715	623.42	1.6959
668.82	0.16866	645.38	0.63246	623.12	1.7053
667.99	0.17803	645.19	0.63715	622.67	1.7381
668.03	0.17803	644.29	0.66057	622.78	1.7568
667.28	0.18271	644.48	0.67463	622.48	1.7803
667.32	0.18740	643.96	0.68400	621.80	1.8037
666.60	0.19208	643.65	0.70274	621.80	1.8131
666.34	0.20145	643.17	0.71210	621.46	1.8412
666.19	0.20614	643.13	0.73084	620.94	1.8599
666.00	0.21082	642.27	0.74490	620.79	1.8880
665.48	0.21082	641.96	0.74958	620.60	1.9021
664.91	0.22019	641.66	0.76364	620.34	1.9395
664.80	0.22488	641.29	0.77769	619.85	1.9489
664.05	0.22956	641.25	0.79175	619.44	1.9817
663.97	0.23893	641.06	0.80580	618.88	2.0005
663.82	0.24362	640.84	0.81986	618.06	2.0379
663.07	0.26235	639.86	0.84797	618.92	2.0567
662.77	0.26704	639.79	0.85265	618.73	2.0801
662.13	0.26235	639.67	0.86202	618.24	2.1035
662.21	0.26235	638.96	0.87608	618.20	2.1269
661.68	0.27641	638.51	0.88076	617.75	2.1551
661.16	0.28109	638.13	0.90419	617.15	2.1785
660.78	0.29046	637.83	0.92292	616.85	2.1972
660.48	0.29515	637.72	0.93230	616.51	2.2300
660.37	0.30920	637.04	0.95572	616.29	2.2534
659.73	0.30920	636.63	0.96040	615.80	2.2722

615.32	2.3097	594.97	4.3288	573.83	7.2054
615.24	2.3237	594.33	4.3757	573.34	7.2757
615.09	2.3612	594.22	4.4132	572.89	7.3366
614.90	2.3893	594.03	4.4507	572.44	7.3740
614.19	2.4034	593.66	4.4647	572.25	7.4584
614.00	2.4361	593.17	4.5116	572.10	7.5380
613.44	2.4689	593.32	4.5584	571.50	7.5849
613.55	2.4877	592.98	4.5912	571.39	7.6504
613.47	2.5158	592.30	4.6287	570.75	7.7020
612.65	2.5486	592.04	4.6662	570.53	7.7629
612.76	2.5767	591.74	4.7036	570.38	7.8191
612.24	2.6095	591.22	4.7505	570.19	7.8613
611.90	2.6282	591.03	4.7927	569.74	7.9175
611.82	2.6657	590.84	4.8348	569.55	7.9643
611.64	2.6891	590.65	4.8864	569.51	8.0346
611.11	2.7219	590.28	4.9285	569.10	8.0861
608.32	2.7454	590.02	4.9660	568.57	8.1611
610.32	2.7828	589.41	5.0222	568.01	8.2126
609.98	2.8063	588.77	5.0503	567.94	8.2735
609.95	2.8390	588.74	5.0972	567.41	8.3485
609.61	2.8531	588.51	5.1487	566.96	8.4000
609.43	2.8906	588.55	5.1768	566.21	8.4328
608.78	2.9281	588.06	5.2096	566.06	8.5078
608.75	2.9515	587.46	5.2565	566.06	8.5687
607.96	2.9890	587.05	5.2986	565.64	8.6390
607.66	3.0124	586.79	5.3502	565.38	8.6999
607.28	3.0452	586.79	5.4017	565.08	8.7654
607.32	3.0827	586.26	5.4439	564.52	8.8404
607.10	3.0967	585.43	5.4813	564.10	8.8966
606.64	3.1201	585.58	5.5235	563.99	8.9716
606.12	3.1576	585.36	5.5563	563.05	9.0372
606.01	3.1904	584.91	5.5985	563.28	9.1168
605.71	3.2232	584.53	5.6594	562.64	9.1637
605.37	3.2654	584.12	5.7015	562.79	9.2386
604.88	3.2841	583.82	5.7343	562.19	9.3230
604.35	3.3263	583.10	5.7905	561.81	9.3698
604.32	3.3638	583.22	5.8233	561.66	9.4260
603.60	3.4012	582.65	5.8468	561.14	9.5057
603.49	3.4247	582.69	5.8983	560.76	9.5900
603.38	3.4668	582.32	5.9451	560.39	9.6368
603.30	3.4996	581.94	5.9920	560.05	9.7118
602.55	3.5324	581.49	6.0295	559.60	9.7914
601.91	3.5652	581.19	6.0669	559.37	9.8617
602.06	3.5933	580.97	6.1185	559.37	9.9179
601.54	3.6261	580.52	6.1513	559.22	9.9882
601.16	3.6730	580.21	6.1981	558.77	10.040
600.98	3.6964	579.91	6.2497	558.25	10.124
600.75	3.7245	579.80	6.3012	558.25	10.166
600.26	3.7667	579.35	6.3480	557.80	10.232
599.93	3.7948	579.20	6.3761	557.42	10.311
599.29	3.8463	578.68	6.4324	557.01	10.391
599.14	3.8744	577.77	6.4605	556.52	10.443
599.06	3.9119	577.89	6.4980	556.14	10.536
598.57	3.9447	577.47	6.5589	555.73	10.611
598.31	3.9869	577.06	6.5823	555.77	10.663
598.09	4.0196	576.87	6.6385	555.39	10.757
597.67	4.0384	576.12	6.6854	555.21	10.799
596.92	4.0805	575.90	6.7463	554.53	10.883
596.81	4.1087	575.78	6.7790	554.08	10.953
596.51	4.1415	575.37	6.8727	553.40	11.042
596.21	4.1836	575.11	6.9290	553.44	11.113
595.79	4.2211	574.70	6.9899	553.03	11.211
595.31	4.2492	574.24	7.0695	552.24	11.286
595.12	4.2914	574.21	7.1257	552.16	11.356

551.75	11.445	532.90	16.294	557.43	8.9247
551.75	11.506	533.05	16.303	557.65	8.8404
551.26	11.576	533.43	16.285	557.88	8.7373
550.85	11.670	532.75	16.280	558.41	8.6530
550.55	11.722	533.91	16.261	558.86	8.5593
550.51	11.773	533.65	16.233	559.31	8.4469
550.02	11.848	533.95	16.191	559.49	8.3766
549.46	11.928	534.81	16.135	559.61	8.3204
549.61	11.998	535.60	16.060	560.62	8.2173
548.97	12.064	536.02	15.976	560.92	8.1189
548.67	12.134	536.20	15.872	561.22	8.0627
548.33	12.214	536.35	15.755	561.48	7.9596
548.11	12.326	537.26	15.662	561.67	7.8800
547.69	12.373	537.44	15.507	562.05	7.8378
547.32	12.448	537.86	15.362	562.72	7.7441
547.13	12.546	538.35	15.170	562.99	7.6598
546.64	12.626	538.31	15.067	563.33	7.6130
546.15	12.701	539.02	14.898	563.55	7.5099
545.59	12.809	539.43	14.692	563.81	7.4396
545.70	12.869	539.77	14.542	564.15	7.3693
544.76	12.972	540.45	14.429	564.49	7.2897
544.73	13.052	540.90	14.219	564.94	7.2288
544.43	13.141	541.35	14.059	565.69	7.1538
543.94	13.221	541.31	13.895	566.44	7.0789
543.64	13.305	541.88	13.745	566.63	7.0039
543.45	13.422	542.14	13.600	566.89	6.9290
543.00	13.478	542.86	13.441	566.97	6.8634
542.58	13.591	543.04	13.286	567.49	6.7978
542.36	13.661	543.49	13.122	568.06	6.7463
542.25	13.750	543.68	12.977	568.17	6.6526
541.72	13.830	544.28	12.837	568.62	6.5917
541.42	13.914	544.55	12.696	568.92	6.5495
541.01	13.994	544.77	12.560	569.64	6.4652
540.48	14.111	545.37	12.382	569.82	6.3996
540.26	14.195	545.67	12.246	570.09	6.3293
540.48	14.270	545.78	12.157	570.65	6.2684
539.62	14.355	546.31	11.989	570.80	6.1981
539.17	14.429	546.69	11.848	571.29	6.1419
538.87	14.504	547.29	11.726	571.74	6.0951
538.57	14.565	547.59	11.553	572.00	6.0201
538.34	14.659	548.15	11.464	572.38	5.9639
538.19	14.729	548.57	11.347	572.79	5.9030
537.78	14.832	548.68	11.225	573.09	5.8374
537.40	14.879	549.02	11.108	573.43	5.7905
537.22	14.959	549.47	11.000	574.07	5.7109
537.41	15.024	549.99	10.850	574.52	5.6500
536.77	15.118	550.03	10.785	574.78	5.6172
535.79	15.188	550.59	10.672	575.23	5.5329
535.98	15.240	551.42	10.522	575.72	5.4860
535.23	15.315	551.27	10.429	576.13	5.4251
535.30	15.381	551.68	10.358	576.09	5.3689
535.15	15.474	552.02	10.222	576.81	5.3080
534.85	15.559	553.00	10.096	577.03	5.2705
534.36	15.605	553.00	9.9882	577.79	5.2049
533.76	15.676	553.67	9.8664	578.09	5.1534
533.69	15.793	553.45	9.7633	577.86	5.1065
533.27	15.840	553.67	9.7071	578.61	5.0550
533.09	15.924	554.50	9.5619	578.84	4.9988
532.60	16.022	554.50	9.4635	579.25	4.9473
532.15	16.107	554.80	9.4026	579.51	4.8864
533.16	16.163	555.48	9.3183	580.00	4.8489
532.64	16.219	555.78	9.1918	579.81	4.7927
531.73	16.271	556.08	9.1028	578.14	4.7411
532.86	16.285	556.34	9.0184	581.20	4.6849

581.32	4.6427	605.35	2.1691	627.00	0.80112
581.99	4.5818	605.87	2.1457	627.37	0.79643
582.14	4.5350	606.36	2.1176	627.86	0.77769
582.59	4.4975	606.25	2.0895	628.28	0.75895
582.78	4.4507	606.40	2.0707	628.61	0.75427
583.34	4.3944	606.51	2.0473	629.36	0.74490
583.53	4.3570	606.88	2.0051	629.63	0.72616
583.99	4.2914	607.37	1.9770	629.70	0.71679
584.54	4.2539	607.67	1.9536	629.93	0.70742
584.85	4.2070	608.09	1.9255	630.45	0.69336
585.67	4.1555	608.42	1.9021	630.64	0.68868
585.45	4.1040	608.80	1.8786	630.98	0.67463
585.97	4.0805	609.17	1.8505	631.32	0.65589
586.39	4.0196	609.36	1.8177	631.73	0.64652
587.17	3.9869	609.81	1.8037	632.26	0.64652
587.36	3.9353	610.41	1.7662	632.22	0.62778
587.44	3.9025	610.60	1.7522	632.82	0.61841
587.85	3.8557	610.90	1.7240	633.31	0.59967
588.41	3.8088	610.71	1.7006	633.42	0.59030
588.79	3.7667	611.61	1.6725	633.76	0.58093
588.86	3.7292	612.06	1.6538	634.09	0.57156
589.46	3.6823	612.40	1.6116	634.32	0.56219
589.88	3.6355	612.70	1.6022	635.03	0.54813
590.18	3.6027	613.04	1.5835	635.37	0.53408
590.52	3.5652	613.38	1.5460	635.56	0.52471
590.85	3.5090	614.05	1.5366	635.86	0.51534
591.30	3.4668	614.13	1.5085	636.38	0.50597
591.64	3.4387	614.32	1.4898	636.42	0.50128
591.94	3.3919	614.69	1.4664	637.02	0.48254
592.35	3.3497	615.03	1.4383	637.77	0.48254
592.77	3.3122	615.40	1.4102	637.85	0.46849
593.22	3.2747	616.00	1.3914	638.15	0.46380
593.29	3.2326	616.00	1.3774	638.94	0.44975
593.55	3.1951	616.15	1.3493	639.01	0.44038
594.16	3.1483	616.60	1.3258	639.54	0.43570
594.57	3.1201	616.83	1.3071	639.69	0.42164
594.42	3.0827	617.28	1.2883	640.37	0.41696
595.06	3.0405	617.32	1.2743	640.63	0.41227
595.62	3.0077	618.18	1.2649	640.97	0.39353
596.07	2.9655	618.44	1.2274	640.97	0.39353
596.30	2.9327	618.86	1.2087	641.64	0.38885
596.67	2.8953	619.04	1.1946	642.21	0.37479
597.01	2.8625	619.30	1.1759	642.66	0.37011
597.08	2.8390	619.42	1.1619	642.81	0.36074
597.69	2.8063	619.64	1.1384	643.29	0.34668
597.84	2.7688	620.39	1.1244	643.63	0.35137
598.10	2.7172	620.28	1.1010	644.23	0.34200
598.55	2.7126	620.84	1.0775	644.31	0.32794
598.89	2.6751	621.71	1.0682	644.72	0.32794
599.38	2.6282	621.67	1.0541	645.36	0.31389
599.60	2.5954	621.86	1.0400	645.62	0.30920
599.86	2.5626	622.19	1.0119	646.07	0.30452
600.58	2.5392	622.68	0.99320	646.52	0.29983
600.69	2.5064	622.98	0.97446	647.09	0.29046
601.22	2.4783	623.47	0.96509	647.01	0.28578
601.48	2.4361	624.00	0.94635	647.54	0.27641
602.15	2.4127	624.37	0.93230	647.73	0.27641
602.60	2.3940	624.56	0.91824	648.14	0.26235
602.94	2.3565	625.05	0.89482	648.29	0.25767
603.43	2.3237	625.12	0.89013	648.70	0.25767
603.69	2.2956	625.76	0.86671	649.34	0.25299
604.03	2.2581	626.02	0.84797	649.60	0.24830
604.44	2.2300	626.17	0.84328	649.94	0.23425
604.71	2.2019	627.04	0.81986	650.35	0.22488

650.54	0.22488	674.54	0.0046850	664.29	0.046849
650.92	0.22019	674.99	0.0046850	663.80	0.046849
651.44	0.20614	675.67	0.0046850	663.23	0.060904
651.33	0.20614	676.23	0.0093700	662.93	0.051534
652.20	0.20145	676.38	0.0000	662.60	0.060904
652.50	0.19208	676.64	0.0000	662.33	0.060904
652.83	0.19208	676.87	-0.0046850	662.22	0.065589
652.95	0.18740	677.28	-0.0093700	661.81	0.065589
653.62	0.17803	677.62	-0.0046850	661.28	0.070273
654.19	0.16866	678.07	-0.0093700	660.94	0.070273
654.26	0.16866	678.11	-0.0046850	660.53	0.074958
654.67	0.16866	678.37	-0.0046850	660.42	0.074958
655.09	0.16397	678.79	-0.0046850	660.08	0.084328
655.43	0.16397	679.50	-0.018740	659.74	0.089013
655.57	0.15929	679.57	-0.018740	659.21	0.084328
656.40	0.15929	680.06	-0.023424	658.95	0.089013
656.55	0.14992	680.96	-0.023424	658.88	0.089013
657.11	0.14055	681.94	-0.028109	658.39	0.098383
657.27	0.14523	681.64	-0.037479	658.01	0.10307
657.79	0.13118	681.08	-0.032794	657.37	0.10775
658.39	0.13118	681.08	-0.028109	657.00	0.11244
658.77	0.12649	680.51	-0.028109	656.59	0.10775
659.18	0.12649	680.21	-0.032794	656.29	0.11712
659.82	0.12649	679.76	-0.023424	655.87	0.11712
659.74	0.12181	679.91	-0.028109	655.61	0.12649
660.50	0.11712	679.05	-0.028109	655.27	0.12181
660.83	0.11244	678.37	-0.032794	654.71	0.13118
660.95	0.11244	678.15	-0.028109	654.41	0.14055
661.21	0.098383	677.58	-0.032794	654.29	0.14992
661.96	0.10307	677.36	-0.023424	653.84	0.14992
662.49	0.093698	677.21	-0.028109	653.77	0.14055
662.60	0.093698	676.08	-0.028109	652.94	0.14992
662.94	0.089013	675.78	-0.028109	653.05	0.14992
663.46	0.093698	675.03	-0.023424	652.60	0.15929
663.57	0.089013	674.88	-0.032794	652.45	0.16397
663.84	0.084328	674.28	-0.028109	651.48	0.16397
664.51	0.084328	674.32	-0.028109	651.36	0.16866
664.85	0.079643	673.75	-0.018740	650.69	0.17803
665.38	0.074958	673.53	-0.018740	650.57	0.18271
665.72	0.060904	673.11	-0.018740	650.05	0.19208
666.62	0.070273	672.63	-0.014055	649.67	0.19208
665.76	0.060904	672.40	-0.018740	649.15	0.20145
666.77	0.065589	671.87	-0.014055	649.03	0.19677
667.22	0.051534	671.69	-0.014055	648.51	0.20614
667.41	0.065589	671.16	-0.0093700	648.43	0.22019
667.63	0.060904	670.67	-0.0093700	648.02	0.22488
668.01	0.056219	670.56	-0.0093700	647.64	0.23893
668.27	0.051534	670.11	0.0046850	647.46	0.22488
668.61	0.042164	669.85	0.0000	647.35	0.24830
669.06	0.042164	669.51	0.0046850	646.78	0.24362
669.58	0.037479	669.17	0.0093700	646.37	0.24830
670.00	0.032794	668.34	0.0093700	645.80	0.25767
670.86	0.037479	668.49	0.0093700	645.50	0.26235
670.86	0.037479	668.12	0.014055	645.24	0.26704
671.20	0.023424	667.18	0.014055	644.94	0.28109
671.35	0.032794	667.22	0.0093700	644.57	0.28109
671.61	0.028109	666.69	0.023424	644.11	0.28578
672.10	0.028109	666.65	0.028109	643.93	0.29515
672.44	0.014055	666.39	0.028109	643.59	0.29983
672.55	0.014055	665.98	0.032794	643.33	0.30452
673.04	0.0093700	665.53	0.032794	643.36	0.30920
673.53	0.018740	665.22	0.037479	642.16	0.31389
673.60	0.014055	664.62	0.037479	642.35	0.32326
673.79	0.014055	664.25	0.032794	641.82	0.33263

641.26	0.33731	619.45	1.0541	598.73	2.4034
640.96	0.34668	619.11	1.0682	598.66	2.4268
640.47	0.35137	618.47	1.0963	598.20	2.4502
640.36	0.36542	618.10	1.1056	598.06	2.4830
639.91	0.37011	618.06	1.1197	597.57	2.5111
639.42	0.37948	617.50	1.1384	597.34	2.5252
638.82	0.38416	617.20	1.1572	596.89	2.5626
638.67	0.38885	616.86	1.1806	596.22	2.5861
638.52	0.40290	616.59	1.1946	595.95	2.6142
638.44	0.41227	616.63	1.1993	595.95	2.6563
637.84	0.41696	616.48	1.2274	595.39	2.6751
637.88	0.43101	616.11	1.2415	595.39	2.6938
636.98	0.43101	615.70	1.2509	595.17	2.7360
636.53	0.43570	615.25	1.2743	594.19	2.7641
636.19	0.45443	614.83	1.2883	594.23	2.7875
636.08	0.45912	614.68	1.3071	594.45	2.8250
635.55	0.47317	614.12	1.3305	593.74	2.8531
635.21	0.47786	613.93	1.3399	593.29	2.8812
634.91	0.49191	613.71	1.3586	592.84	2.9234
634.61	0.49660	613.37	1.3820	592.42	2.9468
634.35	0.50597	613.22	1.4008	592.31	2.9702
633.49	0.52002	613.22	1.4008	591.82	3.0030
633.45	0.52939	612.47	1.4289	591.52	3.0311
632.85	0.54813	612.13	1.4476	591.30	3.0592
632.70	0.55750	611.87	1.4664	590.89	3.0920
632.40	0.56687	607.32	1.4992	590.51	3.1248
631.98	0.57624	611.12	1.5132	590.40	3.1436
633.00	0.59030	611.12	1.5179	589.87	3.1810
631.83	0.59030	610.82	1.5460	589.87	3.2185
631.84	0.59967	610.37	1.5788	589.91	3.2466
631.31	0.61372	610.60	1.5882	589.50	3.2935
631.16	0.62309	610.22	1.6069	589.01	3.3216
630.82	0.63715	609.92	1.6303	589.01	3.3450
630.56	0.64652	609.58	1.6491	588.37	3.3825
630.11	0.66057	608.79	1.6819	587.47	3.4200
629.54	0.66994	608.68	1.6959	587.58	3.4481
629.51	0.68400	608.53	1.7053	587.28	3.4856
629.32	0.69805	608.12	1.7475	587.06	3.5230
629.10	0.71210	607.78	1.7662	586.46	3.5465
628.27	0.72148	607.48	1.7849	586.08	3.5793
628.42	0.72616	606.61	1.8037	585.89	3.6074
627.93	0.74490	606.69	1.8177	585.40	3.6402
627.33	0.75427	606.50	1.8412	585.44	3.6823
627.29	0.76832	605.68	1.8740	585.11	3.6964
626.58	0.77769	605.71	1.8974	584.73	3.7339
627.11	0.79175	605.38	1.9161	584.24	3.7807
626.24	0.80580	605.04	1.9349	584.09	3.7995
625.90	0.81986	605.04	1.9630	583.68	3.8322
625.53	0.82454	604.59	1.9911	583.30	3.8697
625.23	0.83391	604.21	2.0098	582.81	3.9072
625.00	0.85734	603.99	2.0379	583.12	3.9353
624.52	0.87608	603.27	2.0660	582.51	3.9728
624.03	0.88545	603.01	2.0942	581.72	4.0150
623.76	0.89950	602.82	2.1223	581.65	4.0431
623.95	0.90887	602.71	2.1316	581.27	4.0852
622.45	0.91824	602.34	2.1738	581.05	4.1274
621.81	0.94166	601.92	2.1878	580.75	4.1649
621.55	0.95572	601.51	2.2253	580.15	4.1977
621.14	0.96977	600.61	2.2441	580.07	4.2211
620.50	0.98851	600.57	2.2675	579.70	4.2539
620.76	0.99788	600.53	2.2909	579.10	4.3054
620.27	1.0166	600.05	2.3237	578.91	4.3335
619.90	1.0213	599.90	2.3518	578.91	4.3523
619.45	1.0447	599.41	2.3706	578.42	4.3851

578.01	4.4225	555.96	7.4771	533.77	11.684
577.60	4.4460	555.59	7.5474	533.81	11.754
576.99	4.4834	555.21	7.5802	533.24	11.829
576.54	4.5022	554.76	7.6364	533.09	11.942
576.24	4.5069	554.50	7.7020	533.06	11.989
575.90	4.5444	554.12	7.7348	532.87	12.068
575.49	4.5725	553.97	7.7676	532.19	12.199
575.42	4.5912	553.45	7.8332	531.82	12.260
575.08	4.6240	553.07	7.8800	531.18	12.368
574.74	4.6568	553.03	7.9269	530.88	12.485
574.44	4.6849	552.58	8.0205	530.77	12.579
574.44	4.7271	551.91	8.0955	530.09	12.616
574.29	4.7645	551.76	8.1283	529.83	12.748
573.80	4.7880	551.42	8.2220	529.64	12.832
573.43	4.8395	551.04	8.2829	528.77	12.912
572.90	4.8723	551.04	8.3298	528.93	12.996
572.68	4.9004	550.63	8.4188	528.78	13.066
572.45	4.9754	550.37	8.4703	528.36	13.165
572.30	5.0597	549.88	8.5265	527.76	13.272
571.74	5.1393	549.58	8.5921	527.76	13.352
571.17	5.2002	548.98	8.6202	527.61	13.408
571.02	5.2471	548.53	8.6811	526.90	13.535
570.50	5.2986	548.34	8.7420	526.26	13.619
570.16	5.3783	548.15	8.7889	526.15	13.685
569.97	5.4204	547.89	8.8357	525.62	13.802
569.75	5.4626	547.55	8.9435	525.43	13.877
569.15	5.5094	547.14	9.0231	525.09	13.961
568.81	5.5516	547.06	9.0840	524.87	14.031
568.43	5.6031	546.88	9.1637	524.57	14.120
567.98	5.6828	546.35	9.2246	524.34	14.186
567.68	5.7203	546.05	9.2761	523.63	14.294
567.15	5.7437	545.22	9.3557	523.59	14.383
566.78	5.8046	545.37	9.4073	522.92	14.458
566.59	5.8561	544.81	9.4729	522.73	14.551
566.55	5.8936	544.36	9.5431	522.69	14.636
566.14	5.9545	544.21	9.6181	522.32	14.729
565.65	6.0014	543.76	9.6837	521.83	14.846
565.43	6.0435	543.35	9.7914	521.72	14.907
564.86	6.0904	543.05	9.8430	521.38	14.996
564.71	6.1419	542.78	9.9179	520.66	15.113
564.30	6.1841	542.41	10.002	520.25	15.179
564.00	6.2637	542.48	10.077	519.91	15.287
563.77	6.2918	541.66	10.157	519.61	15.404
563.40	6.3387	541.47	10.246	519.09	15.493
562.80	6.4136	541.17	10.321	519.01	15.596
562.23	6.4558	540.49	10.354	518.56	15.680
562.01	6.4839	540.30	10.433	518.52	15.783
561.75	6.5589	539.97	10.504	518.22	15.882
561.18	6.6151	540.00	10.583	517.96	16.008
561.07	6.6572	539.67	10.691	517.51	16.055
560.54	6.7135	539.18	10.761	517.47	16.163
560.24	6.7556	539.07	10.831	516.91	16.285
559.94	6.7978	538.80	10.911	516.50	16.378
559.83	6.8540	538.13	10.958	516.38	16.444
559.38	6.9149	538.05	11.024	515.97	16.575
559.00	6.9711	537.30	11.103	515.52	16.674
558.44	7.0273	536.85	11.159	515.22	16.753
558.48	7.0648	536.77	11.230	514.88	16.870
557.61	7.1210	536.44	11.300	514.81	16.912
557.31	7.2007	535.99	11.370	514.28	17.011
557.80	7.2429	535.65	11.408	514.02	17.123
556.94	7.2850	535.24	11.487	513.76	17.175
556.87	7.3647	534.82	11.548	513.08	17.254
556.45	7.4256	534.26	11.609	512.82	17.358

512.37	17.428	530.47	11.431	554.96	6.0669
512.40	17.498	530.70	11.319	555.26	6.0060
511.73	17.601	531.53	11.211	555.94	5.9498
511.46	17.667	531.75	11.108	556.01	5.8749
511.39	17.770	532.16	10.977	556.43	5.8327
510.53	17.882	532.39	10.888	556.88	5.7624
510.19	17.981	532.65	10.780	557.21	5.6968
509.74	18.074	533.29	10.682	557.18	5.6500
510.53	18.154	533.40	10.579	557.66	5.5938
509.10	18.220	533.63	10.485	558.04	5.5188
509.47	18.252	534.08	10.354	558.34	5.4720
509.32	18.266	534.53	10.283	558.87	5.4251
510.41	18.280	534.94	10.176	559.28	5.3361
510.60	18.266	535.55	10.040	559.77	5.2939
511.01	18.252	535.66	9.9742	559.73	5.2424
511.16	18.238	535.84	9.8851	560.37	5.1768
512.03	18.206	536.56	9.7493	560.71	5.1487
511.73	18.154	536.78	9.6556	561.31	5.0784
512.14	18.117	537.12	9.5666	561.80	5.0035
512.33	18.042	538.06	9.4729	562.02	4.9800
513.79	17.934	538.02	9.3839	562.43	4.9191
513.49	17.845	538.36	9.2995	562.81	4.8489
514.21	17.732	538.85	9.1824	563.26	4.8067
515.07	17.625	539.11	9.1074	563.49	4.7599
515.15	17.498	539.86	9.0091	564.28	4.7130
515.67	17.362	540.20	8.8966	564.61	4.6521
516.46	17.212	540.47	8.8076	564.76	4.6053
516.27	17.062	540.84	8.7608	565.14	4.5631
516.91	16.884	541.25	8.6483	565.10	4.5116
516.95	16.669	541.86	8.5640	565.74	4.4647
517.66	16.491	542.12	8.4750	566.15	4.3991
517.93	16.332	542.61	8.3907	566.83	4.3757
518.45	16.154	542.57	8.3110	567.21	4.3288
518.87	15.994	542.57	8.2267	567.69	4.2679
519.09	15.840	543.62	8.1330	567.62	4.2258
519.69	15.629	543.85	8.0580	568.11	4.1930
519.77	15.474	544.18	7.9831	568.75	4.1461
520.33	15.366	544.18	7.8894	568.67	4.0993
520.71	15.142	544.75	7.8425	569.16	4.0618
520.93	14.992	544.97	7.7582	569.87	4.0056
521.31	14.832	545.50	7.6645	570.40	3.9634
521.91	14.668	545.95	7.5849	570.62	3.9259
522.43	14.495	546.44	7.5474	570.85	3.8697
522.55	14.326	546.77	7.4584	571.07	3.8276
523.00	14.120	547.04	7.3928	571.37	3.7901
523.15	13.998	547.49	7.3506	571.67	3.7526
523.71	13.863	548.16	7.2616	572.46	3.7104
524.39	13.680	548.54	7.1960	572.95	3.6683
524.39	13.544	548.80	7.1304	573.37	3.6214
524.84	13.413	549.25	7.0648	573.48	3.5746
525.29	13.221	549.63	7.0039	573.81	3.5512
526.08	13.118	549.93	6.9430	573.96	3.5043
526.15	12.968	550.57	6.8774	574.15	3.4668
526.49	12.799	550.94	6.7837	574.57	3.4247
526.87	12.677	551.09	6.7135	574.75	3.3872
527.13	12.556	551.62	6.6291	575.84	3.3356
527.96	12.396	551.96	6.5776	576.03	3.3216
528.18	12.284	552.29	6.5073	576.41	3.2607
528.52	12.162	552.82	6.4277	576.52	3.2232
529.01	12.050	552.90	6.3574	577.04	3.1857
528.97	11.946	553.50	6.3199	577.27	3.1576
529.46	11.820	553.38	6.2403	577.46	3.1155
529.87	11.665	554.21	6.1888	578.02	3.0780
530.51	11.539	554.17	6.1232	578.51	3.0499

579.00	3.0030	601.71	1.2556	623.51	0.39353
579.49	2.9655	602.12	1.2274	623.70	0.38416
579.67	2.9187	602.27	1.2087	624.04	0.38416
579.94	2.9000	603.06	1.1900	624.19	0.37011
580.69	2.8672	603.33	1.1759	624.94	0.36074
580.69	2.8250	603.93	1.1572	625.24	0.35137
581.40	2.7875	604.23	1.1337	625.54	0.34668
581.85	2.7547	603.85	1.1197	626.37	0.33731
582.30	2.7360	604.56	1.0916	626.44	0.33731
582.34	2.6844	604.86	1.0822	626.52	0.32326
582.38	2.6563	605.28	1.0588	626.85	0.31857
583.13	2.6189	605.80	1.0494	627.64	0.31389
583.77	2.5861	606.03	1.0307	627.57	0.29983
583.73	2.5580	606.33	1.0213	627.87	0.29983
584.22	2.5252	606.55	0.99788	628.43	0.29983
584.52	2.4971	607.34	0.97914	628.66	0.28109
584.97	2.4596	607.42	0.97446	629.18	0.28109
585.23	2.4221	607.94	0.95104	629.48	0.27641
585.42	2.3940	608.24	0.93230	630.16	0.26235
585.98	2.3706	608.28	0.92292	630.27	0.26235
586.55	2.3331	608.50	0.91356	630.27	0.26235
587.00	2.3003	608.69	0.89482	630.83	0.24830
587.37	2.2722	609.07	0.88076	631.40	0.23893
587.48	2.2534	609.67	0.86671	631.66	0.23893
587.90	2.2206	610.27	0.85265	631.96	0.23893
588.42	2.1925	610.31	0.84328	632.26	0.22488
588.38	2.1691	610.79	0.82454	632.45	0.22019
588.76	2.1410	611.32	0.80112	632.97	0.20614
589.32	2.1129	611.70	0.79643	633.42	0.20614
589.85	2.0848	611.88	0.77301	633.91	0.20614
590.30	2.0426	612.37	0.76364	634.21	0.20145
590.56	2.0332	612.56	0.74490	634.55	0.19208
590.82	2.0005	613.12	0.74490	634.85	0.18271
591.09	1.9630	613.31	0.72148	635.26	0.18271
591.43	1.9395	613.57	0.71210	635.75	0.16397
591.84	1.9255	614.06	0.69336	636.17	0.16866
592.18	1.8927	614.44	0.68400	636.50	0.15929
592.21	1.8646	614.58	0.67463	636.35	0.15929
593.04	1.8318	614.81	0.66057	637.18	0.15929
593.15	1.8131	615.37	0.65120	637.33	0.15460
593.00	1.7943	615.63	0.64183	637.97	0.14523
593.38	1.7662	615.56	0.63246	638.08	0.13118
594.01	1.7381	615.78	0.61372	638.49	0.13586
594.01	1.7053	616.16	0.60904	639.17	0.13586
594.50	1.6912	616.80	0.58561	639.32	0.12649
594.92	1.6631	617.32	0.58561	639.77	0.12181
595.85	1.6303	617.59	0.58093	640.03	0.12181
595.82	1.6163	617.62	0.56219	640.26	0.11244
596.15	1.5929	617.96	0.55282	640.78	0.11712
596.49	1.5694	618.45	0.53876	640.93	0.10775
596.76	1.5460	618.67	0.52471	641.19	0.10775
597.21	1.5320	619.05	0.50597	641.68	0.10775
597.32	1.5085	619.01	0.50597	642.32	0.10307
597.73	1.4851	619.80	0.49191	642.62	0.098383
598.03	1.4570	619.87	0.47786	642.92	0.089013
598.41	1.4289	619.99	0.48254	643.49	0.093698
598.97	1.4148	620.66	0.46380	643.67	0.089013
599.23	1.3867	620.81	0.44975	643.97	0.079643
599.57	1.3680	621.49	0.44506	644.39	0.079643
599.98	1.3539	621.79	0.44038	644.58	0.079643
600.36	1.3305	621.86	0.42164	644.69	0.070273
600.62	1.3071	622.54	0.42164	645.36	0.070273
601.22	1.2883	622.61	0.40759	645.66	0.065589
601.41	1.2602	623.40	0.40290	645.93	0.065589

646.53	0.060904	651.82	-0.0046850	628.65	0.22956
646.72	0.060904	651.63	-0.0093700	628.38	0.23893
647.09	0.060904	651.15	-0.0046850	628.04	0.24830
647.39	0.056219	650.73	-0.0093700	627.90	0.25299
647.77	0.046849	650.13	0.0000	627.22	0.25767
647.92	0.042164	649.91	-0.0046850	627.07	0.26235
648.22	0.042164	648.97	0.0046850	626.17	0.27172
648.89	0.042164	648.89	0.0093700	625.94	0.28109
649.12	0.037479	648.85	0.0093700	625.94	0.28578
649.61	0.042164	648.63	0.0093700	624.72	0.29515
650.02	0.037479	648.14	0.018740	625.30	0.30452
649.98	0.037479	647.69	0.023424	624.74	0.30452
650.40	0.032794	647.24	0.018740	624.70	0.31857
650.73	0.014055	646.82	0.014055	624.14	0.32326
651.07	0.014055	646.52	0.028109	623.88	0.33263
651.48	0.018740	646.00	0.028109	623.50	0.34200
651.90	0.023424	645.74	0.032794	623.05	0.34668
652.16	0.014055	645.21	0.032794	622.83	0.35605
652.35	0.0093700	645.28	0.037479	622.68	0.36074
652.91	0.0046850	644.65	0.032794	622.19	0.37479
653.40	0.0000	644.57	0.046849	621.78	0.37479
653.96	0.0000	644.08	0.051534	621.40	0.38885
654.04	0.0046850	643.67	0.051534	621.40	0.38885
654.45	0.0000	643.11	0.060904	621.10	0.39353
654.86	-0.0093700	642.73	0.060904	620.57	0.40290
655.32	-0.0093700	642.88	0.056219	620.42	0.41696
655.77	-0.014055	642.47	0.065589	620.05	0.42633
656.18	-0.0093700	642.32	0.070273	619.82	0.43101
656.37	-0.0046850	641.98	0.074958	619.37	0.45443
656.70	-0.018740	640.93	0.079643	619.30	0.45443
657.12	-0.0093700	640.81	0.084328	618.81	0.46380
657.79	-0.014055	640.74	0.084328	618.66	0.47317
657.98	-0.018740	639.99	0.084328	618.47	0.47786
658.39	-0.028109	639.72	0.089013	618.25	0.48723
658.62	-0.018740	639.20	0.093698	617.76	0.50128
658.92	-0.023424	639.20	0.10307	617.39	0.50597
659.52	-0.023424	638.71	0.098383	616.90	0.52002
659.82	-0.028109	638.56	0.10307	615.86	0.52939
659.97	-0.032794	638.00	0.10775	616.52	0.54345
661.89	-0.037479	637.66	0.11244	616.07	0.55750
661.85	-0.032794	637.70	0.11244	615.88	0.56219
661.97	-0.042164	637.10	0.11712	615.17	0.58093
661.03	-0.046849	636.53	0.12181	614.62	0.58093
660.87	-0.032794	636.31	0.12649	614.91	0.59498
660.39	-0.032794	635.78	0.13118	614.50	0.60435
660.50	-0.037479	635.22	0.14055	614.42	0.60904
659.45	-0.032794	635.07	0.14523	614.01	0.62778
659.30	-0.032794	633.76	0.14523	613.67	0.63246
658.88	-0.037479	634.43	0.14992	613.41	0.64183
658.70	-0.037479	633.95	0.15460	613.03	0.65120
657.95	-0.032794	633.94	0.15460	612.70	0.67463
657.87	-0.032794	632.45	0.15929	612.55	0.67931
656.97	-0.032794	633.00	0.16866	612.06	0.69336
656.41	-0.023424	632.25	0.17803	612.14	0.70274
656.07	-0.028109	632.03	0.17334	611.68	0.71679
656.44	-0.018740	632.40	0.18740	611.12	0.73553
655.50	-0.023424	631.54	0.19208	610.78	0.74021
654.56	-0.028109	631.35	0.19677	610.71	0.74490
654.15	-0.014055	630.67	0.19208	610.37	0.76832
653.70	-0.023424	630.15	0.20614	610.33	0.78706
653.47	-0.014055	631.65	0.20614	609.69	0.79643
652.84	-0.0093700	629.89	0.20614	609.32	0.81049
652.57	-0.0046850	629.14	0.21082	608.98	0.81986
652.12	-0.0093700	627.90	0.22488	608.68	0.84328

608.27	0.85734	587.96	2.0754	566.11	3.9728
608.23	0.86202	587.17	2.0988	565.50	3.9915
607.93	0.87139	587.28	2.1223	565.43	4.0243
607.48	0.89482	587.10	2.1457	565.17	4.0618
607.18	0.89950	586.50	2.1738	564.60	4.0993
607.03	0.91356	585.97	2.1925	564.30	4.1368
606.28	0.92761	585.74	2.2160	564.34	4.1836
606.32	0.94635	585.33	2.2441	564.04	4.2211
606.02	0.96040	585.33	2.2815	563.44	4.2539
605.38	0.97914	585.07	2.2956	563.10	4.2726
605.19	0.99320	584.17	2.3237	562.54	4.3242
604.82	1.0119	584.21	2.3518	562.61	4.3523
604.40	1.0260	583.68	2.3846	562.20	4.3898
604.21	1.0494	583.68	2.4080	561.68	4.4413
604.18	1.0635	583.15	2.4361	561.60	4.4647
603.61	1.0869	582.70	2.4596	561.22	4.5116
603.28	1.0916	582.03	2.4924	560.59	4.5537
603.20	1.1056	581.61	2.5111	560.17	4.5912
602.90	1.1244	581.09	2.5345	559.80	4.6193
602.19	1.1431	580.82	2.5486	559.42	4.6662
602.04	1.1619	580.49	2.5861	559.42	4.7224
601.62	1.1806	580.60	2.6189	558.97	4.7692
601.14	1.2040	580.38	2.6423	558.63	4.8067
601.21	1.2228	579.96	2.6844	558.60	4.8348
600.76	1.2462	579.47	2.6938	558.03	4.8864
600.23	1.2509	579.06	2.7126	557.85	4.9473
600.01	1.2696	578.53	2.7407	557.58	4.9941
599.33	1.2930	578.39	2.7594	557.13	5.0128
599.03	1.3071	577.90	2.7781	556.72	5.0644
598.96	1.3118	577.48	2.8016	556.68	5.1253
598.62	1.3399	577.41	2.8203	556.34	5.1628
598.21	1.3539	577.15	2.8297	555.59	5.1909
598.06	1.3680	576.66	2.8531	555.25	5.2283
597.79	1.3914	576.28	2.8672	555.03	5.2565
597.46	1.4055	576.09	2.8906	554.65	5.2893
597.01	1.4242	576.06	2.9093	554.50	5.3220
596.86	1.4570	575.38	2.9327	554.13	5.3595
596.07	1.4711	575.27	2.9609	553.26	5.4017
596.26	1.4898	574.59	3.0030	553.26	5.4111
595.81	1.5132	574.74	3.0218	552.96	5.4626
595.35	1.5273	574.07	3.0452	552.70	5.5001
595.13	1.5507	573.43	3.0827	552.48	5.5469
594.64	1.5741	573.32	3.1108	551.95	5.6219
594.42	1.5882	572.83	3.1295	551.69	5.6875
593.78	1.6116	572.94	3.1810	551.27	5.7765
593.63	1.6350	572.79	3.2279	551.09	5.8468
593.52	1.6585	572.15	3.2747	550.71	5.8983
593.10	1.6819	571.82	3.3356	550.15	5.9498
592.88	1.7053	571.51	3.3684	549.88	6.0014
592.43	1.7194	571.29	3.4106	549.81	6.0529
592.46	1.7428	570.80	3.4621	549.32	6.0997
591.71	1.7756	570.39	3.4856	549.32	6.1232
591.90	1.7896	570.27	3.5230	548.27	6.1747
591.34	1.8084	569.97	3.5652	548.08	6.1888
590.70	1.8365	569.41	3.6027	547.97	6.2309
590.70	1.8552	569.19	3.6449	547.59	6.2684
590.47	1.8833	568.77	3.6776	546.99	6.3387
590.10	1.9068	568.55	3.7104	546.77	6.3996
589.50	1.9302	568.06	3.7526	546.54	6.4417
589.39	1.9536	568.25	3.7995	546.43	6.5214
589.05	1.9817	567.83	3.8369	546.09	6.5682
588.71	1.9911	567.20	3.8604	546.05	6.6244
588.49	2.0192	566.82	3.9119	545.60	6.6807
587.96	2.0567	566.59	3.9306	545.08	6.7228

544.89	6.7697	523.11	10.864	499.90	16.383
544.59	6.8212	522.32	10.944	498.55	16.458
544.48	6.8868	522.13	10.981	498.13	16.542
544.22	6.9524	521.76	11.066	497.95	16.641
543.80	7.0227	521.46	11.169	497.38	16.720
543.39	7.0789	521.23	11.234	498.25	16.777
542.98	7.1210	520.86	11.295	496.82	16.880
542.53	7.1913	520.44	11.370	497.46	16.969
542.30	7.2382	520.11	11.455	495.99	17.058
542.26	7.2850	520.07	11.553	495.88	17.175
541.06	7.3647	519.36	11.628	497.61	17.245
541.28	7.4209	519.17	11.684	495.02	17.348
540.76	7.4677	518.90	11.773	495.62	17.437
540.76	7.5427	518.45	11.857	494.27	17.554
540.20	7.5849	518.08	11.923	494.19	17.657
539.93	7.6364	518.08	11.984	493.63	17.803
538.96	7.7395	517.70	12.096	495.77	17.868
538.54	7.7957	517.25	12.185	493.03	17.990
538.43	7.8425	516.99	12.303	492.73	18.102
538.06	7.9175	516.65	12.349	492.12	18.191
537.53	7.9643	516.28	12.429	492.05	18.304
537.30	8.0065	515.60	12.509	491.56	18.384
536.63	8.0580	515.11	12.598	491.11	18.505
536.74	8.1049	515.00	12.645	490.73	18.641
536.37	8.1330	515.11	12.720	490.59	18.711
536.10	8.1845	514.29	12.823	490.10	18.796
535.88	8.2220	514.25	12.874	490.02	18.913
535.24	8.2735	513.76	12.972	489.76	19.002
534.94	8.3298	512.22	13.033	491.41	19.096
534.57	8.3579	513.12	13.076	488.90	19.180
534.11	8.3672	512.82	13.146	488.37	19.321
534.19	8.4188	512.22	13.225	487.92	19.386
533.66	8.4562	512.00	13.277	487.73	19.503
533.21	8.4984	511.24	13.403	487.92	19.644
533.10	8.5546	511.39	13.497	486.98	19.733
532.69	8.6202	511.32	13.577	486.57	19.841
532.35	8.6671	510.94	13.685	486.34	19.911
532.05	8.7280	510.31	13.755	486.04	20.028
531.75	8.7795	510.08	13.863	485.52	20.103
531.75	8.8123	510.01	13.994	485.48	20.215
531.15	8.8873	509.25	14.083	486.01	20.253
530.58	8.9575	508.39	14.153	485.70	20.295
530.32	8.9950	508.28	14.280	486.08	20.323
529.98	9.0934	508.01	14.392	486.27	20.337
529.76	9.2480	507.94	14.453	486.38	20.337
529.23	9.3417	507.60	14.551	487.62	20.332
528.86	9.4729	507.04	14.668	487.96	20.323
528.67	9.5713	506.81	14.734	488.52	20.309
528.44	9.6556	506.40	14.851	488.56	20.272
528.07	9.7446	505.61	14.968	488.82	20.220
527.99	9.8195	505.76	15.076	489.16	20.164
527.20	9.8945	505.31	15.174	490.48	20.061
527.02	9.9695	505.01	15.259	490.33	19.967
526.90	10.040	504.33	15.343	491.15	19.869
526.27	10.124	504.18	15.432	491.45	19.737
525.89	10.218	504.49	15.554	492.05	19.634
525.82	10.274	504.00	15.605	492.65	19.531
525.59	10.344	503.51	15.741	493.37	19.424
524.80	10.457	501.06	15.830	493.93	19.306
524.91	10.504	500.73	15.929	494.35	19.185
523.75	10.579	500.31	15.985	494.61	19.025
524.27	10.658	500.84	16.121	495.13	18.918
523.34	10.724	499.52	16.214	495.10	18.758
523.22	10.803	499.37	16.303	495.77	18.543

495.74	18.416	520.57	9.5806	544.91	5.0222
496.64	18.252	519.07	9.4494	545.47	4.9754
497.05	18.037	521.54	9.3557	546.00	4.9238
497.35	17.882	521.62	9.2808	546.79	4.8582
495.07	17.737	522.30	9.1730	546.71	4.8161
498.18	17.550	522.52	9.0887	547.09	4.7692
498.29	17.423	522.56	9.0091	547.58	4.7130
498.59	17.254	523.31	8.8919	547.65	4.6662
499.15	17.034	523.53	8.8123	547.91	4.6474
499.94	16.870	523.99	8.7608	548.36	4.5865
499.64	16.763	524.70	8.6436	549.08	4.5397
500.21	16.505	524.92	8.5546	549.34	4.5022
500.54	16.378	525.08	8.4750	549.75	4.4507
500.69	16.177	525.41	8.4000	550.32	4.3851
501.03	15.999	526.05	8.3298	550.17	4.3382
501.56	15.830	526.31	8.2548	551.14	4.2914
502.09	15.662	526.50	8.1798	551.44	4.2445
502.57	15.441	527.07	8.1096	552.35	4.2024
502.69	15.324	527.18	8.0487	552.50	4.1415
503.21	15.156	527.55	7.9456	552.42	4.1087
503.66	14.959	527.89	7.8753	553.10	4.0665
504.08	14.800	524.42	7.8191	553.25	4.0290
504.49	14.650	529.17	7.7020	553.55	3.9869
504.86	14.434	529.47	7.6223	553.92	3.9400
505.50	14.303	529.66	7.5380	554.18	3.8978
505.77	14.186	530.33	7.4818	554.48	3.8510
506.11	13.975	530.67	7.3975	554.90	3.8229
506.63	13.830	531.01	7.3272	555.16	3.7620
507.16	13.680	531.57	7.2335	555.76	3.7151
507.53	13.525	531.72	7.1679	556.25	3.6683
507.61	13.394	532.06	7.1164	556.33	3.6495
508.17	13.249	532.44	7.0273	556.85	3.6027
508.36	13.113	533.08	6.9571	557.00	3.5465
508.74	12.958	533.30	6.9102	557.41	3.4949
509.22	12.855	533.49	6.8493	557.71	3.4809
509.60	12.687	534.09	6.7697	558.32	3.4293
510.58	12.556	534.58	6.7135	558.54	3.4012
510.39	12.457	535.03	6.6432	558.88	3.3450
510.61	12.317	535.03	6.5917	559.14	3.3075
511.25	12.195	535.22	6.5261	559.37	3.2701
511.36	12.087	536.04	6.4417	559.74	3.2279
512.19	11.970	536.76	6.3855	560.19	3.1951
512.04	11.853	536.49	6.3059	560.64	3.1576
512.72	11.740	537.21	6.2450	560.68	3.1201
513.28	11.623	537.21	6.1794	561.55	3.0827
513.51	11.506	537.70	6.1185	562.00	3.0405
513.62	11.389	538.41	6.0388	562.15	3.0030
513.54	11.314	538.49	5.9873	562.79	2.9655
514.18	11.173	538.86	5.9311	562.94	2.9327
514.67	11.080	539.61	5.8655	563.61	2.8953
515.16	10.935	539.61	5.8186	563.80	2.8625
515.01	10.869	540.44	5.7531	563.95	2.8297
515.80	10.761	540.48	5.7015	564.40	2.7922
516.25	10.621	541.15	5.6406	564.89	2.7500
512.40	10.527	541.19	5.5844	565.30	2.7219
516.85	10.429	541.79	5.5141	565.53	2.7032
517.37	10.335	542.20	5.4626	565.49	2.6657
517.75	10.237	542.58	5.4111	566.84	2.6235
518.46	10.147	543.14	5.3408	567.52	2.5861
519.03	10.012	543.03	5.3127	567.93	2.5580
518.99	9.9320	543.48	5.2518	568.08	2.5298
519.55	9.8711	544.12	5.1815	567.89	2.5017
519.78	9.7633	544.23	5.1253	568.34	2.4596
520.19	9.6462	544.42	5.0925	568.34	2.4408

569.09	2.4034	591.43	0.91356	613.13	0.23425
569.43	2.3752	591.73	0.89950	612.98	0.22956
569.51	2.3518	591.73	0.89482	612.16	0.22488
570.41	2.3003	591.77	0.88076	613.35	0.22019
570.82	2.2815	592.41	0.86671	613.76	0.21551
570.48	2.2722	592.86	0.84328	614.36	0.20145
571.54	2.2160	593.16	0.82454	614.70	0.20614
572.02	2.1878	593.35	0.80580	615.27	0.19208
571.61	2.1644	593.76	0.79643	615.38	0.18740
572.10	2.1363	594.10	0.78238	615.49	0.18271
572.40	2.1082	594.36	0.76364	615.83	0.18271
572.47	2.0754	594.89	0.75427	616.16	0.17803
573.04	2.0520	595.15	0.74021	616.65	0.16866
573.00	2.0239	595.68	0.73084	616.80	0.16397
573.75	1.9864	596.16	0.71679	617.33	0.15460
573.98	1.9677	596.76	0.68868	617.78	0.15929
574.54	1.9349	596.91	0.68868	618.15	0.14992
574.95	1.9021	597.25	0.67931	618.42	0.14055
575.18	1.8880	597.59	0.65120	619.09	0.14055
575.37	1.8552	598.15	0.64652	618.68	0.14055
575.59	1.8412	598.23	0.63715	619.20	0.13586
576.15	1.8084	598.49	0.61841	619.65	0.12649
576.72	1.7849	598.94	0.60904	619.80	0.12649
576.16	1.7709	599.39	0.59967	620.03	0.12181
577.09	1.7334	599.77	0.58561	620.63	0.11712
577.62	1.7053	599.73	0.59030	620.78	0.11244
577.96	1.6866	600.10	0.56219	621.12	0.10307
578.11	1.6631	600.67	0.55750	621.64	0.11244
578.67	1.6303	601.01	0.54813	622.32	0.098383
579.05	1.6069	601.31	0.53876	622.17	0.098383
579.31	1.5788	601.72	0.52471	622.47	0.093698
579.80	1.5554	602.06	0.50128	622.81	0.089013
580.10	1.5366	602.21	0.49660	622.99	0.084328
580.21	1.5179	602.47	0.49191	623.56	0.079643
580.55	1.4851	602.77	0.48254	623.78	0.079643
581.15	1.4711	603.45	0.46849	624.27	0.070273
581.26	1.4476	603.41	0.45912	625.25	0.070273
581.94	1.4242	603.60	0.45443	625.47	0.065589
582.50	1.4008	604.53	0.44506	625.36	0.070273
582.57	1.3820	604.46	0.44038	626.04	0.056219
583.06	1.3586	604.83	0.41696	626.37	0.056219
582.99	1.3305	605.40	0.40759	626.86	0.056219
583.85	1.3118	605.62	0.40759	627.24	0.046849
584.27	1.2883	605.96	0.38885	627.65	0.042164
584.68	1.2790	606.34	0.38885	628.14	0.046849
584.79	1.2602	606.60	0.37948	628.03	0.037479
585.32	1.2274	606.82	0.37479	628.55	0.032794
585.58	1.2228	607.24	0.36074	628.85	0.028109
586.18	1.1993	607.80	0.35137	629.15	0.028109
586.33	1.1712	607.99	0.34668	629.53	0.023424
586.78	1.1619	608.40	0.33731	629.75	0.018740
587.31	1.1431	608.74	0.32794	629.98	0.023424
587.19	1.1197	609.08	0.32794	630.43	0.023424
587.72	1.0963	609.11	0.31857	630.92	0.014055
588.06	1.0822	609.71	0.30920	631.07	0.014055
588.32	1.0588	609.71	0.30452	631.40	0.014055
588.51	1.0635	610.28	0.29515	631.63	0.0093700
589.03	1.0400	610.28	0.29046	632.08	0.0046850
589.33	1.0213	610.88	0.28578	632.83	-0.0046850
589.41	1.0026	611.36	0.27641	632.98	-0.0093700
589.86	0.98851	611.59	0.26704	633.13	-0.0093700
590.35	0.96977	612.23	0.25767	633.51	0.0000
590.53	0.96040	612.34	0.25767	633.73	-0.0093700
591.10	0.93698	612.94	0.24362	634.33	-0.014055

634.67	-0.014055	614.88	0.20614	594.13	0.76832
635.27	-0.018740	614.43	0.21082	593.90	0.77301
636.74	-0.028109	614.47	0.20614	593.30	0.79643
636.89	-0.028109	614.21	0.22019	592.96	0.80580
636.44	-0.032794	613.87	0.22488	592.47	0.81986
636.63	-0.032794	613.38	0.24362	592.40	0.83860
635.91	-0.023424	613.08	0.23425	592.02	0.84797
634.18	-0.028109	610.40	0.24362	591.61	0.86671
634.41	-0.023424	609.65	0.25767	591.72	0.88076
633.62	-0.023424	613.16	0.26235	591.05	0.89013
633.47	-0.028109	611.88	0.26704	590.93	0.90419
633.73	-0.014055	611.32	0.26704	590.30	0.92761
632.91	-0.018740	611.54	0.27641	589.92	0.93698
632.46	-0.023424	611.02	0.29046	589.73	0.95104
631.82	-0.014055	610.46	0.30452	589.43	0.96509
631.82	-0.014055	610.23	0.30452	589.25	0.98383
631.29	-0.0046850	609.67	0.29983	588.79	1.0166
631.18	-0.014055	609.93	0.30920	588.46	1.0213
630.65	-0.0093700	610.27	0.31857	588.23	1.0400
630.09	0.0000	609.29	0.32326	587.63	1.0541
629.75	0.0093700	609.44	0.33263	587.37	1.0775
629.41	0.0093700	608.96	0.33731	587.33	1.0822
629.04	0.014055	607.72	0.34200	586.84	1.1056
628.77	0.014055	607.08	0.34668	586.43	1.1197
628.44	0.014055	607.42	0.35605	586.35	1.1384
628.25	0.023424	606.63	0.35137	585.79	1.1619
628.59	0.023424	606.25	0.35605	585.64	1.1712
627.54	0.032794	606.21	0.37011	585.34	1.1853
627.27	0.037479	606.37	0.37479	584.93	1.2040
626.94	0.042164	605.35	0.37948	584.55	1.2274
626.33	0.042164	605.35	0.37948	584.21	1.2368
625.88	0.042164	605.05	0.38416	584.03	1.2509
625.47	0.051534	604.83	0.39822	583.65	1.2743
625.28	0.051534	604.49	0.40290	583.27	1.2930
624.64	0.056219	604.19	0.41227	582.79	1.3165
624.30	0.060904	603.55	0.41696	582.56	1.3305
624.04	0.065589	603.17	0.43101	582.15	1.3446
623.74	0.070273	603.02	0.43101	581.96	1.3680
623.18	0.074958	602.65	0.44975	581.36	1.3914
623.07	0.074958	602.16	0.45443	581.25	1.3961
622.66	0.079643	601.97	0.46380	580.72	1.4242
616.27	0.089013	601.41	0.48254	580.53	1.4476
622.24	0.089013	601.48	0.49191	580.65	1.4617
622.32	0.098383	601.22	0.50128	580.12	1.4898
620.64	0.10307	600.85	0.50597	579.56	1.5132
619.96	0.10775	600.36	0.52002	579.07	1.5320
620.89	0.10775	599.76	0.53408	578.96	1.5694
620.55	0.11712	599.61	0.54345	578.47	1.5741
620.17	0.11712	599.27	0.55750	578.17	1.5929
619.80	0.12649	599.08	0.56219	578.09	1.6163
619.57	0.12649	598.56	0.58093	577.64	1.6350
619.46	0.13118	598.03	0.59498	577.15	1.6491
619.09	0.14055	597.65	0.60904	576.67	1.6631
618.56	0.14523	597.58	0.62309	576.44	1.6819
618.94	0.14523	597.28	0.62778	576.25	1.6866
616.32	0.15460	596.98	0.65120	576.03	1.7053
612.77	0.15929	596.75	0.66526	575.88	1.7053
617.06	0.16397	596.34	0.67463	574.94	1.7334
616.68	0.16397	596.27	0.67931	574.90	1.7522
616.46	0.16866	595.89	0.69336	574.23	1.7615
616.06	0.18271	595.36	0.71679	574.15	1.7849
616.20	0.18271	595.21	0.72616	573.36	1.8084
615.52	0.18740	594.76	0.74021	573.25	1.8318
614.48	0.19208	594.39	0.74490	573.25	1.8459

572.69	1.8646	550.61	3.7667	529.05	6.5261
572.72	1.8880	550.38	3.8229	529.09	6.5589
572.27	1.9114	550.38	3.8650	528.45	6.6244
571.67	1.9442	549.74	3.9072	528.04	6.7088
571.37	1.9677	549.90	3.9681	528.12	6.8025
571.15	2.0005	549.52	4.0009	527.52	6.8727
570.77	2.0426	549.44	4.0431	527.29	6.9571
570.66	2.0660	548.88	4.0805	526.91	7.0273
569.91	2.1035	548.77	4.1368	526.69	7.0836
569.83	2.1269	548.28	4.1696	526.20	7.1492
569.38	2.1551	547.75	4.2211	526.24	7.2054
569.23	2.1925	547.42	4.2445	525.64	7.2522
568.86	2.2066	547.27	4.2820	525.15	7.3366
568.56	2.2394	546.81	4.3148	524.62	7.3881
567.77	2.2722	546.33	4.3476	524.36	7.4537
567.54	2.3003	546.25	4.3851	524.44	7.5005
567.66	2.3097	545.95	4.4413	523.76	7.5614
567.20	2.3471	545.35	4.4647	523.57	7.6130
566.94	2.3659	544.90	4.5162	523.16	7.6926
566.64	2.3893	544.34	4.5631	522.82	7.7348
565.81	2.4268	544.19	4.5959	522.44	7.8004
565.66	2.4502	543.62	4.6240	522.26	7.8519
565.06	2.4736	543.36	4.6802	521.92	7.9362
564.61	2.5017	543.17	4.7224	521.69	7.9878
564.65	2.5252	543.02	4.7599	521.05	8.0393
564.12	2.5673	542.31	4.8161	520.68	8.1002
563.79	2.5861	542.31	4.8582	520.61	8.1611
563.67	2.6142	542.38	4.9051	519.97	8.2361
563.30	2.6563	541.90	4.9379	519.74	8.2642
562.73	2.6751	541.22	4.9847	519.44	8.3485
562.70	2.7126	540.88	5.0269	519.41	8.3860
562.40	2.7407	540.66	5.0972	518.84	8.4656
561.61	2.7735	540.17	5.1206	518.61	8.5359
561.38	2.7922	539.98	5.1768	518.09	8.5968
561.27	2.8203	539.49	5.2283	517.75	8.6764
560.63	2.8531	539.38	5.2752	517.26	8.7327
560.60	2.8765	538.93	5.3033	517.04	8.8264
560.11	2.9093	538.21	5.3595	516.51	8.8919
559.84	2.9468	538.22	5.4111	516.51	8.9528
559.54	2.9702	537.73	5.4579	516.10	9.0278
559.24	3.0124	537.20	5.5094	515.54	9.1028
558.91	3.0405	536.94	5.5563	515.27	9.1449
558.57	3.0733	536.71	5.6078	514.71	9.2339
558.31	3.1155	536.11	5.6594	514.64	9.3042
557.82	3.1670	535.81	5.7109	514.45	9.3698
557.55	3.1951	535.47	5.7577	513.92	9.4213
557.37	3.2373	535.40	5.8233	513.77	9.5103
556.91	3.2701	534.76	5.8608	513.43	9.5806
556.50	3.3075	534.69	5.8842	513.28	9.6603
556.20	3.3216	534.20	5.9405	512.83	9.7165
555.94	3.3825	533.71	5.9545	512.61	9.7774
555.15	3.4153	533.63	5.9873	512.12	9.8523
555.04	3.4340	532.96	6.0154	511.44	9.8992
554.40	3.4762	532.51	6.0342	511.14	9.9507
554.21	3.4996	532.32	6.0669	510.96	10.002
553.87	3.5090	532.13	6.1091	510.62	10.058
553.31	3.5512	532.13	6.1232	510.35	10.119
553.16	3.5839	531.53	6.1606	510.02	10.180
552.78	3.6074	531.01	6.2215	509.49	10.232
552.56	3.6402	530.78	6.2637	509.15	10.302
551.92	3.6589	530.29	6.3012	508.97	10.377
551.77	3.6776	530.33	6.3527	508.74	10.429
551.28	3.7058	529.58	6.4043	508.55	10.494
550.83	3.7385	529.43	6.4464	508.18	10.583

507.43	10.672	483.88	16.247	463.30	22.235
507.24	10.752	483.62	16.369	463.60	22.263
506.90	10.841	483.20	16.472	463.75	22.267
506.52	10.944	482.94	16.552	464.77	22.277
506.30	11.047	482.45	16.655	464.46	22.272
505.96	11.164	482.11	16.744	465.06	22.263
505.59	11.225	481.77	16.823	466.12	22.249
505.40	11.300	482.89	16.898	465.74	22.235
505.06	11.408	481.25	16.997	467.70	22.164
504.68	11.436	481.06	17.091	467.02	22.085
504.38	11.548	480.84	17.212	467.47	22.000
503.90	11.647	480.20	17.264	468.26	21.916
503.41	11.726	480.16	17.372	468.11	21.818
503.45	11.806	479.60	17.522	468.63	21.715
503.11	11.886	479.33	17.587	469.69	21.588
502.47	11.951	478.85	17.714	470.02	21.532
502.02	12.031	478.81	17.817	470.85	21.447
501.91	12.115	479.79	17.915	471.83	21.335
501.79	12.181	480.01	18.013	472.39	21.241
501.31	12.237	477.68	18.093	472.81	21.143
500.70	12.354	478.32	18.191	473.26	21.031
499.88	12.434	478.13	18.271	473.18	20.923
499.80	12.499	476.59	18.374	473.22	20.806
499.69	12.598	476.25	18.454	474.46	20.651
499.24	12.649	475.69	18.515	472.95	20.525
498.64	12.748	475.35	18.627	475.59	20.398
498.71	12.865	475.17	18.716	474.87	20.234
498.38	12.926	474.75	18.777	473.97	20.079
498.04	13.019	474.26	18.866	476.30	19.873
497.92	13.108	474.04	18.983	476.79	19.798
497.40	13.202	473.85	19.068	475.77	19.616
497.51	13.282	473.85	19.114	476.30	19.419
496.91	13.403	474.15	19.217	475.73	19.269
496.87	13.460	472.84	19.283	476.30	19.199
496.46	13.563	473.48	19.400	476.63	18.979
495.86	13.703	472.12	19.452	478.06	18.819
495.41	13.764	472.09	19.555	477.69	18.665
495.33	13.872	471.30	19.681	478.78	18.459
494.66	13.984	471.37	19.775	480.24	18.341
492.70	14.078	470.70	19.831	478.44	18.159
494.02	14.167	470.32	19.916	478.93	17.943
493.79	14.289	471.41	20.005	481.48	17.765
493.53	14.350	469.65	20.117	479.87	17.676
493.31	14.429	470.47	20.164	480.88	17.390
492.67	14.556	469.08	20.281	481.78	17.208
492.59	14.640	468.44	20.417	482.91	17.072
491.09	14.706	468.48	20.510	483.06	16.753
491.77	14.842	467.92	20.571	482.65	16.556
491.01	14.940	467.58	20.712	483.06	16.336
490.98	14.992	467.13	20.820	483.51	16.060
490.30	15.099	467.05	20.890	484.07	15.957
489.44	15.174	466.45	21.016	483.06	15.760
489.74	15.240	466.26	21.129	484.83	15.526
488.91	15.287	465.78	21.227	485.01	15.418
489.25	15.366	465.21	21.330	485.61	15.259
489.06	15.455	464.91	21.429	485.09	15.053
488.73	15.526	464.69	21.527	486.78	14.912
488.35	15.605	464.35	21.616	487.49	14.743
488.05	15.643	464.05	21.719	487.95	14.612
486.77	15.765	463.82	21.813	487.04	14.462
487.41	15.854	463.49	21.939	488.28	14.331
486.06	15.961	463.49	22.061	488.92	14.191
484.40	16.097	462.81	22.122	489.33	14.069
484.33	16.163	463.00	22.202	489.60	13.933

489.86	13.778	513.90	7.4724	538.16	3.8135
490.46	13.671	514.35	7.3975	538.58	3.7620
490.61	13.582	514.57	7.3272	538.50	3.7198
491.21	13.408	514.80	7.2382	538.76	3.6823
491.02	13.286	515.29	7.2007	539.25	3.6308
491.44	13.169	515.63	7.1304	539.93	3.5980
491.89	13.024	516.19	7.0414	540.04	3.5605
492.34	12.893	517.09	6.9899	540.38	3.5043
493.20	12.757	517.13	6.9337	540.98	3.4621
492.30	12.645	517.24	6.8446	541.09	3.4340
492.94	12.518	517.81	6.7790	541.28	3.3872
494.07	12.387	517.84	6.7135	542.11	3.3497
494.33	12.270	518.33	6.6291	541.88	3.3169
495.08	12.157	518.59	6.5776	542.60	3.2701
494.33	12.054	518.93	6.5214	543.08	3.2373
495.91	11.914	519.91	6.4230	543.27	3.1998
495.98	11.801	519.64	6.3621	543.61	3.1389
496.17	11.731	520.47	6.3246	544.25	3.1342
496.40	11.576	520.70	6.2450	544.28	3.0920
496.77	11.506	521.30	6.1653	544.77	3.0546
497.67	11.398	521.26	6.1091	545.15	3.0218
498.16	11.253	521.75	6.0435	545.37	3.0077
497.48	11.159	522.01	5.9873	545.75	2.9749
498.61	11.094	522.39	5.9123	546.16	2.9281
497.37	10.953	523.06	5.8608	546.54	2.8953
499.21	10.855	522.69	5.8046	547.36	2.8437
499.66	10.747	523.63	5.7624	547.93	2.8250
500.12	10.621	524.08	5.6781	547.78	2.7828
500.45	10.555	524.38	5.6266	548.26	2.7313
500.57	10.443	524.60	5.5797	549.05	2.6985
501.43	10.316	524.79	5.5282	548.90	2.6798
497.28	10.213	525.51	5.4907	549.77	2.6235
497.99	10.124	525.73	5.4392	549.99	2.5907
501.73	10.058	526.33	5.3876	549.73	2.5673
502.86	9.9601	525.80	5.3220	550.33	2.5252
503.27	9.8805	526.97	5.2658	551.08	2.4924
503.31	9.7961	527.50	5.2283	551.38	2.4549
503.72	9.7024	527.61	5.1674	551.68	2.4268
504.55	9.6322	528.40	5.0925	552.09	2.4034
504.77	9.5291	528.51	5.0269	552.24	2.3659
505.30	9.4541	529.11	4.9707	552.96	2.3471
505.52	9.3979	529.34	4.9238	553.03	2.3097
505.79	9.3230	529.75	4.8770	553.18	2.2862
506.16	9.2199	529.41	4.8254	553.56	2.2534
506.43	9.1262	530.76	4.7552	554.27	2.2206
506.61	9.0325	530.80	4.7130	554.50	2.2019
507.36	8.9341	530.84	4.6802	554.91	2.1691
507.70	8.8357	531.33	4.6287	555.29	2.1504
508.38	8.7186	532.04	4.5631	555.55	2.1082
508.57	8.6390	532.57	4.5162	555.96	2.0848
509.05	8.5827	532.34	4.5022	556.34	2.0379
509.09	8.4844	533.13	4.4366	556.83	2.0192
509.69	8.4328	533.43	4.3804	556.94	1.9911
509.92	8.3485	533.92	4.3382	557.31	1.9583
510.48	8.2454	534.07	4.2867	557.61	1.9208
510.67	8.1705	534.63	4.2351	558.03	1.8927
511.08	8.1002	534.52	4.1930	558.48	1.8740
511.35	8.0205	535.08	4.1274	558.82	1.8505
511.87	7.9456	535.87	4.0759	559.27	1.8131
511.34	7.8706	535.38	4.0384	559.45	1.7990
512.40	7.7957	536.55	3.9915	560.02	1.7662
512.43	7.7113	536.70	3.9494	560.24	1.7475
510.97	7.6270	537.34	3.8932	560.66	1.7287
513.52	7.5567	537.67	3.8463	560.99	1.6959

561.29	1.6678	584.58	0.53876	605.56	0.074958
561.74	1.6491	584.61	0.52002	606.08	0.074958
561.86	1.6257	584.76	0.52471	606.50	0.065589
562.08	1.6022	585.36	0.50128	606.65	0.060904
562.68	1.5741	585.21	0.49660	607.58	0.056219
563.21	1.5507	585.81	0.48723	607.40	0.051534
563.36	1.5320	586.26	0.47786	607.77	0.051534
563.40	1.5085	586.56	0.46849	608.00	0.046849
563.85	1.4804	586.79	0.45443	608.45	0.051534
564.71	1.4664	587.31	0.44038	608.82	0.046849
565.16	1.4289	587.80	0.43101	609.27	0.042164
565.43	1.4102	587.99	0.42633	609.01	0.042164
565.88	1.3961	588.07	0.40759	609.50	0.032794
566.14	1.3774	588.29	0.40759	609.91	0.032794
566.44	1.3539	588.78	0.40290	610.25	0.028109
567.15	1.3305	588.93	0.38885	610.59	0.018740
567.30	1.3118	589.12	0.38416	610.92	0.023424
567.64	1.2883	590.02	0.37011	611.34	0.0093700
568.20	1.2696	590.13	0.36542	611.64	0.0046850
568.28	1.2509	590.66	0.35137	610.96	0.0093700
568.99	1.2321	591.26	0.34668	611.71	0.0000
569.41	1.2087	591.11	0.33263	612.12	0.0046850
569.67	1.1993	591.44	0.32326	612.27	0.0000
569.97	1.1759	591.71	0.32326	613.06	-0.0093700
570.49	1.1478	592.04	0.30920	611.12	-0.0046850
570.65	1.1291	592.53	0.30452	613.66	-0.0093700
571.25	1.1056	592.68	0.29515	613.66	-0.0093700
571.66	1.1010	593.25	0.29046	613.77	-0.018740
571.85	1.0682	593.70	0.28109	614.00	-0.023424
571.85	1.0541	594.15	0.27172	612.29	-0.023424
572.00	1.0447	594.26	0.26235	614.34	-0.023424
572.52	1.0213	594.60	0.26704	615.39	-0.023424
572.63	0.99788	595.16	0.24362	610.80	-0.032794
573.35	0.97914	595.69	0.24362	611.88	-0.028109
573.57	0.97914	595.87	0.23893	614.80	-0.032794
574.29	0.94166	596.48	0.22488	616.51	-0.037479
574.29	0.93230	596.85	0.21082	616.96	-0.046849
575.34	0.90887	596.89	0.21082	617.52	-0.051534
575.34	0.89950	597.15	0.20614	617.71	-0.051534
575.45	0.89013	597.41	0.20145	617.90	-0.046849
575.49	0.87139	598.13	0.20145	618.31	-0.056219
576.50	0.85265	598.28	0.18740	618.73	-0.051534
576.35	0.83391	598.50	0.18740	619.25	-0.060904
576.99	0.80580	599.03	0.18271	619.44	-0.065589
577.37	0.80112	599.25	0.17803	619.59	-0.065589
578.04	0.78706	599.89	0.16397	620.90	-0.060904
578.15	0.76364	599.93	0.15929	621.36	-0.074958
577.93	0.75895	599.70	0.15929	621.81	-0.089013
578.30	0.74490	600.45	0.14992	620.79	-0.079643
578.72	0.73084	600.79	0.14992	620.49	-0.074958
578.94	0.72148	601.54	0.14523	615.93	-0.070273
579.62	0.69805	601.58	0.13118	619.06	-0.065589
580.07	0.68868	601.96	0.13118	618.91	-0.065589
580.37	0.67931	602.26	0.12649	618.58	-0.065589
580.22	0.66994	602.14	0.12181	618.20	-0.065589
580.90	0.65120	602.67	0.11712	614.91	-0.060904
581.80	0.64183	603.49	0.11244	614.24	-0.051534
581.65	0.62778	603.34	0.11244	607.96	-0.056219
581.87	0.61372	603.79	0.098383	617.23	-0.051534
582.25	0.60435	604.28	0.093698	616.66	-0.042164
582.43	0.59498	604.28	0.089013	616.32	-0.051534
583.03	0.57624	604.69	0.089013	616.36	-0.037479
583.67	0.56687	605.26	0.084328	615.84	-0.042164
583.86	0.54813	605.22	0.084328	615.57	-0.032794

614.94	-0.032794	594.06	0.25299	572.44	0.94635
614.63	-0.028109	593.58	0.26235	571.91	0.96977
614.86	-0.023424	593.46	0.26704	571.57	0.98851
614.45	-0.023424	592.94	0.27641	571.24	1.0026
613.73	-0.023424	592.75	0.29046	570.82	1.0166
613.77	-0.018740	590.69	0.29515	570.45	1.0447
613.51	-0.014055	588.86	0.30452	570.45	1.0588
613.02	-0.014055	591.13	0.31389	570.26	1.0588
612.57	0.0000	591.29	0.32326	570.00	1.0916
612.27	-0.0046850	591.02	0.33263	569.58	1.1056
612.08	0.0000	590.80	0.34200	569.06	1.1337
611.75	0.0046850	590.80	0.35137	568.91	1.1478
611.52	0.0093700	590.38	0.35605	568.34	1.1853
610.96	0.014055	590.24	0.36542	568.42	1.1993
610.96	0.023424	589.93	0.37948	567.78	1.2134
610.28	0.018740	589.79	0.38416	567.26	1.2368
610.06	0.023424	588.77	0.39822	566.65	1.2462
609.64	0.023424	588.36	0.40290	566.69	1.2602
609.16	0.032794	588.36	0.41696	566.54	1.2837
609.19	0.037479	587.98	0.42164	566.13	1.2883
608.93	0.037479	587.64	0.44038	565.64	1.3165
608.59	0.046849	587.34	0.44506	565.64	1.3305
608.33	0.046849	587.04	0.45912	565.19	1.3586
607.84	0.051534	586.67	0.46849	564.66	1.3914
607.17	0.051534	586.56	0.48254	564.29	1.4148
607.02	0.060904	586.03	0.48254	563.84	1.4242
606.38	0.060904	585.69	0.49660	563.61	1.4476
606.83	0.065589	585.35	0.50597	563.35	1.4757
605.89	0.065589	584.98	0.52002	562.71	1.4945
606.27	0.070273	584.53	0.52002	562.37	1.5085
606.08	0.079643	584.53	0.54345	562.19	1.5366
604.91	0.079643	584.04	0.55282	562.07	1.5413
605.18	0.074958	584.04	0.55750	561.77	1.5741
604.09	0.079643	583.40	0.57624	561.10	1.5929
604.47	0.084328	583.63	0.58093	560.68	1.6210
603.86	0.089013	582.61	0.59498	560.57	1.6397
603.34	0.093698	582.24	0.60435	559.78	1.6678
602.89	0.089013	581.71	0.62778	559.90	1.6819
602.85	0.093698	581.64	0.62309	559.07	1.7240
602.59	0.098383	581.41	0.63715	559.14	1.7475
602.33	0.10307	580.55	0.64652	558.73	1.7709
601.99	0.10307	580.74	0.66994	558.81	1.8084
601.39	0.10775	580.36	0.67931	558.39	1.8084
600.90	0.11244	579.87	0.69336	558.06	1.8412
600.26	0.11712	579.91	0.69336	557.38	1.8740
600.26	0.12181	579.35	0.71679	557.08	1.8927
600.19	0.12649	579.01	0.73084	556.55	1.9208
599.62	0.13118	578.33	0.74490	555.99	1.9536
598.28	0.14055	577.88	0.75427	555.99	1.9770
598.91	0.15929	577.84	0.76832	555.80	1.9958
599.02	0.15460	577.28	0.78238	555.31	2.0239
598.38	0.16397	576.94	0.79175	554.67	2.0567
597.93	0.16866	576.42	0.80580	554.45	2.0707
597.67	0.16866	575.59	0.80112	554.19	2.0988
597.52	0.18271	575.74	0.81986	553.74	2.1035
597.18	0.17803	575.36	0.84328	553.36	2.1316
596.92	0.19208	574.99	0.84797	552.95	2.1504
596.17	0.19677	574.91	0.85265	552.84	2.1691
596.17	0.20145	574.61	0.87608	552.57	2.1925
595.83	0.21082	574.20	0.88545	552.27	2.2066
595.30	0.20614	573.60	0.89950	551.75	2.2300
595.08	0.23425	573.30	0.90419	551.30	2.2394
594.63	0.22956	573.07	0.91824	551.22	2.2628
594.40	0.24830	573.11	0.93230	551.18	2.3003

550.47	2.3331	528.88	4.5631	505.26	7.6832
550.25	2.3612	528.77	4.6193	504.88	7.7582
550.02	2.4034	528.65	4.6615	504.32	7.8519
549.76	2.4221	527.64	4.7036	504.55	7.9222
549.08	2.4689	527.64	4.7411	503.87	8.0065
548.89	2.4783	527.53	4.8020	503.49	8.1049
548.71	2.5298	526.85	4.8395	503.19	8.1517
548.44	2.5626	526.63	4.8957	502.78	8.2501
547.84	2.6001	525.99	4.9426	502.33	8.2970
547.43	2.6376	525.88	4.9613	502.11	8.4094
547.01	2.6704	525.35	5.0363	501.65	8.4750
546.64	2.6938	525.20	5.0691	501.47	8.5265
546.41	2.7266	524.48	5.1253	501.32	8.6296
546.04	2.7547	524.11	5.1581	503.27	8.6671
545.40	2.7922	523.81	5.1815	500.49	8.7420
545.25	2.8203	523.47	5.2190	499.85	8.8451
544.80	2.8578	523.17	5.2518	499.40	8.9013
544.80	2.8953	522.83	5.2939	499.40	8.9997
544.50	2.9093	522.57	5.3829	499.03	9.0653
544.28	2.9655	522.31	5.4157	498.57	9.1356
543.41	2.9983	521.97	5.4673	498.35	9.2293
543.22	3.0171	521.74	5.5282	498.99	9.2902
543.34	3.0405	521.33	5.5516	497.56	9.3651
543.04	3.0873	520.77	5.5985	497.49	9.4635
541.98	3.1201	520.54	5.6500	496.85	9.5478
541.65	3.1529	520.17	5.6922	498.20	9.5853
541.50	3.1857	519.83	5.7437	496.28	9.6509
541.35	3.2232	519.42	5.7812	495.87	9.7540
540.52	3.2654	519.27	5.8421	495.76	9.8289
540.37	3.2888	519.00	5.8749	496.40	9.8898
540.18	3.3122	518.93	5.9217	494.41	9.9695
539.81	3.3591	517.84	5.9779	494.22	10.035
540.00	3.3825	517.99	6.0342	493.92	10.124
539.69	3.4293	517.54	6.0576	493.35	10.190
539.06	3.4575	517.58	6.1232	493.32	10.237
538.72	3.5043	516.71	6.1747	492.87	10.326
538.57	3.5418	516.19	6.2403	492.87	10.400
538.46	3.5793	516.30	6.2825	492.08	10.475
537.85	3.6261	515.96	6.3106	491.70	10.536
537.59	3.6495	515.63	6.3761	491.14	10.611
536.88	3.6917	515.29	6.4277	491.14	10.677
536.76	3.7198	515.25	6.4605	490.57	10.775
536.24	3.7385	514.46	6.5214	490.12	10.850
536.24	3.7948	512.36	6.5729	490.28	10.897
535.71	3.8276	514.39	6.6198	489.60	11.014
535.41	3.8604	513.79	6.6807	489.22	11.094
534.77	3.9072	513.37	6.7463	488.85	11.183
534.29	3.9353	511.00	6.7931	488.77	11.244
534.14	3.9728	510.55	6.8868	488.40	11.333
534.06	4.0056	510.44	6.9477	488.10	11.380
533.31	4.0478	510.67	6.9992	487.65	11.455
532.93	4.0946	511.68	7.0601	487.31	11.534
532.67	4.1368	509.16	7.0929	486.82	11.609
532.07	4.1742	511.16	7.1445	486.71	11.703
532.41	4.2024	510.71	7.2054	486.22	11.806
531.73	4.2445	509.58	7.2522	485.88	11.890
531.21	4.2961	508.19	7.3038	485.54	11.989
531.36	4.3101	507.59	7.3272	485.39	12.064
530.83	4.3429	507.55	7.3787	485.54	12.125
530.38	4.3757	507.21	7.4256	484.53	12.214
530.23	4.4038	506.57	7.4677	484.12	12.288
529.48	4.4460	506.16	7.5146	483.89	12.368
529.10	4.4834	506.01	7.5614	483.67	12.452
529.18	4.5209	506.84	7.6458	483.29	12.579

482.84	12.659	461.02	18.679	446.34	24.174
482.43	12.734	460.53	18.796	446.91	24.104
482.09	12.832	460.12	18.885	447.09	23.977
481.64	12.916	459.90	18.993	447.81	23.912
481.49	12.977	459.52	19.124	447.81	23.785
481.26	13.057	459.11	19.227	448.07	23.696
480.81	13.165	458.69	19.335	448.82	23.546
480.47	13.263	458.51	19.424	449.65	23.439
480.14	13.371	458.13	19.531	449.42	23.326
479.61	13.441	457.79	19.639	449.76	23.214
479.38	13.530	457.38	19.789	450.25	23.097
478.93	13.638	456.97	19.855	450.70	22.928
478.75	13.708	456.85	19.976	451.04	22.848
478.41	13.806	456.29	20.122	451.53	22.698
478.22	13.881	456.07	20.215	451.79	22.595
477.81	13.970	455.69	20.323	452.17	22.408
477.32	14.087	455.39	20.403	452.54	22.258
476.98	14.172	454.90	20.515	452.80	22.113
476.76	14.223	454.75	20.600	453.37	21.949
476.38	14.326	454.38	20.735	453.74	21.794
476.08	14.406	454.00	20.820	454.16	21.635
475.71	14.509	453.74	20.923	454.42	21.424
475.40	14.608	453.32	21.012	454.91	21.307
474.84	14.697	453.10	21.105	455.17	21.134
474.58	14.800	452.72	21.204	455.73	20.881
474.32	14.917	452.24	21.344	455.88	20.707
474.02	15.010	452.09	21.391	456.52	20.473
473.53	15.113	451.75	21.494	456.67	20.412
473.38	15.174	451.18	21.625	457.12	20.178
472.89	15.301	450.92	21.729	457.50	19.981
472.59	15.385	450.73	21.832	458.06	19.737
472.25	15.479	450.25	21.935	458.40	19.597
471.87	15.601	450.02	22.024	458.85	19.424
471.54	15.657	449.53	22.160	459.34	19.171
471.16	15.783	449.31	22.272	459.49	18.983
470.94	15.872	449.01	22.356	460.02	18.796
470.56	15.976	448.67	22.450	460.39	18.590
470.30	16.102	448.30	22.591	460.69	18.407
469.92	16.168	447.84	22.666	461.11	18.266
469.51	16.266	447.47	22.787	461.60	18.018
469.51	16.350	447.17	22.909	462.01	17.831
468.87	16.435	446.90	22.993	462.50	17.653
468.50	16.524	446.57	23.097	462.84	17.423
468.27	16.613	446.04	23.200	463.06	17.297
467.82	16.725	445.78	23.293	463.70	17.067
467.56	16.805	445.59	23.415	463.93	16.950
467.07	16.880	445.14	23.499	464.41	16.734
466.81	16.983	444.73	23.556	464.68	16.570
466.51	17.072	444.43	23.668	465.24	16.397
466.20	17.156	444.16	23.790	465.43	16.238
465.72	17.287	443.86	23.874	465.84	16.055
465.42	17.344	443.53	23.940	466.14	15.947
465.34	17.433	443.19	24.048	466.67	15.741
464.74	17.578	442.96	24.160	467.01	15.587
464.36	17.690	443.08	24.258	467.46	15.385
464.06	17.784	443.38	24.315	467.87	15.231
463.76	17.915	443.49	24.338	468.24	15.160
463.31	17.981	443.53	24.361	468.58	14.987
463.01	18.084	443.75	24.376	469.00	14.804
462.60	18.210	444.01	24.390	469.30	14.687
462.34	18.299	444.47	24.376	469.86	14.519
461.89	18.430	445.07	24.361	470.27	14.378
461.62	18.477	445.78	24.324	470.57	14.223
461.28	18.580	446.61	24.282	471.06	14.087

471.36	13.942	495.81	7.4443	519.81	3.7573
471.81	13.820	496.08	7.3787	520.30	3.7151
472.04	13.633	496.75	7.2897	520.83	3.6589
472.49	13.544	497.05	7.2241	522.29	3.6308
472.94	13.422	497.47	7.1538	521.39	3.5793
473.09	13.296	497.84	7.0836	524.32	3.5465
473.73	13.118	498.11	7.0273	522.18	3.4809
474.07	13.038	498.59	6.9290	522.52	3.4293
474.52	12.869	498.82	6.8821	522.93	3.4059
474.70	12.743	499.19	6.8118	523.04	3.3731
475.27	12.626	499.57	6.7556	524.66	3.3216
475.76	12.485	500.10	6.6619	524.10	3.2888
475.83	12.373	500.28	6.6244	523.20	3.2279
476.32	12.284	501.07	6.5261	522.35	3.1951
476.88	12.153	501.15	6.4605	527.37	3.1764
477.18	12.040	501.56	6.4043	527.70	3.1201
477.63	11.895	501.82	6.3387	525.75	3.0873
477.97	11.820	502.31	6.2590	526.46	3.0499
478.42	11.708	502.65	6.2075	526.69	3.0264
478.61	11.595	503.18	6.1419	527.02	2.9796
479.21	11.455	503.48	6.0810	527.44	2.9468
479.47	11.352	503.66	6.0201	528.90	2.9093
479.89	11.248	504.19	5.9639	528.79	2.8812
480.38	11.136	504.49	5.9123	528.41	2.8344
480.64	11.038	504.83	5.8795	528.98	2.7922
481.20	10.906	505.43	5.8046	529.62	2.7547
481.43	10.855	505.58	5.7484	529.69	2.7360
481.80	10.719	506.03	5.6922	531.35	2.6938
482.25	10.625	506.22	5.6594	532.44	2.6423
482.70	10.522	506.71	5.5797	530.78	2.6095
482.85	10.424	506.93	5.5188	531.04	2.5861
483.19	10.321	507.72	5.4392	531.49	2.5345
483.53	10.222	507.76	5.3876	534.24	2.5017
484.06	10.119	508.21	5.3455	534.24	2.4689
484.47	10.030	508.43	5.2799	533.86	2.4361
484.85	9.9320	508.96	5.2049	533.15	2.4034
485.26	9.8195	509.45	5.1534	533.71	2.3659
485.56	9.7165	509.86	5.0925	533.75	2.3331
486.05	9.6228	510.16	5.0550	533.94	2.3143
486.31	9.5431	510.42	4.9988	534.50	2.2581
486.72	9.4541	510.91	4.9191	534.87	2.2394
487.25	9.3370	511.36	4.8723	535.59	2.2019
487.66	9.2527	512.68	4.8442	537.81	2.1785
488.04	9.1543	514.29	4.7599	538.30	2.1410
488.34	9.0747	512.90	4.7130	536.87	2.1082
488.64	8.9856	513.50	4.6615	537.81	2.0848
489.13	8.8966	513.24	4.6006	539.42	2.0473
489.58	8.8029	513.43	4.5537	537.88	2.0332
489.80	8.7467	516.51	4.5209	539.38	1.9911
490.10	8.6577	515.38	4.4600	540.32	1.9536
490.67	8.5499	517.30	4.4085	540.70	1.9349
491.12	8.4656	517.15	4.3570	540.32	1.9068
491.38	8.3860	515.53	4.3195	539.57	1.8786
491.61	8.3016	515.83	4.2633	541.90	1.8552
492.25	8.2220	516.13	4.2164	542.20	1.8177
492.55	8.1470	517.75	4.1602	540.43	1.8084
492.88	8.0440	516.85	4.1133	542.65	1.7849
493.18	8.0018	517.33	4.0759	543.29	1.7615
493.64	7.9128	517.71	4.0103	542.84	1.7287
494.09	7.8097	518.05	3.9634	543.10	1.6959
494.27	7.7348	518.23	3.9353	542.76	1.6678
494.65	7.6926	518.72	3.8885	544.64	1.6350
495.29	7.5849	518.95	3.8369	545.09	1.6210
495.63	7.5099	519.25	3.7948	545.20	1.5882

545.62	1.5554	568.41	0.45443	590.34	0.028109
545.73	1.5413	568.71	0.44975	590.82	0.023424
546.56	1.5132	569.61	0.44038	591.31	0.0093700
546.93	1.4898	569.69	0.42164	591.39	0.0093700
545.20	1.4664	569.87	0.42633	591.61	0.0093700
547.46	1.4523	570.29	0.40759	591.61	0.0046850
547.12	1.4242	570.63	0.39353	591.76	0.0046850
547.19	1.4008	570.81	0.38416	592.29	0.0000
548.85	1.3680	571.15	0.37479	592.81	-0.0046850
549.00	1.3493	571.49	0.37011	593.04	-0.0046850
549.37	1.3305	572.09	0.36074	593.71	-0.014055
550.01	1.3071	572.58	0.34668	593.86	-0.014055
550.35	1.2883	572.43	0.33263	594.16	-0.018740
550.69	1.2649	572.88	0.32794	594.58	-0.023424
551.33	1.2509	573.44	0.32794	594.54	-0.023424
551.29	1.2181	573.67	0.31389	595.10	-0.023424
551.44	1.2040	573.78	0.30452	595.55	-0.032794
551.66	1.1853	574.30	0.29515	595.59	-0.028109
552.26	1.1665	574.98	0.29046	596.23	-0.032794
552.34	1.1478	575.02	0.28109	596.34	-0.032794
553.05	1.1150	575.17	0.27172	596.98	-0.028109
553.35	1.1056	575.51	0.26235	597.17	-0.037479
553.54	1.0916	575.99	0.25767	597.66	-0.046849
553.77	1.0588	576.26	0.25299	597.99	-0.037479
554.48	1.0447	576.29	0.23893	598.29	-0.042164
554.59	1.0260	577.01	0.22956	598.74	-0.046849
555.31	1.0119	577.42	0.22019	598.74	-0.046849
555.49	0.98851	577.61	0.22019	599.34	-0.051534
555.53	0.96977	577.98	0.21082	599.49	-0.051534
556.24	0.95104	578.40	0.20145	599.83	-0.056219
555.94	0.92761	578.62	0.19677	600.06	-0.065589
557.11	0.91356	579.19	0.18740	600.62	-0.056219
557.56	0.90419	579.37	0.18740	600.81	-0.056219
557.82	0.88076	579.71	0.17803	601.07	-0.060904
558.27	0.87608	579.86	0.16397	601.18	-0.056219
558.31	0.85734	580.46	0.16866	601.67	-0.056219
558.27	0.83860	580.69	0.15929	602.19	-0.065589
559.02	0.81986	581.06	0.14992	602.12	-0.070273
559.32	0.80112	581.59	0.14055	602.72	-0.074958
559.74	0.79175	582.04	0.13586	603.17	-0.074958
560.26	0.77769	582.64	0.13586	603.66	-0.070273
560.41	0.75427	582.72	0.12649	603.77	-0.074958
560.64	0.74490	583.09	0.12181	604.00	-0.074958
561.13	0.73553	583.39	0.11244	604.63	-0.074958
561.39	0.72148	583.69	0.11712	604.75	-0.089013
561.91	0.70274	583.69	0.11244	605.08	-0.089013
562.10	0.68868	584.07	0.10307	605.31	-0.093698
562.48	0.67463	584.29	0.10307	605.68	-0.098383
562.97	0.66057	584.40	0.089013	606.02	-0.093698
563.60	0.64183	584.89	0.089013	606.32	-0.098383
563.30	0.62778	585.38	0.079643	606.77	-0.098383
563.87	0.62309	585.64	0.079643	606.77	-0.098383
564.24	0.60435	586.09	0.079643	607.03	-0.098383
564.62	0.59498	586.58	0.070273	607.41	-0.10307
564.80	0.57624	586.62	0.065589	607.56	-0.10307
564.99	0.56687	586.88	0.051534	608.16	-0.10307
565.37	0.56219	587.26	0.056219	608.46	-0.10307
565.86	0.54813	587.86	0.051534	608.61	-0.11244
566.16	0.52939	587.78	0.046849	609.14	-0.11244
566.65	0.51534	588.46	0.037479	609.62	-0.10775
566.68	0.50128	588.91	0.037479	609.92	-0.10775
567.40	0.49660	589.21	0.037479	610.26	-0.10775
567.70	0.48723	589.66	0.032794	611.92	-0.11244
568.22	0.47317	589.85	0.032794	611.77	-0.12649

611.09	-0.11712	589.65	0.023424	568.29	0.45443
610.15	-0.13118	589.73	0.028109	568.18	0.45443
609.93	-0.12181	589.39	0.037479	568.03	0.46380
609.74	-0.11712	588.94	0.032794	567.80	0.48254
609.44	-0.12181	588.60	0.042164	567.35	0.49660
609.10	-0.11712	588.30	0.046849	567.05	0.50128
608.80	-0.11712	587.66	0.042164	566.67	0.52002
608.61	-0.10775	587.55	0.051534	566.37	0.53876
608.27	-0.11712	587.25	0.060904	565.81	0.54813
608.01	-0.11244	586.80	0.065589	565.66	0.56687
607.71	-0.11712	586.46	0.056219	565.28	0.57156
607.52	-0.11244	586.35	0.074958	564.76	0.58561
607.04	-0.11244	585.79	0.074958	564.38	0.59498
606.36	-0.10775	585.49	0.079643	564.04	0.61372
605.95	-0.11244	585.30	0.089013	563.56	0.62778
605.80	-0.10307	584.96	0.089013	563.18	0.63715
606.25	-0.11244	584.59	0.093698	563.03	0.66057
605.57	-0.11244	584.47	0.10307	562.77	0.67463
605.12	-0.098383	584.10	0.10775	562.47	0.67931
605.24	-0.098383	583.38	0.11244	562.02	0.68868
604.86	-0.098383	583.05	0.10775	561.60	0.72616
604.37	-0.093698	582.37	0.12181	561.53	0.73084
604.22	-0.098383	582.52	0.12181	560.96	0.74958
604.07	-0.089013	582.18	0.13586	560.63	0.75895
603.70	-0.093698	581.96	0.14055	560.03	0.77301
603.10	-0.089013	581.81	0.14992	560.33	0.79175
602.57	-0.089013	581.24	0.14992	559.65	0.80112
602.38	-0.079643	580.79	0.16397	559.35	0.81517
602.08	-0.074958	580.98	0.16397	558.83	0.83860
602.01	-0.074958	580.76	0.16397	558.64	0.85265
601.82	-0.079643	579.97	0.17334	558.11	0.86202
601.11	-0.074958	580.08	0.18271	557.73	0.88545
601.11	-0.070273	578.73	0.20145	557.40	0.89013
600.58	-0.079643	579.56	0.19208	557.06	0.90419
600.24	-0.056219	578.54	0.20145	556.72	0.92292
600.21	-0.056219	578.16	0.22019	556.57	0.93698
599.42	-0.060904	577.71	0.23425	556.08	0.96040
599.42	-0.051534	577.64	0.23893	555.86	0.97446
599.15	-0.042164	577.64	0.25299	555.48	0.98383
599.16	-0.046849	577.15	0.25767	555.11	1.0026
598.82	-0.037479	577.23	0.26704	554.73	1.0213
598.37	-0.046849	576.66	0.27172	554.39	1.0307
597.54	-0.037479	576.02	0.27641	554.17	1.0494
597.47	-0.037479	575.91	0.29046	553.79	1.0635
596.94	-0.037479	575.20	0.29046	553.68	1.0822
596.98	-0.032794	574.86	0.29983	553.00	1.0963
596.41	-0.032794	574.86	0.30920	552.67	1.1197
596.34	-0.032794	574.37	0.31389	552.22	1.1244
595.59	-0.028109	574.37	0.31857	551.99	1.1525
594.61	-0.032794	573.73	0.33263	551.46	1.1853
594.46	-0.028109	574.00	0.34200	551.31	1.1853
594.50	-0.023424	573.10	0.34200	551.24	1.2040
594.12	-0.023424	572.57	0.35605	550.79	1.2228
593.90	-0.028109	572.08	0.36542	550.45	1.2321
593.30	-0.018740	571.97	0.36542	550.08	1.2509
592.70	-0.014055	571.63	0.37479	549.44	1.2649
592.58	-0.014055	571.10	0.38885	549.21	1.2883
592.06	-0.0046850	570.73	0.38885	548.80	1.3118
591.94	0.0046850	570.92	0.38885	548.57	1.3258
591.64	-0.0046850	569.86	0.41227	548.20	1.3586
591.50	0.0046850	569.98	0.42164	548.01	1.3680
590.89	0.0046850	569.49	0.42164	547.52	1.4008
590.29	0.018740	569.26	0.43101	547.56	1.4195
590.22	0.018740	568.89	0.44975	547.15	1.4523

546.58	1.4711	523.68	3.2841	500.62	5.9686
546.43	1.4992	522.44	3.3122	500.06	6.0060
545.91	1.5273	523.04	3.3731	499.79	6.0623
545.61	1.5413	523.98	3.4012	499.46	6.0951
545.34	1.5648	523.83	3.4247	499.04	6.1466
545.01	1.5976	521.95	3.4621	498.63	6.1934
544.89	1.6069	520.41	3.4903	498.44	6.2497
543.95	1.6444	521.42	3.5465	497.99	6.2965
543.88	1.6538	521.12	3.5933	497.73	6.3480
543.35	1.6819	520.45	3.6214	497.58	6.4043
542.98	1.7006	520.94	3.6542	497.09	6.4558
543.28	1.7100	518.98	3.6730	496.87	6.4980
542.64	1.7615	518.49	3.7292	496.38	6.5635
542.38	1.7849	519.17	3.7620	496.08	6.6057
541.89	1.8037	518.16	3.7995	495.74	6.6760
541.52	1.8365	517.48	3.8182	495.40	6.7416
541.33	1.8505	518.42	3.8510	494.88	6.8025
540.92	1.8833	516.50	3.8885	494.65	6.8681
541.07	1.9068	516.28	3.9400	494.09	6.9055
540.31	1.9302	516.13	3.9634	493.71	7.0039
539.79	1.9489	516.99	3.9962	493.64	7.0555
539.60	1.9911	516.54	4.0384	493.22	7.0976
539.37	2.0051	515.04	4.0805	492.88	7.1679
539.19	2.0379	514.70	4.1321	492.43	7.2335
538.62	2.0660	514.21	4.1649	492.13	7.2850
537.91	2.0895	513.80	4.2164	491.80	7.3553
537.38	2.1176	513.72	4.2726	491.31	7.4068
537.57	2.1457	513.61	4.3101	490.86	7.4818
537.01	2.1785	513.16	4.3288	490.56	7.5474
537.12	2.1878	512.60	4.3757	490.33	7.6083
536.30	2.2253	512.07	4.4366	490.03	7.6645
535.81	2.2488	512.15	4.4647	489.50	7.7535
535.51	2.2909	511.47	4.4928	489.43	7.7957
535.32	2.2862	511.13	4.5490	489.13	7.8800
534.94	2.3331	510.83	4.5865	488.57	7.9550
534.87	2.3612	510.61	4.6240	488.34	8.0205
534.27	2.4034	510.01	4.6615	487.89	8.0627
533.29	2.4127	509.63	4.7177	487.55	8.1517
533.21	2.4455	509.41	4.7552	487.21	8.2220
532.88	2.4783	509.03	4.7973	486.99	8.2876
532.95	2.5017	508.96	4.8301	486.65	8.3485
532.80	2.5298	508.66	4.8723	486.46	8.4516
532.28	2.5580	508.17	4.9191	485.82	8.5218
531.83	2.5954	507.75	4.9660	485.67	8.5968
531.30	2.6048	507.30	5.0222	485.45	8.6671
530.96	2.6563	507.08	5.0691	485.07	8.7327
530.55	2.6844	506.85	5.1112	484.81	8.7795
530.63	2.6985	506.52	5.1440	484.40	8.8451
529.42	2.7407	505.91	5.1956	484.17	8.9013
529.27	2.7735	506.89	5.2330	483.38	8.9528
529.27	2.8016	505.20	5.2565	483.04	8.9997
529.12	2.8156	505.05	5.3267	482.89	9.0512
528.82	2.8531	504.79	5.3502	482.48	9.1028
528.37	2.8765	504.34	5.3829	483.05	9.1402
527.43	2.9234	504.08	5.4111	481.81	9.1965
528.03	2.9421	503.70	5.4485	481.84	9.2339
527.58	2.9749	503.48	5.4860	481.20	9.2902
527.40	3.0030	503.10	5.5235	481.17	9.3417
525.10	3.0546	502.76	5.5563	480.45	9.4120
526.68	3.0827	502.31	5.6219	480.19	9.4635
525.18	3.1295	502.05	5.7296	480.23	9.5057
526.04	3.1483	501.67	5.7765	479.44	9.5713
525.48	3.2092	501.22	5.8561	479.14	9.6322
525.48	3.2279	500.96	5.9077	478.84	9.6743

478.54	9.7493	456.31	15.591	434.57	22.689
477.98	9.8242	456.16	15.732	434.34	22.759
477.68	9.8898	455.78	15.849	433.78	22.909
477.38	9.9788	455.41	16.032	433.40	23.040
477.07	10.030	454.96	16.121	433.37	23.157
476.89	10.124	454.69	16.299	432.54	23.275
476.44	10.274	454.39	16.397	429.41	23.392
476.10	10.382	453.90	16.566	432.13	23.481
475.87	10.443	453.60	16.641	431.79	23.617
475.46	10.550	453.15	16.795	431.45	23.710
475.08	10.672	452.78	16.903	431.30	23.776
474.90	10.742	452.44	17.025	430.81	23.921
474.45	10.803	452.14	17.095	430.33	24.034
474.07	10.921	451.73	17.170	429.99	24.137
473.58	11.019	451.35	17.283	429.69	24.282
473.24	11.131	451.13	17.376	428.86	24.329
473.09	11.188	450.67	17.479	421.81	24.455
472.83	11.267	450.34	17.601	427.22	24.591
472.38	11.380	450.11	17.695	428.41	24.685
472.12	11.506	449.81	17.793	428.07	24.821
471.89	11.567	449.36	17.878	427.70	24.896
471.18	11.689	448.99	17.999	427.25	25.017
471.03	11.773	448.61	18.107	427.40	25.116
470.69	11.820	448.35	18.210	426.80	25.228
470.43	11.937	447.93	18.374	426.35	25.331
470.02	12.026	447.63	18.454	425.90	25.472
469.64	12.106	447.33	18.562	425.78	25.519
469.38	12.162	446.99	18.730	425.41	25.655
468.96	12.274	446.58	18.824	424.92	25.725
468.59	12.382	446.32	18.927	424.54	25.870
467.95	12.513	445.83	19.077	424.17	25.992
467.99	12.598	445.76	19.185	424.09	26.095
467.61	12.659	445.38	19.321	424.06	26.156
467.24	12.780	445.08	19.377	424.28	26.254
466.79	12.883	444.63	19.513	424.21	26.292
466.56	12.968	444.33	19.602	424.32	26.329
466.00	13.047	444.03	19.723	425.26	26.348
465.96	13.179	443.65	19.831	425.75	26.339
465.36	13.263	443.32	19.930	425.52	26.306
464.94	13.371	442.94	20.033	425.90	26.249
464.46	13.460	442.71	20.131	426.35	26.193
464.31	13.535	442.34	20.262	426.72	26.090
463.82	13.624	441.89	20.356	427.14	25.982
463.67	13.708	441.55	20.412	427.74	25.837
463.29	13.806	441.40	20.506	428.23	25.720
462.88	13.900	440.91	20.646	428.30	25.631
462.54	13.994	440.57	20.717	428.68	25.514
462.24	14.097	441.81	20.810	429.28	25.350
461.87	14.191	439.90	20.946	429.58	25.280
461.60	14.303	439.64	21.035	430.03	25.116
461.26	14.406	439.26	21.166	430.40	24.989
460.81	14.467	439.07	21.237	430.67	24.886
460.48	14.551	437.69	21.358	430.93	24.736
460.18	14.636	436.53	21.457	431.49	24.610
459.76	14.734	437.87	21.560	431.94	24.455
459.31	14.814	437.65	21.672	432.21	24.319
459.16	14.870	437.31	21.808	432.62	24.113
458.86	14.921	436.63	21.925	433.11	24.010
458.30	15.024	436.37	22.005	433.33	23.837
458.07	15.076	436.22	22.113	433.75	23.617
457.66	15.193	436.11	22.253	434.20	23.434
457.28	15.287	435.54	22.314	434.72	23.214
457.13	15.371	434.95	22.469	434.99	23.125
456.80	15.484	429.31	22.581	435.25	22.928

435.55	22.741	460.27	12.199	485.09	6.4698
436.15	22.488	460.79	12.045	485.28	6.4089
436.34	22.342	461.13	11.937	485.92	6.3480
436.79	22.136	461.66	11.815	486.18	6.2871
437.28	21.883	461.99	11.703	486.78	6.2028
437.62	21.691	462.33	11.595	487.05	6.1466
437.95	21.433	462.78	11.497	487.31	6.0904
438.33	21.213	463.23	11.394	487.53	6.0248
438.67	21.082	463.50	11.286	488.40	5.9451
439.08	20.871	464.02	11.155	489.60	5.9030
439.49	20.600	464.32	11.047	489.15	5.8514
439.72	20.389	464.59	10.995	489.03	5.7999
440.25	20.225	465.07	10.846	490.92	5.7109
440.77	19.981	465.52	10.752	490.16	5.6640
441.26	19.798	465.75	10.649	490.24	5.5938
441.37	19.602	466.24	10.532	490.84	5.5376
441.82	19.349	466.58	10.415	491.29	5.4626
442.20	19.208	467.03	10.344	491.74	5.4204
442.50	19.100	467.44	10.255	492.00	5.3548
443.03	18.843	468.00	10.124	493.28	5.3080
443.33	18.674	468.12	10.021	493.39	5.2283
443.85	18.440	468.72	9.9367	493.05	5.1815
444.23	18.337	468.98	9.8430	494.78	5.1112
444.49	18.163	469.32	9.7352	493.96	5.0784
444.72	17.990	469.92	9.6181	496.14	5.0128
445.28	17.742	470.18	9.5666	496.48	4.9566
445.73	17.639	470.52	9.4682	496.70	4.8817
445.99	17.461	471.08	9.3464	497.56	4.8442
446.33	17.259	471.42	9.2620	497.79	4.7786
446.86	17.161	471.65	9.1777	496.85	4.7505
447.23	17.016	472.21	9.0840	498.58	4.6802
447.65	16.791	472.66	8.9997	497.07	4.6193
447.95	16.594	472.81	8.9200	497.67	4.5725
448.13	16.402	473.26	8.8264	499.10	4.5256
448.70	16.257	473.49	8.7467	499.89	4.4694
448.96	16.046	474.28	8.6436	499.82	4.4413
449.34	15.886	474.28	8.5827	499.78	4.3710
449.60	15.732	474.76	8.4984	500.19	4.3242
450.09	15.530	475.25	8.4188	500.00	4.2633
450.46	15.427	475.63	8.3063	500.98	4.2258
450.91	15.240	475.85	8.2361	501.96	4.1836
451.29	15.099	476.30	8.1377	502.67	4.1180
451.67	15.024	476.68	8.1189	502.11	4.0805
452.00	14.818	477.13	8.0018	502.22	4.0384
452.38	14.687	477.17	7.9269	502.67	3.9869
452.87	14.565	477.99	7.8472	501.77	3.9400
453.36	14.397	479.35	7.7676	503.50	3.9025
453.69	14.261	478.48	7.6739	503.38	3.8510
454.03	14.181	478.93	7.6411	504.51	3.8041
454.44	14.017	479.31	7.5474	504.29	3.7620
454.93	13.886	479.57	7.4771	503.68	3.7198
455.23	13.731	480.13	7.3881	505.94	3.6683
455.53	13.638	480.36	7.3178	506.43	3.6261
456.14	13.516	480.96	7.2710	506.54	3.5839
456.51	13.389	482.88	7.1726	506.95	3.5371
456.77	13.221	481.71	7.1023	507.37	3.4949
457.22	13.136	481.94	7.0367	507.10	3.4387
457.49	13.010	482.39	6.9524	507.82	3.4059
458.05	12.855	482.84	6.8915	508.42	3.3638
458.35	12.771	483.18	6.8025	508.15	3.3356
459.03	12.654	483.40	6.7509	509.09	3.2935
459.25	12.495	483.89	6.6619	509.43	3.2513
459.59	12.378	484.42	6.6244	509.85	3.1904
460.08	12.274	484.94	6.5401	510.11	3.1576

510.52	3.1201	533.77	1.1853	555.77	0.29046
511.05	3.0827	533.69	1.1712	556.33	0.28109
511.20	3.0405	534.41	1.1525	556.44	0.27172
511.65	3.0030	534.82	1.1337	557.20	0.26704
511.50	2.9796	534.74	1.1103	557.27	0.25767
512.36	2.9281	535.16	1.0869	557.76	0.23893
512.89	2.8906	535.76	1.0635	558.29	0.22956
512.96	2.8484	535.94	1.0494	558.28	0.22488
513.07	2.8156	536.73	1.0400	559.11	0.22019
513.71	2.7828	537.03	1.0166	559.45	0.20145
514.20	2.7454	537.15	0.99320	559.71	0.20145
514.58	2.7032	537.63	0.97446	560.01	0.19677
514.50	2.6704	537.90	0.96509	560.39	0.18271
515.52	2.6376	538.27	0.94166	560.54	0.16866
515.44	2.6001	538.46	0.93698	561.03	0.17334
516.08	2.5626	538.91	0.92292	561.55	0.15929
516.34	2.5111	539.06	0.90887	561.78	0.15460
516.64	2.4924	539.51	0.89013	562.11	0.14992
517.02	2.4596	539.81	0.88076	562.19	0.14055
517.28	2.4221	540.07	0.86202	563.05	0.13586
517.73	2.3846	540.30	0.83860	563.43	0.13118
517.77	2.3612	540.82	0.81049	563.65	0.13118
518.63	2.3378	541.13	0.79643	563.84	0.12181
518.78	2.2862	541.61	0.79643	564.18	0.11712
519.12	2.2675	541.58	0.75895	564.59	0.11712
519.46	2.2253	541.95	0.74958	564.86	0.11244
519.72	2.1878	542.44	0.73553	565.12	0.10775
520.10	2.1597	542.67	0.71679	565.57	0.093698
520.06	2.1269	542.59	0.69805	565.98	0.093698
520.47	2.1035	543.30	0.68868	565.94	0.093698
520.92	2.0754	543.83	0.67463	566.77	0.074958
521.49	2.0520	544.20	0.65589	567.26	0.079643
521.94	2.0098	544.47	0.64183	567.52	0.074958
522.39	1.9817	544.77	0.63715	568.08	0.065589
522.84	1.9489	545.22	0.61841	568.31	0.065589
522.80	1.9161	545.74	0.60435	568.72	0.056219
523.18	1.9021	545.86	0.59967	568.95	0.046849
523.48	1.8552	546.01	0.58561	569.17	0.037479
523.89	1.8271	546.31	0.56687	569.36	0.037479
524.27	1.8084	546.57	0.56219	570.00	0.028109
524.64	1.7803	546.91	0.53876	570.07	0.023424
525.24	1.7475	547.32	0.53408	570.49	0.014055
525.20	1.7287	547.92	0.50597	571.16	0.014055
525.50	1.6959	548.18	0.51065	571.31	0.0046850
525.65	1.6678	548.71	0.49191	571.58	0.0046850
526.41	1.6538	549.01	0.47786	572.21	0.0000
526.59	1.6069	549.35	0.46849	572.21	-0.0093700
527.04	1.5835	549.87	0.46380	572.74	-0.0046850
527.23	1.5601	550.06	0.44975	572.97	-0.014055
527.68	1.5460	550.40	0.43570	573.60	-0.014055
528.28	1.5226	550.70	0.43101	573.79	-0.018740
528.85	1.4898	551.07	0.42164	574.39	-0.018740
529.41	1.4664	551.68	0.41227	574.43	-0.028109
529.37	1.4429	551.86	0.39822	574.84	-0.023424
530.39	1.4148	551.97	0.38416	575.18	-0.037479
530.35	1.3961	552.20	0.37479	575.33	-0.037479
530.27	1.3633	552.80	0.36542	575.63	-0.037479
528.33	1.3446	553.37	0.36074	576.01	-0.037479
531.36	1.3165	553.52	0.34668	576.57	-0.051534
531.55	1.2977	553.97	0.34200	576.76	-0.051534
531.89	1.2790	554.27	0.33263	576.98	-0.056219
532.19	1.2649	554.64	0.32326	577.06	-0.056219
532.83	1.2274	554.87	0.30920	577.66	-0.060904
533.47	1.2087	555.28	0.29515	578.07	-0.074958

577.99	-0.070273	561.85	0.12649	540.18	0.87139
578.41	-0.070273	561.66	0.14055	539.73	0.87139
578.90	-0.074958	561.21	0.14055	539.65	0.89482
579.20	-0.070273	560.87	0.15460	539.54	0.90887
579.42	-0.079643	560.23	0.16397	539.24	0.92761
580.32	-0.084328	559.97	0.16866	538.49	0.95104
581.15	-0.089013	559.93	0.17334	538.34	0.96977
581.71	-0.093698	559.18	0.18271	537.81	0.98851
581.64	-0.098383	558.92	0.19677	538.04	0.99788
580.74	-0.10307	558.50	0.19677	537.29	1.0213
580.25	-0.098383	558.35	0.20145	536.84	1.0400
579.99	-0.093698	558.09	0.22019	536.72	1.0541
580.10	-0.098383	557.75	0.22956	536.05	1.0775
580.33	-0.093698	557.34	0.23893	535.86	1.0916
579.80	-0.098383	556.81	0.23893	535.45	1.1056
579.69	-0.098383	556.63	0.24830	534.85	1.1478
578.90	-0.093698	556.03	0.25767	534.66	1.1712
578.60	-0.098383	556.06	0.26704	534.25	1.1853
578.75	-0.093698	555.69	0.27172	534.10	1.2087
578.22	-0.093698	555.58	0.29046	533.65	1.2228
577.36	-0.089013	555.01	0.29515	533.46	1.2415
577.32	-0.079643	554.49	0.30452	532.89	1.2743
576.99	-0.093698	554.41	0.31857	532.63	1.2790
576.57	-0.089013	554.19	0.32326	532.29	1.3024
576.04	-0.074958	553.58	0.33731	531.54	1.3305
575.71	-0.070273	553.13	0.34668	531.69	1.3539
575.41	-0.074958	553.32	0.35605	531.13	1.3727
575.44	-0.065589	552.72	0.37479	530.41	1.3961
574.69	-0.056219	552.05	0.37479	530.15	1.4242
574.20	-0.046849	552.08	0.38885	529.89	1.4383
573.94	-0.056219	551.93	0.39353	529.55	1.4617
573.91	-0.056219	551.37	0.41227	529.55	1.4851
573.15	-0.046849	551.14	0.41227	529.51	1.5039
572.81	-0.032794	550.81	0.42633	528.80	1.5320
572.59	-0.037479	550.62	0.45443	528.27	1.5601
572.33	-0.032794	550.13	0.45912	528.31	1.5741
572.06	-0.032794	550.32	0.44975	528.01	1.5976
571.73	-0.023424	549.57	0.46849	526.77	1.6257
571.01	-0.023424	549.38	0.48254	527.56	1.6491
570.79	-0.014055	548.85	0.49191	525.87	1.6678
570.45	-0.018740	548.82	0.51065	526.66	1.6866
569.73	-0.0046850	548.29	0.51065	526.36	1.7240
569.74	-0.0046850	547.99	0.53408	525.95	1.7381
569.28	0.0000	547.95	0.54813	525.42	1.7568
568.98	0.0046850	547.61	0.56219	525.20	1.7896
568.61	0.0093700	546.75	0.56219	524.56	1.8224
568.19	0.014055	546.38	0.59030	524.37	1.8552
567.71	0.023424	545.92	0.59498	524.07	1.8786
567.74	0.023424	545.59	0.61372	523.84	1.9021
567.56	0.028109	545.32	0.63246	523.21	1.9255
567.14	0.037479	545.25	0.65120	522.79	1.9630
566.43	0.051534	544.76	0.66057	522.12	1.9770
566.28	0.046849	544.54	0.67463	520.69	2.0098
565.90	0.056219	544.01	0.68400	521.25	2.0473
565.83	0.065589	543.82	0.71679	521.55	2.0895
565.75	0.074958	543.41	0.71679	521.14	2.1176
564.63	0.079643	543.37	0.74021	520.80	2.1504
564.59	0.084328	542.88	0.74958	520.92	2.1785
564.29	0.079643	542.70	0.76364	520.43	2.2066
564.10	0.089013	542.24	0.78238	519.56	2.2206
563.65	0.093698	541.91	0.80112	517.53	2.2628
563.39	0.10307	541.49	0.81986	518.92	2.2909
562.41	0.11712	541.01	0.82923	518.66	2.3097
562.15	0.12181	540.78	0.83391	516.37	2.3518

516.22	2.3752	493.72	4.7458	471.49	8.2407
516.97	2.4174	493.16	4.8020	471.38	8.3016
515.66	2.4361	493.09	4.8348	470.89	8.3907
516.97	2.4736	492.75	4.8817	470.74	8.4469
515.81	2.5064	492.37	4.9191	470.10	8.5453
514.90	2.5439	492.19	4.9613	469.95	8.6202
513.63	2.5580	491.66	5.0082	469.65	8.6858
513.97	2.5907	491.28	5.0737	469.28	8.7654
513.33	2.6329	491.02	5.0972	468.75	8.8310
513.22	2.6610	490.80	5.1440	468.45	8.9247
512.73	2.6938	490.04	5.1909	468.23	8.9622
513.52	2.7172	489.74	5.2283	467.81	9.0559
511.98	2.7547	489.67	5.2565	467.51	9.1168
511.56	2.7781	489.33	5.3220	467.10	9.1965
512.39	2.8250	488.88	5.3783	466.80	9.2714
511.22	2.8484	488.54	5.4157	466.31	9.3698
510.62	2.8765	488.20	5.4766	465.90	9.4494
510.47	2.9046	487.98	5.5282	465.52	9.4963
509.95	2.9515	487.45	5.5844	465.18	9.6087
510.70	2.9890	486.96	5.6547	464.96	9.6696
509.91	3.0358	486.93	5.6968	464.55	9.7633
509.80	3.0639	486.36	5.7718	464.47	9.8242
508.71	3.0920	485.87	5.7999	463.76	9.9179
507.99	3.1576	485.61	5.8421	463.53	9.9976
508.86	3.1857	485.39	5.8983	463.08	10.119
507.58	3.2232	484.82	5.9732	462.67	10.176
508.86	3.2654	484.64	6.0248	462.44	10.241
506.68	3.2935	484.15	6.0669	462.07	10.307
506.08	3.3356	484.07	6.1232	461.54	10.400
507.21	3.3638	483.62	6.1841	461.20	10.494
506.53	3.4106	482.94	6.2450	460.83	10.574
505.25	3.4481	482.98	6.2543	460.60	10.663
504.92	3.4856	482.72	6.3199	460.26	10.766
504.65	3.5230	482.42	6.3621	459.81	10.850
504.31	3.5605	482.05	6.4136	459.66	10.916
506.31	3.6027	481.56	6.4652	459.25	11.014
503.30	3.6402	481.26	6.5167	459.02	11.070
503.00	3.6964	480.77	6.5776	458.54	11.173
502.70	3.7292	480.28	6.6291	458.20	11.262
502.32	3.7573	480.17	6.6854	457.86	11.361
502.06	3.7948	479.75	6.7556	457.45	11.469
501.72	3.8416	479.42	6.7978	457.15	11.544
501.27	3.8744	479.42	6.8306	456.62	11.651
501.01	3.9259	478.85	6.8868	456.40	11.726
500.82	3.9541	478.40	6.9290	455.94	11.815
500.22	4.0009	478.06	6.9711	455.80	11.895
499.96	4.0290	477.69	7.0039	455.19	11.998
499.73	4.0852	477.31	7.0273	455.04	12.078
499.21	4.1087	477.05	7.0742	454.44	12.195
499.06	4.1508	476.75	7.1210	454.26	12.298
498.64	4.2024	476.53	7.1585	453.96	12.368
498.19	4.2445	476.19	7.1773	453.47	12.481
498.16	4.2867	475.96	7.2335	453.24	12.570
497.48	4.3382	475.29	7.2991	452.87	12.673
497.18	4.3757	475.06	7.4068	452.41	12.804
496.92	4.3991	474.69	7.5005	452.23	12.893
496.39	4.4460	474.27	7.5895	451.74	12.954
496.17	4.4788	474.08	7.6786	451.25	13.071
495.79	4.5256	473.56	7.7769	450.95	13.160
495.60	4.5444	473.26	7.8566	450.76	13.254
495.19	4.5865	472.88	7.9081	450.35	13.357
495.04	4.6240	472.69	8.0018	450.01	13.455
494.59	4.6615	472.39	8.0908	449.71	13.563
494.06	4.7177	472.02	8.1611	449.11	13.666

448.96	13.764	427.11	20.318	405.29	27.664
448.51	13.895	426.85	20.417	405.03	27.744
448.40	13.947	426.55	20.557	404.69	27.838
447.91	14.022	426.10	20.632	404.32	27.955
447.65	14.134	425.91	20.787	403.98	28.039
447.42	14.237	424.42	20.895	403.83	28.119
447.05	14.383	425.16	21.012	403.94	28.161
446.78	14.434	424.67	21.171	404.13	28.231
446.52	14.551	424.44	21.284	404.24	28.255
446.11	14.640	424.26	21.354	404.24	28.273
445.54	14.725	423.84	21.457	404.66	28.264
445.28	14.856	423.47	21.593	404.92	28.259
444.98	14.926	423.09	21.663	405.22	28.255
444.57	15.029	422.90	21.766	405.63	28.227
444.27	15.128	422.34	21.911	405.97	28.208
443.97	15.231	422.12	22.028	406.35	28.142
443.59	15.315	421.51	22.150	406.83	28.072
443.40	15.432	421.33	22.244	407.25	28.002
442.99	15.563	421.06	22.356	407.66	27.945
442.69	15.680	420.88	22.455	408.26	27.824
441.57	15.793	420.35	22.544	408.30	27.767
441.56	15.905	420.20	22.651	408.75	27.669
441.56	16.018	419.67	22.797	409.09	27.543
441.15	16.102	419.26	22.876	409.50	27.435
440.74	16.186	418.96	22.993	409.88	27.304
440.59	16.275	418.66	23.083	410.40	27.182
440.14	16.402	418.21	23.228	410.59	27.051
438.91	16.481	418.02	23.350	411.08	26.938
439.65	16.575	417.50	23.462	411.38	26.788
438.75	16.660	417.23	23.584	411.91	26.666
438.78	16.786	417.16	23.673	412.24	26.479
438.48	16.898	416.78	23.795	412.73	26.334
438.04	17.002	416.18	23.977	413.07	26.203
436.17	17.128	415.88	24.062	413.22	26.132
437.51	17.222	415.51	24.249	413.75	25.907
437.10	17.339	415.02	24.385	414.09	25.758
436.87	17.461	414.83	24.469	414.50	25.556
436.46	17.522	414.53	24.600	414.95	25.387
436.23	17.657	414.19	24.755	415.14	25.313
435.59	17.751	413.74	24.839	415.59	25.120
435.45	17.849	413.48	24.961	416.04	24.877
435.03	17.943	413.10	25.111	416.49	24.703
432.72	18.027	412.77	25.224	416.83	24.465
434.25	18.102	412.54	25.331	417.24	24.338
432.49	18.182	412.09	25.444	417.73	24.146
433.64	18.285	411.75	25.542	417.92	23.930
433.34	18.351	411.45	25.636	418.29	23.649
432.97	18.468	411.08	25.748	418.71	23.495
432.59	18.576	410.89	25.814	419.12	23.232
432.37	18.627	410.55	25.931	419.50	23.036
431.95	18.754	410.17	26.071	419.98	22.834
431.58	18.904	409.72	26.137	420.25	22.623
431.20	19.002	409.42	26.287	420.62	22.417
430.34	19.124	409.09	26.413	421.15	22.183
422.17	19.227	408.79	26.549	421.52	21.977
429.71	19.335	408.49	26.662	421.90	21.715
429.74	19.475	408.19	26.812	422.20	21.499
429.66	19.578	407.85	26.915	422.73	21.298
429.44	19.630	407.28	27.069	423.14	21.082
428.17	19.756	406.94	27.140	423.44	20.899
428.46	19.906	406.53	27.257	423.74	20.703
428.24	19.972	406.12	27.379	424.04	20.450
427.90	20.108	405.97	27.468	424.42	20.328
427.52	20.206	405.56	27.575	424.79	20.079

425.21	19.901	449.77	10.794	476.21	5.6828
425.62	19.770	450.29	10.700	476.25	5.6125
426.03	19.574	450.63	10.593	476.40	5.5563
426.44	19.316	450.93	10.494	477.00	5.5001
426.93	19.152	451.19	10.391	477.33	5.4485
427.08	18.974	451.80	10.297	477.86	5.3923
423.73	18.805	452.21	10.190	478.05	5.3502
427.87	18.627	452.62	10.063	478.57	5.2893
428.32	18.407	452.81	10.007	478.50	5.2377
428.81	18.304	453.30	9.8945	479.36	5.1768
429.04	18.140	453.71	9.8242	479.89	5.1065
429.34	17.957	454.20	9.7259	479.74	5.0597
429.90	17.709	454.80	9.6415	480.11	4.9988
430.24	17.554	454.80	9.5572	480.53	4.9426
430.54	17.306	455.78	9.4260	481.20	4.8817
431.06	17.025	456.08	9.3417	481.50	4.8254
431.29	16.880	456.15	9.2480	481.95	4.7833
431.82	16.655	457.66	9.1590	482.52	4.7177
432.08	16.486	456.75	9.0887	482.59	4.6568
432.45	16.341	457.81	8.9856	482.85	4.5959
432.90	16.228	458.11	8.8732	483.38	4.5678
433.32	16.032	458.07	8.7889	483.42	4.4881
433.62	15.877	458.56	8.6952	483.79	4.4460
433.99	15.755	458.63	8.6390	483.76	4.3898
434.52	15.596	459.16	8.5265	484.69	4.3429
434.89	15.455	460.59	8.4422	484.84	4.2820
435.38	15.277	461.41	8.3625	485.14	4.2398
435.68	15.193	460.40	8.2829	485.60	4.2070
435.87	15.062	460.62	8.2033	486.38	4.1321
436.17	14.940	461.49	8.0908	486.72	4.0852
436.81	14.776	461.52	8.0205	487.10	4.0196
437.19	14.692	463.03	7.9456	487.62	3.9915
437.60	14.519	462.24	7.8613	488.00	3.9541
437.97	14.397	462.84	7.7910	488.08	3.9025
438.27	14.280	464.30	7.7067	488.83	3.8463
438.80	14.120	464.45	7.6458	489.16	3.7995
439.29	14.022	463.93	7.5661	489.54	3.7573
439.48	13.905	464.27	7.4912	489.88	3.7151
439.89	13.783	464.75	7.3928	490.33	3.6683
440.11	13.624	466.29	7.3412	490.25	3.6121
440.71	13.535	465.32	7.2850	490.97	3.5839
441.13	13.361	465.99	7.1866	491.19	3.5371
441.32	13.286	466.14	7.1210	491.68	3.4996
441.65	13.165	466.44	7.0414	491.94	3.4387
442.14	13.052	467.16	6.9899	492.21	3.4012
442.67	12.907	467.16	6.8962	492.58	3.3778
442.97	12.799	467.65	6.8540	493.07	3.3169
443.46	12.696	468.02	6.7556	493.78	3.2935
443.79	12.574	468.36	6.6994	493.75	3.2466
444.17	12.462	470.01	6.6338	494.42	3.2045
444.77	12.326	471.44	6.5542	494.57	3.1529
444.96	12.223	471.03	6.5026	494.38	3.1201
445.45	12.148	469.97	6.4371	494.50	3.0733
445.60	12.050	467.56	6.3621	494.91	3.0358
446.31	11.909	471.21	6.3106	496.07	3.0030
447.70	11.792	471.10	6.2590	496.45	2.9655
446.80	11.684	472.49	6.2028	496.60	2.9234
447.25	11.544	472.60	6.1372	497.05	2.8859
447.59	11.487	472.79	6.0623	497.88	2.8344
447.93	11.323	473.96	6.0014	497.24	2.8016
448.26	11.206	474.44	5.9405	498.29	2.7688
448.72	11.122	475.12	5.8655	498.63	2.7219
449.17	11.028	475.61	5.8093	498.82	2.6891
449.62	10.897	475.12	5.7437	499.00	2.6610

499.64	2.6095	520.38	0.87608	545.57	0.10775
500.06	2.5814	522.77	0.86671	545.76	0.10775
500.17	2.5533	523.15	0.85734	545.94	0.098383
500.73	2.5111	523.56	0.82923	546.17	0.089013
501.11	2.4830	523.79	0.81517	546.32	0.089013
501.71	2.4221	524.35	0.79175	546.69	0.079643
501.78	2.4174	524.46	0.76832	547.15	0.079643
502.20	2.3706	524.76	0.75895	547.86	0.056219
502.65	2.3424	525.48	0.74021	548.12	0.060904
502.46	2.3097	526.00	0.73084	548.46	0.051534
502.83	2.2675	526.38	0.71210	548.72	0.046849
503.47	2.2581	526.79	0.69336	549.02	0.042164
503.66	2.2113	527.21	0.67463	549.55	0.032794
504.26	2.1832	527.62	0.66526	549.47	0.023424
504.41	2.1597	528.07	0.64652	550.22	0.023424
504.60	2.1223	528.60	0.63715	550.75	0.014055
505.12	2.0942	527.10	0.62778	551.24	0.0046850
505.76	2.0660	528.63	0.59967	551.46	0.0046850
505.76	2.0192	529.42	0.58093	551.91	-0.0093700
506.29	2.0005	529.65	0.56687	551.88	-0.0046850
506.59	1.9770	529.99	0.55282	552.59	-0.014055
505.39	1.9395	530.36	0.53876	553.00	-0.018740
507.34	1.9021	530.66	0.52471	553.49	-0.023424
507.75	1.8740	531.04	0.50597	553.79	-0.023424
508.09	1.8505	531.37	0.49660	554.05	-0.032794
508.32	1.8131	531.68	0.48723	554.51	-0.032794
508.32	1.7803	531.71	0.48254	554.96	-0.037479
508.84	1.7522	531.64	0.45912	555.07	-0.037479
509.18	1.7240	528.28	0.44975	555.67	-0.037479
509.52	1.6912	533.29	0.44038	556.12	-0.042164
509.93	1.6725	533.67	0.42633	556.38	-0.051534
510.27	1.6397	531.27	0.41696	556.34	-0.051534
510.87	1.6022	534.27	0.40290	556.72	-0.051534
510.98	1.5788	534.76	0.38416	556.83	-0.060904
511.70	1.5554	535.05	0.37011	557.66	-0.065589
512.00	1.5273	535.09	0.37479	558.11	-0.074958
512.75	1.4898	535.54	0.35605	558.34	-0.079643
513.05	1.4711	535.88	0.34200	558.67	-0.074958
512.82	1.4570	536.22	0.33263	558.90	-0.089013
513.54	1.4195	536.52	0.33263	559.27	-0.089013
513.69	1.3914	536.63	0.31389	560.06	-0.089013
514.32	1.3586	537.16	0.31389	560.18	-0.093698
514.36	1.3493	537.61	0.29515	560.63	-0.098383
514.85	1.3211	537.68	0.29046	561.08	-0.098383
515.30	1.2977	538.28	0.27641	561.19	-0.10775
515.90	1.2649	538.28	0.26704	561.30	-0.10307
516.02	1.2509	538.77	0.26235	562.20	-0.11244
516.32	1.2321	539.52	0.24830	562.47	-0.11244
516.39	1.1946	539.71	0.23893	562.73	-0.11244
516.95	1.1853	540.20	0.22488	563.07	-0.12181
517.44	1.1619	540.05	0.22488	563.37	-0.11712
518.19	1.1384	540.54	0.20614	563.71	-0.13118
518.19	1.1103	540.80	0.20614	563.89	-0.13118
518.53	1.0916	541.21	0.20145	564.16	-0.13586
519.09	1.0775	541.63	0.19208	564.38	-0.13118
518.80	1.0588	541.93	0.18271	564.87	-0.12649
519.70	1.0400	542.60	0.16397	565.06	-0.13586
520.15	1.0073	543.13	0.16397	565.55	-0.14055
520.52	0.99788	543.35	0.14992	565.96	-0.13586
520.75	0.98851	543.43	0.14992	566.48	-0.14523
521.12	0.95104	544.10	0.14055	566.48	-0.14523
521.42	0.93230	544.52	0.13118	567.12	-0.14055
521.84	0.92761	544.74	0.12649	567.23	-0.14523
522.40	0.89482	545.01	0.12181	567.72	-0.14523

568.55	-0.15460	551.69	-0.0093700	528.28	0.60904
568.77	-0.15460	551.12	0.0000	528.92	0.61841
569.04	-0.14992	550.67	0.0046850	526.37	0.63246
569.26	-0.14992	550.37	0.0093700	527.23	0.65589
569.60	-0.15929	550.22	0.018740	525.54	0.66994
569.79	-0.16397	549.66	0.018740	525.80	0.68400
570.05	-0.15929	549.88	0.023424	524.83	0.69336
570.95	-0.17334	549.13	0.037479	524.41	0.71679
571.37	-0.16866	548.79	0.037479	524.11	0.72616
570.69	-0.17334	548.64	0.046849	523.70	0.74958
570.84	-0.17334	548.49	0.046849	523.40	0.76364
570.24	-0.17334	547.78	0.060904	523.10	0.78238
570.20	-0.17334	546.76	0.065589	522.42	0.79643
569.64	-0.18271	547.14	0.070273	522.35	0.81049
569.45	-0.17334	547.03	0.074958	522.05	0.82454
569.23	-0.16866	546.43	0.079643	521.56	0.84797
569.23	-0.15929	546.43	0.093698	521.30	0.87139
568.55	-0.15929	545.98	0.093698	520.85	0.88076
568.51	-0.16866	545.26	0.10775	520.47	0.90419
568.06	-0.15460	545.11	0.10775	520.02	0.91356
567.76	-0.15460	543.91	0.12649	519.87	0.93698
567.31	-0.14992	543.46	0.12181	519.49	0.95572
566.97	-0.15460	543.08	0.13118	518.97	0.97446
566.75	-0.13586	543.80	0.14055	518.52	1.0026
565.85	-0.13586	541.43	0.14992	518.33	1.0213
565.58	-0.13118	542.86	0.15460	517.77	1.0400
565.40	-0.13118	542.29	0.16397	517.50	1.0588
565.09	-0.13586	542.14	0.17334	517.24	1.0682
564.31	-0.12649	541.96	0.18271	517.02	1.0869
564.53	-0.13118	541.69	0.19677	516.56	1.1197
563.33	-0.12181	541.43	0.20145	516.23	1.1384
563.10	-0.11712	540.79	0.21551	515.74	1.1665
562.88	-0.11712	540.60	0.22488	515.32	1.1759
562.73	-0.11712	538.69	0.23425	515.14	1.2040
562.39	-0.11244	538.91	0.24830	514.54	1.2321
562.24	-0.10775	538.54	0.25299	514.27	1.2509
561.83	-0.10775	537.22	0.26235	514.01	1.2743
561.56	-0.10307	537.75	0.27172	513.79	1.2930
561.23	-0.098383	538.46	0.28578	513.33	1.3305
560.81	-0.098383	538.05	0.30452	513.00	1.3446
560.44	-0.093698	537.60	0.31389	512.70	1.3680
560.06	-0.093698	536.73	0.31389	512.47	1.3914
559.46	-0.093698	534.97	0.32794	511.91	1.4195
559.12	-0.084328	534.89	0.33731	511.72	1.4429
558.82	-0.079643	534.22	0.34668	511.42	1.4711
558.71	-0.079643	535.72	0.36542	510.93	1.4804
558.11	-0.070273	535.53	0.37479	510.52	1.5085
557.77	-0.060904	535.35	0.38416	510.26	1.5413
557.54	-0.074958	533.47	0.39353	509.88	1.5648
557.06	-0.060904	533.65	0.41227	509.47	1.5929
556.83	-0.060904	534.22	0.41696	509.13	1.6069
555.93	-0.051534	532.08	0.43101	508.87	1.6303
556.19	-0.056219	531.51	0.43570	508.72	1.6538
555.10	-0.042164	530.99	0.44975	508.15	1.6866
555.63	-0.037479	531.78	0.46849	507.93	1.7240
555.14	-0.032794	530.42	0.47786	507.59	1.7381
554.01	-0.037479	531.33	0.49191	507.10	1.7662
554.01	-0.037479	530.01	0.50128	506.73	1.7849
553.19	-0.032794	529.37	0.51534	506.24	1.8084
553.26	-0.023424	528.84	0.54345	506.16	1.8365
553.19	-0.023424	530.73	0.55750	505.79	1.8646
552.89	-0.014055	530.05	0.56687	505.34	1.8927
552.62	-0.018740	527.79	0.58561	505.11	1.9161
552.02	-0.014055	527.19	0.59030	504.66	1.9302

504.32	1.9677	482.20	4.2445	460.12	7.7207
503.83	1.9911	482.02	4.2914	459.86	7.7863
503.57	2.0286	481.34	4.3382	459.52	7.8566
503.46	2.0520	481.11	4.3616	459.11	7.9269
502.82	2.0942	480.96	4.4225	458.88	8.0252
502.67	2.1176	480.59	4.4834	458.51	8.0908
502.14	2.1504	480.03	4.5397	458.13	8.1236
501.88	2.1832	479.88	4.5631	457.61	8.2220
501.58	2.2066	479.61	4.6053	457.38	8.2782
501.09	2.2488	478.94	4.6474	457.01	8.3204
500.76	2.2769	478.75	4.6849	456.78	8.3860
500.61	2.3050	478.34	4.7177	456.41	8.4750
500.38	2.3378	478.04	4.7645	455.99	8.5406
500.01	2.3706	477.73	4.7833	455.73	8.5968
499.48	2.3893	477.47	4.8208	455.39	8.6671
499.14	2.4127	476.95	4.8723	454.94	8.7327
498.80	2.4502	476.61	4.9051	454.64	8.8170
498.47	2.4830	476.38	4.9566	454.27	8.8919
498.05	2.5298	476.12	5.0035	453.97	8.9247
497.64	2.5720	475.63	5.0456	453.78	8.9856
497.64	2.5907	475.48	5.0831	453.06	9.0747
497.45	2.6189	475.11	5.1393	452.80	9.1496
496.81	2.6657	474.81	5.1909	452.46	9.2011
496.47	2.7079	474.32	5.2658	452.09	9.3230
496.29	2.7266	473.94	5.2986	451.79	9.3979
495.80	2.7594	473.68	5.3595	451.37	9.5057
495.46	2.7875	473.19	5.4345	451.26	9.5619
495.01	2.8250	473.00	5.4813	450.77	9.6603
494.48	2.8437	472.55	5.5282	450.47	9.7259
494.30	2.8859	472.44	5.5750	450.06	9.8336
494.26	2.9046	471.99	5.6359	449.69	9.8898
493.92	2.9421	471.54	5.6922	449.38	9.9601
493.28	2.9843	471.24	5.7624	448.90	10.068
493.13	3.0030	470.98	5.7999	448.67	10.124
492.61	3.0405	470.60	5.8561	448.30	10.241
492.46	3.0733	470.19	5.9217	447.96	10.288
491.93	3.1155	469.93	5.9779	447.62	10.372
491.59	3.1389	469.59	6.0295	446.65	10.471
491.33	3.1810	469.25	6.1044	446.87	10.588
491.07	3.2045	468.80	6.1653	446.68	10.677
490.62	3.2607	468.61	6.2262	446.38	10.738
490.35	3.3029	468.39	6.2637	446.01	10.869
489.94	3.3216	467.94	6.3527	445.59	10.977
489.41	3.3731	467.56	6.4183	445.37	11.056
489.26	3.4012	467.18	6.4652	445.07	11.164
488.93	3.4481	466.81	6.5354	444.99	11.234
488.40	3.4856	466.55	6.6057	444.32	11.333
488.14	3.5277	466.10	6.6713	443.94	11.422
487.87	3.5652	465.91	6.7041	443.56	11.520
487.58	3.6074	465.42	6.7744	442.45	11.614
487.16	3.6402	465.08	6.8306	442.85	11.717
486.52	3.6870	464.63	6.8915	442.55	11.843
486.52	3.7104	464.56	6.9477	442.18	11.928
486.15	3.7667	464.10	7.0086	441.80	12.026
485.70	3.7995	463.65	7.0836	441.57	12.106
485.24	3.8557	463.39	7.1492	441.12	12.185
485.06	3.8838	462.90	7.2007	440.82	12.284
484.76	3.9400	462.75	7.2850	440.64	12.354
484.27	3.9775	462.30	7.3459	440.19	12.457
484.16	4.0103	462.04	7.4256	439.81	12.490
483.78	4.0571	461.63	7.4724	439.47	12.607
483.18	4.1180	461.36	7.5193	439.21	12.710
482.77	4.1602	461.03	7.5895	438.91	12.846
482.73	4.1930	460.46	7.6504	438.61	12.935

437.79	13.024	416.38	20.014	395.02	27.889
437.86	13.146	416.08	20.154	394.60	27.964
437.60	13.249	415.82	20.286	394.34	28.142
437.11	13.352	415.18	20.459	394.00	28.259
436.77	13.464	415.07	20.543	393.66	28.372
436.36	13.572	414.73	20.693	393.21	28.498
436.09	13.689	414.28	20.838	393.06	28.639
435.76	13.806	413.98	20.946	392.46	28.822
435.42	13.900	413.68	21.073	392.20	28.873
435.12	14.036	413.38	21.157	392.09	29.046
434.93	14.102	412.81	21.265	391.49	29.178
434.37	14.205	412.70	21.382	391.15	29.327
434.14	14.294	412.21	21.536	390.74	29.459
433.62	14.420	412.06	21.625	390.55	29.534
433.16	14.537	411.57	21.752	390.17	29.712
433.02	14.631	411.20	21.921	389.91	29.819
432.64	14.767	410.90	22.042	389.61	29.955
431.97	14.870	410.64	22.150	389.27	30.040
431.85	15.010	410.30	22.305	389.01	30.175
431.63	15.071	409.81	22.492	389.39	30.264
431.36	15.198	409.70	22.581	389.72	30.339
431.06	15.282	409.25	22.773	389.91	30.358
430.61	15.423	408.72	22.909	389.84	30.377
430.27	15.498	408.42	23.064	390.44	30.391
429.94	15.619	408.12	23.265	390.59	30.368
429.49	15.755	407.71	23.387	391.19	30.316
429.26	15.854	407.67	23.499	391.34	30.283
428.73	15.957	407.29	23.649	391.86	30.171
428.59	16.088	406.92	23.832	392.17	30.091
428.28	16.158	406.73	23.935	392.77	29.960
427.87	16.313	406.21	24.066	392.99	29.890
427.72	16.392	405.91	24.193	393.33	29.787
427.38	16.481	405.61	24.333	393.74	29.641
422.68	16.599	405.08	24.469	393.97	29.515
425.74	16.758	404.63	24.629	394.49	29.426
426.29	16.861	404.33	24.746	394.79	29.295
425.99	16.973	404.07	24.933	395.21	29.112
425.69	17.067	403.73	25.013	395.58	28.971
425.21	17.165	403.58	25.134	395.92	28.812
424.24	17.259	403.13	25.256	396.26	28.639
424.49	17.395	402.79	25.317	396.75	28.451
424.19	17.456	402.56	25.416	397.09	28.227
423.85	17.587	402.26	25.547	397.54	28.053
423.70	17.681	401.96	25.673	397.76	27.880
423.25	17.807	401.59	25.833	398.33	27.697
422.91	17.915	401.32	25.931	398.55	27.491
422.43	18.037	400.72	26.039	398.81	27.313
422.31	18.135	400.38	26.189	399.19	27.112
421.94	18.187	400.08	26.348	399.64	26.948
421.49	18.313	399.82	26.413	399.86	26.713
421.15	18.379	399.56	26.502	400.39	26.573
420.85	18.477	399.15	26.610	400.84	26.371
420.47	18.599	398.85	26.652	401.22	26.193
420.02	18.693	398.62	26.732	401.59	25.987
419.61	18.838	398.32	26.835	401.89	25.800
419.46	18.899	398.02	26.910	402.19	25.598
418.97	18.997	397.76	26.985	402.65	25.336
418.75	19.114	397.19	27.060	403.13	25.130
418.45	19.269	396.74	27.158	403.28	24.999
418.07	19.358	396.59	27.257	403.85	24.703
417.73	19.513	396.33	27.327	404.19	24.474
417.28	19.667	396.14	27.482	404.56	24.254
416.94	19.789	395.69	27.613	404.94	24.090
416.64	19.934	395.20	27.763	405.39	23.766

405.65	23.504	432.55	12.481	456.66	6.5776
406.40	23.303	431.76	12.317	456.66	6.5354
406.51	23.017	431.35	12.199	457.00	6.4605
406.89	22.769	432.59	12.050	457.22	6.3621
407.49	22.431	433.83	11.951	457.71	6.3152
407.68	22.150	434.39	11.886	458.35	6.2356
408.13	21.958	432.85	11.731	458.65	6.1653
408.36	21.649	433.03	11.623	459.14	6.1044
408.88	21.335	435.40	11.530	459.52	6.0248
409.41	21.045	434.20	11.408	460.01	5.9592
409.67	20.698	434.16	11.319	460.19	5.9217
410.05	20.459	435.06	11.197	460.30	5.8561
410.42	20.248	436.12	11.094	461.21	5.7718
410.87	20.023	436.08	10.977	461.28	5.7109
411.25	19.812	435.81	10.906	461.81	5.6547
412.00	19.517	437.96	10.780	462.67	5.5844
412.19	19.447	438.14	10.682	462.52	5.5235
412.38	19.189	438.60	10.588	463.16	5.4579
412.75	19.007	438.82	10.461	463.35	5.3970
413.28	18.763	439.20	10.391	463.61	5.3595
413.54	18.594	439.42	10.288	464.17	5.3033
413.95	18.468	440.36	10.190	464.70	5.2143
415.72	18.234	440.59	10.073	464.92	5.1628
416.70	18.074	441.04	9.9835	465.22	5.1253
416.02	17.901	440.59	9.8945	465.64	5.0550
416.70	17.756	439.98	9.7961	465.79	5.0035
418.13	17.545	440.58	9.7071	466.31	4.9379
417.64	17.437	440.85	9.5806	466.69	4.8864
418.58	17.222	440.88	9.4916	466.73	4.8536
417.52	17.062	441.97	9.4166	467.40	4.7692
418.46	16.955	443.89	9.3557	467.66	4.7177
419.29	16.763	444.08	9.2246	468.27	4.6802
418.35	16.622	444.08	9.1637	468.27	4.6193
419.14	16.481	444.49	9.0700	468.79	4.5584
419.48	16.350	444.98	8.9622	469.02	4.5069
420.23	16.205	445.39	8.8779	469.39	4.4553
420.83	16.069	446.03	8.7701	469.99	4.3991
420.38	15.896	446.59	8.6811	470.07	4.3476
421.51	15.826	446.59	8.6249	470.78	4.2773
421.99	15.676	446.90	8.5406	470.89	4.2445
423.35	15.554	447.68	8.4235	471.23	4.1977
422.71	15.395	446.37	8.3719	471.72	4.1415
423.12	15.263	448.29	8.2923	472.32	4.0852
423.95	15.142	448.55	8.1892	472.32	4.0384
423.42	14.987	448.21	8.1236	472.77	3.9869
424.06	14.921	449.41	8.0018	473.45	3.9259
423.65	14.734	449.15	7.9503	473.30	3.8978
424.92	14.603	450.16	7.8753	473.64	3.8369
426.01	14.476	450.54	7.7957	474.39	3.7854
426.20	14.397	450.80	7.7067	474.50	3.7479
426.13	14.214	451.33	7.6364	475.18	3.6823
425.67	14.083	452.04	7.5427	475.33	3.6355
425.86	13.961	451.55	7.4771	475.48	3.5933
426.27	13.820	452.23	7.4256	476.00	3.5558
428.42	13.689	452.72	7.3272	476.38	3.5043
426.95	13.516	452.30	7.2475	476.87	3.4621
427.59	13.436	453.13	7.1820	477.24	3.4247
429.39	13.300	453.88	7.1023	477.47	3.3731
428.87	13.141	454.33	7.0273	477.84	3.3310
428.49	13.024	454.67	6.9524	478.48	3.2747
430.71	12.949	455.01	6.8634	478.82	3.2279
431.05	12.827	455.27	6.7978	479.27	3.2045
431.01	12.663	455.57	6.7416	479.53	3.1483
431.12	12.546	455.99	6.6432	479.87	3.1108

480.13	3.0873	503.76	1.0775	526.81	0.13118
480.62	3.0499	503.94	1.0635	527.19	0.13586
481.07	2.9937	504.47	1.0307	527.64	0.12181
481.26	2.9562	505.22	1.0213	527.94	0.11712
481.90	2.9046	505.48	1.0026	528.13	0.11244
482.16	2.8718	505.74	0.97914	528.73	0.093698
482.61	2.8297	505.78	0.96977	529.03	0.089013
482.88	2.7875	506.16	0.95104	529.67	0.089013
483.21	2.7641	506.68	0.92292	529.67	0.070273
483.44	2.7266	507.25	0.90419	530.04	0.074958
483.59	2.6891	507.85	0.89013	530.68	0.065589
484.30	2.6376	504.30	0.88076	530.91	0.060904
484.79	2.6142	508.60	0.84328	531.51	0.051534
484.79	2.5861	508.83	0.81986	531.55	0.042164
485.54	2.5298	508.75	0.81049	532.00	0.046849
485.80	2.5017	509.13	0.79643	532.11	0.042164
486.59	2.4549	508.30	0.76832	532.48	0.032794
486.93	2.4221	508.75	0.74958	532.86	0.032794
486.97	2.3846	510.44	0.72616	532.90	0.028109
487.53	2.3659	510.70	0.71679	533.50	0.014055
488.02	2.3190	508.76	0.69336	533.95	0.0093700
487.16	2.2815	510.93	0.67931	533.99	0.0093700
488.77	2.2534	511.72	0.65589	534.44	0.0093700
488.85	2.2206	512.28	0.63246	534.66	0.0046850
489.30	2.1878	512.77	0.61372	535.19	-0.0046850
489.79	2.1457	512.92	0.60435	535.49	-0.0093700
489.97	2.1176	513.52	0.59030	535.98	-0.014055
490.46	2.0848	513.37	0.58093	536.31	-0.032794
490.50	2.0567	514.01	0.54813	536.24	-0.032794
491.18	2.0051	513.86	0.54813	536.91	-0.037479
491.51	1.9911	514.53	0.52471	537.03	-0.046849
492.15	1.9536	514.98	0.50597	537.40	-0.046849
492.00	1.9255	515.59	0.49191	537.03	-0.060904
492.79	1.8927	515.06	0.47786	538.30	-0.060904
493.20	1.8646	516.68	0.46380	537.93	-0.070273
493.73	1.8365	516.71	0.45443	538.83	-0.074958
493.69	1.8084	517.05	0.43101	539.17	-0.079643
494.25	1.7849	517.16	0.43570	540.03	-0.093698
494.74	1.7428	517.73	0.42633	539.96	-0.098383
495.04	1.7100	518.33	0.40759	540.37	-0.098383
495.42	1.6912	518.33	0.39353	540.71	-0.093698
496.09	1.6538	518.93	0.38416	541.01	-0.098383
496.32	1.6444	519.19	0.37948	541.42	-0.10775
496.28	1.6022	519.64	0.35605	541.91	-0.10775
496.77	1.5788	519.87	0.34668	541.98	-0.10307
496.88	1.5554	520.28	0.34200	542.62	-0.10775
497.07	1.5366	520.62	0.32794	543.03	-0.12649
497.48	1.4992	520.99	0.31857	542.33	-0.13118
497.97	1.4898	521.10	0.30452	543.86	-0.12181
498.46	1.4617	521.63	0.29515	540.42	-0.13118
499.21	1.4289	522.27	0.27641	539.53	-0.14055
499.36	1.4055	522.31	0.26704	544.87	-0.14055
499.59	1.3680	523.02	0.25767	545.33	-0.14055
499.55	1.3493	523.58	0.24362	545.63	-0.14523
500.19	1.3258	523.43	0.22956	545.85	-0.14523
500.86	1.2977	524.03	0.21551	545.96	-0.15460
501.01	1.2743	524.18	0.21082	545.85	-0.15460
501.39	1.2509	523.96	0.20145	546.75	-0.15929
501.88	1.2274	524.52	0.19208	547.13	-0.15460
502.03	1.1946	525.20	0.18271	547.09	-0.16866
502.63	1.1806	525.72	0.16866	547.84	-0.16866
503.15	1.1478	525.54	0.15929	547.95	-0.15929
502.59	1.1244	526.06	0.14992	548.67	-0.16397
503.60	1.0963	526.51	0.14523	548.59	-0.17334

548.97	-0.17803	570.07	-0.28578	547.31	-0.12649
549.68	-0.17334	570.11	-0.27641	547.57	-0.13118
550.17	-0.18271	569.62	-0.28578	545.92	-0.12181
550.13	-0.19208	569.28	-0.28109	545.62	-0.11712
550.58	-0.18271	568.83	-0.28578	545.39	-0.10775
551.15	-0.19208	568.34	-0.28109	545.96	-0.11244
551.48	-0.19208	568.23	-0.27641	545.17	-0.10307
551.60	-0.18740	567.82	-0.27172	545.17	-0.10775
549.47	-0.20145	567.67	-0.27641	544.34	-0.10775
552.80	-0.20145	567.14	-0.27641	544.60	-0.093698
553.14	-0.20145	566.80	-0.27172	543.89	-0.089013
553.36	-0.20614	566.13	-0.27172	543.63	-0.089013
553.70	-0.20614	566.17	-0.27641	543.29	-0.079643
554.11	-0.22019	565.75	-0.26704	542.88	-0.089013
554.68	-0.22019	565.08	-0.26704	542.50	-0.074958
554.79	-0.22019	564.51	-0.26704	540.43	-0.074958
555.16	-0.22019	564.55	-0.26704	541.07	-0.060904
555.39	-0.22488	564.21	-0.26704	541.37	-0.056219
555.80	-0.22488	563.95	-0.26704	540.92	-0.051534
556.22	-0.22488	563.31	-0.25767	539.49	-0.051534
556.48	-0.23425	563.09	-0.26235	538.25	-0.051534
557.15	-0.23425	563.12	-0.26235	538.89	-0.042164
557.45	-0.23425	561.92	-0.25767	537.62	-0.042164
557.60	-0.23425	562.26	-0.25299	537.47	-0.037479
558.17	-0.23425	561.96	-0.25299	537.05	-0.032794
558.54	-0.22956	561.81	-0.24830	537.96	-0.028109
558.58	-0.23425	561.43	-0.25299	537.17	-0.032794
559.03	-0.23893	560.87	-0.25299	536.90	-0.028109
559.33	-0.24362	560.16	-0.24830	537.51	-0.023424
559.93	-0.24362	559.85	-0.23425	537.55	-0.018740
560.16	-0.24830	559.48	-0.24362	537.09	-0.014055
560.53	-0.24830	559.25	-0.22956	534.91	-0.014055
560.80	-0.25299	558.99	-0.23425	534.01	-0.0046850
561.28	-0.25299	558.39	-0.22488	533.63	-0.0093700
561.47	-0.25299	557.90	-0.22956	533.30	0.0046850
562.11	-0.25299	557.75	-0.22488	533.11	0.0093700
562.26	-0.24830	556.81	-0.22019	532.58	0.018740
562.41	-0.25299	556.66	-0.21551	532.28	0.018740
563.27	-0.25299	556.89	-0.21551	532.06	0.023424
563.31	-0.25299	556.40	-0.22019	531.87	0.037479
563.84	-0.26235	555.95	-0.21551	531.16	0.037479
563.95	-0.25767	555.84	-0.21082	530.89	0.051534
564.44	-0.25299	555.35	-0.20614	530.74	0.051534
564.74	-0.25767	554.97	-0.20614	529.99	0.060904
565.49	-0.25767	554.93	-0.20614	529.73	0.065589
565.34	-0.25767	553.17	-0.19677	529.35	0.070273
565.98	-0.25767	554.37	-0.19677	529.02	0.070273
566.62	-0.26704	553.66	-0.19677	528.87	0.079643
566.69	-0.26704	553.09	-0.18740	528.38	0.089013
567.52	-0.26704	552.91	-0.18740	527.96	0.098383
567.41	-0.26704	551.93	-0.18271	527.55	0.10775
567.59	-0.27172	552.15	-0.17803	527.14	0.10775
568.01	-0.26704	550.65	-0.17334	526.87	0.12649
568.61	-0.27172	550.84	-0.16866	526.54	0.12649
568.72	-0.27172	551.33	-0.15929	526.01	0.13118
568.91	-0.27172	550.54	-0.16866	525.75	0.14523
569.73	-0.28109	549.82	-0.15929	525.33	0.15460
569.69	-0.27172	548.32	-0.14992	525.03	0.15929
570.07	-0.27641	549.67	-0.15460	524.62	0.16866
570.30	-0.28109	549.30	-0.14523	524.43	0.17334
571.50	-0.29046	549.11	-0.14055	524.21	0.18740
570.86	-0.27641	548.96	-0.14055	523.57	0.20145
570.94	-0.28578	548.29	-0.13586	523.31	0.20145
570.52	-0.27641	547.80	-0.13586	522.78	0.22019

522.56	0.22956	500.06	1.2228	477.72	3.0311
522.22	0.23893	499.72	1.2462	477.45	3.0686
521.81	0.24830	499.23	1.2696	477.15	3.1108
521.65	0.25299	498.90	1.2930	476.78	3.1529
521.05	0.26704	498.90	1.3024	476.36	3.1998
520.71	0.27172	498.18	1.3399	476.06	3.2326
520.38	0.29515	497.73	1.3539	475.65	3.2701
520.19	0.29515	497.39	1.3867	475.16	3.3122
519.70	0.30452	497.24	1.4008	474.97	3.3591
519.29	0.32326	496.83	1.4242	474.79	3.3825
518.95	0.32794	496.49	1.4476	474.37	3.4247
518.42	0.33731	496.27	1.4664	474.11	3.4575
518.24	0.35137	495.70	1.5039	473.66	3.5184
517.82	0.36074	495.71	1.5179	473.28	3.5558
517.60	0.37011	495.18	1.5413	472.98	3.5980
517.11	0.38885	494.99	1.5601	472.53	3.6308
517.00	0.39822	494.31	1.5929	472.20	3.6776
516.66	0.41227	494.13	1.6069	471.97	3.7245
516.02	0.42633	493.79	1.6303	471.82	3.7620
515.80	0.44038	493.53	1.6585	471.41	3.8229
515.34	0.45443	493.11	1.6678	470.99	3.8416
515.08	0.46380	492.81	1.7006	470.47	3.8978
514.89	0.47786	492.51	1.7240	470.05	3.9494
514.29	0.49660	491.91	1.7662	469.94	3.9869
513.88	0.51065	491.69	1.7756	469.49	4.0384
513.62	0.52002	491.24	1.8131	469.42	4.0759
513.28	0.53876	491.01	1.8365	468.93	4.1227
512.87	0.56219	490.82	1.8552	468.52	4.1602
512.68	0.57624	490.45	1.8880	467.99	4.2258
512.15	0.59030	490.07	1.9114	467.92	4.2586
511.93	0.59498	489.73	1.9255	467.39	4.2914
511.48	0.61841	489.58	1.9583	467.20	4.3523
511.02	0.63715	488.94	1.9958	466.86	4.3804
510.80	0.64652	488.72	2.0239	466.41	4.4460
510.27	0.65589	488.23	2.0614	466.11	4.4741
510.12	0.67931	487.97	2.0848	465.81	4.5256
509.56	0.68400	487.78	2.1129	465.59	4.5771
509.30	0.70742	487.52	2.1363	465.06	4.6240
509.00	0.71679	487.11	2.1691	464.72	4.6708
508.70	0.74021	486.81	2.2066	464.42	4.7224
508.10	0.75895	486.16	2.2394	464.16	4.7645
507.87	0.78706	485.87	2.2581	463.60	4.8254
507.65	0.79175	485.57	2.2909	463.30	4.8629
507.50	0.80112	485.00	2.3378	463.00	4.9285
506.97	0.82454	484.74	2.3612	462.66	4.9613
506.48	0.84797	484.36	2.3987	462.25	5.0222
506.22	0.86202	484.18	2.4127	461.95	5.0644
505.96	0.87139	483.76	2.4643	461.64	5.1300
505.51	0.90419	483.27	2.4830	461.19	5.1862
505.17	0.92292	483.05	2.5064	460.71	5.2424
504.94	0.93698	482.79	2.5486	460.37	5.2893
504.45	0.95572	482.45	2.5673	460.14	5.3361
504.27	0.96977	481.85	2.6142	459.84	5.4111
503.97	0.99320	481.62	2.6517	459.51	5.4532
503.48	1.0119	481.58	2.6657	459.20	5.5048
503.06	1.0400	480.80	2.7079	458.79	5.5610
502.69	1.0635	480.57	2.7454	458.38	5.6219
502.50	1.0775	480.23	2.7735	458.23	5.6594
502.09	1.0963	479.82	2.8156	457.82	5.7203
501.71	1.1056	479.33	2.8531	457.33	5.7765
501.26	1.1431	479.14	2.8765	457.03	5.8280
500.85	1.1572	478.80	2.9234	456.65	5.9217
500.59	1.1946	478.73	2.9609	456.20	5.9498
500.44	1.2134	478.32	3.0030	455.86	6.0295

455.41	6.1044	433.29	10.757	412.04	17.849
455.07	6.1466	433.03	10.841	411.52	18.023
454.85	6.2169	432.88	10.953	411.03	18.149
454.28	6.2871	432.66	11.052	410.96	18.243
454.02	6.3574	432.17	11.183	410.50	18.407
453.83	6.4136	431.83	11.239	410.13	18.519
453.46	6.4839	431.64	11.347	409.64	18.679
453.23	6.5448	431.27	11.445	409.45	18.754
452.71	6.6244	430.78	11.562	409.08	18.885
452.26	6.6854	430.59	11.633	408.78	19.011
451.88	6.7509	430.07	11.745	408.36	19.217
451.73	6.7884	429.77	11.862	407.99	19.311
451.24	6.8821	429.54	11.956	407.65	19.489
450.87	6.9196	429.17	12.087	407.27	19.677
450.64	6.9899	428.98	12.139	406.90	19.808
450.27	7.0461	428.30	12.279	406.56	19.883
449.97	7.1117	428.08	12.368	406.34	20.089
449.52	7.1820	427.66	12.499	405.92	20.234
449.21	7.2241	427.40	12.556	405.43	20.356
448.95	7.2897	427.18	12.649	405.25	20.454
448.54	7.3506	426.76	12.766	404.98	20.618
448.20	7.4162	426.39	12.865	404.57	20.749
447.83	7.4912	426.05	12.996	404.23	20.857
447.53	7.5427	425.90	13.057	404.01	21.002
447.15	7.6317	425.49	13.207	403.67	21.110
446.70	7.6973	425.22	13.277	403.22	21.246
446.40	7.7769	424.96	13.403	403.07	21.363
446.02	7.8706	424.40	13.530	402.62	21.480
445.76	7.9128	424.25	13.619	402.02	21.630
445.46	7.9831	423.83	13.755	401.79	21.700
445.20	8.0721	423.38	13.877	401.30	21.836
444.60	8.1049	423.20	14.031	401.04	21.893
444.56	8.1939	422.82	14.158	400.74	22.010
443.89	8.2548	422.45	14.266	400.51	22.089
443.70	8.3016	422.03	14.406	400.10	22.206
443.36	8.3438	421.84	14.509	399.73	22.305
442.94	8.4235	421.36	14.640	399.50	22.422
442.76	8.4984	421.24	14.720	399.24	22.581
442.38	8.5593	420.76	14.879	398.90	22.698
441.97	8.6577	420.49	14.996	398.52	22.769
441.59	8.7045	419.97	15.118	398.22	22.956
441.37	8.7889	419.55	15.226	397.74	23.087
441.03	8.8591	419.40	15.348	397.25	23.246
440.66	8.9388	418.84	15.493	397.10	23.335
440.20	9.0325	418.80	15.521	396.83	23.429
439.87	9.0747	418.20	15.643	396.46	23.551
439.64	9.1590	417.98	15.737	396.05	23.654
439.49	9.2480	417.60	15.854	395.90	23.743
439.00	9.3557	417.41	15.943	395.56	23.813
438.63	9.4494	416.92	16.004	395.18	23.926
438.03	9.5244	416.47	16.191	394.88	24.005
437.99	9.6087	416.25	16.313	394.70	24.090
437.76	9.6884	415.95	16.421	393.91	24.188
437.54	9.7914	415.69	16.496	393.57	24.268
437.28	9.8805	415.24	16.622	393.46	24.390
436.64	9.9648	414.93	16.683	393.19	24.446
436.19	10.077	414.75	16.828	392.78	24.572
435.81	10.162	414.33	16.936	392.48	24.633
435.55	10.208	413.85	17.044	392.41	24.746
435.36	10.307	413.51	17.194	391.80	24.844
434.84	10.405	413.24	17.269	391.39	24.952
434.61	10.471	412.98	17.461	391.05	25.088
434.57	10.541	412.72	17.550	390.79	25.134
433.90	10.663	412.27	17.714	390.42	25.252

390.00	25.373	368.37	31.632	389.68	24.282
389.74	25.462	367.85	31.745	389.23	24.048
389.36	25.575	367.66	31.759	389.60	23.856
388.99	25.631	367.44	31.857	390.31	23.565
388.65	25.739	367.02	31.946	391.48	23.228
388.54	25.842	366.57	32.017	391.56	23.045
387.94	25.997	366.65	32.059	390.09	22.792
387.52	26.118	367.10	32.082	391.14	22.464
387.41	26.235	366.87	32.106	390.80	22.202
386.92	26.381	367.02	32.106	391.18	21.953
386.59	26.507	367.06	32.129	391.36	21.799
386.28	26.643	367.66	32.120	392.08	21.466
385.65	26.746	367.96	32.106	392.72	21.316
385.42	26.873	368.23	32.087	392.98	21.016
385.16	27.041	369.54	32.026	393.17	20.806
384.97	27.116	369.54	31.979	393.69	20.604
384.71	27.219	371.61	31.928	394.52	20.356
384.18	27.360	370.44	31.867	395.35	20.229
383.81	27.500	370.48	31.796	394.75	20.051
383.47	27.594	370.78	31.721	395.01	19.883
383.13	27.697	371.64	31.651	395.46	19.653
382.87	27.833	371.79	31.567	395.76	19.475
382.49	27.899	371.87	31.445	396.89	19.335
381.89	28.030	372.28	31.379	398.73	19.128
381.70	28.105	372.55	31.286	396.96	18.993
381.40	28.245	373.00	31.159	398.09	18.777
381.03	28.353	373.26	30.986	398.58	18.627
380.84	28.480	373.75	30.836	398.24	18.477
380.43	28.606	374.12	30.742	398.46	18.369
380.09	28.747	375.21	30.531	399.59	18.173
379.71	28.854	374.76	30.377	400.38	18.018
379.38	28.981	375.21	30.279	399.89	17.821
379.04	29.112	375.66	30.072	400.38	17.681
378.81	29.187	376.00	29.927	403.05	17.582
378.32	29.295	376.38	29.730	400.94	17.400
377.91	29.346	376.60	29.618	401.24	17.273
377.50	29.449	377.50	29.459	401.81	17.151
377.35	29.491	377.62	29.234	401.99	17.072
377.01	29.538	377.99	29.131	402.41	16.889
376.78	29.571	378.26	28.990	402.63	16.767
376.11	29.618	378.56	28.793	404.40	16.650
375.96	29.665	379.08	28.569	403.95	16.510
375.58	29.730	379.46	28.419	403.95	16.402
375.28	29.773	379.87	28.297	404.17	16.233
375.06	29.810	380.21	28.091	404.51	16.102
374.61	29.862	380.51	27.931	406.32	15.966
374.31	29.913	380.92	27.781	407.41	15.793
373.97	29.988	381.26	27.622	406.24	15.704
373.67	30.011	382.01	27.463	406.09	15.568
373.22	30.077	382.20	27.285	406.84	15.409
373.07	30.133	382.73	27.060	406.69	15.231
372.65	30.199	382.80	26.919	407.25	15.132
372.24	30.241	383.18	26.755	407.70	14.982
372.09	30.297	383.63	26.610	407.97	14.795
371.68	30.419	384.15	26.442	408.49	14.664
371.34	30.531	384.57	26.249	408.87	14.523
371.08	30.611	384.72	26.053	410.11	14.397
370.82	30.794	385.47	25.879	409.47	14.251
370.40	30.939	385.69	25.650	409.96	14.172
369.99	31.066	385.99	25.355	410.33	13.980
369.42	31.211	387.42	25.158	410.67	13.853
369.31	31.323	387.01	24.999	410.86	13.760
368.98	31.440	389.11	24.722	411.50	13.596
368.64	31.548	388.51	24.493	411.69	13.474

412.66	13.305	436.89	7.1445	459.83	3.4387
412.66	13.197	437.94	7.0742	460.28	3.3966
413.00	13.108	436.77	7.0086	460.96	3.3497
413.49	12.935	437.07	6.9337	462.16	3.3075
413.79	12.823	437.30	6.8681	461.41	3.2607
415.11	12.696	437.94	6.8165	461.71	3.1951
414.39	12.621	438.27	6.7228	462.31	3.1717
415.63	12.452	439.36	6.6526	462.57	3.1201
415.63	12.335	438.99	6.5635	463.06	3.0827
416.12	12.232	439.44	6.5214	464.11	3.0358
417.32	12.115	439.44	6.4464	464.68	2.9983
416.34	12.003	440.19	6.3668	464.26	2.9562
417.36	11.862	440.56	6.2965	464.75	2.9046
417.32	11.754	441.92	6.2309	466.33	2.8672
417.58	11.670	441.54	6.1700	466.89	2.8344
418.75	11.515	441.06	6.1185	467.64	2.7969
420.48	11.403	442.07	6.0388	466.67	2.7594
420.67	11.337	442.25	5.9779	466.51	2.7126
419.09	11.244	442.67	5.9077	467.00	2.6798
419.46	11.113	444.28	5.8421	467.12	2.6423
420.29	11.019	443.49	5.7859	467.23	2.6142
420.06	10.953	444.02	5.7062	467.87	2.5626
420.59	10.827	444.36	5.6687	470.35	2.5298
421.41	10.719	444.66	5.6078	468.50	2.4924
422.32	10.588	445.03	5.5188	468.88	2.4643
423.37	10.518	445.45	5.4860	469.97	2.4268
422.20	10.429	445.78	5.4111	469.56	2.3752
422.24	10.302	446.23	5.3548	470.20	2.3471
422.69	10.199	446.54	5.2893	471.40	2.2909
423.52	10.147	446.91	5.2424	470.57	2.2815
425.59	10.040	447.17	5.1628	470.98	2.2441
424.83	9.9320	447.85	5.1159	471.40	2.2019
424.12	9.8289	447.07	5.0737	472.75	2.1644
424.53	9.7352	448.34	5.0035	472.15	2.1363
424.57	9.6415	448.75	4.9519	472.45	2.1035
425.51	9.5478	449.39	4.8770	474.03	2.0754
426.30	9.4260	450.37	4.8301	473.42	2.0473
427.31	9.3464	449.88	4.7973	474.10	1.9958
426.37	9.3042	450.89	4.7224	476.02	1.9677
426.78	9.1637	450.74	4.6802	476.13	1.9395
429.19	9.0887	452.13	4.6287	474.89	1.9068
427.50	9.0278	451.61	4.6053	475.15	1.8833
429.60	8.9341	452.13	4.5397	475.83	1.8412
428.81	8.8076	453.22	4.4881	475.83	1.8271
429.19	8.7327	453.56	4.4460	476.43	1.7849
431.18	8.6577	454.24	4.3757	476.88	1.7568
431.25	8.5640	455.40	4.3288	477.37	1.7194
429.67	8.4984	453.56	4.2867	477.74	1.6912
430.69	8.3813	454.01	4.2070	478.16	1.6585
430.80	8.3298	456.57	4.1602	480.38	1.6397
432.23	8.2407	454.76	4.0899	480.75	1.6022
433.02	8.1611	455.47	4.0571	479.02	1.5788
433.55	8.0627	455.59	4.0056	480.94	1.5460
432.87	8.0159	455.96	3.9634	481.20	1.5085
432.72	7.9081	456.90	3.8978	481.50	1.5039
434.86	7.8332	456.53	3.8557	482.48	1.4523
430.71	7.7582	456.75	3.8088	482.06	1.4289
433.39	7.6832	457.31	3.7526	483.42	1.4008
433.92	7.6083	457.54	3.7151	483.87	1.3727
436.29	7.5380	458.07	3.6683	483.98	1.3493
435.16	7.4630	458.37	3.6121	484.32	1.3258
436.63	7.3928	458.55	3.5746	485.03	1.3024
436.21	7.3131	460.88	3.5090	483.75	1.2649
437.22	7.2101	459.57	3.4809	484.99	1.2509

484.81	1.2321	507.98	0.16866	532.58	-0.20145
486.39	1.1900	509.74	0.14523	533.03	-0.19677
486.54	1.1759	509.86	0.14523	533.74	-0.21082
486.68	1.1525	510.16	0.13118	533.85	-0.21551
487.55	1.1197	510.42	0.12181	533.21	-0.21551
487.55	1.1056	510.76	0.12181	534.57	-0.22019
488.04	1.0916	511.36	0.11244	534.75	-0.22019
488.60	1.0635	511.58	0.10775	533.32	-0.21551
488.79	1.0494	512.11	0.093698	535.81	-0.22956
489.43	1.0213	505.19	0.084328	536.03	-0.22956
489.65	1.0026	495.71	0.070273	535.99	-0.23425
489.76	0.99320	498.89	0.074958	536.48	-0.22956
490.06	0.96509	511.74	0.056219	536.97	-0.23425
490.93	0.93698	505.92	0.060904	537.46	-0.23893
491.12	0.93230	514.51	0.042164	537.76	-0.24362
491.08	0.90419	514.14	0.042164	538.44	-0.24362
491.87	0.87608	515.34	0.023424	538.62	-0.24362
491.45	0.85265	515.30	0.023424	538.96	-0.24830
490.78	0.82923	515.94	0.018740	539.00	-0.24362
493.03	0.80580	516.20	0.0093700	539.22	-0.24830
491.98	0.77769	516.16	0.0000	540.05	-0.25299
492.80	0.76364	516.77	-0.0046850	540.46	-0.25767
494.08	0.74958	517.25	-0.0046850	540.65	-0.25767
494.31	0.73084	517.59	-0.014055	541.29	-0.26235
493.89	0.70274	517.93	-0.023424	541.21	-0.26235
495.21	0.69336	516.61	-0.028109	541.70	-0.25767
494.76	0.67463	517.07	-0.037479	541.97	-0.26235
494.68	0.66526	514.53	-0.037479	541.51	-0.26704
496.22	0.63715	519.62	-0.042164	542.64	-0.26235
496.26	0.63246	518.45	-0.056219	543.09	-0.26235
497.20	0.61372	515.40	-0.060904	543.58	-0.26704
496.90	0.59498	520.22	-0.065589	544.11	-0.27172
497.42	0.57624	520.90	-0.065589	544.41	-0.27172
497.01	0.56219	521.57	-0.070273	544.52	-0.27172
496.63	0.54345	521.65	-0.079643	545.16	-0.27172
498.70	0.52002	521.91	-0.098383	545.23	-0.27641
498.47	0.50128	522.21	-0.084328	545.76	-0.28578
499.79	0.49660	522.85	-0.098383	545.19	-0.28109
499.26	0.47317	522.89	-0.10307	546.85	-0.29046
500.17	0.46380	523.75	-0.11244	545.91	-0.28578
500.58	0.44975	523.45	-0.11244	547.45	-0.29046
501.14	0.44038	524.24	-0.11244	545.83	-0.29515
501.48	0.42633	523.00	-0.11712	548.35	-0.29983
500.36	0.40759	525.03	-0.13118	548.31	-0.30452
500.95	0.39353	525.52	-0.12649	548.20	-0.29515
501.63	0.37948	525.52	-0.13118	548.91	-0.29983
502.91	0.37011	526.00	-0.13118	549.48	-0.30452
503.21	0.36074	526.38	-0.13586	549.59	-0.30452
501.48	0.33263	526.53	-0.14992	549.81	-0.29983
503.40	0.32794	526.98	-0.14523	549.36	-0.30452
504.34	0.31389	527.39	-0.14992	548.01	-0.31389
504.86	0.30452	527.92	-0.15460	548.01	-0.32326
505.01	0.29046	527.96	-0.15460	548.01	-0.31389
504.41	0.27641	528.75	-0.16866	547.78	-0.31389
504.97	0.26704	528.78	-0.16397	547.37	-0.30920
505.99	0.25299	529.72	-0.17334	549.18	-0.30452
506.44	0.23425	529.76	-0.17334	547.26	-0.31389
505.99	0.22019	530.29	-0.18740	546.13	-0.31389
506.89	0.22019	530.55	-0.18271	545.87	-0.30452
507.04	0.21082	531.04	-0.18740	545.57	-0.30920
507.87	0.19677	531.45	-0.18740	545.19	-0.30920
507.75	0.18740	531.56	-0.19208	544.67	-0.30452
508.47	0.18271	532.20	-0.19677	545.27	-0.30920
508.80	0.16866	532.31	-0.20145	543.88	-0.29983

544.37	-0.30920	519.80	-0.10775	497.23	0.47786
543.99	-0.29983	519.69	-0.10307	496.96	0.47317
544.33	-0.30920	519.01	-0.093698	496.66	0.48254
542.53	-0.30452	518.64	-0.093698	496.33	0.50597
544.07	-0.30452	518.45	-0.079643	495.88	0.52002
541.48	-0.29515	517.96	-0.074958	495.42	0.53876
541.36	-0.29983	517.81	-0.074958	495.20	0.54813
540.99	-0.29046	517.32	-0.065589	495.01	0.56219
540.65	-0.29046	517.13	-0.065589	494.56	0.57624
541.67	-0.29515	516.57	-0.060904	494.15	0.59030
540.99	-0.29046	516.35	-0.051534	493.77	0.60435
539.18	-0.28578	515.78	-0.046849	493.47	0.61841
539.00	-0.28578	515.52	-0.042164	493.17	0.63246
538.62	-0.28109	515.22	-0.032794	492.95	0.64652
538.25	-0.27172	515.03	-0.028109	492.65	0.66994
537.91	-0.27172	514.35	-0.028109	492.20	0.67931
537.38	-0.27641	513.98	-0.018740	491.74	0.68868
537.04	-0.27641	513.83	-0.018740	491.48	0.72148
536.86	-0.26235	513.53	-0.014055	491.11	0.73084
536.40	-0.26235	513.08	0.0000	490.77	0.76364
536.07	-0.26704	512.78	0.0046850	490.51	0.78238
535.69	-0.26235	512.33	0.0093700	490.17	0.80112
535.35	-0.25767	511.95	0.023424	489.75	0.81986
534.75	-0.25299	511.61	0.023424	489.57	0.83860
534.71	-0.24830	511.31	0.037479	489.04	0.86202
534.19	-0.25299	510.86	0.032794	488.70	0.87608
533.77	-0.24830	510.45	0.046849	488.40	0.91356
533.47	-0.24830	510.26	0.056219	487.99	0.92292
532.91	-0.24362	509.81	0.070273	487.76	0.94166
532.69	-0.23893	509.43	0.074958	487.28	0.95572
532.50	-0.23893	509.06	0.089013	486.98	0.97914
532.05	-0.23425	508.76	0.093698	486.53	1.0073
531.41	-0.22956	508.53	0.10307	486.45	1.0260
531.29	-0.22956	508.16	0.11244	486.04	1.0447
530.69	-0.22019	507.71	0.12181	485.70	1.0682
530.47	-0.22019	507.52	0.12181	485.21	1.1010
529.94	-0.22019	507.18	0.13586	484.91	1.1056
529.79	-0.21551	506.62	0.14523	484.76	1.1384
529.34	-0.21082	506.62	0.14992	483.97	1.1665
529.00	-0.20614	506.17	0.15929	483.82	1.1993
528.44	-0.20614	505.64	0.17334	483.60	1.2087
528.44	-0.20614	505.30	0.18740	483.03	1.2415
527.95	-0.20614	504.85	0.20145	482.81	1.2556
527.61	-0.19208	504.63	0.20145	482.36	1.2883
527.24	-0.19208	504.21	0.21082	482.02	1.3024
526.86	-0.19208	503.80	0.22956	481.72	1.3399
526.56	-0.18271	503.61	0.23425	481.38	1.3680
526.04	-0.18271	503.16	0.25299	480.97	1.3867
525.70	-0.17334	502.97	0.27172	480.63	1.4195
525.13	-0.16866	502.49	0.27641	480.37	1.4383
525.02	-0.17334	502.15	0.29046	479.92	1.4757
524.68	-0.16866	501.70	0.29983	479.58	1.4992
524.27	-0.15460	501.43	0.30452	479.16	1.5132
524.08	-0.14992	501.06	0.32326	478.79	1.5554
523.67	-0.15460	500.65	0.33263	478.64	1.5741
523.22	-0.14523	500.31	0.34200	478.19	1.6069
522.88	-0.14992	499.93	0.36542	477.96	1.6257
522.73	-0.13586	499.78	0.36542	477.51	1.6631
522.39	-0.13586	499.29	0.37948	477.29	1.6725
521.83	-0.13586	498.96	0.38885	476.80	1.7006
521.34	-0.13118	498.54	0.41227	476.46	1.7475
521.04	-0.12181	498.17	0.42164	476.05	1.7709
520.48	-0.11244	497.79	0.43101	475.48	1.8084
520.21	-0.11244	497.42	0.45912	475.14	1.8365

474.88	1.8693	453.07	4.3242	430.73	8.1658
474.66	1.8974	452.54	4.3616	430.50	8.2314
474.21	1.9255	452.43	4.4085	430.31	8.2970
473.79	1.9489	451.79	4.4881	429.86	8.4047
473.61	1.9864	451.64	4.5397	429.71	8.4750
473.23	2.0286	451.15	4.5584	429.11	8.5593
473.01	2.0379	450.89	4.6099	428.77	8.6390
472.52	2.0707	450.66	4.6474	428.32	8.7280
472.14	2.0801	450.25	4.6708	428.21	8.8217
471.92	2.1035	450.03	4.7130	428.02	8.9060
471.24	2.1316	449.39	4.7739	427.46	8.9997
471.13	2.1597	449.01	4.8208	427.31	9.0887
470.64	2.1832	448.75	4.8582	426.97	9.1683
470.56	2.2300	448.30	4.9191	426.64	9.2620
470.11	2.2675	448.11	4.9660	426.26	9.3511
469.93	2.3003	447.70	5.0410	425.81	9.4213
469.48	2.3424	446.80	5.0737	425.43	9.5150
469.10	2.3752	446.95	5.1159	425.13	9.5994
468.69	2.4127	446.50	5.1956	424.87	9.7118
468.35	2.4549	446.20	5.2377	424.76	9.7727
468.09	2.4830	445.78	5.2939	424.12	9.8992
467.71	2.5111	445.60	5.3220	423.63	9.9976
467.37	2.5392	445.18	5.4017	423.52	10.054
467.00	2.5861	445.03	5.4345	423.29	10.166
466.89	2.6189	444.54	5.5048	422.69	10.293
466.21	2.6657	444.21	5.5516	422.39	10.358
465.95	2.7032	443.98	5.6078	422.09	10.466
465.65	2.7360	443.49	5.6781	421.72	10.579
465.12	2.7875	443.08	5.7296	421.49	10.658
465.05	2.8109	442.86	5.7812	421.12	10.761
464.78	2.8437	442.29	5.8655	420.78	10.817
464.18	2.8906	442.14	5.9217	420.48	10.902
463.84	2.9140	441.84	5.9639	420.29	10.981
463.54	2.9655	441.39	6.0342	419.88	11.089
463.09	3.0124	441.09	6.0857	419.50	11.188
462.91	3.0452	440.83	6.1560	419.16	11.267
462.49	3.0873	440.60	6.2075	418.75	11.380
462.12	3.1389	439.96	6.2965	418.26	11.464
461.82	3.1623	439.66	6.3293	418.15	11.572
461.55	3.2045	439.29	6.4230	417.70	11.684
461.25	3.2420	438.95	6.4886	417.36	11.797
460.80	3.2794	438.61	6.5589	417.06	11.853
460.47	3.3122	438.24	6.6244	416.69	12.026
460.16	3.3544	437.90	6.6807	416.39	12.092
459.83	3.3872	437.60	6.7463	416.12	12.209
459.60	3.4200	437.37	6.8025	415.71	12.335
458.96	3.4809	437.04	6.9102	415.45	12.424
458.74	3.5230	436.62	6.9618	414.92	12.556
458.59	3.5652	436.43	7.0273	414.55	12.640
458.18	3.6027	435.80	7.1117	414.32	12.748
457.80	3.6636	435.57	7.1726	413.98	12.860
457.46	3.6917	435.12	7.2663	413.53	12.977
457.12	3.7339	434.78	7.3084	413.42	13.071
456.86	3.7854	434.59	7.3834	413.12	13.197
456.22	3.8463	434.03	7.4818	412.63	13.291
455.92	3.8791	433.88	7.5427	412.18	13.422
455.73	3.9306	433.54	7.5849	411.92	13.530
455.43	3.9869	433.24	7.6598	411.54	13.675
455.06	4.0290	432.83	7.7488	411.28	13.755
454.76	4.0759	432.72	7.8191	410.87	13.905
454.42	4.1321	432.19	7.8613	410.45	14.027
454.04	4.1742	431.82	7.9456	410.23	14.148
453.82	4.2258	431.48	8.0205	409.81	14.284
453.41	4.2773	431.06	8.0861	409.51	14.397

409.21	14.514	387.62	21.757	365.96	29.416
408.99	14.640	387.44	21.902	365.73	29.576
408.57	14.739	387.02	22.010	365.55	29.707
408.24	14.842	386.65	22.113	365.10	29.899
408.01	14.950	386.23	22.235	364.61	29.997
407.45	15.067	385.93	22.295	364.27	30.143
407.22	15.113	385.52	22.441	363.86	30.358
406.92	15.231	385.45	22.502	363.74	30.466
406.55	15.306	384.88	22.651	363.29	30.649
406.17	15.362	384.70	22.750	363.07	30.752
405.87	15.455	384.32	22.933	362.66	30.948
405.61	15.544	383.76	23.083	362.32	31.098
405.23	15.619	383.68	23.204	362.02	31.248
404.89	15.708	383.16	23.350	361.79	31.412
404.63	15.807	382.86	23.476	361.19	31.572
404.18	15.905	382.52	23.640	360.93	31.712
403.84	16.013	382.14	23.715	360.59	31.876
403.51	16.163	381.84	23.832	360.29	31.965
403.21	16.285	381.58	23.926	359.84	32.171
402.83	16.449	381.17	24.052	359.50	32.326
402.64	16.528	380.79	24.155	359.16	32.466
402.15	16.650	380.41	24.235	358.90	32.555
401.85	16.795	380.08	24.371	358.53	32.729
401.55	16.917	379.85	24.460	358.15	32.865
401.33	17.020	379.44	24.591	357.70	33.010
400.91	17.095	379.29	24.652	357.51	33.141
400.43	17.250	378.84	24.783	357.17	33.277
400.20	17.329	378.42	24.896	356.72	33.464
399.94	17.442	377.97	25.003	356.35	33.558
399.41	17.592	377.82	25.120	355.94	33.722
399.15	17.685	377.64	25.228	355.75	33.811
398.85	17.812	376.92	25.350	355.37	33.980
398.44	17.892	376.51	25.472	354.77	34.097
398.17	18.023	376.28	25.603	355.00	34.270
398.06	18.098	375.98	25.720	355.11	34.350
397.39	18.276	375.61	25.842	356.42	34.439
397.05	18.379	375.31	26.029	355.52	34.537
396.56	18.491	375.08	26.076	359.23	34.598
396.18	18.641	374.90	26.249	357.32	34.650
396.07	18.740	374.41	26.385	359.56	34.664
395.70	18.861	373.99	26.549	356.65	34.687
395.36	18.983	373.96	26.643	357.02	34.682
394.98	19.096	373.66	26.770	357.44	34.668
394.91	19.227	373.02	26.943	357.93	34.635
394.34	19.353	372.75	27.027	358.26	34.589
394.01	19.484	372.49	27.158	358.68	34.509
393.74	19.611	371.97	27.322	358.94	34.462
393.37	19.775	371.70	27.439	359.24	34.368
392.92	19.859	371.29	27.580	359.80	34.242
392.50	20.005	371.14	27.650	360.10	34.144
392.20	20.112	370.76	27.781	360.44	34.073
391.90	20.234	370.35	27.899	361.12	33.923
391.57	20.398	370.05	28.053	361.34	33.787
391.42	20.436	369.68	28.184	361.76	33.661
390.96	20.614	369.38	28.273	361.95	33.586
390.74	20.745	369.11	28.390	362.43	33.394
390.21	20.895	368.78	28.517	362.70	33.310
389.99	20.998	368.32	28.597	363.26	33.118
389.58	21.073	368.14	28.737	363.45	32.977
389.46	21.232	367.76	28.831	363.90	32.822
388.71	21.344	367.27	28.976	364.54	32.649
388.49	21.457	367.05	29.046	364.80	32.593
388.34	21.546	366.82	29.149	365.14	32.415
387.89	21.691	366.48	29.290	365.29	32.316

365.89	32.143	390.42	17.212	414.53	8.9060
366.15	31.984	390.94	16.973	414.87	8.8264
366.68	31.825	391.17	16.819	415.13	8.7701
367.02	31.651	391.62	16.706	415.58	8.6764
367.43	31.473	391.96	16.496	415.92	8.5593
367.88	31.267	392.29	16.336	416.33	8.4797
368.22	31.122	392.93	16.116	416.56	8.4000
368.67	30.864	393.16	15.999	416.97	8.2829
368.78	30.733	393.53	15.849	417.35	8.2267
369.38	30.522	393.76	15.694	417.84	8.1049
369.65	30.316	394.32	15.493	418.17	8.0299
370.17	30.026	394.74	15.352	418.40	7.9456
370.40	29.890	395.07	15.263	418.77	7.9034
370.89	29.669	395.49	15.085	419.04	7.7957
371.37	29.388	395.94	14.959	419.45	7.7067
371.71	29.164	396.24	14.846	420.01	7.6270
372.01	28.934	396.69	14.701	420.35	7.5614
372.58	28.681	396.99	14.650	420.73	7.4724
372.88	28.451	397.29	14.523	421.18	7.3881
373.29	28.203	397.74	14.397	421.63	7.3131
373.59	28.039	398.15	14.261	421.85	7.2710
374.04	27.697	398.38	14.144	422.23	7.1726
374.42	27.374	398.75	14.013	422.42	7.0929
374.68	27.280	399.17	13.849	422.94	7.0461
375.24	26.952	399.58	13.722	423.21	6.9758
375.47	26.709	399.99	13.539	423.62	6.8868
376.03	26.376	400.30	13.455	423.88	6.8212
376.26	26.128	400.56	13.314	424.22	6.7744
376.71	25.907	401.05	13.188	424.78	6.6807
377.01	25.603	401.46	13.015	425.16	6.6104
377.50	25.336	401.68	12.930	425.57	6.5354
377.87	25.167	402.36	12.743	425.95	6.4652
378.36	24.825	402.59	12.607	426.21	6.4043
378.62	24.568	403.00	12.504	426.77	6.3059
379.15	24.310	403.49	12.331	426.89	6.2497
379.26	24.137	403.75	12.214	427.30	6.1981
379.75	23.790	404.09	12.087	427.60	6.1278
380.01	23.621	404.61	11.956	428.16	6.0295
380.65	23.265	404.80	11.834	428.50	5.9732
380.88	22.984	405.18	11.708	428.73	5.9405
381.33	22.797	405.67	11.576	429.21	5.8374
381.74	22.417	405.97	11.464	429.63	5.7812
382.12	22.141	406.23	11.356	430.00	5.6922
382.30	21.967	406.75	11.211	430.30	5.6266
382.87	21.565	407.13	11.094	430.79	5.5985
383.13	21.288	407.43	10.977	431.20	5.5141
383.62	21.012	407.77	10.869	431.54	5.4485
383.81	20.838	408.14	10.747	431.92	5.4017
384.41	20.482	408.67	10.625	432.22	5.3548
384.78	20.234	408.90	10.546	432.48	5.2658
385.05	20.037	409.35	10.405	433.01	5.2049
385.38	19.761	409.57	10.302	433.38	5.1628
385.87	19.555	410.10	10.157	433.64	5.0925
386.32	19.278	410.32	10.054	434.10	5.0410
386.70	19.068	410.66	9.9835	434.43	4.9613
387.08	18.880	411.15	9.8430	434.85	4.9098
387.60	18.669	411.53	9.7305	435.22	4.8629
387.79	18.473	411.98	9.6603	435.60	4.7973
388.16	18.220	412.09	9.5572	435.86	4.7458
388.46	18.098	412.65	9.4073	436.31	4.6849
388.91	17.915	412.99	9.3464	436.65	4.6381
389.18	17.751	413.22	9.2339	437.10	4.5725
389.78	17.512	413.63	9.1168	437.51	4.5444
390.04	17.395	414.04	9.0465	437.81	4.4881

438.34	4.4085	462.23	1.7475	486.15	0.31857
438.64	4.3523	462.41	1.7053	486.48	0.29983
439.17	4.3007	463.01	1.6585	486.86	0.28578
439.35	4.2679	463.20	1.6444	487.42	0.26704
439.73	4.2070	463.73	1.6069	487.80	0.26704
440.07	4.1555	463.95	1.5788	488.14	0.24362
440.52	4.1087	464.40	1.5460	488.44	0.22956
440.89	4.0618	464.63	1.5273	489.00	0.22488
441.31	4.0056	465.19	1.5085	489.49	0.20614
441.53	3.9494	465.49	1.4664	489.60	0.19677
441.98	3.9025	465.79	1.4429	489.98	0.18271
442.51	3.8557	466.39	1.4055	490.39	0.17334
442.81	3.8041	466.58	1.3820	490.65	0.16866
443.19	3.7526	467.07	1.3446	490.84	0.15929
443.56	3.7011	467.41	1.3211	491.40	0.14055
443.90	3.6636	467.78	1.3024	491.85	0.12649
444.27	3.6121	468.12	1.2696	492.19	0.11712
444.80	3.5605	468.53	1.2368	492.49	0.10775
445.10	3.5184	468.76	1.2228	493.06	0.098383
445.44	3.4668	469.10	1.1946	493.43	0.093698
445.85	3.4247	469.77	1.1665	493.70	0.084328
446.23	3.3731	470.11	1.1478	494.11	0.070273
446.57	3.3310	470.49	1.1197	494.56	0.060904
446.98	3.2701	470.90	1.0916	494.82	0.046849
447.43	3.2420	471.13	1.0635	495.16	0.042164
447.88	3.1951	471.73	1.0307	495.65	0.037479
448.26	3.1436	471.99	1.0073	495.91	0.028109
448.74	3.0920	472.25	0.98383	496.47	0.014055
449.01	3.0546	472.59	0.96977	496.70	0.0046850
449.23	3.0405	473.12	0.94166	497.04	0.0000
449.80	2.9749	473.45	0.92292	497.26	-0.0046850
450.17	2.9187	473.68	0.90887	497.75	-0.0046850
450.58	2.8812	474.20	0.88545	498.09	-0.018740
450.77	2.8484	474.54	0.85734	498.46	-0.023424
451.11	2.8109	474.96	0.83860	499.03	-0.032794
451.64	2.7547	475.26	0.81049	499.37	-0.042164
451.49	2.7313	475.71	0.78706	499.70	-0.046849
452.35	2.6938	476.08	0.76832	500.00	-0.056219
452.61	2.6610	476.61	0.74958	500.30	-0.065589
452.65	2.6095	476.95	0.73553	500.79	-0.070273
453.55	2.5720	477.40	0.70742	501.17	-0.079643
453.78	2.5392	477.58	0.68868	501.47	-0.089013
454.19	2.4830	478.15	0.67463	501.73	-0.089013
454.53	2.4596	478.37	0.65589	502.26	-0.098383
455.01	2.4221	478.82	0.63715	502.63	-0.10307
455.35	2.3752	479.12	0.61372	502.86	-0.10775
455.54	2.3471	479.54	0.59967	503.35	-0.11712
456.14	2.3050	480.06	0.58093	503.50	-0.11244
456.37	2.2769	480.36	0.55750	504.10	-0.13118
456.74	2.2300	480.70	0.53876	504.29	-0.13118
457.08	2.2113	481.11	0.52939	504.85	-0.14055
457.53	2.1691	481.38	0.52002	505.07	-0.13118
457.79	2.1363	481.90	0.49191	505.41	-0.14523
458.17	2.0942	482.13	0.47786	505.83	-0.14992
458.58	2.0660	482.47	0.45443	506.20	-0.15460
459.15	2.0239	482.96	0.44506	506.58	-0.15460
459.37	1.9911	483.41	0.42633	506.99	-0.16866
459.48	1.9630	483.67	0.40759	507.14	-0.16866
459.97	1.9302	484.20	0.39822	507.70	-0.17334
460.27	1.8974	484.38	0.38885	508.04	-0.17334
460.84	1.8693	484.80	0.37011	508.42	-0.17803
461.10	1.8318	485.06	0.35605	508.79	-0.18271
461.51	1.7990	485.58	0.34200	508.90	-0.18271
461.74	1.7662	485.96	0.33263	509.43	-0.19208

509.88	-0.19208	498.54	-0.098383	475.85	0.69336
510.11	-0.20145	497.90	-0.089013	475.51	0.72148
510.78	-0.21082	497.60	-0.084328	475.18	0.74021
511.01	-0.21082	497.37	-0.074958	474.73	0.77301
511.38	-0.21551	497.00	-0.070273	474.54	0.78238
511.57	-0.21082	496.66	-0.060904	473.97	0.80580
512.14	-0.22488	496.17	-0.051534	473.71	0.81986
512.32	-0.22488	495.91	-0.037479	473.30	0.85265
512.62	-0.22488	495.57	-0.046849	473.07	0.87139
513.11	-0.22488	495.31	-0.028109	472.62	0.88545
513.41	-0.22956	494.89	-0.023424	472.32	0.90887
513.79	-0.23425	494.56	-0.0093700	471.91	0.93230
514.13	-0.24362	494.22	-0.0046850	471.61	0.96040
513.27	-0.25299	494.03	0.0000	471.16	0.97914
514.69	-0.24362	493.51	0.018740	470.78	0.99320
515.29	-0.25299	493.09	0.023424	470.52	1.0166
515.18	-0.26235	492.75	0.037479	470.18	1.0447
514.02	-0.26235	492.27	0.046849	469.69	1.0588
514.99	-0.26235	492.04	0.046849	469.35	1.0869
514.92	-0.25767	491.55	0.065589	469.02	1.1197
514.47	-0.26704	491.40	0.065589	468.68	1.1431
513.94	-0.26235	490.99	0.079643	468.38	1.1759
513.71	-0.26235	490.69	0.084328	467.93	1.1946
513.45	-0.25767	490.31	0.10775	467.63	1.2274
512.89	-0.25299	489.97	0.11244	467.25	1.2602
512.81	-0.26235	489.52	0.12181	466.91	1.2696
512.14	-0.25767	489.19	0.14055	466.61	1.2977
511.87	-0.25767	488.81	0.14992	466.24	1.3305
511.69	-0.25767	488.40	0.14992	465.79	1.3586
511.08	-0.25299	488.21	0.16866	465.45	1.3961
510.78	-0.25299	487.72	0.18740	465.11	1.4242
510.37	-0.24830	487.34	0.19677	464.89	1.4570
510.00	-0.24362	487.08	0.21082	464.51	1.4851
509.88	-0.25299	486.71	0.22019	464.25	1.5085
509.43	-0.24830	486.56	0.23425	463.61	1.5460
509.02	-0.23893	485.99	0.23893	463.46	1.5694
508.53	-0.23425	485.77	0.26235	462.93	1.6116
508.27	-0.22956	485.47	0.27172	462.75	1.6303
508.08	-0.23425	484.90	0.29046	462.37	1.6631
507.40	-0.22488	484.68	0.29983	462.07	1.6912
507.14	-0.22488	484.42	0.30920	461.58	1.7334
506.69	-0.21551	483.89	0.33263	461.32	1.7568
506.54	-0.21551	483.59	0.34200	461.02	1.7943
506.05	-0.20614	483.10	0.36542	460.57	1.8224
505.56	-0.20614	483.06	0.36542	460.08	1.8552
505.34	-0.20145	482.54	0.39353	459.78	1.8880
504.77	-0.19208	482.16	0.39822	459.52	1.9068
504.51	-0.19677	481.82	0.42164	459.18	1.9395
504.14	-0.18740	481.45	0.43101	458.62	1.9770
503.95	-0.18271	481.07	0.45443	458.47	1.9864
503.31	-0.18271	480.70	0.46849	458.16	2.0286
503.23	-0.17803	480.43	0.48254	457.86	2.0660
502.75	-0.17334	480.10	0.49191	457.45	2.1082
502.52	-0.16866	479.68	0.51534	457.34	2.1410
501.99	-0.15460	479.38	0.52471	456.96	2.1597
501.54	-0.14992	478.82	0.55750	456.55	2.2160
501.28	-0.14992	478.63	0.55750	456.06	2.2534
500.90	-0.13586	478.29	0.58561	455.76	2.2862
500.49	-0.13586	478.03	0.59967	455.46	2.3237
500.08	-0.13118	477.50	0.62309	455.16	2.3565
499.93	-0.12181	477.28	0.63246	454.75	2.4034
499.51	-0.11712	476.75	0.65589	454.64	2.4080
499.25	-0.11244	476.45	0.66994	454.19	2.4596
498.54	-0.10307	476.19	0.68868	453.81	2.4830

453.51	2.5298	431.17	5.5797	409.43	10.602
453.21	2.5533	430.72	5.6359	409.20	10.733
452.76	2.6048	430.30	5.6828	408.79	10.874
452.35	2.6610	430.12	5.7484	408.38	10.977
452.12	2.6891	429.89	5.8140	408.08	11.089
451.67	2.7079	429.36	5.8655	407.66	11.234
451.41	2.7594	428.91	5.9405	407.51	11.328
451.11	2.7922	428.76	6.0060	406.99	11.431
450.47	2.8484	428.46	6.0576	406.69	11.525
450.28	2.8578	428.09	6.1372	406.24	11.633
450.06	2.9000	427.79	6.2122	406.09	11.722
449.68	2.9468	427.41	6.2684	405.71	11.825
449.15	3.0030	427.15	6.3387	405.37	11.914
449.16	3.0358	426.74	6.3996	405.03	12.031
448.63	3.0499	426.21	6.4792	404.70	12.139
448.33	3.1155	425.91	6.5635	404.25	12.265
448.18	3.1623	425.84	6.6104	403.98	12.373
447.73	3.1764	425.27	6.6994	403.64	12.490
447.20	3.2326	424.94	6.7650	403.27	12.598
446.75	3.2701	424.64	6.8587	402.93	12.743
446.45	3.3263	424.60	6.8868	402.63	12.865
446.15	3.3591	424.00	6.9899	402.33	12.944
445.70	3.4106	423.73	7.0461	401.88	13.104
445.40	3.4387	423.28	7.1257	401.62	13.221
445.14	3.4996	422.98	7.2007	401.17	13.310
444.65	3.5371	422.68	7.2663	400.98	13.432
444.31	3.5886	422.19	7.3366	400.53	13.591
444.01	3.6355	422.01	7.4115	400.12	13.671
443.71	3.6683	421.74	7.4724	399.89	13.792
443.30	3.7198	421.37	7.5567	399.48	13.952
442.77	3.7807	420.92	7.6364	399.10	14.036
442.51	3.8229	420.77	7.6832	398.76	14.181
442.09	3.8932	420.32	7.7676	398.39	14.303
441.46	3.9166	419.72	7.8706	398.24	14.411
441.08	3.9775	419.53	7.9175	397.75	14.575
441.08	4.0290	419.42	7.9924	397.53	14.664
440.82	4.0712	418.59	8.1002	397.04	14.795
440.40	4.1274	418.51	8.1658	396.85	14.907
440.18	4.1696	418.14	8.2642	396.32	15.034
439.69	4.2398	417.76	8.3204	396.06	15.146
439.50	4.2867	417.58	8.4094	395.80	15.282
439.09	4.3335	417.35	8.4797	395.31	15.441
438.53	4.3804	416.90	8.5781	395.12	15.559
438.19	4.4413	416.45	8.6718	394.67	15.690
437.93	4.4928	416.26	8.7514	394.41	15.802
437.66	4.5303	415.81	8.8451	394.03	15.919
437.29	4.5678	415.59	8.9013	393.70	16.036
436.91	4.6193	415.14	9.0325	393.43	16.158
436.57	4.6896	414.95	9.1309	393.28	16.271
434.34	4.7411	414.57	9.2293	392.79	16.397
434.30	4.7739	414.16	9.3511	392.31	16.561
435.64	4.8442	413.82	9.4073	391.97	16.678
435.22	4.9051	413.60	9.5150	391.56	16.805
435.04	4.9519	413.37	9.6040	391.22	16.917
434.51	5.0269	412.81	9.6931	390.95	17.044
433.65	5.0550	412.51	9.7774	390.58	17.198
433.80	5.1159	412.17	9.8664	390.32	17.283
433.61	5.1768	411.76	9.9788	389.90	17.395
433.35	5.2471	411.42	10.063	389.42	17.550
433.01	5.2752	411.16	10.152	389.23	17.667
432.48	5.3408	410.86	10.246	389.08	17.775
432.26	5.4017	410.48	10.340	388.85	17.896
431.88	5.4579	409.99	10.471	388.21	18.004
431.47	5.5235	409.84	10.546	387.80	18.149

387.57	18.262	365.84	26.484	343.91	34.903
387.16	18.402	365.50	26.582	343.57	35.062
386.79	18.487	365.09	26.760	343.05	35.155
386.56	18.637	364.79	26.882	342.97	35.230
386.03	18.744	364.64	26.994	342.49	35.413
385.92	18.810	364.26	27.074	341.96	35.535
385.44	18.960	364.04	27.229	341.77	35.619
385.29	19.044	363.51	27.355	341.58	35.722
384.95	19.119	363.28	27.463	341.21	35.872
384.72	19.217	362.87	27.599	340.76	35.985
384.35	19.339	362.46	27.706	340.50	36.083
383.93	19.442	362.08	27.842	340.38	36.186
383.37	19.545	361.67	27.964	340.65	36.275
383.07	19.653	361.37	28.072	340.69	36.392
382.88	19.766	361.11	28.241	340.76	36.463
382.39	19.925	360.69	28.362	341.02	36.519
382.13	20.042	360.58	28.447	341.13	36.552
381.94	20.173	360.17	28.573	341.89	36.594
381.42	20.304	359.87	28.737	342.11	36.627
381.12	20.454	359.49	28.868	342.49	36.631
380.82	20.585	359.12	28.995	342.90	36.650
380.59	20.726	358.63	29.140	343.28	36.631
379.92	20.909	358.37	29.271	343.80	36.598
379.88	20.998	358.03	29.416	344.18	36.570
379.73	21.138	357.73	29.534	344.51	36.523
379.28	21.316	357.39	29.707	345.00	36.444
378.79	21.415	357.05	29.843	345.38	36.374
378.64	21.611	356.56	30.026	345.64	36.308
378.23	21.747	356.23	30.115	346.02	36.266
377.96	21.869	355.93	30.307	346.39	36.139
377.36	22.010	355.59	30.452	346.84	36.055
377.06	22.146	355.33	30.569	347.14	35.994
376.91	22.281	354.76	30.705	347.59	35.858
376.65	22.380	354.57	30.827	347.93	35.755
376.01	22.562	354.16	30.977	348.35	35.652
375.79	22.684	354.05	31.089	348.72	35.544
375.41	22.830	353.49	31.262	348.98	35.441
375.07	22.947	353.22	31.347	349.51	35.301
374.81	23.092	352.88	31.492	349.85	35.184
374.28	23.270	352.40	31.646	350.07	35.109
374.25	23.373	352.25	31.782	350.52	34.987
373.76	23.448	351.80	31.914	350.97	34.828
373.31	23.645	351.34	32.035	351.16	34.739
372.89	23.771	351.16	32.181	351.73	34.598
372.71	23.907	350.71	32.359	352.14	34.429
372.56	23.991	350.37	32.480	352.51	34.298
372.18	24.151	350.03	32.612	352.89	34.101
371.58	24.291	349.92	32.691	353.23	34.003
371.36	24.408	349.36	32.869	353.60	33.839
370.98	24.511	349.02	33.000	353.98	33.638
370.68	24.629	348.68	33.085	354.39	33.478
370.42	24.788	348.27	33.249	354.73	33.310
369.97	24.872	347.93	33.371	355.07	33.183
369.74	25.013	347.67	33.520	355.44	32.944
369.33	25.186	347.29	33.609	355.78	32.757
368.92	25.308	346.95	33.727	356.01	32.644
368.50	25.387	346.54	33.900	356.53	32.387
368.43	25.509	346.16	34.045	356.72	32.195
367.90	25.692	345.94	34.153	357.21	31.923
367.56	25.828	345.64	34.270	357.55	31.707
367.30	25.889	345.15	34.382	358.04	31.553
366.89	26.081	344.89	34.523	358.71	31.239
366.63	26.212	344.70	34.621	358.79	31.014
366.10	26.385	344.29	34.785	359.09	30.789

359.73	30.546	383.87	15.413	407.87	7.5099
359.91	30.377	384.21	15.254	408.40	7.3975
360.21	30.157	384.59	15.113	408.74	7.3412
360.66	29.908	385.11	14.903	409.07	7.2663
361.04	29.585	385.34	14.762	409.45	7.1960
361.42	29.370	385.86	14.612	410.01	7.0883
361.79	29.131	385.97	14.514	410.31	7.0133
362.24	28.831	386.35	14.326	410.69	6.9477
362.58	28.597	386.73	14.172	410.99	6.8821
362.92	28.442	387.25	13.966	411.21	6.8025
363.48	28.100	387.70	13.830	411.67	6.7088
363.74	27.861	387.82	13.722	411.89	6.6760
364.04	27.617	388.45	13.516	412.45	6.6057
364.72	27.346	388.64	13.357	412.75	6.5589
364.87	27.093	389.05	13.249	412.98	6.5073
365.09	26.835	389.54	13.052	413.24	6.4605
365.62	26.573	389.99	12.916	413.77	6.3902
366.07	26.282	390.26	12.734	414.03	6.3106
366.48	26.057	390.48	12.687	414.48	6.2543
366.79	25.711	390.97	12.485	414.90	6.2028
367.23	25.551	391.35	12.396	415.38	6.1185
367.61	25.200	391.72	12.204	415.53	6.0576
367.95	25.013	392.17	12.078	416.17	5.9592
368.36	24.708	392.55	11.942	416.32	5.9264
368.66	24.502	392.92	11.768	416.74	5.8608
369.26	24.169	393.34	11.670	417.11	5.7859
369.53	23.912	393.75	11.558	417.41	5.7062
369.75	23.663	394.20	11.394	417.94	5.6406
370.31	23.396	394.35	11.262	418.24	5.5750
370.73	23.157	394.80	11.141	418.61	5.5188
371.03	22.989	395.33	10.986	418.84	5.4392
371.63	22.651	395.59	10.888	419.25	5.3689
371.97	22.417	396.04	10.733	419.82	5.3080
372.38	22.127	396.19	10.644	420.08	5.2471
372.57	21.967	396.68	10.489	420.53	5.1674
372.98	21.682	397.02	10.400	420.64	5.1300
373.43	21.546	397.47	10.265	421.05	5.0737
373.81	21.232	397.81	10.152	421.32	5.0082
374.30	21.021	398.18	10.040	421.73	4.9285
374.63	20.871	398.71	9.9273	422.26	4.8957
374.90	20.585	399.01	9.8055	422.71	4.8301
375.23	20.365	399.20	9.6977	422.97	4.7599
375.76	20.131	399.76	9.5853	423.27	4.7130
376.17	19.808	400.13	9.4729	423.53	4.6755
376.47	19.639	400.43	9.4026	424.06	4.6006
376.81	19.316	400.96	9.2527	424.40	4.5490
377.07	19.161	401.37	9.1402	424.77	4.4881
377.53	18.847	401.79	9.0465	425.15	4.4600
378.05	18.604	401.97	8.9810	425.45	4.3804
378.35	18.365	402.46	8.8591	425.82	4.3195
378.69	18.117	402.65	8.7701	426.27	4.2679
379.03	17.896	403.14	8.6436	426.57	4.2164
379.51	17.685	403.48	8.5593	426.95	4.1696
379.82	17.489	403.97	8.4984	427.48	4.0946
380.08	17.278	404.27	8.3813	427.55	4.0618
380.57	17.016	404.64	8.2829	427.96	4.0243
380.79	16.819	405.02	8.1892	428.38	3.9494
381.43	16.613	405.47	8.1049	428.75	3.9025
381.73	16.491	405.81	8.0205	429.17	3.8604
382.07	16.252	406.07	7.9269	429.54	3.8135
382.37	16.079	406.48	7.8425	429.88	3.7526
382.97	15.910	407.01	7.7535	430.33	3.7104
383.12	15.751	407.35	7.6786	430.67	3.6449
383.50	15.577	407.61	7.5849	430.89	3.6121

431.31	3.5699	455.11	1.2087	478.81	0.056219
431.68	3.4996	455.53	1.1806	479.00	0.051534
432.17	3.4621	455.90	1.1525	479.45	0.032794
432.32	3.4247	456.39	1.1244	479.86	0.028109
433.03	3.3544	456.58	1.1103	480.43	0.018740
433.33	3.3122	457.03	1.0822	480.50	0.014055
433.79	3.2654	457.07	1.0635	480.87	0.0046850
433.90	3.2373	457.67	1.0307	481.44	-0.0093700
434.31	3.1764	457.97	1.0213	481.74	-0.0093700
434.72	3.1248	458.42	0.98383	482.08	-0.023424
435.21	3.0686	458.76	0.95572	482.41	-0.028109
435.63	3.0311	459.09	0.93230	482.83	-0.032794
435.96	3.0077	459.43	0.91824	483.24	-0.046849
436.26	2.9515	459.84	0.89013	483.43	-0.046849
436.60	2.9046	460.18	0.86671	484.14	-0.070273
436.98	2.8672	460.67	0.83860	484.37	-0.070273
437.47	2.8156	460.97	0.82454	484.78	-0.079643
437.77	2.7828	461.20	0.79643	485.16	-0.093698
438.14	2.7547	461.65	0.78238	485.49	-0.093698
438.48	2.7079	462.10	0.75895	485.64	-0.10307
438.97	2.6657	462.29	0.74490	486.09	-0.10307
439.31	2.6189	462.62	0.72148	486.54	-0.11712
439.57	2.5907	463.15	0.69805	486.77	-0.12181
439.94	2.5392	463.45	0.68400	487.30	-0.13586
440.58	2.4924	463.71	0.66994	487.56	-0.14055
440.73	2.4689	464.05	0.64183	487.86	-0.14055
441.18	2.4408	464.46	0.62309	488.38	-0.14523
441.33	2.3940	465.03	0.60435	488.80	-0.15460
441.82	2.3471	465.25	0.58561	489.02	-0.16397
442.27	2.3097	465.63	0.55750	489.36	-0.16866
442.65	2.2675	466.16	0.53876	489.89	-0.17334
443.06	2.2253	466.34	0.52471	490.23	-0.17803
443.36	2.2019	466.64	0.49660	490.56	-0.17803
443.66	2.1738	467.13	0.48723	490.75	-0.18740
444.23	2.1176	467.43	0.46849	491.28	-0.19208
444.49	2.0895	467.92	0.45443	491.54	-0.20614
444.90	2.0426	468.30	0.43101	491.88	-0.20614
445.05	2.0192	468.75	0.41696	492.44	-0.20614
445.69	1.9864	469.08	0.40290	492.78	-0.21082
445.95	1.9536	469.42	0.38416	493.08	-0.21551
446.37	1.9114	469.91	0.37011	493.49	-0.22488
446.82	1.8880	470.21	0.36542	493.94	-0.22488
447.00	1.8599	470.66	0.33731	494.24	-0.22956
447.46	1.8271	470.92	0.32794	494.62	-0.23893
447.91	1.7849	471.30	0.31857	495.07	-0.22956
448.21	1.7615	471.68	0.29983	495.29	-0.24362
448.62	1.7334	472.16	0.28578	495.56	-0.25299
448.99	1.6959	472.43	0.26704	495.89	-0.24830
449.26	1.6631	472.73	0.25299	496.35	-0.25767
449.56	1.6350	473.14	0.23893	496.72	-0.26235
450.12	1.6022	473.67	0.22019	497.13	-0.27172
450.42	1.5835	474.08	0.20145	497.55	-0.27641
450.76	1.5366	474.34	0.19677	497.89	-0.27172
451.21	1.5132	474.72	0.17803	498.49	-0.28578
451.55	1.4945	475.13	0.16397	498.60	-0.28109
451.96	1.4476	475.39	0.15460	498.94	-0.29515
452.30	1.4148	475.77	0.14523	499.46	-0.29515
452.60	1.3914	476.18	0.12649	499.65	-0.29046
452.86	1.3774	476.56	0.12649	500.10	-0.29515
453.39	1.3399	476.90	0.10775	500.40	-0.29515
453.76	1.3165	477.23	0.10307	500.14	-0.29983
453.95	1.2930	477.57	0.089013	499.95	-0.30920
454.36	1.2696	477.98	0.074958	499.95	-0.29983
454.70	1.2415	478.43	0.074958	499.88	-0.30920

499.61	-0.30452	476.29	0.051534	453.53	1.2696
499.13	-0.30452	475.92	0.065589	453.23	1.2883
498.71	-0.30452	475.62	0.070273	452.97	1.3165
498.41	-0.29515	475.31	0.074958	452.40	1.3399
498.00	-0.29515	474.71	0.093698	452.14	1.3774
497.70	-0.29515	474.56	0.10775	451.65	1.4195
497.51	-0.29983	474.11	0.12181	451.43	1.4523
496.99	-0.29983	473.92	0.13118	451.17	1.4664
496.50	-0.29515	473.29	0.14992	450.61	1.5085
496.12	-0.29046	473.02	0.15929	450.49	1.5366
495.83	-0.29046	472.65	0.16866	450.19	1.5648
495.41	-0.28578	472.39	0.17803	449.81	1.5882
495.07	-0.29046	471.90	0.19677	449.40	1.6303
494.85	-0.28578	471.52	0.20145	448.91	1.6631
494.47	-0.29046	471.41	0.21082	448.76	1.6819
493.98	-0.28109	470.88	0.22956	448.35	1.7240
493.53	-0.27641	470.47	0.24830	446.74	1.7568
493.23	-0.27172	470.06	0.27172	447.56	1.7803
492.97	-0.28109	469.83	0.27641	447.30	1.8177
492.59	-0.27641	469.46	0.29983	446.96	1.8459
492.33	-0.27172	469.04	0.30920	446.55	1.8786
491.80	-0.26235	468.74	0.33263	446.21	1.9208
491.54	-0.25299	468.33	0.34668	445.76	1.9442
490.98	-0.25767	468.10	0.35137	445.46	1.9770
490.90	-0.26235	467.54	0.37479	445.16	2.0145
490.15	-0.24830	467.39	0.38416	445.01	2.0567
490.00	-0.24362	466.98	0.40290	442.77	2.0895
489.85	-0.24362	466.53	0.41696	444.11	2.1223
489.32	-0.23425	466.23	0.43101	443.81	2.1551
489.02	-0.22956	465.89	0.45912	443.47	2.2019
488.76	-0.22488	465.40	0.46849	443.09	2.2253
488.27	-0.22019	465.10	0.48723	442.91	2.2628
487.90	-0.22019	464.72	0.52002	442.38	2.3097
487.48	-0.20614	464.35	0.53876	441.93	2.3424
487.30	-0.19208	464.16	0.56219	441.82	2.3752
486.66	-0.18740	463.82	0.58093	441.33	2.4174
486.43	-0.18740	463.37	0.60435	440.99	2.4502
485.94	-0.17803	463.15	0.62778	440.84	2.4971
485.68	-0.17334	462.85	0.64652	440.46	2.5298
485.49	-0.16866	462.47	0.66057	440.01	2.5861
484.97	-0.15929	461.98	0.69336	439.71	2.6048
484.67	-0.14992	461.68	0.70742	439.34	2.6563
484.25	-0.14523	461.30	0.73084	438.52	2.7126
483.92	-0.13586	460.89	0.74958	432.73	2.7407
483.54	-0.13118	460.55	0.77301	438.14	2.7875
483.13	-0.13118	460.33	0.79643	437.91	2.8203
482.75	-0.11712	459.88	0.81517	437.50	2.8672
482.45	-0.11244	459.58	0.84328	437.16	2.9046
482.19	-0.10775	459.16	0.87608	436.78	2.9609
481.74	-0.093698	458.94	0.89482	436.48	2.9937
481.44	-0.093698	458.45	0.91824	436.11	3.0311
481.14	-0.084328	458.19	0.94635	435.62	3.0639
480.72	-0.074958	457.89	0.95572	435.43	3.1061
480.27	-0.051534	457.59	0.98383	435.17	3.1389
480.01	-0.051534	457.17	1.0073	434.83	3.1810
479.56	-0.042164	456.69	1.0447	434.46	3.2279
479.26	-0.028109	456.46	1.0588	434.12	3.2654
478.88	-0.023424	456.01	1.0869	433.78	3.3263
478.70	-0.014055	455.75	1.1103	433.40	3.3778
478.17	0.0000	455.37	1.1337	433.14	3.3919
477.79	0.0000	455.00	1.1665	432.58	3.4715
477.38	0.023424	454.66	1.1900	432.24	3.5184
476.93	0.032794	454.24	1.2228	431.83	3.5652
476.67	0.032794	453.98	1.2228	431.38	3.6214

431.26	3.6589	409.86	7.6458	388.09	14.345
430.89	3.7198	409.37	7.7207	387.45	14.514
430.62	3.7620	408.92	7.8050	387.26	14.640
430.36	3.8041	408.74	7.8894	386.96	14.771
429.87	3.8557	408.25	7.9878	386.70	14.889
429.57	3.9072	408.21	8.0721	386.09	15.062
429.08	3.9541	407.76	8.1236	385.87	15.221
428.82	3.9962	407.31	8.2501	385.49	15.343
428.48	4.0618	407.05	8.3391	385.12	15.493
428.15	4.1087	406.78	8.4188	384.67	15.629
427.73	4.1836	406.45	8.4703	384.59	15.760
427.51	4.2117	406.07	8.5921	384.22	15.886
427.13	4.2633	405.84	8.6858	383.92	16.074
426.95	4.3148	405.32	8.7795	383.32	16.158
426.38	4.3991	404.98	8.8826	383.02	16.294
426.12	4.4413	404.76	8.9669	382.72	16.463
425.82	4.5022	404.19	9.0887	382.45	16.594
425.29	4.5771	403.89	9.1590	382.15	16.758
425.10	4.6146	403.71	9.2667	381.66	16.805
424.77	4.6521	403.22	9.3511	381.55	16.973
424.47	4.7224	402.80	9.4354	381.25	17.114
424.17	4.7505	402.46	9.5338	380.99	17.240
423.75	4.8348	402.13	9.6181	380.58	17.358
423.64	4.8676	401.94	9.7024	380.28	17.540
423.30	4.9238	401.45	9.7914	379.94	17.695
422.89	4.9800	401.26	9.8523	379.71	17.896
422.25	5.0597	400.81	9.9648	379.15	17.971
421.95	5.0972	400.59	10.049	378.77	18.149
421.84	5.1487	400.06	10.143	378.36	18.355
421.39	5.2237	399.69	10.237	378.29	18.487
421.09	5.2799	399.27	10.321	377.72	18.660
420.68	5.3408	399.09	10.400	377.72	18.796
420.34	5.3970	398.79	10.527	377.16	18.950
419.85	5.4673	398.49	10.621	376.75	19.143
419.40	5.5422	398.19	10.733	376.41	19.274
419.28	5.5797	397.92	10.841	376.07	19.363
418.80	5.6640	397.51	10.949	375.73	19.545
418.76	5.7015	397.21	11.094	375.47	19.705
418.42	5.7905	396.76	11.164	375.13	19.859
418.05	5.8561	396.16	11.300	374.87	20.019
417.82	5.8983	396.20	11.361	374.61	20.136
417.26	5.9920	395.48	11.525	374.16	20.276
417.00	6.0623	395.26	11.633	373.74	20.459
416.88	6.1138	395.11	11.712	373.37	20.543
416.28	6.1888	394.73	11.867	372.92	20.717
415.94	6.2450	394.39	12.003	372.65	20.810
415.64	6.3340	393.94	12.162	372.39	20.937
415.49	6.3761	393.64	12.284	372.13	21.101
415.08	6.4324	393.42	12.359	371.79	21.274
414.67	6.4980	392.93	12.523	371.57	21.410
414.22	6.5917	392.63	12.640	371.15	21.504
413.92	6.6338	392.21	12.743	370.59	21.696
413.80	6.7088	391.92	12.907	370.33	21.799
413.20	6.7978	391.73	12.991	370.03	21.949
413.13	6.8774	391.13	13.127	369.65	22.141
412.68	6.9337	390.83	13.244	369.46	22.263
412.38	7.0273	390.68	13.385	369.05	22.417
412.00	7.0929	390.11	13.544	368.49	22.558
411.78	7.1398	390.00	13.614	368.30	22.722
411.25	7.2382	389.62	13.778	368.11	22.858
411.06	7.3038	389.25	13.900	367.74	23.050
410.80	7.4256	389.21	13.989	367.40	23.204
410.46	7.4724	388.69	14.144	367.10	23.345
410.05	7.5708	388.24	14.298	366.50	23.518

366.31	23.687	344.50	33.506	334.49	35.109
365.86	23.851	344.16	33.661	334.83	35.141
365.41	24.015	343.94	33.736	334.38	35.170
365.11	24.188	343.56	33.867	334.08	35.202
364.81	24.333	343.49	33.970	334.11	35.240
364.55	24.544	342.81	34.129	333.89	35.263
363.98	24.713	342.62	34.242	333.85	35.282
363.80	24.816	342.40	34.336	333.59	35.334
363.57	25.027	342.28	34.439	333.47	35.362
363.35	25.186	342.09	34.523	333.40	35.404
363.01	25.289	341.94	34.617	333.21	35.423
362.56	25.500	341.90	34.650	332.94	35.437
362.07	25.673	341.87	34.715	332.72	35.474
361.96	25.776	341.45	34.771	332.87	35.507
361.51	25.992	341.53	34.790	332.68	35.530
360.94	26.151	341.26	34.813	332.79	35.572
360.49	26.310	341.19	34.832	332.53	35.596
360.42	26.399	341.07	34.856	332.22	35.619
360.00	26.577	341.00	34.860	332.22	35.652
359.82	26.713	340.84	34.870	332.11	35.699
359.48	26.798	340.66	34.874	332.00	35.727
359.10	26.994	340.58	34.879	331.77	35.746
358.76	27.135	340.39	34.870	331.69	35.783
358.31	27.261	340.24	34.865	331.58	35.811
357.98	27.416	340.16	34.856	331.47	35.839
357.86	27.547	340.05	34.846	331.28	35.868
357.41	27.725	339.79	34.846	331.13	35.882
357.11	27.880	339.90	34.837	331.09	35.910
356.74	28.006	339.67	34.832	330.86	35.919
356.40	28.105	339.41	34.809	330.86	35.928
356.03	28.283	339.41	34.809	330.71	35.933
355.69	28.480	339.48	34.767	330.45	35.952
355.61	28.573	339.03	34.743	330.41	35.957
355.24	28.732	338.69	34.710	330.29	35.957
355.01	28.887	338.77	34.659	330.22	35.966
354.56	29.074	338.73	34.621	330.03	35.975
354.07	29.229	338.43	34.593	329.92	35.985
353.55	29.412	338.20	34.575	329.80	35.985
353.10	29.623	338.28	34.546	329.58	35.989
353.06	29.726	338.16	34.528	329.39	36.008
352.65	29.876	338.24	34.518	329.42	36.013
352.20	30.091	337.86	34.518	329.31	36.022
352.01	30.189	337.75	34.518	329.20	36.022
351.67	30.368	337.63	34.532	328.93	36.046
351.22	30.578	337.37	34.561	328.82	36.050
350.99	30.724	337.33	34.570	328.74	36.055
350.66	30.831	337.18	34.593	328.40	36.074
350.47	31.033	337.21	34.626	328.48	36.097
349.83	31.192	337.10	34.640	328.33	36.139
349.68	31.351	336.65	34.668	328.03	36.163
349.19	31.515	336.61	34.687	327.87	36.205
348.97	31.661	336.57	34.720	327.84	36.242
348.44	31.820	336.35	34.739	327.57	36.294
348.25	31.951	336.23	34.771	327.53	36.327
347.84	32.110	336.01	34.790	327.38	36.364
347.62	32.246	335.97	34.837	327.31	36.402
347.05	32.410	335.85	34.860	327.12	36.439
346.71	32.588	335.67	34.898	327.04	36.477
346.71	32.724	335.51	34.931	326.89	36.519
346.19	32.808	335.25	34.949	326.74	36.570
345.85	33.005	334.99	34.982	326.44	36.617
345.47	33.150	335.02	35.029	326.29	36.655
345.36	33.225	334.95	35.057	326.32	36.678
344.88	33.394	334.64	35.085	326.17	36.739

325.87	36.786	328.61	35.526	353.25	20.749
325.91	36.814	328.95	35.277	353.51	20.576
325.87	36.847	329.48	34.935	353.77	20.482
325.68	36.889	329.81	34.682	354.26	20.243
325.49	36.945	330.04	34.415	354.67	20.000
325.45	36.964	330.45	34.153	354.97	19.841
325.11	37.001	330.72	33.858	355.31	19.728
325.15	37.039	331.24	33.595	355.76	19.499
324.77	37.072	331.73	33.239	356.29	19.311
324.70	37.104	331.95	33.052	356.48	19.152
324.70	37.137	332.59	32.696	357.00	18.955
324.51	37.189	332.59	32.509	357.27	18.857
324.39	37.217	333.16	32.167	357.57	18.655
324.32	37.254	333.68	31.810	358.02	18.459
324.13	37.287	333.83	31.642	358.35	18.309
324.17	37.320	334.17	31.365	358.62	18.154
323.90	37.348	334.73	31.009	359.18	18.013
323.75	37.376	334.96	30.869	359.37	17.849
323.60	37.428	335.41	30.564	359.97	17.667
323.49	37.456	335.90	30.335	360.04	17.578
323.41	37.484	336.20	30.096	360.46	17.376
323.22	37.521	336.54	29.894	360.83	17.240
323.11	37.549	337.10	29.609	361.36	17.076
322.99	37.596	337.17	29.482	361.70	16.922
322.96	37.620	337.63	29.253	361.96	16.777
322.77	37.643	338.11	28.976	362.37	16.622
322.69	37.676	338.57	28.779	362.75	16.467
322.43	37.718	338.71	28.569	363.31	16.303
322.35	37.742	339.17	28.456	363.46	16.093
322.24	37.774	339.50	28.194	363.84	15.952
322.09	37.802	339.88	28.016	364.21	15.797
321.97	37.831	340.18	27.908	364.51	15.643
321.90	37.849	340.67	27.660	365.08	15.516
321.67	37.891	341.04	27.463	365.30	15.385
321.63	37.915	341.46	27.336	365.68	15.263
321.37	37.934	341.91	27.093	366.05	15.123
321.33	37.952	342.25	26.910	366.35	15.010
321.22	37.971	342.58	26.713	366.73	14.875
321.14	37.985	343.03	26.517	367.07	14.743
320.99	38.009	343.30	26.315	367.29	14.608
320.65	38.009	343.93	26.025	367.82	14.434
320.88	38.023	344.20	25.823	368.08	14.350
320.95	38.018	344.39	25.683	368.34	14.223
320.99	38.018	345.02	25.392	368.94	14.036
321.40	38.009	345.32	25.177	369.24	13.877
321.78	37.999	345.66	24.961	369.62	13.736
321.89	37.985	345.96	24.736	370.07	13.558
322.19	37.971	346.56	24.497	370.37	13.455
322.57	37.943	346.83	24.277	370.82	13.310
322.79	37.910	347.28	24.057	371.08	13.132
323.32	37.849	347.77	23.766	371.42	12.987
323.77	37.732	348.07	23.649	371.83	12.855
324.07	37.629	348.33	23.387	372.25	12.724
324.44	37.564	348.78	23.097	372.62	12.598
324.86	37.390	349.23	22.881	372.92	12.471
325.34	37.254	349.61	22.783	373.15	12.382
325.76	37.109	350.06	22.473	373.75	12.218
325.98	36.945	350.39	22.258	374.12	12.096
326.40	36.772	350.77	22.033	374.35	11.942
326.51	36.603	351.14	21.818	374.84	11.829
327.15	36.350	351.60	21.611	375.18	11.768
327.45	36.135	351.82	21.476	375.63	11.614
327.75	36.013	352.31	21.194	375.96	11.492
328.31	35.690	352.65	21.016	376.30	11.394

376.79	11.267	400.11	5.9264	423.32	2.5392
377.05	11.150	400.45	5.8889	423.84	2.4877
377.39	11.042	400.86	5.8140	424.37	2.4502
377.92	10.935	401.09	5.7437	424.48	2.4174
378.22	10.822	401.69	5.6594	425.01	2.3659
378.56	10.710	401.88	5.6219	425.38	2.3237
378.86	10.653	402.18	5.5610	425.68	2.2956
379.23	10.504	402.74	5.4907	426.09	2.2581
379.83	10.363	402.89	5.4532	426.40	2.2113
379.95	10.321	403.38	5.3736	427.00	2.1644
380.40	10.218	403.90	5.2893	427.07	2.1504
380.70	10.176	403.94	5.2565	427.52	2.1035
381.07	10.054	404.43	5.1768	428.05	2.0660
381.48	9.9742	404.73	5.1487	428.35	2.0473
381.78	9.8992	405.18	5.0831	428.72	1.9958
382.27	9.7868	405.44	5.0128	429.10	1.9536
382.50	9.7446	406.01	4.9473	429.29	1.9255
382.68	9.6415	406.31	4.8910	429.89	1.8833
383.10	9.5338	406.57	4.8348	430.19	1.8646
383.74	9.4307	406.98	4.7645	430.60	1.8318
383.92	9.3230	407.32	4.7130	430.94	1.7896
384.26	9.2667	407.77	4.6381	431.31	1.7615
384.71	9.1496	407.96	4.6099	431.80	1.7240
385.01	9.0512	408.26	4.5490	432.10	1.6912
385.43	8.9247	408.78	4.4741	432.48	1.6631
385.73	8.8310	409.08	4.4225	432.85	1.6210
386.14	8.7467	409.42	4.3570	433.30	1.5882
386.63	8.6577	409.84	4.3054	433.42	1.5648
386.89	8.5734	410.21	4.2492	434.13	1.5320
387.12	8.4984	410.55	4.1930	434.24	1.4945
387.53	8.4000	410.96	4.1508	434.62	1.4570
387.87	8.3625	411.41	4.0852	434.84	1.4336
388.32	8.2501	411.75	4.0103	435.41	1.4055
388.43	8.2126	412.09	3.9915	435.71	1.3680
388.92	8.1189	412.46	3.9119	436.05	1.3493
389.26	8.0487	412.58	3.8838	436.61	1.3024
389.74	7.9596	413.25	3.8182	436.83	1.2883
389.97	7.8987	413.67	3.7479	437.36	1.2462
390.34	7.8238	413.82	3.7151	437.70	1.2228
390.76	7.7582	414.23	3.6683	438.07	1.1993
391.06	7.6739	414.53	3.6261	438.45	1.1665
391.43	7.5895	414.98	3.5793	438.67	1.1478
391.96	7.4912	415.43	3.5371	439.05	1.1150
392.26	7.4537	415.77	3.4809	439.39	1.0728
392.71	7.3366	416.11	3.4293	439.80	1.0588
393.05	7.2616	416.56	3.3778	440.18	1.0307
393.27	7.2007	416.78	3.3450	440.51	0.99788
393.76	7.0976	417.16	3.2982	440.85	0.97914
394.06	7.0461	417.57	3.2420	441.23	0.96040
394.29	6.9805	417.83	3.1951	441.64	0.92761
394.93	6.8821	418.32	3.1342	442.02	0.90419
395.08	6.8353	418.55	3.0920	442.28	0.89013
395.45	6.7509	419.04	3.0499	442.58	0.86202
395.94	6.6760	419.49	3.0030	443.14	0.82923
396.32	6.6057	419.79	2.9655	443.52	0.81049
396.54	6.5682	420.20	2.9140	443.74	0.79175
396.96	6.4605	420.73	2.8578	444.16	0.76832
397.41	6.3996	420.91	2.8250	444.42	0.74490
397.74	6.3340	421.29	2.7875	444.72	0.73084
398.20	6.2684	421.74	2.7313	445.13	0.70274
398.65	6.1934	421.96	2.6938	445.55	0.67931
398.98	6.1466	422.34	2.6470	445.92	0.64652
399.17	6.0810	422.64	2.6282	446.30	0.63246
399.73	5.9873	423.17	2.5814	446.63	0.62309

447.05	0.59967	456.55	0.14992	466.05	-0.11244
447.35	0.57624	456.85	0.14523	466.46	-0.12181
447.76	0.55750	457.34	0.12649	466.84	-0.13586
448.21	0.53408	457.52	0.11712	467.29	-0.14523
448.44	0.51065	458.16	0.098383	467.59	-0.15460
448.74	0.49660	458.54	0.093698	468.15	-0.15929
449.23	0.46849	458.65	0.079643	468.38	-0.16866
449.75	0.45912	459.10	0.065589	468.71	-0.17334
449.90	0.44038	459.51	0.051534	468.86	-0.17334
450.31	0.42164	459.82	0.042164	469.43	-0.18271
450.65	0.40290	460.38	0.028109	469.62	-0.18271
451.14	0.37948	460.75	0.014055	470.07	0.19208
451.40	0.37011	461.05	0.014055		
451.82	0.35137	461.39	-0.0046850		
452.19	0.33263	461.84	-0.014055		
452.60	0.30920	462.03	-0.023424		
452.91	0.29983	462.52	-0.028109		
453.24	0.29046	462.89	-0.042164		
453.81	0.26235	463.19	-0.046849		
453.92	0.25767	463.49	-0.056219		
454.33	0.24830	463.91	-0.070273		
454.56	0.23425	464.36	-0.079643		
455.01	0.21082	464.66	-0.089013		
455.38	0.19208	465.15	-0.093698		
455.68	0.18271	465.30	-0.098383		
456.17	0.16397	465.71	-0.11244		

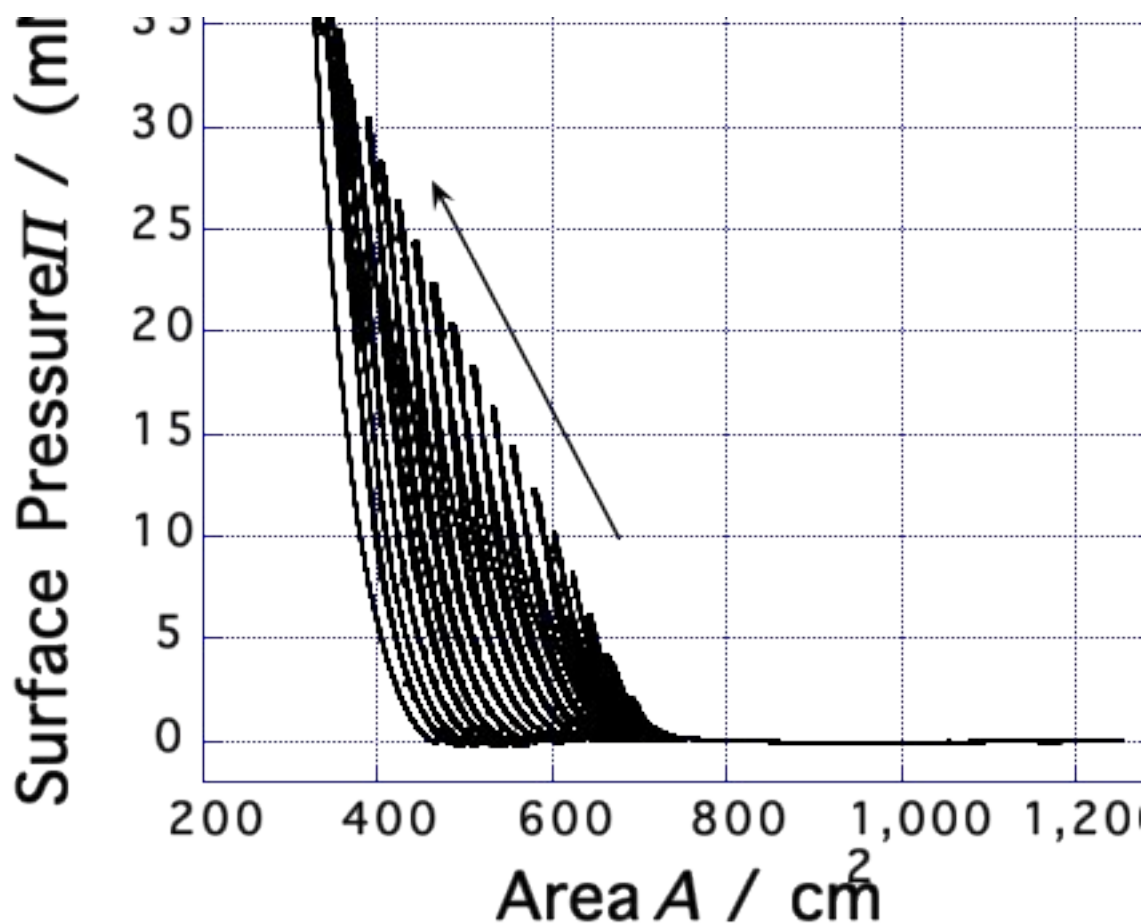


Figure 2A.

Data for Figure 2B

Area A / cm ²	Surface Pressure Π / (mN/m)	Molecular Area / Å ²	Area A / cm ²	Surface Pressure Π / (mN/m)	Molecular Area / Å ²
901.51	0.0000	107.65	894.89	0.0000	106.86
901.17	0.0046850	107.61	894.03	0.0000	106.76
900.83	0.0046850	107.57	894.10	-0.0046850	106.77
899.81	0.0000	107.45	893.76	-0.0046850	106.73
900.30	0.0000	107.51	893.46	0.0046850	106.69
899.81	0.0046850	107.45	892.94	0.0046850	106.63
897.97	0.0000	107.23	892.52	0.0000	106.58
898.31	0.0000	107.27	892.30	0.0046850	106.55
897.63	0.0046850	107.19	892.37	0.0046850	106.56
897.56	0.0046850	107.18	891.70	0.0046850	106.48
897.45	0.0046850	107.17	891.89	0.0046850	106.50
895.87	0.0093700	106.98	890.16	0.0046850	106.30
895.94	0.0000	106.99	889.33	-0.0046850	106.20
895.31	0.0000	106.91	888.73	0.0046850	106.13
895.34	0.0046850	106.92	888.28	-0.0046850	106.07

888.09	0.0000	106.05	863.78	0.0000	103.15
887.75	-0.0046850	106.01	863.44	0.0000	103.11
887.64	-0.0093700	106.00	862.80	-0.0093700	103.03
886.92	0.0046850	105.91	862.43	0.0000	102.99
886.40	0.0000	105.85	861.60	0.0000	102.89
886.51	0.0000	105.86	861.41	0.0000	102.87
885.95	-0.0093700	105.80	861.04	0.0000	102.82
885.84	0.0000	105.78	860.70	-0.0093700	102.78
885.65	-0.0046850	105.76	860.62	0.0046850	102.77
884.90	-0.0093700	105.67	860.28	-0.0046850	102.73
884.78	0.0000	105.66	859.83	0.0000	102.68
883.81	-0.0093700	105.54	859.23	0.0000	102.61
883.32	-0.014055	105.48	858.93	0.0000	102.57
883.24	-0.014055	105.47	858.63	-0.0046850	102.53
883.58	-0.0093700	105.51	858.33	-0.0046850	102.50
882.38	-0.0093700	105.37	858.22	-0.0093700	102.48
881.81	-0.014055	105.30	857.62	-0.014055	102.41
881.25	-0.014055	105.23	857.02	-0.0046850	102.34
880.69	0.0000	105.17	856.98	-0.014055	102.34
880.27	-0.0093700	105.12	857.02	-0.0093700	102.34
879.79	-0.014055	105.06	856.90	-0.018740	102.33
879.48	-0.0093700	105.02	856.08	-0.0046850	102.23
879.03	-0.0046850	104.97	855.93	0.0000	102.21
878.70	0.0000	104.93	855.55	-0.014055	102.17
878.32	-0.0046850	104.88	854.99	-0.014055	102.10
878.51	-0.014055	104.91	854.61	-0.0093700	102.05
877.87	-0.0046850	104.83	854.12	-0.014055	102.00
877.72	-0.014055	104.81	853.52	-0.014055	101.92
877.23	-0.0093700	104.75	853.56	-0.0093700	101.93
876.78	-0.0093700	104.70	852.92	-0.014055	101.85
876.29	-0.0093700	104.64	852.58	-0.014055	101.81
875.46	-0.014055	104.54	852.58	-0.014055	101.81
875.35	-0.0093700	104.53	852.06	-0.014055	101.75
874.98	-0.014055	104.49	852.06	-0.014055	101.75
874.86	-0.014055	104.47	851.83	-0.018740	101.72
874.71	-0.0046850	104.45	851.49	-0.023424	101.68
873.66	-0.0046850	104.33	851.16	-0.018740	101.64
873.25	-0.0093700	104.28	850.56	-0.014055	101.57
873.55	-0.0093700	104.31	850.07	-0.014055	101.51
873.13	-0.0046850	104.27	849.92	-0.014055	101.49
872.91	-0.0093700	104.24	849.05	-0.0093700	101.39
872.20	0.0000	104.15	848.64	-0.014055	101.34
871.74	-0.0093700	104.10	848.53	-0.0093700	101.33
871.56	-0.0046850	104.08	848.23	-0.014055	101.29
871.71	0.0000	104.10	847.29	-0.0093700	101.18
870.81	-0.0093700	103.99	847.48	-0.0093700	101.20
869.80	-0.0093700	103.87	846.87	-0.018740	101.13
870.05	-0.0093700	103.90	846.35	-0.014055	101.07
869.98	-0.0046850	103.89	846.08	-0.014055	101.04
869.72	-0.0046850	103.86	846.01	-0.018740	101.03
869.38	0.0000	103.82	845.60	-0.014055	100.98
868.89	0.0000	103.76	845.48	-0.014055	100.96
868.81	0.0000	103.75	844.96	-0.014055	100.90
867.50	-0.014055	103.59	844.47	-0.014055	100.84
867.72	0.0000	103.62	844.28	-0.014055	100.82
867.46	-0.0046850	103.59	843.91	-0.014055	100.78
867.09	0.0000	103.54	843.76	-0.014055	100.76
866.86	0.0000	103.52	843.31	-0.0093700	100.70
866.33	-0.0046850	103.45	843.23	-0.0093700	100.69
865.85	0.0000	103.40	842.74	0.0000	100.64
865.62	-0.0046850	103.37	842.55	-0.014055	100.61
864.91	-0.0093700	103.28	841.69	-0.0093700	100.51
864.53	0.0000	103.24	841.39	-0.014055	100.47
864.16	0.0000	103.19	841.16	-0.0093700	100.45

841.01	-0.014055	100.43	817.39	-0.014055	97.608
840.45	-0.018740	100.36	816.75	0.0000	97.532
839.92	-0.0093700	100.30	816.64	-0.0093700	97.519
840.08	-0.014055	100.32	815.96	0.0000	97.438
839.17	-0.0093700	100.21	815.32	-0.0046850	97.362
838.84	-0.014055	100.17	815.40	-0.014055	97.371
838.76	-0.014055	100.16	814.76	-0.0093700	97.295
838.05	-0.014055	100.08	814.50	-0.0093700	97.263
837.82	0.0000	100.05	814.01	0.0000	97.205
837.41	-0.0046850	99.999	814.01	-0.0093700	97.205
837.03	-0.0093700	99.954	813.97	0.0046850	97.200
836.66	0.0000	99.910	812.84	0.0046850	97.066
836.58	-0.0046850	99.901	812.13	0.0000	96.981
835.98	-0.0093700	99.829	810.11	-0.0046850	96.739
835.27	-0.0046850	99.744	809.74	0.0000	96.695
835.38	-0.0093700	99.757	808.09	0.0046850	96.498
834.89	-0.0046850	99.699	813.03	-0.0046850	97.088
834.52	-0.0093700	99.654	812.09	0.0000	96.976
833.84	-0.0046850	99.573	808.72	-0.0093700	96.573
833.69	-0.014055	99.555	803.79	-0.0093700	95.984
833.54	-0.014055	99.537	809.27	-0.0046850	96.640
832.90	-0.0093700	99.461	807.33	0.0000	96.408
832.30	-0.014055	99.389	803.07	0.0000	95.899
832.34	-0.0093700	99.394	807.96	-0.0093700	96.483
832.04	-0.014055	99.358	808.45	0.0000	96.542
831.40	-0.0093700	99.282	803.96	-0.0093700	96.005
830.99	-0.0093700	99.232	805.34	-0.0046850	96.170
830.84	-0.014055	99.214	805.94	-0.0093700	96.241
830.35	-0.014055	99.156	801.42	-0.0046850	95.701
830.35	-0.018740	99.156	803.77	-0.0046850	95.982
829.86	-0.018740	99.098	807.44	-0.0093700	96.420
829.22	-0.018740	99.021	804.66	0.0000	96.089
828.58	-0.014055	98.945	806.65	-0.0093700	96.326
828.81	-0.018740	98.972	803.87	-0.0046850	95.995
828.43	-0.014055	98.927	802.19	-0.0093700	95.793
827.76	-0.014055	98.846	795.65	-0.0093700	95.013
827.53	-0.014055	98.820	799.34	0.0000	95.454
826.97	-0.014055	98.752	798.22	-0.0093700	95.320
826.67	-0.014055	98.716	794.63	-0.0093700	94.891
826.44	-0.014055	98.690	795.19	-0.0093700	94.958
825.84	-0.0093700	98.618	799.56	0.0000	95.480
825.58	-0.014055	98.586	789.51	-0.0093700	94.280
824.90	-0.014055	98.506	794.89	-0.0046850	94.922
824.71	-0.018740	98.483	801.01	-0.0046850	95.653
824.07	-0.014055	98.407	800.52	-0.014055	95.595
823.96	-0.018740	98.394	801.54	0.0000	95.716
823.74	-0.0093700	98.367	793.91	-0.0093700	94.805
823.32	-0.014055	98.317	783.49	-0.014055	93.560
823.02	-0.0093700	98.281	795.14	-0.0093700	94.952
822.80	-0.014055	98.254	794.99	-0.014055	94.934
822.35	-0.018740	98.201	798.46	0.0000	95.348
821.71	-0.014055	98.124	800.22	-0.014055	95.559
821.90	-0.014055	98.147	800.22	-0.0093700	95.559
821.18	-0.0093700	98.062	799.66	-0.014055	95.492
820.88	-0.014055	98.026	796.77	0.0000	95.146
820.77	-0.0046850	98.012	794.94	-0.0046850	94.927
819.79	-0.014055	97.896	792.47	0.0046850	94.633
819.72	-0.014055	97.887	797.90	-0.0046850	95.281
819.87	-0.014055	97.905	794.07	-0.014055	94.824
819.08	-0.014055	97.810	797.63	-0.0093700	95.249
819.15	-0.0093700	97.819	793.06	-0.0046850	94.703
818.55	-0.014055	97.748	790.97	0.0000	94.453
817.80	-0.0093700	97.658	787.79	-0.0093700	94.074
818.03	-0.0093700	97.685	790.59	0.0046850	94.408

776.84	0.0000	92.766	769.61	-0.0046850	91.903
771.38	0.0046850	92.115	769.42	0.0000	91.881
791.29	-0.0046850	94.492	769.08	-0.0093700	91.840
793.99	0.0000	94.814	769.31	-0.0046850	91.867
788.49	0.0046850	94.157	768.22	0.0000	91.737
776.46	-0.0093700	92.721	766.88	0.0000	91.577
762.45	0.0046850	91.048	770.48	0.0046850	92.007
790.95	0.0093700	94.451	769.76	0.0046850	91.921
789.90	0.0093700	94.326	769.54	0.0000	91.895
790.23	0.0046850	94.366	769.65	0.0000	91.908
785.30	0.0000	93.777	769.05	0.0046850	91.836
787.91	0.0000	94.089	766.01	0.014055	91.473
790.27	0.0093700	94.370	765.71	0.0046850	91.437
791.17	-0.0093700	94.478	764.51	0.0000	91.294
790.61	0.0046850	94.411	764.96	0.0093700	91.347
790.16	-0.0046850	94.357	764.35	0.014055	91.275
789.97	-0.0046850	94.335	764.17	0.0093700	91.253
789.93	-0.0046850	94.330	763.72	0.0093700	91.199
789.56	-0.0046850	94.285	763.45	0.0046850	91.168
786.33	-0.0046850	93.899	763.00	0.0093700	91.114
785.80	0.0046850	93.836	762.55	0.0046850	91.060
788.32	-0.0046850	94.137	762.25	0.014055	91.024
788.21	0.0046850	94.124	761.99	0.0000	90.993
784.90	0.0046850	93.729	761.42	0.0046850	90.926
786.07	-0.0093700	93.868	761.27	0.0046850	90.908
787.12	-0.0093700	93.994	760.64	0.0093700	90.831
786.59	0.0000	93.931	760.15	0.014055	90.773
783.51	0.0000	93.563	760.19	0.0000	90.778
783.02	0.0000	93.505	759.81	0.0000	90.733
783.40	0.0000	93.550	759.40	0.0046850	90.684
785.28	-0.0046850	93.774	758.87	0.014055	90.621
785.20	-0.0046850	93.765	758.65	0.0000	90.594
781.74	0.0046850	93.352	758.16	0.0046850	90.535
781.41	-0.0046850	93.312	757.78	0.0046850	90.490
782.53	-0.014055	93.447	757.56	0.0093700	90.464
782.12	-0.0046850	93.397	756.99	0.0093700	90.396
780.20	-0.0046850	93.168	756.69	0.0046850	90.361
782.65	0.0000	93.460	756.17	0.0046850	90.298
779.64	0.0046850	93.101	755.83	0.0093700	90.257
782.09	0.0046850	93.393	755.49	0.0046850	90.217
778.74	-0.0093700	92.993	755.34	0.0093700	90.199
781.11	-0.0046850	93.276	754.70	0.0046850	90.123
780.77	-0.0093700	93.236	754.40	0.0046850	90.087
777.80	-0.014055	92.881	754.25	0.0093700	90.069
777.20	-0.0093700	92.809	753.72	0.0046850	90.006
776.67	-0.0046850	92.747	753.50	0.0093700	89.979
776.34	0.0000	92.706	752.94	0.014055	89.912
776.15	-0.0093700	92.684	752.49	0.0093700	89.858
775.77	-0.014055	92.639	752.11	0.014055	89.813
775.21	0.0000	92.572	751.85	0.0093700	89.782
774.91	-0.0046850	92.536	751.62	0.0046850	89.755
774.46	-0.0046850	92.482	751.25	0.0046850	89.710
774.23	0.0000	92.455	750.91	0.0046850	89.670
773.97	-0.0046850	92.424	750.42	0.0046850	89.611
773.48	-0.0093700	92.365	750.16	0.0046850	89.580
772.99	0.0000	92.307	749.86	0.0093700	89.544
772.62	-0.0093700	92.262	749.18	0.0093700	89.463
772.17	-0.0093700	92.208	749.11	0.0000	89.455
771.90	-0.0093700	92.177	748.73	0.0000	89.410
771.53	-0.0046850	92.132	748.43	0.0046850	89.374
770.89	0.0000	92.056	747.98	0.014055	89.320
770.89	-0.014055	92.056	747.75	0.0046850	89.293
770.48	-0.0093700	92.006	747.34	0.0046850	89.244
770.17	-0.0093700	91.971	747.00	0.0046850	89.203

746.89	0.0046850	89.190	723.53	0.023424	86.400
746.10	0.0046850	89.096	723.27	0.018740	86.369
745.88	0.0046850	89.069	722.85	0.028109	86.319
745.54	0.0093700	89.028	722.55	0.028109	86.284
745.24	0.0046850	88.993	724.36	0.023424	86.499
744.86	0.0093700	88.948	721.84	0.032794	86.198
744.64	0.0046850	88.921	721.42	0.028109	86.149
744.18	0.0046850	88.867	721.31	0.014055	86.136
743.66	0.0046850	88.804	720.82	0.023424	86.077
743.55	0.0046850	88.791	720.34	0.032794	86.019
744.45	0.014055	88.899	720.00	0.023424	85.979
744.07	0.0046850	88.854	719.85	0.023424	85.961
744.94	0.0000	88.957	719.40	0.023424	85.907
742.27	0.0000	88.638	719.06	0.023424	85.866
741.78	0.0046850	88.580	718.50	0.023424	85.799
742.65	0.0046850	88.683	718.01	0.028109	85.741
740.95	0.0046850	88.481	717.93	0.018740	85.732
740.58	0.0046850	88.436	717.63	0.028109	85.696
740.20	0.014055	88.391	717.03	0.028109	85.624
739.90	0.0093700	88.356	716.73	0.023424	85.588
739.42	0.014055	88.297	716.39	0.023424	85.548
739.23	0.0046850	88.275	715.98	0.032794	85.499
738.78	0.0046850	88.221	715.64	0.023424	85.458
738.36	0.0093700	88.172	718.24	0.028109	85.768
738.02	0.014055	88.131	714.93	0.023424	85.373
737.57	0.0046850	88.077	716.43	0.032794	85.553
737.24	0.0093700	88.037	714.37	0.023424	85.306
737.05	0.0046850	88.015	714.03	0.023424	85.266
736.56	0.0046850	87.956	713.58	0.028109	85.212
736.15	0.0093700	87.907	713.20	0.032794	85.167
735.85	0.018740	87.871	715.57	0.018740	85.450
735.36	0.0093700	87.813	714.71	0.023424	85.347
735.17	0.0093700	87.790	714.59	0.028109	85.333
734.76	0.0046850	87.741	714.18	0.028109	85.284
734.31	0.0046850	87.687	713.80	0.028109	85.239
734.08	0.018740	87.660	713.50	0.028109	85.203
733.74	0.023424	87.620	713.20	0.028109	85.167
733.29	0.018740	87.566	713.28	0.023424	85.176
732.17	0.0093700	87.433	712.83	0.028109	85.123
731.50	0.014055	87.352	711.93	0.032794	85.015
731.98	0.023424	87.409	711.85	0.028109	85.006
731.75	0.023424	87.382	711.66	0.023424	84.983
731.57	0.0093700	87.360	710.05	0.028109	84.790
731.00	0.018740	87.293	710.73	0.032794	84.871
730.74	0.018740	87.261	709.15	0.028109	84.683
730.51	0.0093700	87.234	707.53	0.028109	84.490
730.14	0.0093700	87.190	707.23	0.032794	84.454
729.65	0.0093700	87.131	706.74	0.032794	84.396
729.24	0.018740	87.082	706.48	0.032794	84.364
728.86	0.014055	87.037	705.91	0.032794	84.297
728.52	0.023424	86.997	705.84	0.028109	84.288
728.26	0.014055	86.965	705.62	0.028109	84.261
727.77	0.018740	86.907	705.05	0.032794	84.194
727.51	0.028109	86.876	704.79	0.028109	84.162
727.10	0.028109	86.826	704.30	0.032794	84.104
726.76	0.023424	86.786	704.23	0.028109	84.095
726.57	0.018740	86.763	703.81	0.028109	84.046
726.23	0.018740	86.723	703.44	0.028109	84.001
725.74	0.018740	86.665	704.45	0.028109	84.122
725.48	0.023424	86.633	702.76	0.032794	83.920
725.07	0.018740	86.584	702.54	0.018740	83.893
724.58	0.014055	86.526	701.90	0.032794	83.817
724.20	0.014055	86.481	701.41	0.028109	83.759
723.90	0.028109	86.445	701.26	0.023424	83.741

700.81	0.028109	83.687	680.46	0.046849	81.257
700.66	0.028109	83.669	678.73	0.037479	81.050
699.87	0.032794	83.575	679.71	0.046849	81.167
699.57	0.032794	83.539	677.22	0.046849	80.871
699.64	0.032794	83.548	679.11	0.046849	81.096
699.08	0.028109	83.481	678.84	0.051534	81.064
698.67	0.028109	83.432	677.45	0.042164	80.898
698.44	0.028109	83.405	677.98	0.042164	80.961
697.99	0.037479	83.351	677.15	0.046849	80.862
697.65	0.032794	83.311	677.45	0.046849	80.898
697.32	0.037479	83.270	675.99	0.046849	80.723
696.75	0.032794	83.203	675.61	0.042164	80.678
696.49	0.032794	83.172	675.01	0.046849	80.607
696.19	0.028109	83.136	675.46	0.046849	80.660
695.89	0.032794	83.100	675.61	0.042164	80.679
695.44	0.032794	83.046	675.16	0.042164	80.625
695.33	0.032794	83.032	674.71	0.046849	80.571
694.76	0.032794	82.965	673.28	0.046849	80.400
696.61	0.037479	83.185	674.07	0.046849	80.495
694.24	0.028109	82.902	673.89	0.046849	80.472
693.67	0.032794	82.835	673.10	0.046849	80.378
693.11	0.037479	82.768	673.44	0.051534	80.418
692.85	0.037479	82.737	673.06	0.046849	80.374
692.47	0.032794	82.692	672.08	0.046849	80.257
692.28	0.037479	82.669	672.05	0.051534	80.252
691.83	0.037479	82.615	671.82	0.051534	80.226
692.85	0.037479	82.737	668.52	0.046849	79.832
693.53	0.028109	82.818	671.14	0.056219	80.145
692.29	0.037479	82.669	670.73	0.046849	80.096
691.57	0.032794	82.584	669.23	0.051534	79.916
691.42	0.042164	82.566	669.87	0.051534	79.992
691.27	0.037479	82.548	668.97	0.051534	79.885
691.76	0.037479	82.607	668.93	0.056219	79.880
691.27	0.037479	82.548	668.25	0.056219	79.799
691.05	0.037479	82.522	668.40	0.046849	79.818
690.71	0.037479	82.481	667.46	0.051534	79.705
690.52	0.042164	82.459	667.69	0.051534	79.732
688.49	0.037479	82.216	667.69	0.046849	79.732
688.91	0.032794	82.266	667.20	0.051534	79.674
688.38	0.032794	82.203	666.79	0.051534	79.625
689.47	0.037479	82.333	665.55	0.056219	79.476
686.54	0.042164	81.983	666.23	0.046849	79.557
686.31	0.037479	81.956	665.92	0.056219	79.521
686.01	0.037479	81.920	664.50	0.051534	79.351
685.75	0.037479	81.889	664.35	0.056219	79.333
686.43	0.037479	81.970	662.58	0.056219	79.122
687.44	0.028109	82.091	664.54	0.060904	79.356
686.69	0.042164	82.001	659.26	0.051534	78.725
686.32	0.037479	81.957	662.88	0.046849	79.158
686.17	0.042164	81.939	663.41	0.056219	79.221
685.57	0.037479	81.867	663.00	0.056219	79.172
685.42	0.037479	81.849	662.36	0.056219	79.095
683.95	0.037479	81.674	662.51	0.051534	79.113
682.82	0.032794	81.539	661.91	0.046849	79.042
684.21	0.046849	81.705	661.42	0.065589	78.983
683.57	0.042164	81.629	661.46	0.051534	78.988
681.92	0.037479	81.432	661.08	0.060904	78.943
682.67	0.042164	81.521	660.74	0.051534	78.903
682.94	0.042164	81.553	659.99	0.056219	78.813
682.33	0.042164	81.481	660.10	0.056219	78.826
682.22	0.037479	81.468	659.92	0.056219	78.804
681.85	0.046849	81.423	659.09	0.056219	78.705
680.27	0.042164	81.234	658.30	0.051534	78.611
679.74	0.042164	81.172	658.04	0.060904	78.580

658.08	0.051534	78.584	636.76	0.079643	76.039
657.59	0.056219	78.526	636.80	0.079643	76.044
657.21	0.056219	78.481	636.20	0.074958	75.972
657.06	0.051534	78.463	636.24	0.079643	75.976
656.76	0.056219	78.427	635.90	0.074958	75.936
656.50	0.051534	78.396	635.56	0.074958	75.896
655.86	0.051534	78.320	635.04	0.084328	75.833
655.49	0.065589	78.275	635.11	0.074958	75.842
655.22	0.060904	78.243	634.51	0.084328	75.770
655.22	0.056219	78.244	633.91	0.084328	75.698
654.62	0.060904	78.172	632.82	0.084328	75.568
654.06	0.065589	78.104	632.44	0.079643	75.523
653.98	0.065589	78.096	631.92	0.084328	75.461
653.35	0.065589	78.019	631.99	0.074958	75.470
653.27	0.056219	78.010	632.45	0.084328	75.524
653.05	0.060904	77.984	632.18	0.079643	75.492
652.44	0.065589	77.912	631.73	0.074958	75.439
652.14	0.056219	77.876	631.66	0.084328	75.430
651.62	0.065589	77.813	631.25	0.079643	75.380
651.58	0.060904	77.809	630.80	0.084328	75.327
651.36	0.065589	77.782	630.80	0.079643	75.327
650.79	0.065589	77.715	629.89	0.079643	75.219
650.83	0.070273	77.719	629.59	0.084328	75.183
650.46	0.065589	77.674	629.48	0.084328	75.170
650.16	0.065589	77.638	629.07	0.084328	75.120
649.29	0.065589	77.535	628.36	0.079643	75.035
649.18	0.074958	77.522	628.32	0.084328	75.031
648.84	0.070273	77.482	628.02	0.084328	74.995
648.58	0.060904	77.450	627.79	0.089013	74.968
648.32	0.070273	77.419	627.15	0.084328	74.892
647.60	0.065589	77.334	627.12	0.084328	74.887
647.64	0.065589	77.338	626.67	0.084328	74.833
647.34	0.070273	77.302	625.92	0.079643	74.744
646.97	0.070273	77.257	625.50	0.089013	74.694
646.82	0.074958	77.240	625.20	0.089013	74.659
646.14	0.065589	77.159	624.75	0.093698	74.605
645.95	0.065589	77.136	624.60	0.089013	74.587
645.46	0.065589	77.078	623.96	0.093698	74.511
644.38	0.065589	76.949	623.96	0.089013	74.511
644.86	0.070273	77.007	623.55	0.093698	74.461
644.79	0.070273	76.998	623.21	0.089013	74.421
644.53	0.070273	76.966	622.84	0.093698	74.376
644.08	0.074958	76.913	622.84	0.093698	74.376
643.85	0.070273	76.886	622.24	0.089013	74.305
643.40	0.065589	76.832	622.35	0.089013	74.318
642.84	0.074958	76.765	621.30	0.084328	74.192
642.54	0.074958	76.729	621.11	0.093698	74.170
642.50	0.065589	76.724	620.66	0.098383	74.116
642.39	0.074958	76.711	620.06	0.093698	74.044
642.43	0.065589	76.716	620.21	0.098383	74.062
641.90	0.070273	76.653	619.72	0.10775	74.004
641.49	0.070273	76.604	618.86	0.093698	73.901
641.04	0.070273	76.550	618.93	0.11244	73.910
640.55	0.070273	76.491	618.63	0.098383	73.874
640.03	0.070273	76.429	616.16	0.10775	73.579
639.91	0.074958	76.415	618.48	0.10307	73.856
639.76	0.065589	76.397	618.07	0.10307	73.807
639.12	0.070273	76.321	617.47	0.10775	73.735
638.71	0.070273	76.272	616.12	0.10775	73.574
638.60	0.074958	76.258	616.79	0.10775	73.655
638.30	0.074958	76.223	616.64	0.10307	73.637
637.85	0.074958	76.169	611.82	0.11244	73.061
637.63	0.074958	76.142	613.09	0.10775	73.213
637.06	0.079643	76.075	615.18	0.10775	73.462

614.88	0.10775	73.426	593.93	0.12649	70.924
611.44	0.11244	73.015	591.90	0.11712	70.682
611.67	0.11244	73.042	591.68	0.12649	70.655
613.34	0.11244	73.243	591.64	0.13118	70.651
613.23	0.11712	73.229	592.62	0.13586	70.767
607.74	0.10775	72.573	592.24	0.12649	70.722
610.46	0.10307	72.898	591.94	0.12649	70.687
610.20	0.10307	72.867	591.34	0.12649	70.615
610.91	0.10307	72.952	590.14	0.12649	70.471
604.89	0.10775	72.233	589.57	0.12649	70.404
611.76	0.10307	73.054	591.00	0.12649	70.575
611.05	0.11244	72.969	589.91	0.12649	70.444
606.91	0.098383	72.474	590.48	0.12649	70.512
603.73	0.11244	72.094	589.69	0.13118	70.418
608.83	0.10775	72.704	589.42	0.12649	70.386
608.76	0.11244	72.695	589.28	0.12181	70.368
608.35	0.10775	72.646	588.90	0.12649	70.324
607.89	0.11244	72.592	588.90	0.12649	70.324
606.34	0.11244	72.406	588.41	0.12181	70.265
607.52	0.10775	72.547	587.96	0.12181	70.211
602.48	0.10775	71.946	587.66	0.12649	70.176
607.37	0.11244	72.529	587.32	0.13118	70.135
605.09	0.11244	72.257	586.87	0.12649	70.081
606.59	0.12181	72.436	586.80	0.13118	70.072
603.56	0.11712	72.074	586.35	0.12181	70.019
606.21	0.11712	72.391	585.03	0.12181	69.862
605.65	0.11712	72.324	585.56	0.13118	69.924
605.27	0.11244	72.279	584.73	0.12649	69.826
605.76	0.12649	72.337	584.47	0.13118	69.794
605.34	0.11712	72.287	583.38	0.12649	69.664
605.23	0.12181	72.274	583.79	0.14055	69.714
604.86	0.12181	72.229	583.57	0.13118	69.687
598.06	0.12181	71.417	583.98	0.12649	69.736
602.50	0.12181	71.947	583.34	0.12649	69.660
602.09	0.12181	71.898	582.48	0.13118	69.557
603.17	0.12649	72.027	581.05	0.12649	69.386
602.98	0.12181	72.005	582.40	0.13118	69.548
603.09	0.12181	72.018	582.07	0.13118	69.507
595.02	0.12181	71.054	580.26	0.13118	69.292
599.31	0.11712	71.567	581.54	0.12649	69.445
602.42	0.12181	71.938	579.47	0.13118	69.198
597.93	0.12181	71.402	578.68	0.13118	69.103
601.21	0.13118	71.794	578.23	0.13586	69.050
601.14	0.12181	71.785	578.68	0.13118	69.104
600.61	0.12649	71.723	577.90	0.13586	69.010
600.13	0.13118	71.664	577.22	0.14055	68.929
599.94	0.12181	71.642	576.65	0.13118	68.861
596.05	0.13586	71.177	576.43	0.13586	68.834
597.77	0.13118	71.382	576.24	0.13586	68.812
597.58	0.13118	71.360	575.68	0.14055	68.745
596.08	0.13586	71.181	575.57	0.13118	68.731
596.19	0.12649	71.194	575.19	0.13586	68.687
597.65	0.13118	71.368	574.63	0.14055	68.619
597.57	0.12649	71.359	574.59	0.13586	68.615
595.44	0.12649	71.105	573.99	0.14055	68.543
596.75	0.13118	71.261	574.44	0.14055	68.597
596.56	0.12181	71.238	573.43	0.13586	68.476
596.11	0.12649	71.184	573.13	0.13118	68.440
595.77	0.12181	71.144	572.75	0.14055	68.395
595.32	0.13118	71.090	572.41	0.13586	68.355
595.28	0.12649	71.086	571.96	0.14055	68.301
594.68	0.12649	71.014	571.70	0.13118	68.269
594.53	0.12649	70.996	571.47	0.14523	68.243
594.04	0.12649	70.938	571.10	0.14523	68.198

570.68	0.13586	68.148	549.01	0.18271	65.561
570.42	0.13586	68.117	548.75	0.17334	65.529
570.05	0.14055	68.072	548.26	0.18271	65.471
569.71	0.14055	68.032	547.85	0.18271	65.422
569.33	0.14055	67.987	547.47	0.18740	65.377
568.88	0.14523	67.933	547.21	0.18271	65.345
568.43	0.14523	67.879	546.87	0.17334	65.305
568.17	0.14992	67.848	546.57	0.18271	65.269
568.02	0.14055	67.830	546.39	0.17803	65.247
567.53	0.14523	67.772	546.05	0.17803	65.206
567.27	0.14523	67.740	545.75	0.17334	65.171
566.89	0.14992	67.695	545.22	0.18271	65.108
566.55	0.14992	67.655	545.03	0.18271	65.085
566.44	0.14055	67.642	544.69	0.17334	65.045
565.69	0.14523	67.552	544.13	0.18271	64.978
565.35	0.15460	67.512	543.87	0.18271	64.946
565.39	0.14523	67.516	543.91	0.18740	64.951
564.90	0.14992	67.458	543.23	0.18740	64.870
564.60	0.14523	67.422	542.86	0.18271	64.825
563.96	0.14523	67.346	542.71	0.18740	64.807
563.77	0.14992	67.323	542.37	0.19208	64.767
563.36	0.15929	67.274	542.03	0.19677	64.727
563.14	0.14992	67.247	541.54	0.19208	64.668
562.76	0.15929	67.202	541.39	0.19677	64.650
562.39	0.15460	67.157	540.79	0.19208	64.579
562.01	0.14992	67.112	541.73	0.19677	64.691
561.52	0.15460	67.054	540.04	0.19677	64.489
561.41	0.14992	67.041	539.81	0.19208	64.462
560.84	0.15929	66.973	539.40	0.18740	64.413
560.73	0.14523	66.960	539.18	0.19677	64.386
560.36	0.16397	66.915	538.88	0.18740	64.350
560.13	0.15460	66.888	538.65	0.19208	64.323
559.68	0.15460	66.834	538.05	0.19208	64.251
559.12	0.15929	66.767	537.64	0.19677	64.202
558.97	0.15929	66.749	537.34	0.19208	64.166
558.89	0.15929	66.740	537.00	0.19677	64.126
558.33	0.15460	66.673	536.51	0.19677	64.067
558.07	0.15929	66.642	536.10	0.19677	64.018
557.65	0.15929	66.592	535.65	0.19208	63.964
557.09	0.16397	66.525	535.50	0.19677	63.946
557.01	0.15929	66.516	534.93	0.19677	63.879
556.68	0.15460	66.476	534.86	0.19677	63.870
556.34	0.15929	66.435	534.37	0.20145	63.812
556.00	0.16397	66.395	534.26	0.20614	63.798
555.93	0.15929	66.386	533.81	0.21082	63.745
555.40	0.15929	66.323	533.39	0.21082	63.695
555.10	0.15460	66.287	533.05	0.20614	63.655
554.50	0.16866	66.215	532.83	0.21082	63.628
554.23	0.16866	66.184	532.45	0.21082	63.583
554.05	0.16397	66.162	532.19	0.20614	63.552
553.78	0.16866	66.130	531.55	0.21082	63.476
553.26	0.16397	66.067	531.21	0.21082	63.435
552.96	0.16866	66.032	531.03	0.22488	63.413
552.43	0.16397	65.969	530.54	0.21082	63.354
552.36	0.17334	65.960	530.28	0.21082	63.323
551.72	0.17803	65.883	529.90	0.22488	63.278
551.49	0.17334	65.857	529.41	0.21082	63.220
551.19	0.17803	65.821	529.11	0.21551	63.184
551.00	0.16866	65.798	528.85	0.22019	63.153
550.55	0.17803	65.744	528.55	0.22019	63.117
550.10	0.17334	65.691	528.21	0.21551	63.076
550.07	0.17334	65.686	527.80	0.22488	63.027
549.73	0.17803	65.646	527.38	0.23425	62.978
549.31	0.16866	65.596	527.01	0.23425	62.933

526.74	0.23893	62.901	504.06	0.33263	60.193
526.37	0.23893	62.857	503.73	0.33731	60.153
526.03	0.24362	62.816	503.42	0.32794	60.117
525.77	0.24362	62.785	503.20	0.33731	60.090
525.28	0.24362	62.727	502.79	0.33731	60.040
524.83	0.23893	62.673	502.53	0.33731	60.009
524.57	0.23893	62.641	502.00	0.33731	59.946
524.31	0.24830	62.610	501.59	0.34200	59.897
523.85	0.24830	62.556	501.47	0.33731	59.884
523.52	0.24362	62.516	500.95	0.34668	59.821
523.03	0.24362	62.457	500.68	0.34668	59.789
522.88	0.24830	62.440	500.23	0.34668	59.735
522.54	0.25767	62.399	499.74	0.34668	59.677
521.83	0.26235	62.314	499.60	0.35137	59.659
521.68	0.24830	62.296	499.18	0.34668	59.610
521.30	0.24830	62.251	498.69	0.35605	59.552
521.08	0.25767	62.224	498.43	0.35605	59.520
520.47	0.25767	62.152	498.09	0.36542	59.480
520.25	0.25767	62.126	497.76	0.36074	59.440
520.02	0.25767	62.099	497.53	0.37479	59.413
519.57	0.25299	62.045	497.15	0.36542	59.368
519.16	0.25767	61.995	496.67	0.37011	59.310
518.78	0.25767	61.951	496.40	0.37011	59.278
518.37	0.25299	61.901	495.99	0.37479	59.229
517.99	0.25767	61.856	495.50	0.37479	59.170
517.51	0.26235	61.798	495.24	0.37948	59.139
517.32	0.26235	61.776	494.94	0.37479	59.103
517.13	0.26235	61.753	494.34	0.37948	59.031
516.68	0.25299	61.700	494.19	0.37011	59.013
516.15	0.25767	61.637	493.74	0.37479	58.960
516.00	0.25767	61.619	493.40	0.38416	58.919
515.59	0.26235	61.570	493.06	0.38416	58.879
515.37	0.26235	61.543	492.84	0.38416	58.852
514.95	0.26235	61.493	492.35	0.39353	58.794
514.62	0.26704	61.453	492.01	0.39822	58.753
514.28	0.26235	61.413	491.67	0.39822	58.713
513.83	0.26704	61.359	491.30	0.40290	58.668
513.45	0.26704	61.314	490.84	0.40290	58.614
513.30	0.26235	61.296	490.66	0.40759	58.592
512.89	0.26704	61.247	490.21	0.41227	58.538
512.32	0.27641	61.179	489.98	0.41696	58.511
512.21	0.26704	61.166	489.61	0.42164	58.466
511.95	0.27172	61.135	489.08	0.41227	58.404
511.54	0.26704	61.085	488.89	0.42164	58.381
510.94	0.27641	61.013	488.59	0.43101	58.345
510.71	0.27172	60.987	488.25	0.43570	58.305
510.30	0.27641	60.937	487.69	0.44038	58.238
510.15	0.27641	60.919	487.54	0.43570	58.220
509.81	0.28578	60.879	487.09	0.44506	58.166
509.21	0.28578	60.807	486.60	0.44506	58.107
508.98	0.28578	60.780	486.45	0.45443	58.090
508.61	0.28578	60.735	486.04	0.45912	58.040
508.27	0.29046	60.695	485.70	0.45912	58.000
507.93	0.29515	60.655	485.32	0.46380	57.955
507.71	0.29983	60.628	484.76	0.46849	57.888
507.33	0.29983	60.583	484.61	0.46380	57.870
506.84	0.29983	60.525	484.12	0.47786	57.812
506.54	0.30452	60.489	483.75	0.47786	57.767
506.13	0.30452	60.440	483.56	0.47786	57.744
505.87	0.30920	60.408	483.26	0.48254	57.708
505.53	0.32326	60.368	482.92	0.48723	57.668
505.19	0.31389	60.327	482.36	0.49191	57.601
504.66	0.32794	60.265	482.24	0.49660	57.587
504.21	0.32794	60.211	481.79	0.49660	57.534

481.42	0.49660	57.489	460.09	0.88076	54.942
481.19	0.50597	57.462	459.57	0.89013	54.879
480.78	0.51065	57.412	459.11	0.89950	54.825
480.48	0.52002	57.377	458.89	0.90887	54.798
480.22	0.51065	57.345	458.48	0.92761	54.749
479.80	0.52002	57.296	458.18	0.94166	54.713
479.43	0.52002	57.251	457.84	0.94166	54.673
479.05	0.52939	57.206	457.42	0.96509	54.623
478.83	0.52939	57.179	457.09	0.96977	54.583
478.56	0.53408	57.148	456.79	0.97914	54.547
477.89	0.53876	57.067	456.34	0.99320	54.493
477.66	0.53408	57.040	456.15	0.99788	54.471
477.44	0.53408	57.013	455.55	1.0119	54.399
477.06	0.54345	56.969	455.28	1.0213	54.368
476.80	0.54813	56.937	455.10	1.0307	54.345
476.31	0.56219	56.879	454.80	1.0541	54.309
476.24	0.55750	56.870	454.42	1.0588	54.265
475.67	0.56687	56.803	454.04	1.0775	54.220
475.34	0.56219	56.762	453.74	1.0869	54.184
475.00	0.56687	56.722	453.26	1.1010	54.126
474.58	0.57624	56.673	452.96	1.1056	54.090
474.43	0.57156	56.655	452.58	1.1244	54.045
474.02	0.58093	56.605	452.13	1.1431	53.991
473.65	0.58561	56.561	451.98	1.1478	53.973
473.38	0.58561	56.529	451.64	1.1525	53.933
473.12	0.59030	56.498	451.38	1.1759	53.901
472.44	0.59498	56.417	450.89	1.1993	53.843
472.14	0.60904	56.381	450.63	1.2040	53.812
471.92	0.61841	56.354	450.21	1.2274	53.762
471.62	0.62778	56.318	449.91	1.2415	53.726
471.47	0.62778	56.301	449.54	1.2602	53.682
470.94	0.63715	56.238	449.24	1.2696	53.646
470.61	0.64652	56.197	448.90	1.2883	53.605
470.42	0.65589	56.175	448.64	1.2930	53.574
469.93	0.64652	56.117	448.34	1.3165	53.538
469.70	0.65120	56.090	447.96	1.3446	53.493
469.10	0.65589	56.018	447.66	1.3586	53.457
468.91	0.66057	55.996	447.17	1.3774	53.399
468.77	0.66994	55.978	446.87	1.3914	53.363
468.32	0.67931	55.924	446.50	1.4055	53.318
467.75	0.67931	55.856	446.16	1.4289	53.278
467.49	0.69805	55.825	445.93	1.4429	53.251
467.19	0.70742	55.789	445.63	1.4617	53.215
467.00	0.71679	55.767	444.99	1.4804	53.139
466.66	0.73084	55.727	444.65	1.4898	53.098
466.44	0.73553	55.700	444.39	1.5132	53.067
465.91	0.74021	55.637	444.09	1.5226	53.031
465.38	0.75427	55.574	443.72	1.5507	52.987
464.75	0.75895	55.498	443.45	1.5648	52.955
464.97	0.76364	55.525	443.19	1.5835	52.924
464.63	0.77301	55.484	442.89	1.5976	52.888
464.26	0.77769	55.440	442.59	1.6116	52.852
464.07	0.78238	55.417	442.33	1.6303	52.821
463.51	0.79643	55.350	441.84	1.6585	52.762
463.47	0.80112	55.345	441.35	1.6772	52.704
462.94	0.81049	55.283	440.94	1.7053	52.655
462.57	0.81517	55.238	440.64	1.7194	52.619
462.16	0.82454	55.188	440.34	1.7428	52.583
462.08	0.82454	55.180	440.08	1.7615	52.552
461.59	0.84328	55.121	439.66	1.7849	52.502
461.03	0.84797	55.054	439.17	1.8037	52.444
460.84	0.86202	55.031	439.06	1.8318	52.431
460.43	0.86671	54.982	438.65	1.8552	52.381
460.20	0.87139	54.955	438.39	1.8786	52.350

437.97	1.9068	52.301	415.97	3.9681	49.673
437.86	1.9161	52.287	415.71	4.0056	49.642
437.11	1.9442	52.197	415.40	4.0337	49.606
437.11	1.9536	52.197	414.58	4.0946	49.508
436.58	1.9958	52.135	414.69	4.1321	49.521
436.24	2.0051	52.094	414.32	4.1555	49.476
435.91	2.0379	52.054	413.83	4.2117	49.417
435.61	2.0660	52.018	413.31	4.2539	49.355
435.34	2.0848	51.987	413.23	4.3007	49.346
434.93	2.1129	51.937	412.89	4.3476	49.305
434.59	2.1410	51.897	410.69	4.3757	49.042
434.26	2.1691	51.857	410.35	4.4179	49.002
434.18	2.1832	51.848	411.76	4.4788	49.171
433.66	2.2253	51.785	411.43	4.5162	49.130
433.09	2.2488	51.717	411.31	4.5631	49.117
432.87	2.2675	51.691	410.86	4.5959	49.063
432.45	2.3097	51.641	410.56	4.6474	49.027
432.11	2.3284	51.601	410.07	4.6849	48.969
431.78	2.3612	51.561	409.89	4.7458	48.947
431.48	2.3940	51.525	409.36	4.7833	48.884
431.18	2.4221	51.489	408.83	4.8395	48.821
430.88	2.4315	51.453	408.68	4.8910	48.803
430.50	2.4689	51.408	408.42	4.9285	48.772
430.24	2.5017	51.377	408.05	4.9707	48.727
429.98	2.5252	51.346	407.56	5.0410	48.669
429.49	2.5720	51.287	407.18	5.0831	48.624
429.26	2.5767	51.260	407.11	5.1159	48.615
428.89	2.6189	51.216	406.77	5.1721	48.575
428.32	2.6563	51.148	406.36	5.2190	48.525
428.25	2.6798	51.139	404.45	5.2705	48.298
427.76	2.7079	51.081	405.72	5.3267	48.449
427.53	2.7407	51.054	405.27	5.3689	48.395
426.86	2.7828	50.973	404.89	5.4251	48.350
426.82	2.7969	50.969	403.36	5.4860	48.168
426.41	2.8484	50.920	404.25	5.5141	48.274
425.96	2.8718	50.866	404.07	5.5703	48.252
425.69	2.9093	50.834	401.30	5.6406	47.922
425.21	2.9468	50.776	403.20	5.6828	48.148
424.98	2.9843	50.749	402.86	5.7531	48.108
424.68	3.0218	50.713	402.38	5.8233	48.050
424.38	3.0499	50.677	402.30	5.8608	48.041
423.85	3.0827	50.615	401.89	5.9217	47.991
423.74	3.1248	50.601	401.47	5.9873	47.942
423.29	3.1670	50.547	401.29	6.0435	47.920
422.76	3.1998	50.484	400.87	6.0951	47.870
422.58	3.2373	50.462	396.77	6.1700	47.380
422.24	3.2794	50.422	400.27	6.2169	47.799
421.68	3.3029	50.355	399.83	6.2590	47.745
421.41	3.3450	50.323	399.52	6.3293	47.709
420.96	3.3825	50.269	398.70	6.3621	47.611
420.81	3.4200	50.251	396.53	6.4136	47.352
420.47	3.4575	50.211	398.55	6.4698	47.592
420.21	3.4949	50.180	398.21	6.5073	47.552
419.95	3.5324	50.148	397.91	6.5448	47.516
419.61	3.5746	50.108	397.61	6.6198	47.480
418.97	3.6261	50.032	397.01	6.6713	47.409
418.19	3.6683	49.938	397.04	6.7041	47.413
417.97	3.6776	49.911	396.52	6.7837	47.350
417.59	3.7339	49.866	396.26	6.8353	47.319
416.21	3.7713	49.701	395.96	6.8681	47.283
417.47	3.8088	49.852	395.50	6.9524	47.229
417.06	3.8510	49.803	395.20	7.0086	47.193
416.24	3.8791	49.705	394.98	7.0461	47.167
416.38	3.9213	49.722	394.60	7.1351	47.122

394.19	7.2335	47.072	372.49	12.940	44.481
393.74	7.2803	47.019	372.11	13.122	44.436
393.40	7.4068	46.978	371.77	13.221	44.395
393.03	7.5005	46.933	371.25	13.389	44.332
392.65	7.5521	46.888	370.80	13.572	44.279
392.28	7.6692	46.844	370.68	13.699	44.265
392.05	7.7301	46.817	370.19	13.783	44.207
391.67	7.7816	46.772	369.74	13.947	44.153
391.26	7.8847	46.723	369.59	14.073	44.135
391.04	7.9690	46.696	369.26	14.186	44.095
390.59	8.0393	46.642	368.96	14.340	44.059
390.21	8.1189	46.597	368.54	14.415	44.010
389.80	8.1798	46.548	368.24	14.523	43.974
389.61	8.2548	46.525	367.75	14.668	43.915
389.20	8.3204	46.476	367.49	14.776	43.884
388.97	8.4047	46.449	367.15	14.912	43.844
388.63	8.4750	46.409	366.78	15.029	43.799
388.41	8.5781	46.382	366.29	15.188	43.740
387.92	8.6436	46.323	366.03	15.329	43.709
387.66	8.7373	46.292	365.76	15.488	43.678
387.24	8.8451	46.243	365.35	15.573	43.628
386.75	8.9247	46.184	365.16	15.713	43.606
386.57	8.9622	46.162	364.64	15.849	43.543
386.19	9.0793	46.117	364.37	15.971	43.512
385.74	9.1496	46.063	363.89	16.097	43.453
385.55	9.2011	46.041	363.55	16.205	43.413
384.95	9.3230	45.969	363.29	16.346	43.382
384.88	9.3885	45.960	362.91	16.449	43.337
384.58	9.4448	45.924	362.53	16.627	43.292
384.16	9.5713	45.875	362.23	16.758	43.256
383.75	9.6696	45.826	361.82	16.880	43.207
383.53	9.7399	45.799	361.56	17.030	43.175
383.11	9.8383	45.750	361.14	17.147	43.126
382.81	9.9086	45.714	360.88	17.273	43.095
382.44	9.9976	45.669	360.47	17.465	43.045
382.06	10.115	45.624	360.09	17.554	43.001
381.72	10.180	45.584	359.79	17.676	42.965
381.54	10.269	45.561	359.57	17.864	42.938
380.97	10.386	45.494	359.12	17.948	42.884
380.82	10.438	45.476	358.78	18.065	42.844
380.48	10.546	45.436	358.44	18.229	42.803
379.88	10.658	45.364	358.07	18.346	42.759
379.70	10.738	45.341	357.80	18.426	42.727
379.40	10.799	45.306	357.58	18.590	42.700
378.98	10.925	45.256	357.05	18.730	42.637
378.57	11.019	45.207	356.83	18.847	42.611
378.31	11.117	45.175	356.26	19.025	42.543
378.04	11.225	45.144	356.04	19.152	42.516
377.67	11.267	45.099	355.81	19.283	42.489
377.37	11.356	45.063	355.40	19.424	42.440
377.03	11.436	45.023	355.17	19.569	42.413
376.84	11.487	45.001	354.72	19.709	42.359
376.47	11.567	44.956	354.35	19.869	42.315
376.24	11.642	44.929	354.12	19.939	42.288
375.75	11.754	44.871	353.82	20.047	42.252
375.45	11.839	44.835	353.41	20.206	42.203
375.00	11.942	44.781	352.96	20.286	42.149
374.81	12.050	44.758	352.70	20.412	42.117
374.51	12.153	44.723	352.36	20.520	42.077
373.95	12.312	44.655	352.13	20.614	42.050
373.76	12.420	44.633	351.80	20.717	42.010
373.46	12.499	44.597	351.31	20.820	41.951
373.12	12.677	44.557	351.12	20.927	41.929
372.71	12.804	44.507	350.82	21.035	41.893

350.37	21.194	41.839	328.10	32.415	39.180
349.88	21.340	41.781	327.95	32.546	39.163
349.73	21.485	41.763	327.39	32.715	39.095
349.39	21.686	41.723	327.24	32.851	39.077
349.06	21.874	41.683	326.71	33.019	39.015
348.72	22.010	41.642	326.30	33.169	38.965
348.27	22.300	41.588	326.26	33.333	38.961
348.04	22.525	41.561	325.77	33.478	38.902
347.63	22.722	41.512	325.32	33.684	38.849
347.40	23.003	41.485	325.02	33.844	38.813
346.99	23.242	41.436	324.72	33.951	38.777
346.54	23.387	41.382	324.27	34.148	38.723
346.09	23.668	41.328	324.12	34.303	38.705
345.79	23.860	41.292	323.63	34.448	38.647
345.52	24.062	41.261	323.11	34.654	38.584
345.07	24.319	41.207	322.92	34.757	38.562
344.85	24.446	41.180	322.58	34.888	38.521
344.62	24.629	41.153	322.21	35.076	38.477
344.29	24.882	41.113	321.98	35.230	38.450
343.91	25.008	41.068	321.42	35.319	38.382
343.65	25.200	41.037	321.12	35.516	38.347
343.16	25.434	40.978	320.89	35.661	38.320
343.01	25.608	40.961	320.52	35.802	38.275
342.63	25.734	40.916	320.11	36.003	38.225
342.22	25.982	40.866	319.88	36.116	38.199
341.69	26.165	40.803	319.47	36.210	38.149
341.47	26.324	40.777	319.09	36.406	38.104
341.09	26.507	40.732	318.72	36.552	38.060
340.79	26.652	40.696	318.49	36.687	38.033
340.49	26.821	40.660	318.08	36.880	37.983
339.85	26.985	40.584	317.55	36.973	37.921
339.70	27.158	40.566	317.18	37.118	37.876
339.40	27.313	40.530	316.91	37.287	37.844
339.03	27.519	40.485	316.69	37.414	37.818
338.69	27.627	40.445	316.35	37.540	37.777
338.43	27.786	40.413	315.83	37.709	37.714
338.09	27.936	40.373	315.64	37.826	37.692
337.72	28.105	40.328	315.19	37.910	37.638
337.38	28.259	40.288	314.92	38.065	37.607
336.96	28.470	40.239	314.66	38.187	37.575
336.66	28.578	40.203	314.32	38.294	37.535
336.33	28.751	40.162	313.84	38.449	37.477
336.03	28.943	40.127	313.54	38.566	37.441
335.76	29.093	40.095	313.39	38.641	37.423
335.31	29.210	40.041	312.82	38.782	37.356
334.90	29.416	39.992	312.56	38.885	37.324
334.60	29.566	39.956	312.18	38.997	37.279
334.30	29.726	39.920	311.73	39.152	37.226
333.77	29.941	39.857	311.55	39.264	37.203
333.51	30.035	39.826	311.13	39.358	37.154
333.06	30.218	39.772	310.64	39.512	37.096
332.65	30.428	39.723	310.42	39.625	37.069
332.53	30.574	39.710	310.23	39.723	37.046
332.20	30.681	39.669	309.74	39.868	36.988
331.74	30.892	39.615	309.37	39.995	36.943
331.33	31.056	39.566	309.14	40.103	36.916
331.14	31.206	39.544	308.65	40.262	36.858
330.77	31.375	39.499	308.35	40.374	36.822
330.28	31.492	39.440	308.20	40.473	36.804
329.87	31.651	39.391	307.60	40.604	36.733
329.60	31.834	39.360	307.42	40.684	36.710
329.27	31.970	39.319	307.12	40.810	36.674
328.85	32.031	39.270	306.44	40.960	36.593
328.52	32.246	39.230	306.25	41.063	36.571

305.91	41.171	36.531	288.08	44.497	34.401
305.69	41.269	36.504	287.82	44.610	34.370
305.16	41.396	36.441	287.44	44.694	34.325
304.90	41.499	36.410	287.10	44.820	34.284
304.83	41.625	36.401	286.95	44.872	34.266
304.23	41.747	36.329	286.42	44.984	34.203
303.81	41.846	36.280	285.89	45.106	34.140
303.59	41.902	36.253	285.66	45.162	34.112
303.32	42.047	36.221	285.55	45.247	34.099
303.02	42.141	36.185	285.09	45.359	34.045
302.98	42.216	36.181	284.49	45.448	33.972
302.68	42.305	36.145	284.38	45.514	33.959
302.61	42.361	36.136	283.85	45.622	33.896
302.49	42.398	36.122	283.66	45.692	33.873
302.30	42.426	36.100	283.35	45.748	33.837
302.19	42.436	36.086	282.82	45.842	33.774
302.04	42.445	36.068	282.48	45.921	33.733
302.11	42.431	36.077	282.33	45.982	33.715
301.89	42.426	36.050	281.77	46.039	33.647
301.51	42.403	36.005	281.46	46.109	33.611
301.36	42.384	35.987	281.09	46.142	33.566
301.25	42.361	35.973	280.78	46.212	33.530
301.21	42.333	35.969	280.37	46.259	33.480
301.09	42.295	35.955	280.03	46.301	33.439
301.13	42.258	35.960	279.69	46.338	33.399
301.06	42.216	35.951	279.38	46.381	33.363
300.68	42.188	35.905	278.93	46.427	33.308
300.34	42.159	35.865	278.63	46.465	33.272
300.30	42.131	35.860	278.17	46.530	33.218
300.03	42.122	35.829	277.95	46.563	33.191
299.73	42.099	35.793	277.61	46.624	33.150
299.16	42.099	35.725	277.15	46.657	33.096
298.98	42.117	35.702	276.96	46.704	33.074
298.79	42.141	35.680	276.55	46.774	33.024
298.22	42.202	35.612	276.28	46.802	32.992
297.92	42.267	35.576	276.13	46.840	32.974
297.61	42.328	35.540	275.53	46.901	32.902
297.39	42.417	35.512	275.15	46.947	32.857
296.93	42.506	35.458	274.96	46.980	32.834
296.59	42.586	35.418	274.47	47.022	32.775
296.29	42.656	35.381	274.20	47.055	32.744
295.95	42.722	35.341	273.86	47.093	32.703
295.69	42.773	35.309	273.48	47.149	32.658
295.12	42.820	35.242	273.22	47.163	32.626
294.93	42.825	35.219	272.80	47.196	32.577
294.70	42.843	35.192	272.42	47.243	32.532
294.32	42.862	35.147	272.12	47.261	32.495
293.95	42.909	35.102	271.89	47.285	32.468
293.64	42.951	35.065	271.33	47.332	32.401
293.23	43.026	35.016	271.02	47.355	32.364
292.70	43.115	34.952	270.87	47.388	32.346
292.58	43.176	34.939	270.31	47.411	32.279
292.28	43.293	34.903	269.93	47.439	32.233
291.94	43.387	34.862	269.78	47.453	32.215
291.56	43.476	34.817	269.47	47.486	32.179
291.15	43.602	34.767	268.98	47.505	32.121
290.92	43.696	34.740	268.53	47.533	32.066
290.50	43.771	34.691	268.23	47.561	32.030
290.24	43.912	34.659	268.07	47.575	32.012
289.78	44.019	34.605	267.58	47.585	31.953
289.63	44.113	34.587	267.24	47.617	31.913
289.18	44.225	34.532	266.75	47.645	31.854
288.73	44.300	34.478	266.52	47.659	31.827
288.50	44.403	34.451	266.15	47.678	31.782

265.96	47.697	31.759	244.81	48.990	29.234
265.50	47.716	31.705	244.70	49.018	29.221
265.12	47.716	31.660	244.17	49.042	29.158
264.86	47.739	31.628	244.02	49.074	29.140
264.59	47.758	31.597	243.72	49.102	29.103
264.25	47.781	31.556	243.04	49.149	29.022
263.99	47.805	31.524	242.88	49.159	29.004
263.61	47.805	31.479	242.66	49.206	28.977
263.31	47.833	31.443	242.17	49.252	28.918
262.97	47.842	31.402	242.01	49.285	28.900
262.55	47.861	31.353	241.75	49.323	28.869
262.06	47.880	31.294	241.41	49.360	28.828
261.98	47.894	31.285	240.95	49.393	28.774
261.61	47.908	31.240	240.46	49.435	28.715
261.19	47.922	31.190	240.46	49.482	28.715
260.96	47.941	31.163	239.78	49.538	28.634
260.62	47.945	31.122	239.52	49.566	28.602
260.17	47.959	31.068	239.37	49.622	28.584
260.06	47.978	31.055	238.80	49.665	28.516
259.53	47.987	30.991	238.57	49.702	28.489
259.26	48.006	30.960	238.08	49.763	28.431
259.03	48.016	30.933	238.04	49.796	28.426
258.77	48.030	30.901	237.44	49.847	28.354
258.50	48.048	30.869	237.02	49.899	28.304
258.13	48.058	30.824	236.95	49.936	28.295
257.67	48.086	30.770	236.49	49.960	28.241
257.41	48.095	30.738	236.08	50.011	28.191
257.03	48.114	30.693	235.89	50.044	28.169
256.61	48.123	30.644	235.58	50.058	28.132
256.43	48.142	30.621	235.06	50.100	28.069
256.08	48.165	30.580	234.79	50.119	28.038
255.89	48.180	30.558	234.30	50.157	27.979
255.33	48.208	30.490	234.11	50.194	27.956
255.03	48.222	30.454	233.88	50.217	27.929
254.72	48.240	30.418	233.43	50.236	27.875
254.61	48.254	30.404	233.16	50.274	27.843
253.97	48.287	30.328	232.75	50.311	27.794
253.74	48.306	30.300	232.41	50.344	27.753
253.44	48.325	30.264	232.14	50.386	27.721
253.06	48.348	30.219	231.80	50.405	27.681
252.72	48.376	30.178	231.54	50.442	27.649
252.38	48.395	30.138	230.97	50.494	27.581
252.07	48.423	30.102	230.86	50.522	27.568
251.77	48.447	30.066	230.40	50.541	27.514
251.43	48.456	30.025	230.14	50.602	27.482
250.98	48.498	29.971	229.84	50.639	27.446
250.64	48.522	29.930	229.57	50.677	27.414
250.41	48.540	29.903	229.23	50.719	27.374
250.15	48.568	29.871	228.78	50.766	27.319
249.62	48.596	29.808	228.32	50.817	27.265
249.58	48.625	29.804	227.98	50.873	27.225
249.12	48.648	29.749	227.72	50.906	27.193
249.01	48.671	29.736	227.42	50.948	27.157
248.48	48.700	29.673	227.07	50.995	27.116
248.18	48.723	29.636	226.70	51.037	27.071
247.69	48.756	29.578	226.39	51.075	27.035
247.65	48.765	29.573	225.90	51.108	26.976
247.12	48.798	29.510	225.75	51.140	26.958
246.78	48.817	29.469	225.37	51.173	26.913
246.52	48.845	29.438	225.03	51.206	26.872
246.06	48.887	29.384	224.65	51.243	26.827
245.91	48.906	29.365	224.46	51.257	26.804
245.38	48.929	29.302	223.86	51.309	26.732
245.04	48.957	29.262	223.63	51.323	26.705

223.18	51.365	26.651	232.34	41.696	27.745
222.76	51.403	26.601	232.53	41.429	27.767
222.61	51.417	26.583	233.09	41.190	27.834
222.23	51.431	26.538	233.54	40.932	27.888
221.82	51.468	26.488	234.03	40.684	27.947
221.36	51.501	26.434	234.29	40.463	27.978
221.21	51.506	26.416	234.74	40.234	28.032
220.68	51.534	26.353	235.12	39.995	28.077
220.42	51.557	26.321	235.53	39.784	28.126
220.04	51.581	26.276	236.10	39.550	28.193
219.59	51.604	26.222	236.40	39.344	28.229
219.36	51.628	26.195	236.88	39.128	28.288
219.06	51.646	26.159	237.26	38.866	28.332
218.56	51.660	26.100	237.64	38.683	28.377
218.34	51.684	26.073	238.09	38.543	28.431
218.00	51.689	26.032	238.54	38.271	28.485
217.73	51.698	26.001	238.88	38.088	28.525
217.20	51.721	25.937	239.21	37.962	28.566
217.05	51.735	25.919	239.70	37.713	28.624
216.56	51.754	25.861	240.00	37.554	28.660
216.22	51.768	25.820	240.45	37.348	28.714
215.92	51.778	25.784	240.87	37.184	28.763
215.95	51.792	25.788	241.24	37.011	28.808
215.73	51.801	25.761	241.73	36.823	28.866
215.99	51.792	25.793	242.22	36.627	28.925
216.22	51.773	25.820	242.52	36.523	28.961
216.48	51.763	25.851	242.97	36.355	29.014
216.78	51.745	25.887	243.42	36.149	29.068
217.08	51.698	25.923	243.91	35.989	29.127
217.68	51.618	25.995	244.14	35.882	29.153
217.98	51.492	26.031	244.62	35.680	29.212
218.55	51.272	26.098	245.04	35.526	29.261
218.89	51.150	26.138	245.49	35.385	29.315
219.41	50.939	26.201	245.83	35.193	29.355
219.86	50.648	26.255	246.28	35.095	29.409
220.35	50.489	26.313	246.61	34.945	29.449
220.65	50.264	26.349	247.10	34.753	29.508
221.14	49.889	26.407	247.40	34.621	29.544
221.59	49.758	26.461	247.93	34.495	29.606
221.78	49.421	26.484	248.30	34.373	29.651
222.46	49.004	26.565	248.76	34.247	29.705
222.72	48.817	26.596	249.17	34.120	29.755
223.21	48.522	26.654	249.66	33.942	29.813
223.73	48.090	26.717	249.92	33.886	29.844
224.00	47.777	26.748	250.45	33.741	29.907
224.45	47.561	26.802	250.86	33.605	29.956
224.86	47.111	26.852	251.16	33.492	29.992
225.24	46.807	26.897	251.54	33.380	30.037
225.54	46.596	26.932	251.99	33.230	30.091
226.18	46.146	27.009	252.40	33.155	30.140
226.44	45.842	27.040	252.78	33.061	30.185
226.85	45.500	27.090	253.23	32.911	30.239
227.30	45.200	27.143	253.53	32.808	30.275
227.68	44.900	27.188	253.98	32.733	30.329
228.13	44.553	27.242	254.39	32.588	30.378
228.50	44.282	27.287	254.92	32.480	30.441
228.96	43.972	27.341	255.37	32.368	30.495
229.37	43.687	27.390	255.59	32.232	30.522
229.86	43.326	27.449	256.19	32.138	30.593
230.08	43.120	27.475	256.49	32.073	30.629
230.57	42.829	27.534	256.98	31.937	30.688
231.02	42.478	27.588	257.32	31.829	30.728
231.55	42.286	27.650	257.73	31.740	30.777
231.85	42.033	27.686	258.15	31.623	30.827

258.49	31.543	30.867	283.39	24.849	33.841
258.97	31.431	30.925	284.03	24.713	33.917
259.50	31.309	30.988	284.41	24.638	33.962
259.76	31.234	31.020	284.82	24.530	34.012
260.14	31.141	31.065	285.19	24.390	34.056
260.55	31.019	31.114	285.61	24.324	34.106
261.08	30.916	31.177	286.06	24.216	34.160
261.34	30.822	31.208	286.43	24.071	34.204
261.83	30.724	31.266	286.62	23.982	34.227
262.17	30.625	31.307	286.92	23.884	34.263
262.43	30.527	31.338	287.49	23.771	34.330
262.88	30.400	31.392	287.86	23.663	34.375
263.26	30.311	31.437	288.16	23.556	34.411
263.59	30.250	31.477	288.61	23.448	34.465
264.08	30.110	31.536	289.06	23.335	34.519
264.50	30.021	31.585	289.29	23.246	34.545
264.91	29.918	31.634	289.74	23.134	34.599
265.36	29.805	31.688	290.04	23.022	34.635
265.77	29.712	31.738	290.53	22.919	34.694
265.48	29.609	31.702	291.02	22.797	34.752
266.64	29.473	31.841	291.28	22.726	34.783
266.86	29.365	31.868	291.39	22.623	34.797
267.32	29.304	31.921	292.03	22.478	34.873
267.61	29.168	31.957	292.60	22.375	34.940
268.10	29.056	32.016	292.75	22.314	34.958
268.59	28.953	32.074	293.27	22.169	35.021
268.93	28.817	32.114	293.53	22.071	35.052
269.34	28.751	32.164	293.98	21.967	35.106
269.61	28.634	32.195	294.36	21.818	35.151
270.13	28.508	32.258	294.85	21.738	35.209
270.62	28.414	32.316	295.00	21.621	35.227
270.96	28.334	32.357	295.52	21.480	35.290
271.37	28.212	32.406	295.86	21.377	35.331
271.64	28.114	32.437	296.13	21.307	35.362
272.01	28.016	32.482	296.61	21.143	35.420
272.42	27.894	32.531	297.18	21.002	35.488
272.76	27.814	32.572	297.52	20.876	35.528
273.33	27.706	32.639	297.85	20.726	35.568
273.66	27.599	32.680	298.30	20.609	35.622
274.04	27.496	32.724	298.49	20.459	35.645
274.30	27.397	32.756	299.17	20.243	35.725
274.71	27.252	32.805	299.36	20.094	35.748
275.17	27.163	32.859	299.77	20.009	35.797
275.47	27.097	32.895	300.18	19.770	35.846
275.99	26.957	32.958	300.56	19.606	35.891
276.41	26.859	33.007	300.97	19.447	35.941
276.52	26.770	33.020	301.20	19.292	35.967
277.04	26.662	33.083	301.69	19.128	36.026
277.46	26.559	33.133	301.91	18.969	36.053
277.83	26.493	33.177	302.44	18.838	36.116
278.28	26.353	33.231	302.85	18.665	36.165
278.55	26.249	33.263	303.15	18.510	36.201
279.03	26.151	33.321	303.68	18.304	36.264
279.33	26.015	33.357	303.98	18.145	36.299
279.64	25.954	33.393	304.28	18.051	36.335
280.05	25.837	33.442	304.69	17.840	36.385
280.61	25.687	33.509	304.95	17.709	36.416
281.06	25.589	33.563	305.18	17.564	36.443
281.36	25.491	33.599	305.70	17.362	36.506
281.74	25.397	33.644	306.19	17.259	36.564
282.04	25.270	33.680	306.57	17.105	36.609
282.41	25.158	33.725	306.91	16.912	36.649
282.90	25.060	33.783	307.09	16.749	36.672
283.17	24.952	33.814	307.73	16.599	36.748

308.18	16.402	36.802	332.75	7.6739	39.735
308.60	16.332	36.851	333.12	7.5895	39.780
308.75	16.139	36.869	333.80	7.4818	39.861
309.24	15.933	36.927	333.91	7.4349	39.874
309.65	15.783	36.977	334.21	7.3459	39.910
309.95	15.638	37.013	334.81	7.2429	39.982
310.55	15.441	37.084	335.23	7.1679	40.031
310.78	15.357	37.111	335.75	7.0883	40.094
311.38	15.198	37.183	336.20	6.9946	40.148
311.56	15.001	37.205	336.35	6.9290	40.166
311.90	14.837	37.246	336.77	6.8634	40.215
312.28	14.678	37.291	337.18	6.7697	40.264
312.73	14.486	37.344	337.67	6.6994	40.323
313.07	14.378	37.385	337.93	6.6291	40.354
313.37	14.228	37.421	338.34	6.5448	40.403
313.89	14.036	37.483	338.64	6.4605	40.439
314.38	13.914	37.542	339.32	6.4183	40.520
314.64	13.802	37.573	339.62	6.3246	40.556
314.87	13.680	37.600	339.85	6.2637	40.583
315.32	13.614	37.654	340.30	6.2028	40.637
315.73	13.549	37.703	340.71	6.1091	40.686
316.33	13.469	37.775	341.05	6.0342	40.726
316.56	13.380	37.802	341.42	5.9826	40.771
316.86	13.286	37.838	341.99	5.8889	40.838
317.31	13.127	37.892	342.29	5.8233	40.874
317.65	13.001	37.932	342.63	5.7718	40.915
317.99	12.865	37.972	343.19	5.6828	40.982
318.40	12.701	38.022	343.34	5.6406	41.000
318.81	12.541	38.071	343.68	5.5891	41.040
319.07	12.382	38.102	344.02	5.5001	41.081
319.86	12.162	38.197	344.50	5.4392	41.139
320.02	12.026	38.215	344.80	5.3876	41.175
320.35	11.872	38.255	345.37	5.3174	41.242
320.73	11.675	38.300	345.67	5.2518	41.278
321.14	11.525	38.349	346.04	5.1909	41.323
321.59	11.431	38.403	346.50	5.1065	41.377
322.01	11.225	38.452	346.91	5.0597	41.426
322.31	11.080	38.488	347.21	4.9988	41.462
322.64	10.944	38.528	347.66	4.9238	41.516
323.02	10.747	38.573	347.92	4.8723	41.547
323.28	10.602	38.605	348.26	4.8348	41.588
323.81	10.461	38.668	348.90	4.7458	41.664
324.15	10.311	38.708	349.12	4.6896	41.691
324.48	10.176	38.748	349.46	4.6287	41.731
324.82	10.035	38.789	350.10	4.5537	41.807
325.35	9.8570	38.851	350.44	4.5162	41.848
325.65	9.7212	38.887	350.63	4.4600	41.870
325.95	9.5806	38.923	351.08	4.3944	41.924
326.44	9.4448	38.981	351.45	4.3476	41.969
326.70	9.3230	39.013	352.02	4.2961	42.036
327.04	9.2058	39.053	352.43	4.2398	42.086
327.60	9.0559	39.121	352.66	4.1836	42.112
327.98	8.9200	39.165	353.03	4.1368	42.157
328.20	8.8029	39.192	353.56	4.0805	42.220
328.80	8.6718	39.264	353.82	4.0384	42.251
329.18	8.5640	39.309	354.31	3.9728	42.310
329.55	8.4609	39.354	354.68	3.9119	42.355
330.00	8.3204	39.408	355.21	3.8791	42.417
330.46	8.2361	39.461	355.47	3.8276	42.449
330.83	8.1470	39.506	355.89	3.7573	42.498
331.24	8.0205	39.556	356.26	3.7198	42.543
331.58	7.9503	39.596	356.56	3.6823	42.579
331.88	7.8613	39.632	357.16	3.6167	42.651
332.52	7.7441	39.708	357.46	3.5699	42.686

357.80	3.5230	42.727	383.04	1.2087	45.741
358.21	3.4856	42.776	383.46	1.1900	45.790
358.52	3.4434	42.812	383.76	1.1572	45.826
358.85	3.4012	42.852	384.13	1.1291	45.871
359.38	3.3544	42.915	384.54	1.1150	45.920
359.83	3.2982	42.969	384.96	1.0963	45.970
360.17	3.2560	43.009	385.45	1.0682	46.028
360.58	3.1951	43.059	385.63	1.0400	46.051
360.92	3.1764	43.099	386.20	1.0166	46.118
361.33	3.1248	43.149	386.46	1.0026	46.149
361.86	3.0639	43.211	386.72	0.97914	46.180
362.16	3.0358	43.247	387.02	0.96509	46.216
362.53	2.9843	43.292	387.62	0.93698	46.288
363.14	2.9374	43.364	387.92	0.91356	46.324
363.44	2.8953	43.400	388.30	0.89482	46.369
363.70	2.8812	43.431	388.79	0.87139	46.427
364.04	2.8203	43.471	389.09	0.85734	46.463
364.37	2.7922	43.512	389.46	0.83860	46.508
364.90	2.7500	43.575	389.88	0.81986	46.557
365.28	2.6891	43.620	390.22	0.79175	46.598
365.46	2.6610	43.642	390.55	0.77301	46.638
365.95	2.6189	43.700	391.01	0.75427	46.692
366.55	2.5814	43.772	391.38	0.74021	46.737
366.89	2.5486	43.812	391.57	0.72616	46.759
367.68	2.4736	43.907	392.06	0.69336	46.817
368.05	2.4315	43.951	392.28	0.68868	46.844
368.39	2.3940	43.992	392.73	0.67931	46.898
368.92	2.3424	44.055	393.26	0.65120	46.961
369.30	2.3237	44.099	393.56	0.64183	46.997
369.52	2.2909	44.126	393.90	0.62778	47.037
370.08	2.2394	44.194	394.46	0.60435	47.105
370.27	2.2019	44.216	394.61	0.59030	47.122
370.53	2.1785	44.247	394.99	0.57624	47.167
371.21	2.1269	44.328	395.36	0.56687	47.212
371.47	2.1035	44.360	395.66	0.55282	47.248
371.89	2.0707	44.409	396.00	0.54345	47.288
372.38	2.0332	44.467	396.64	0.52002	47.365
372.75	1.9958	44.512	396.94	0.51065	47.401
372.94	1.9677	44.534	397.28	0.49191	47.441
373.31	1.9442	44.579	397.73	0.47786	47.495
373.88	1.9114	44.647	398.14	0.46380	47.544
374.18	1.8740	44.683	398.48	0.45443	47.584
374.59	1.8365	44.732	398.70	0.44975	47.611
374.82	1.8084	44.759	399.15	0.43101	47.665
375.38	1.7803	44.826	399.46	0.41696	47.701
375.83	1.7381	44.880	399.83	0.40759	47.746
376.32	1.7100	44.938	400.24	0.39822	47.795
376.62	1.6772	44.974	400.54	0.38885	47.831
376.92	1.6538	45.010	400.92	0.37948	47.876
377.18	1.6303	45.041	401.33	0.37011	47.925
377.67	1.5882	45.100	401.63	0.35605	47.961
378.23	1.5648	45.167	401.97	0.35137	48.002
378.38	1.5460	45.185	402.46	0.33263	48.060
378.87	1.5085	45.243	402.80	0.32794	48.100
379.14	1.4851	45.275	403.14	0.30920	48.141
379.70	1.4429	45.342	403.59	0.30920	48.194
380.07	1.4102	45.387	403.93	0.29046	48.235
380.34	1.4055	45.418	404.30	0.28578	48.280
380.68	1.3680	45.458	404.71	0.27172	48.329
381.01	1.3352	45.499	405.20	0.26704	48.387
381.62	1.3211	45.571	405.50	0.25767	48.423
382.10	1.2837	45.629	405.95	0.25299	48.477
382.29	1.2556	45.651	406.18	0.23893	48.504
382.63	1.2368	45.692	406.52	0.23893	48.544

406.93	0.22956	48.594	484.45	-0.13586	57.851
407.27	0.22488	48.634	488.25	-0.14523	58.304
407.72	0.22019	48.688	491.63	-0.14992	58.708
408.10	0.21082	48.733	494.45	-0.15460	59.045
408.36	0.20614	48.764	498.40	-0.15929	59.516
408.88	0.19677	48.827	501.44	-0.15460	59.880
409.26	0.19677	48.872	504.56	-0.15460	60.252
409.45	0.19208	48.894	508.58	-0.15460	60.733
410.09	0.18740	48.970	512.00	-0.16866	61.141
410.91	0.17334	49.069	514.67	-0.16866	61.460
411.81	0.15929	49.177	518.84	-0.16866	61.958
412.60	0.15460	49.271	522.15	-0.17803	62.353
413.09	0.14055	49.329	524.89	-0.18271	62.680
413.84	0.14055	49.419	528.99	-0.17334	63.170
415.04	0.12181	49.562	532.15	-0.18271	63.547
415.57	0.10775	49.625	535.61	-0.18271	63.960
416.13	0.098383	49.693	539.48	-0.18740	64.422
417.22	0.079643	49.823	542.52	-0.18271	64.786
417.79	0.079643	49.890			
418.69	0.070273	49.998			
419.40	0.065589	50.083			
420.08	0.056219	50.164			
420.83	0.046849	50.253			
421.81	0.042164	50.370			
422.59	0.037479	50.464			
423.08	0.028109	50.522			
424.21	0.0093700	50.657			
424.81	0.0093700	50.729			
425.37	0.0000	50.796			
426.46	-0.014055	50.926			
427.18	-0.014055	51.012			
427.82	-0.018740	51.088			
428.64	-0.018740	51.186			
429.40	-0.023424	51.276			
429.96	-0.032794	51.344			
430.94	-0.028109	51.460			
431.53	-0.037479	51.532			
432.21	-0.032794	51.613			
433.19	-0.046849	51.729			
433.83	-0.051534	51.806			
434.77	-0.051534	51.918			
434.66	-0.060904	51.905			
436.23	-0.051534	52.093			
436.83	-0.060904	52.164			
437.70	-0.060904	52.268			
438.37	-0.065589	52.348			
439.20	-0.065589	52.447			
440.06	-0.065589	52.550			
440.82	-0.074958	52.640			
441.49	-0.074958	52.721			
442.43	-0.084328	52.833			
443.18	-0.079643	52.923			
444.09	-0.079643	53.031			
446.68	-0.079643	53.340			
450.96	-0.089013	53.852			
453.89	-0.089013	54.202			
457.65	-0.093698	54.651			
460.96	-0.098383	55.046			
464.08	-0.10307	55.418			
467.91	-0.10307	55.876			
471.26	-0.11712	56.275			
474.19	-0.12181	56.625			
478.44	-0.13118	57.133			
481.33	-0.13118	57.478			

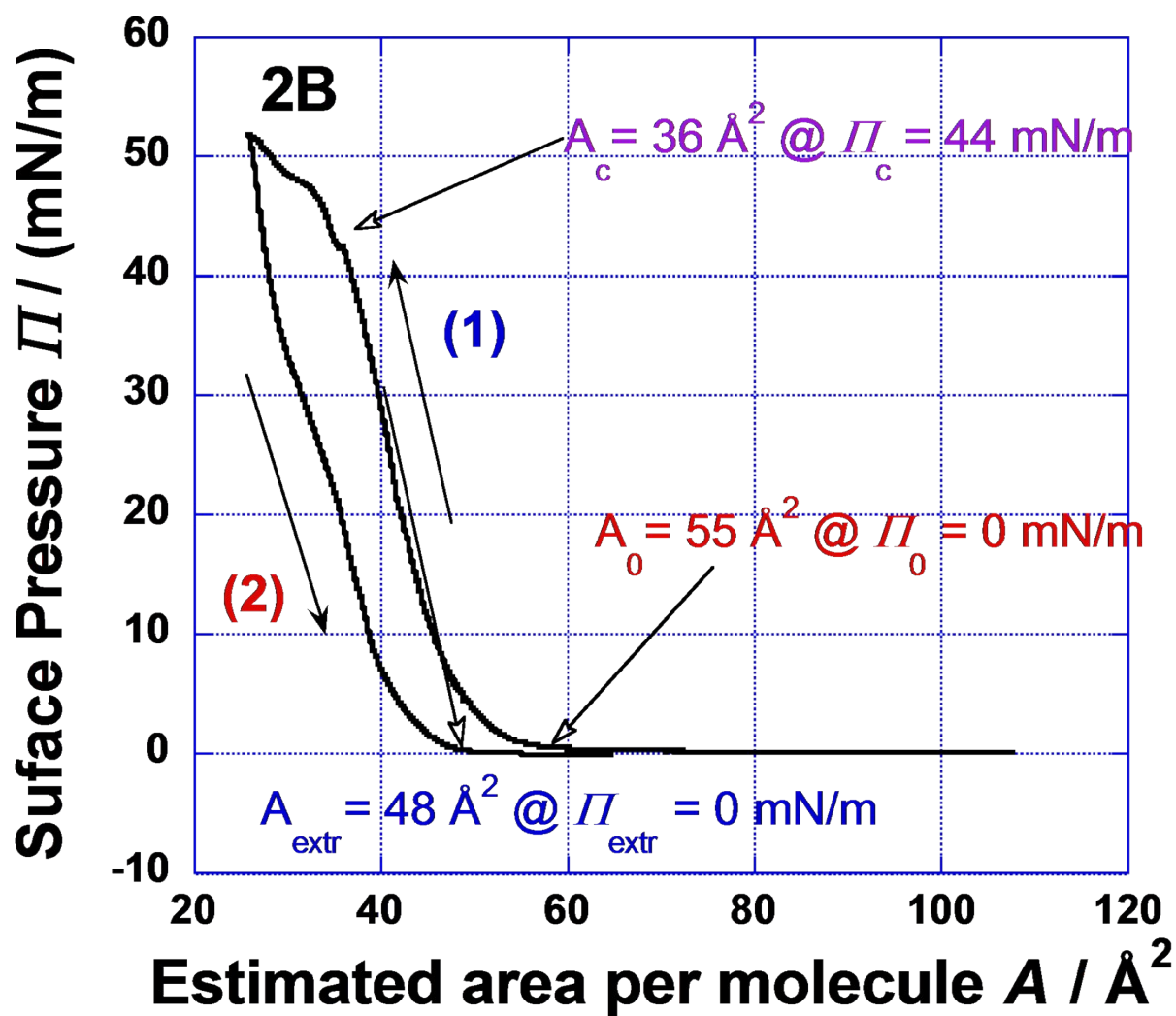


Figure 2B

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Data for Figure 3.

Bias V/ Volts and current I/Amperes for Figure 3

Bias V/Volts	scan 1	scan 2	scan3	scan 4	scan 5
	scan 6	scan 7	scan 8	scan 9	scan 10
	scan 11	scan 12	scan 13	scan 14	scan 15
	scan 16	scan 17	scan 18	scan 19	scan 20
	scan 21	scan 22	scan 23		

-0.0100000	-1.8900e-08	-6.6400e-09	-4.2400e-09	-2.8300e-09	-1.7600e-08	-
	2.7400e-08	-1.3600e-08	-1.2400e-08	-7.2900e-09	-3.7800e-08	-
	5.4600e-09	-2.7600e-08	-9.4900e-09	-1.3700e-08	-2.0900e-08	-
	9.9600e-09	-2.0900e-08	-9.9600e-09	-7.1300e-09	-2.8800e-09	-
	2.6900e-08	-3.6100e-08				
0.0000	-1.0300e-09	-3.3000e-10	-1.8200e-10	-9.6000e-11	-5.7900e-10	-
	7.2000e-10	-3.0700e-10	-2.6400e-10	-1.8400e-10	-7.1000e-10	-
	1.6400e-10	-6.3300e-10	-1.7400e-10	-2.2800e-10	-3.5100e-10	-
	1.8800e-10	-3.5100e-10	-1.8800e-10	-1.3300e-10	-5.8300e-11	-
	5.8500e-10	-8.2300e-10	-4.1000e-11			
0.0100000	1.6000e-08	4.6200e-09	3.9500e-09	2.1500e-09	1.5400e-08	
	2.4800e-08	1.1800e-08	1.0800e-08	6.4600e-09	3.0500e-08	
	6.4400e-09	2.6100e-08	8.9500e-09	1.1000e-08	1.6800e-08	
	9.1300e-09	1.6800e-08	9.1300e-09	6.2200e-09	2.8400e-09	
	2.4400e-08	3.2600e-08	1.5400e-09			
0.020000	3.2900e-08	8.9500e-09	7.8100e-09	4.1200e-09	3.2000e-08	
	5.1100e-08	2.2600e-08	1.9700e-08	1.2700e-08	6.0700e-08	
	8.2000e-09	5.2300e-08	1.8800e-08	2.2900e-08	3.3000e-08	
	1.7500e-08	3.3000e-08	1.7500e-08	1.2500e-08	4.7100e-09	
	4.7100e-08	6.4500e-08	3.0200e-09			
0.030000	5.2300e-08	1.2400e-08	1.0900e-08	6.2000e-09	4.6700e-08	
	7.5300e-08	3.5000e-08	3.0100e-08	1.9100e-08	9.4800e-08	
	1.4400e-08	7.9800e-08	2.8500e-08	3.2700e-08	5.2100e-08	
	2.6100e-08	5.2100e-08	2.6100e-08	1.6500e-08	9.0500e-09	
	6.9200e-08	9.7900e-08	4.0500e-09			
0.040000	6.4800e-08	1.6300e-08	1.4300e-08	7.9600e-09	6.1700e-08	
	1.0000e-07	4.8700e-08	3.3800e-08	2.5300e-08	1.2600e-07	
	1.4100e-08	1.0800e-07	3.5400e-08	4.0400e-08	6.3300e-08	
	3.1200e-08	6.3300e-08	3.1200e-08	2.2700e-08	1.2000e-08	
	9.1800e-08	1.3000e-07	5.9800e-09			
0.050000	7.5400e-08	1.7900e-08	1.7200e-08	9.7800e-09	7.9000e-08	
	1.2600e-07	5.9000e-08	3.9600e-08	2.8800e-08	1.4700e-07	
	1.9000e-08	1.3800e-07	4.2000e-08	4.6300e-08	7.3300e-08	
	3.7100e-08	7.3300e-08	3.7100e-08	2.8900e-08	1.4900e-08	
	1.0500e-07	1.5900e-07	7.6500e-09			
0.060000	9.4200e-08	2.1900e-08	2.3400e-08	1.0700e-08	8.7400e-08	
	1.4900e-07	7.0300e-08	5.1100e-08	3.3200e-08	1.6200e-07	
	2.0200e-08	1.5000e-07	5.2000e-08	5.5000e-08	8.7400e-08	
	4.1900e-08	8.7400e-08	4.1900e-08	3.3200e-08	1.7600e-08	
	1.2100e-07	1.9200e-07	1.0400e-08			
0.070000	1.1200e-07	2.3000e-08	2.6700e-08	1.3400e-08	1.0200e-07	
	1.6800e-07	8.2000e-08	6.0200e-08	3.8200e-08	1.9300e-07	
	2.3600e-08	1.7400e-07	6.5900e-08	6.3400e-08	9.7200e-08	
	4.6300e-08	9.7200e-08	4.6300e-08	3.6900e-08	1.7800e-08	
	1.3900e-07	2.2100e-07	1.0000e-08			
0.080000	1.2200e-07	2.8200e-08	2.9000e-08	1.5000e-08	1.2100e-07	
	1.9200e-07	9.3600e-08	7.5300e-08	4.2300e-08	2.2100e-07	
	2.3300e-08	1.9600e-07	7.5800e-08	7.0000e-08	1.1400e-07	
	5.2100e-08	1.1400e-07	5.2100e-08	4.0900e-08	2.3200e-08	
	1.5800e-07	2.5100e-07	1.4600e-08			
0.090000	1.4300e-07	2.8100e-08	3.0700e-08	1.5500e-08	1.3500e-07	
	2.1700e-07	9.7800e-08	1.0000e-06	4.6100e-08	2.3700e-07	
	2.7300e-08	2.1500e-07	7.4100e-08	7.0200e-08	1.2800e-07	
	6.1300e-08	1.2800e-07	6.1300e-08	4.5800e-08	2.7800e-08	
	1.6700e-07	2.8900e-07	1.6000e-08			
0.10000	1.5700e-07	3.7300e-08	3.2300e-08	1.7500e-08	1.5100e-07	
	2.3900e-07	1.0900e-07	1.1500e-06	5.0900e-08	2.5400e-07	
	3.2500e-08	2.4700e-07	5.2700e-08	7.1600e-08	1.3900e-07	
	6.6700e-08	1.3900e-07	6.6700e-08	5.2300e-08	2.5600e-08	
	1.8700e-07	3.2800e-07	1.5900e-08			
0.11000	1.6200e-07	3.8000e-08	3.5600e-08	1.8800e-08	1.6300e-07	
	2.6600e-07	1.2600e-07	1.1900e-06	5.7600e-08	2.8000e-07	
	3.2600e-08	2.6100e-07	5.5300e-08	7.6200e-08	1.4100e-07	
	7.5300e-08	1.4100e-07	7.5300e-08	5.6900e-08	2.7900e-08	

0.12000	1.9600e-07	3.4900e-07	1.9300e-08		
	1.7900e-07	4.0800e-08	4.1100e-08	2.1100e-08	1.7400e-07
	2.8700e-07	1.3300e-07	1.2700e-06	6.3900e-08	3.0900e-07
	3.6300e-08	2.8300e-07	5.9900e-08	8.1000e-08	1.6500e-07
	7.6200e-08	1.6500e-07	7.6200e-08	5.9100e-08	3.0900e-08
0.13000	2.3000e-07	3.8300e-07	2.2900e-08		
	1.9900e-07	4.2000e-08	4.3000e-08	1.9100e-08	1.8800e-07
	3.0300e-07	1.3400e-07	1.2800e-06	6.2900e-08	3.2400e-07
	3.7500e-08	2.9800e-07	6.0400e-08	9.1200e-08	1.8100e-07
	8.0200e-08	1.8100e-07	8.0200e-08	6.0100e-08	3.2400e-08
0.14000	2.4200e-07	4.0800e-07	2.5200e-08		
	2.1900e-07	4.6200e-08	4.5400e-08	1.9400e-08	1.9600e-07
	3.2300e-07	1.3900e-07	1.3300e-06	6.9300e-08	3.4100e-07
	3.9400e-08	3.2400e-07	5.9200e-08	8.7000e-08	1.8100e-07
	8.7200e-08	1.8100e-07	8.7200e-08	6.4000e-08	3.4800e-08
0.15000	2.5300e-07	4.3500e-07	2.7800e-08		
	2.1800e-07	4.4600e-08	4.1100e-08	2.0600e-08	2.0500e-07
	3.4700e-07	1.5100e-07	1.5500e-06	7.0700e-08	3.6600e-07
	3.5500e-08	5.7900e-07	5.6900e-08	8.3300e-08	1.8100e-07
	8.3500e-08	1.8100e-07	8.3500e-08	6.4400e-08	3.8400e-08
0.16000	2.6500e-07	4.5900e-07	2.9800e-08		
	2.1700e-07	4.5800e-08	4.4900e-08	2.0400e-08	2.0600e-07
	3.6400e-07	1.4800e-07	2.0000e-06	7.5000e-08	3.8100e-07
	2.9900e-08	6.1600e-07	5.7400e-08	9.1300e-08	2.2100e-07
	8.3300e-08	2.2100e-07	8.3300e-08	7.1400e-08	4.4900e-08
0.17000	2.9400e-07	5.0200e-07	2.8000e-08		
	2.2500e-07	4.6700e-08	4.5200e-08	1.9800e-08	2.1300e-07
	3.8600e-07	1.5600e-07	1.8800e-06	7.2200e-08	3.8000e-07
	3.0600e-08	5.9000e-07	6.4800e-08	9.6200e-08	2.1900e-07
	7.8700e-08	2.1900e-07	7.8700e-08	7.3100e-08	4.7900e-08
0.18000	3.2700e-07	5.3600e-07	3.1600e-08		
	2.3200e-07	4.9800e-08	4.3600e-08	2.0400e-08	2.3300e-07
	4.0100e-07	1.5600e-07	1.9300e-06	7.5500e-08	3.9400e-07
	3.1500e-08	6.1100e-07	6.9800e-08	1.0800e-07	2.2400e-07
	8.1500e-08	2.2400e-07	8.1500e-08	7.9000e-08	5.0500e-08
0.19000	3.2900e-07	5.7500e-07	2.8900e-08		
	2.3500e-07	5.8600e-08	4.2300e-08	2.0000e-08	2.3500e-07
	4.2400e-07	1.4500e-07	1.7900e-06	9.2200e-08	4.1400e-07
	3.6200e-08	6.5900e-07	6.8500e-08	1.0200e-07	2.2500e-07
	8.3700e-08	2.2500e-07	8.3700e-08	8.1100e-08	5.2200e-08
0.20000	3.4600e-07	5.8900e-07	3.5500e-08		
	2.3300e-07	5.7900e-08	4.7600e-08	2.0700e-08	2.3700e-07
	4.2900e-07	1.6400e-07	1.7900e-06	1.0300e-07	4.4400e-07
	3.3400e-08	6.8500e-07	6.8200e-08	1.0100e-07	2.3400e-07
	8.8600e-08	2.3400e-07	8.8600e-08	8.6000e-08	5.4300e-08
0.21000	3.8400e-07	6.2000e-07	3.4300e-08		
	2.6400e-07	5.8800e-08	5.0900e-08	2.5300e-08	2.5200e-07
	4.4400e-07	1.5100e-07	1.8900e-06	9.6900e-08	4.9700e-07
	3.5600e-08	7.4800e-07	6.4600e-08	1.0500e-07	2.4400e-07
	9.1200e-08	2.4400e-07	9.1200e-08	8.6100e-08	5.7900e-08
0.22000	4.1700e-07	6.2400e-07	3.9400e-08		
	2.6600e-07	6.9200e-08	5.4700e-08	2.3500e-08	2.3400e-07
	4.7300e-07	1.3900e-07	2.0300e-06	9.5100e-08	4.7400e-07
	3.3100e-08	7.5800e-07	6.9200e-08	9.9700e-08	2.6400e-07
	8.3600e-08	2.6400e-07	8.3600e-08	8.8000e-08	5.9300e-08
0.23000	4.3500e-07	6.3700e-07	3.8400e-08		
	2.6300e-07	6.6700e-08	4.8700e-08	2.4600e-08	2.3400e-07
	4.9100e-07	1.5300e-07	2.0100e-06	8.5400e-08	4.9500e-07
	3.5700e-08	7.5700e-07	6.5000e-08	1.0200e-07	2.5900e-07
	8.6800e-08	2.5900e-07	8.6800e-08	8.8100e-08	6.3400e-08
0.24000	4.4200e-07	6.7400e-07	4.0500e-08		
	2.6500e-07	6.3200e-08	4.2700e-08	2.8300e-08	2.4000e-07
	5.1400e-07	1.4500e-07	1.9900e-06	9.0500e-08	5.1100e-07
	3.1700e-08	8.0500e-07	6.6700e-08	9.8300e-08	2.5200e-07

		8.9600e-08	2.5200e-07	8.9600e-08	9.0800e-08	6.2500e-08	
		4.2800e-07	6.8100e-07	3.9500e-08			
0.25000		2.6700e-07	5.9100e-08	4.4300e-08	2.5800e-08	2.5200e-07	
		5.0400e-07	1.4400e-07	2.1400e-06	8.6000e-08	5.2700e-07	
		3.3700e-08	7.9700e-07	3.4300e-08	9.9300e-08	2.6900e-07	
		8.9900e-08	2.6900e-07	8.9900e-08	8.6600e-08	6.4600e-08	
		4.1900e-07	7.2300e-07	3.9900e-08			
0.26000		2.3600e-07	5.7500e-08	4.5200e-08	2.5600e-08	2.5000e-07	
		5.2400e-07	1.4400e-07	2.2500e-06	8.7600e-08	5.4900e-07	
		3.0800e-08	9.4900e-07	3.6500e-08	9.9600e-08	3.0200e-07	
		8.1400e-08	3.0200e-07	8.1400e-08	8.9500e-08	7.4500e-08	
		3.9200e-07	7.5900e-07	3.8600e-08			
0.27000		2.4000e-07	6.7000e-08	4.1800e-08	2.7300e-08	2.5500e-07	
		5.2300e-07	1.4300e-07	2.4200e-06	8.3800e-08	5.4100e-07	
		2.9000e-08	9.9600e-07	3.4900e-08	1.1000e-07	2.9100e-07	
		7.9700e-08	2.9100e-07	7.9700e-08	9.0100e-08	6.9500e-08	
		4.1100e-07	7.8500e-07	3.0600e-08			
0.28000		2.3700e-07	6.5100e-08	4.6100e-08	2.4800e-08	2.7500e-07	5.3500e-
	07	1.4200e-07	2.4300e-06	8.7800e-08	5.5900e-07	2.8400e-08	1.1800e-
	06	3.6200e-08	1.1700e-07	2.5900e-07	8.6400e-08	2.5900e-07	8.6400e-
	08	8.6300e-08	6.9700e-08	4.0000e-07	7.8300e-07	3.1900e-08	
0.29000		2.3700e-07	5.3500e-08	4.1200e-08	2.7200e-08	2.6200e-07	5.5200e-
	07	1.4500e-07	2.7600e-06	9.1400e-08	5.6700e-07	2.8200e-08	1.0300e-
	06	3.7600e-08	9.6000e-08	2.7200e-07	7.9500e-08	2.7200e-07	7.9500e-
	08	8.7500e-08	7.8100e-08	4.1400e-07	8.0300e-07	3.4200e-08	
0.30000		2.4600e-07	5.3100e-08	4.4100e-08	2.3900e-08	2.6000e-07	5.6900e-
	07	1.3100e-07	2.8500e-06	9.8600e-08	6.1100e-07	2.7600e-08	1.0400e-
	06	3.5300e-08	9.9300e-08	2.8000e-07	8.0200e-08	2.8000e-07	8.0200e-
	08	8.5200e-08	7.9100e-08	4.3600e-07	8.2900e-07	4.3300e-08	
0.31000		2.5100e-07	5.8300e-08	4.0400e-08	2.4200e-08	2.4100e-07	5.6900e-
	07	1.2100e-07	2.7400e-06	1.0000e-07	6.4600e-07	2.8100e-08	1.2400e-
	06	3.7400e-08	8.6400e-08	2.9200e-07	8.0000e-08	2.9200e-07	8.0000e-
	08	7.1200e-08	8.3300e-08	3.8800e-07	8.5700e-07	3.7900e-08	
0.32000		2.4300e-07	6.8200e-08	3.9800e-08	2.2200e-08	2.4700e-07	5.7300e-
	07	1.2600e-07	3.2100e-06	1.1300e-07	6.5100e-07	2.7600e-08	1.2400e-
	06	3.8200e-08	8.8600e-08	3.1000e-07	7.9000e-08	3.1000e-07	7.9000e-
	08	7.3300e-08	8.4500e-08	4.0800e-07	8.9300e-07	3.4900e-08	
0.33000		2.4000e-07	4.0000e-08	3.6000e-08	2.4900e-08	2.3600e-07	5.7400e-
	07	1.2900e-07	3.3600e-06	8.4900e-08	6.7300e-07	2.7600e-08	1.3100e-
	06	3.6200e-08	9.1900e-08	3.0600e-07	7.8000e-08	3.0600e-07	7.8000e-
	08	6.5200e-08	8.3000e-08	4.0200e-07	9.2900e-07	3.2200e-08	
0.34000		2.2700e-07	3.8700e-08	3.4400e-08	1.9400e-08	2.2800e-07	5.8800e-
	07	1.2800e-07	3.1000e-06	8.9400e-08	7.0700e-07	2.6300e-08	1.2400e-
	06	3.9900e-08	8.3000e-08	3.1100e-07	7.4800e-08	3.1100e-07	7.4800e-
	08	6.4900e-08	9.2200e-08	4.0900e-07	9.8200e-07	4.0000e-08	
0.35000		2.2800e-07	4.7600e-08	3.5000e-08	1.9300e-08	2.3000e-07	5.7900e-
	07	1.2900e-07	3.0700e-06	1.0200e-07	6.9000e-07	2.6200e-08	1.1600e-
	06	3.8800e-08	8.5900e-08	2.9800e-07	7.3800e-08	2.9800e-07	7.3800e-
	08	6.0000e-08	8.8700e-08	4.4200e-07	9.4600e-07	5.1300e-08	
0.36000		2.3800e-07	4.3700e-08	4.0400e-08	1.7200e-08	2.3100e-07	5.8300e-
	07	1.1500e-07	3.3500e-06	9.8900e-08	7.3900e-07	2.5900e-08	1.1900e-
	06	3.4700e-08	7.9800e-08	3.1100e-07	7.2200e-08	3.1100e-07	7.2200e-
	08	6.1200e-08	9.1600e-08	3.3300e-07	9.6900e-07	4.9400e-08	
0.37000		2.3100e-07	5.5800e-08	2.7900e-08	1.8100e-08	2.2600e-07	6.0200e-
	07	1.1800e-07	3.3800e-06	1.0400e-07	7.2000e-07	2.6200e-08	1.2800e-

	06	3.5300e-08	7.9000e-08	2.9600e-07	6.8400e-08	2.9600e-07	6.8400e-
	08	6.3000e-08	9.4000e-08	3.3600e-07	9.7500e-07	5.0400e-08	
0.38000		2.3600e-07	5.8700e-08	3.7700e-08	1.6900e-08	1.9700e-07	6.1000e-
	07	1.2300e-07	3.2700e-06	1.0200e-07	7.3500e-07	2.6800e-08	1.2100e-
	06	3.5300e-08	9.4600e-08	3.0600e-07	6.9200e-08	3.0600e-07	6.9200e-
	08	5.6200e-08	9.9400e-08	3.3600e-07	9.8900e-07	5.3900e-08	
0.39000		2.2700e-07	6.5800e-08	3.0600e-08	1.7100e-08	1.9400e-07	6.2300e-
	07	1.2500e-07	3.8200e-06	9.9400e-08	7.9400e-07	2.7200e-08	1.2900e-
	06	3.4100e-08	6.8500e-08	3.0800e-07	6.9100e-08	3.0800e-07	6.9100e-
	08	5.8900e-08	1.0500e-07	3.2100e-07	1.0100e-06	4.8400e-08	
0.40000		2.3100e-07	6.0300e-08	3.4000e-08	1.6600e-08	1.8700e-07	6.3000e-
	07	1.1400e-07	3.5200e-06	1.1900e-07	7.1100e-07	2.6300e-08	1.3300e-
	06	3.3400e-08	6.3100e-08	3.1500e-07	6.9000e-08	3.1500e-07	6.9000e-
	08	5.7100e-08	1.0600e-07	3.2300e-07	1.1600e-06	5.2700e-08	
0.41000		2.4300e-07	4.4300e-08	2.8800e-08	1.6400e-08	1.8800e-07	5.9800e-
	07	1.1000e-07	3.6400e-06	1.0600e-07	7.5500e-07	2.1100e-08	1.2500e-
	06	3.3900e-08	5.8500e-08	3.0500e-07	7.0700e-08	3.0500e-07	7.0700e-
	08	5.9900e-08	1.3800e-07	3.0600e-07	1.1300e-06	5.4500e-08	
0.42000		2.5500e-07	5.3300e-08	3.6100e-08	1.7000e-08	1.8800e-07	6.0100e-
	07	1.0600e-07	3.8200e-06	1.1700e-07	7.6100e-07	1.8400e-08	1.2900e-
	06	3.2100e-08	5.2500e-08	3.1800e-07	6.6600e-08	3.1800e-07	6.6600e-
	08	5.2200e-08	1.8600e-07	3.0500e-07	1.1300e-06	5.7200e-08	
0.43000		2.4000e-07	4.0100e-08	2.8500e-08	1.4800e-08	1.8800e-07	5.9600e-
	07	1.0200e-07	3.7200e-06	1.0100e-07	7.8200e-07	1.8300e-08	1.3500e-
	06	3.2800e-08	5.5300e-08	3.1600e-07	6.6800e-08	3.1600e-07	6.6800e-
	08	5.1900e-08	1.7600e-07	3.8500e-07	1.1400e-06	5.8100e-08	
0.44000		2.0800e-07	3.9900e-08	2.3700e-08	1.4500e-08	1.8700e-07	6.0900e-
	07	1.0500e-07	3.4800e-06	9.8900e-08	7.2600e-07	1.7100e-08	1.3300e-
	06	3.3500e-08	4.8300e-08	3.3300e-07	6.6900e-08	3.3300e-07	6.6900e-
	08	4.6300e-08	2.1100e-07	4.2000e-07	1.1600e-06	6.1200e-08	
0.45000		2.0600e-07	3.8100e-08	2.0700e-08	1.3600e-08	1.8500e-07	6.4100e-
	07	9.4400e-08	3.1300e-06	1.5900e-07	7.4800e-07	1.6200e-08	1.3300e-
	06	3.1700e-08	3.7300e-08	3.2500e-07	6.9100e-08	3.2500e-07	6.9100e-
	08	5.0600e-08	1.7300e-07	3.0800e-07	1.1900e-06	6.2900e-08	
0.46000		2.0800e-07	2.9500e-08	1.7900e-08	1.2100e-08	1.6900e-07	6.0500e-
	07	8.8400e-08	3.2900e-06	1.6000e-07	6.4500e-07	1.6300e-08	1.2400e-
	06	3.2500e-08	3.8500e-08	3.2800e-07	6.5600e-08	3.2800e-07	6.5600e-
	08	4.4200e-08	1.9100e-07	2.9600e-07	1.1800e-06	5.9200e-08	
0.47000		2.0300e-07	2.9400e-08	2.1600e-08	1.1900e-08	1.7600e-07	5.8500e-
	07	8.8100e-08	3.4100e-06	1.5400e-07	6.9800e-07	1.7600e-08	1.2700e-
	06	3.0100e-08	3.9300e-08	3.3800e-07	6.7700e-08	3.3800e-07	6.7700e-
	08	3.9500e-08	1.9500e-07	2.7000e-07	1.3000e-06	6.1700e-08	
0.48000		1.9500e-07	4.0200e-08	1.7800e-08	1.1300e-08	1.5300e-07	5.8800e-
	07	9.4500e-08	3.1900e-06	1.3700e-07	7.3400e-07	1.6800e-08	1.3100e-
	06	2.8800e-08	3.6900e-08	3.4200e-07	7.0300e-08	3.4200e-07	7.0300e-
	08	3.5900e-08	2.0200e-07	2.8400e-07	1.3500e-06	6.2700e-08	
0.49000		1.9400e-07	4.0700e-08	1.6000e-08	1.1400e-08	1.6300e-07	5.8900e-
	07	9.3700e-08	3.3000e-06	1.5800e-07	6.4100e-07	1.6100e-08	1.2700e-
	06	3.0600e-08	3.4000e-08	3.5200e-07	6.2900e-08	3.5200e-07	6.2900e-
	08	3.4400e-08	2.0500e-07	2.9100e-07	1.3000e-06	5.8200e-08	
0.50000		1.8300e-07	4.2400e-08	1.3400e-08	1.2700e-08	1.5900e-07	6.0800e-

	07	9.1200e-08	3.0200e-06	1.6500e-07	7.1300e-07	1.4000e-08	1.2900e-
	06	2.8900e-08	3.4200e-08	3.5700e-07	5.8800e-08	3.5700e-07	5.8800e-
	08	3.1700e-08	1.4600e-07	2.8000e-07	1.3100e-06	5.8600e-08	
0.51000		1.6700e-07	3.7800e-08	1.3000e-08	1.0500e-08	1.4500e-07	6.5000e-
	07	8.8600e-08	3.0900e-06	1.5500e-07	6.5600e-07	1.4500e-08	1.2700e-
	06	2.8700e-08	3.2100e-08	3.6500e-07	5.5500e-08	3.6500e-07	5.5500e-
	08	3.1000e-08	1.4900e-07	2.6400e-07	1.2900e-06	5.8900e-08	
0.52000		1.6200e-07	3.2000e-08	1.3500e-08	1.0300e-08	1.5000e-07	5.9000e-
	07	8.6200e-08	3.5300e-06	1.4800e-07	6.7400e-07	1.2600e-08	1.3800e-
	06	2.9700e-08	3.2200e-08	3.7800e-07	5.6300e-08	3.7800e-07	5.6300e-
	08	2.8300e-08	1.5200e-07	2.5100e-07	1.3000e-06	5.8400e-08	
0.53000		1.6400e-07	2.6700e-08	1.2200e-08	8.9400e-09	1.4900e-07	5.8400e-
	07	8.5900e-08	3.0000e-06	1.2700e-07	6.4400e-07	1.1800e-08	1.4600e-
	06	2.5600e-08	3.1600e-08	3.8200e-07	4.2700e-08	3.8200e-07	4.2700e-
	08	2.8500e-08	1.9600e-07	2.4900e-07	1.2900e-06	6.7200e-08	
0.54000		1.5200e-07	1.9600e-08	1.2200e-08	9.5600e-09	1.5300e-07	5.9800e-
	07	9.3100e-08	3.0000e-06	1.1500e-07	6.8800e-07	1.5500e-08	1.3700e-
	06	2.5100e-08	3.1500e-08	3.8900e-07	4.0400e-08	3.8900e-07	4.0400e-
	08	2.6100e-08	1.5900e-07	2.2700e-07	1.2900e-06	6.5000e-08	
0.55000		1.4800e-07	4.1300e-08	1.5800e-08	8.1800e-09	1.3700e-07	5.9000e-
	07	9.4100e-08		1.2000e-07	7.2500e-07	1.0100e-08	1.4300e-
	06	2.6100e-08	2.4600e-08	4.0000e-07	3.8900e-08	4.0000e-07	3.8900e-
	08	2.5900e-08	1.5700e-07	2.2900e-07	1.3000e-06	7.2000e-08	
0.56000		1.3500e-07	2.7900e-08	1.4200e-08	7.4400e-09	1.4200e-07	5.8600e-
	07	8.8000e-08		1.2500e-07	7.3500e-07	1.0500e-08	1.1400e-
	06	2.4500e-08	2.3800e-08	4.1700e-07	3.6600e-08	4.1700e-07	3.6600e-
	08	2.6600e-08	1.6100e-07	2.0300e-07	1.3300e-06	6.6900e-08	
0.57000		1.4700e-07	2.7000e-08	1.2700e-08	6.3900e-09	1.3600e-07	5.6800e-
	07	9.0800e-08		2.2100e-07	7.4000e-07	1.1800e-08	1.1600e-
	06	2.2400e-08	2.2900e-08	4.1500e-07	3.5400e-08	4.1500e-07	3.5400e-
	08	2.5300e-08	1.6500e-07	1.6200e-07	1.3500e-06	7.2100e-08	
0.58000		1.5100e-07	1.5600e-08	1.3300e-08	8.4000e-09	1.3600e-07	5.6500e-
	07	8.1800e-08		1.6600e-07	7.6600e-07	1.0400e-08	1.0800e-
	06	2.1700e-08	2.0300e-08	4.2900e-07	3.6900e-08	4.2900e-07	3.6900e-
	08	2.1700e-08	1.7300e-07	1.6800e-07	1.3800e-06	4.8000e-08	
0.59000		1.5500e-07	1.4800e-08	1.3800e-08	7.9700e-09	1.2000e-07	5.5900e-
	07	7.5200e-08		1.3800e-07	8.2700e-07	9.5900e-09	1.1200e-
	06	2.0500e-08	1.9500e-08	4.3800e-07	3.6100e-08	4.3800e-07	3.6100e-
	08	2.3100e-08	1.3700e-06	1.5300e-07	1.3600e-06	4.6700e-08	
0.60000		1.5100e-07	1.6600e-08	1.2500e-08	8.4600e-09	1.2400e-07	5.5400e-
	07	7.3800e-08	1.3800e-07	7.4800e-07	9.7500e-09	1.1000e-06	2.0000e-
	08	1.8700e-08	4.4500e-07	3.8400e-08	4.4500e-07	3.8400e-08	2.3300e-
	08	1.7000e-07	1.5100e-07	1.3500e-06	5.3400e-08		
0.61000		1.4000e-07	1.6200e-08	1.1700e-08	7.8400e-09	1.2000e-07	5.7000e-
	07	7.1300e-08	1.4600e-07	7.5200e-07	6.3000e-09	1.1000e-06	2.1000e-
	08	1.9600e-08	4.5300e-07	3.7900e-08	4.5300e-07	3.7900e-08	2.2600e-
	08	1.8000e-07	1.4300e-07	1.3800e-06	5.1800e-08		
0.62000		1.3200e-07	1.3300e-08	1.2500e-08	6.9300e-09	1.2300e-07	5.8600e-
	07	6.9000e-08	1.1700e-07	9.2400e-07	6.1100e-09	1.0700e-06	2.0900e-
	08	1.7700e-08	4.5100e-07	3.8300e-08	4.5100e-07	3.8300e-08	2.0400e-
	08	1.8100e-07	1.4800e-07	1.3800e-06	5.2400e-08		

0.63000		1.2800e-07	1.3900e-08	1.1500e-08	6.6800e-09	1.2300e-07	6.3500e-
	07	6.8300e-08	1.2600e-07	8.4200e-07	7.9200e-09	1.0200e-06	2.0100e-
	08	1.7900e-08	4.5700e-07	3.9000e-08	4.5700e-07	3.9000e-08	1.9600e-
	08	1.8300e-07	1.5000e-07	1.4000e-06	6.2100e-08		
0.64000		1.1900e-07	1.7600e-08	1.1500e-08	6.2100e-09	1.2100e-07	7.0700e-
	07	6.7300e-08	1.3500e-07	9.4500e-07	6.0700e-09	1.0800e-06	2.0300e-
	08	1.6900e-08	4.6300e-07	3.9000e-08	4.6300e-07	3.9000e-08	1.9700e-
	08	1.8600e-07	1.2800e-07	1.3900e-06	6.0000e-08		
0.65000		1.0600e-07	1.8100e-08	1.0400e-08	5.0900e-09	1.1600e-07	8.3200e-
	07	6.3700e-08	1.3700e-07	1.9000e-06	5.0600e-09	1.0100e-06	1.9300e-
	08	1.7400e-08	4.6900e-07	3.8500e-08	4.6900e-07	3.8500e-08	1.9300e-
	08	1.9700e-07	1.1700e-07	1.4200e-06	5.9500e-08		
0.66000		1.0000e-07	1.3800e-08	1.1200e-08	5.1800e-09	1.1600e-07	8.9600e-
	07	6.4500e-08	1.1800e-07	3.1100e-06	5.6100e-09	1.0400e-06	1.9600e-
	08	1.6300e-08	4.8400e-07	3.9000e-08	4.8400e-07	3.9000e-08	1.8600e-
	08	2.3000e-07	1.2300e-07	1.5300e-06	5.4100e-08		
0.67000		8.6300e-08	1.3700e-08	1.1200e-08	5.6100e-09	1.1500e-07	1.1000e-
	06	6.0200e-08	8.4300e-08	3.6400e-06	4.8200e-09	1.0600e-06	1.4700e-
	08	1.5500e-08	4.8800e-07	3.9200e-08	4.8800e-07	3.9200e-08	1.5600e-
	08	2.6500e-07	1.2800e-07	1.4800e-06	6.6600e-08		
0.68000		8.5200e-08	1.2400e-08	1.1100e-08	5.4100e-09	1.1000e-07	1.1300e-
	06	5.3400e-08	7.1000e-08	5.2000e-09	9.0100e-07	1.6800e-08	1.5600e-
	08	5.0700e-07	4.7600e-08	5.0700e-07	4.7600e-08	1.4500e-08	3.0000e-
	07	1.5000e-07	1.4500e-06	6.7100e-08			
0.69000		8.6400e-08	1.2100e-08	1.1100e-08	5.0400e-09	1.0500e-07	1.3300e-
	06	5.4200e-08		6.4600e-08		4.6800e-09	6.4500e-
	07	1.3700e-08	1.5400e-08	5.1900e-07	3.8000e-08	5.1900e-07	3.8000e-
	08	1.3800e-08	3.6700e-07	1.2500e-07	1.5700e-06	5.5900e-08	
0.70000		6.9500e-08	1.1200e-08	1.2200e-08	4.8300e-09	1.0700e-07	1.9500e-
	06	5.3900e-08		6.3500e-08		5.1100e-09	4.7300e-
	07	1.6200e-08	1.4300e-08	5.2800e-07	4.3200e-08	5.2800e-07	4.3200e-
	08	1.4200e-08	4.2400e-07	1.2100e-07	1.5600e-06	1.0000e-07	
0.71000		7.0900e-08	1.1800e-08	1.0500e-08	4.7700e-09	1.0500e-07	2.0300e-
	06	5.6400e-08		5.3400e-08		4.5400e-09	6.3400e-
	07	1.4000e-08	1.6400e-08	5.4200e-07	4.8400e-08	5.4200e-07	4.8400e-
	08	1.4200e-08	4.5400e-07	1.0800e-07	1.5100e-06	9.8500e-07	
0.72000		7.1400e-08	1.0500e-08	1.0900e-08	4.5300e-09	1.0600e-07	1.9700e-
	06	5.4900e-08		6.3200e-08		4.2800e-09	5.7200e-
	07	1.4800e-08	1.6200e-08	5.7900e-07	5.9100e-08	5.7900e-07	5.9100e-
	08	1.2800e-08	4.5000e-07	1.1300e-07	1.5500e-06	3.9400e-07	
0.73000		7.1000e-08	1.0400e-08	8.9800e-09	4.6800e-09	1.0800e-07	2.5600e-
	06	5.3100e-08		5.6000e-08		3.9400e-09	5.6800e-
	07	1.5300e-08	1.6700e-08	6.9700e-07	6.0600e-08	6.9700e-07	6.0600e-
	08	1.3700e-08	4.7900e-07	1.0600e-07	1.7100e-06	2.4700e-08	
0.74000		8.2500e-08	1.4100e-08	9.4000e-09	4.5500e-09	1.0100e-07	3.1600e-
	06	5.2900e-08		5.1400e-08		3.4300e-09	5.4300e-
	07	1.4900e-08	1.5600e-08	1.0600e-06	4.4600e-08	1.0600e-06	4.4600e-
	08	1.5600e-08	4.7100e-07	8.5000e-08	2.2400e-06	2.5200e-09	
0.75000		8.0200e-08	1.3300e-08	1.1700e-08	3.8600e-09	1.0300e-07	3.3700e-
	06	5.3100e-08		5.1000e-08		4.6000e-09	6.0000e-
	07	1.4000e-08	1.5700e-08	1.1600e-06	4.8000e-08	1.1600e-06	4.8000e-
	08	1.2400e-08	4.9800e-07	1.0100e-07	4.0900e-06	6.7000e-09	

0.76000	06	6.9600e-08	1.4600e-08	8.1500e-09	4.5200e-09	9.7600e-08	4.0900e-
	07	5.1800e-08		5.0900e-08		4.0200e-09	6.3200e-
	08	1.3300e-08	1.7900e-08	1.3300e-06	4.1400e-08	1.3300e-06	4.1400e-
0.77000		1.1700e-08	5.2300e-07	9.0100e-08	4.9800e-06	4.1000e-10	
	06	6.5500e-08	1.0200e-08	8.3400e-09	4.3400e-09	9.6700e-08	4.7200e-
	07	5.5200e-08		5.5100e-08		4.1300e-09	6.5300e-
0.78000	08	1.2400e-08	1.4600e-08	1.6500e-06	3.7800e-08	1.6500e-06	3.7800e-
		1.1900e-08	4.6400e-07	8.3000e-08	6.6500e-06	4.7100e-09	
	06	6.9900e-08	1.1400e-08	8.9500e-09	4.4800e-09	9.6400e-08	5.6400e-
0.79000	07	5.2700e-08		5.6000e-08		3.5600e-09	6.1900e-
	08	1.5200e-08	1.4100e-08	1.8500e-06	3.7000e-08	1.8500e-06	3.7000e-
		1.3900e-08	4.9800e-07	8.0000e-08	8.1900e-06	4.1500e-08	
0.79000	06	6.7600e-08	1.2600e-08	1.1100e-08	4.8800e-09	9.1400e-08	6.7300e-
	07	5.0900e-08		5.2300e-08		4.6500e-09	5.6900e-
	08	1.3800e-08	1.2400e-08	2.3200e-06	3.6900e-08	2.3200e-06	3.6900e-
0.80000		1.1200e-08	4.7400e-07	8.5300e-08	1.1700e-05	5.4100e-08	
	06	6.1500e-08	1.1700e-08	1.0200e-08	4.5000e-09	9.9800e-08	6.9700e-
	07	5.4500e-08		5.5500e-08		4.2700e-09	5.3200e-
0.81000	08	1.3300e-08	1.5400e-08	3.6200e-06	3.4200e-08	3.6200e-06	3.4200e-
		1.2700e-08	4.6900e-07	7.9100e-08	1.2400e-05	1.1000e-08	
	06	7.1000e-08	1.2700e-08	8.7900e-09	4.1500e-09	9.8400e-08	7.7600e-
0.82000	07	7.4100e-08		7.6300e-08		4.6600e-09	
	08	1.4700e-08	1.4000e-08	3.9700e-06	3.6900e-08	3.9700e-06	3.6900e-
		1.3000e-08	3.5900e-07	7.5500e-08	1.4800e-05	1.3700e-08	
0.82000	06	7.4000e-08	1.3700e-08	7.9200e-09	4.0400e-09	9.6500e-08	8.0600e-
	07	6.2300e-08		5.7900e-08		4.9900e-09	
	08	1.5500e-08	1.5700e-08	4.5600e-06	3.5600e-08	4.5600e-06	3.5600e-
0.83000		1.0400e-08	3.8900e-07	7.5700e-08	1.5500e-05	1.6000e-08	
	06	8.0500e-08	1.4000e-08	6.2100e-09	4.1000e-09	1.0300e-07	8.8000e-
	07	6.4500e-08		6.6100e-08		4.6700e-09	
0.84000	08	1.6900e-08	1.3900e-08	5.5100e-06	3.4300e-08	5.5100e-06	3.4300e-
		1.2200e-08	4.1100e-07	6.9700e-08	2.0800e-05	2.6300e-10	
	05	6.4900e-08	1.5100e-08	7.5100e-09	4.1000e-09	1.0900e-07	1.0100e-
0.85000	06	6.3300e-08		6.4200e-08		5.7300e-09	
	08	2.0800e-08	1.6300e-08	6.1200e-06	3.3900e-08	6.1200e-06	3.3900e-
		1.1100e-08	3.6600e-07	6.7100e-08	2.4300e-05	1.6900e-10	
0.85000	05	8.4100e-08	1.1800e-08	7.6500e-09	4.4300e-09	1.1100e-07	1.0600e-
	06	6.0400e-08		7.1700e-08		5.8400e-09	
	08	1.6100e-08	1.3800e-08	7.0300e-06	3.7800e-08	7.0300e-06	3.7800e-
0.86000		1.1200e-08	4.0800e-07	6.2800e-08	2.4700e-05	2.6200e-06	
	05	7.3200e-08	1.6600e-08	9.3400e-09	4.7500e-09	1.1300e-07	1.2000e-
	06	6.3800e-08		6.4800e-08		5.6900e-09	
0.87000	08	1.5200e-08	1.3400e-08	7.7500e-06	4.0500e-08	7.7500e-06	4.0500e-
		1.3800e-08	4.1000e-07	6.0100e-08	2.9100e-05	7.9400e-11	
	05	6.8800e-08	1.3600e-08	8.4400e-09	5.5000e-09	1.1400e-07	1.3500e-
0.87000	06	6.7700e-08		8.0300e-08		8.2000e-09	
	08	2.2800e-08	1.6800e-08	8.2000e-06	4.3400e-08	8.2000e-06	4.3400e-
		1.3700e-08	4.4700e-07	6.2100e-08	3.1900e-05	1.9600e-10	
0.88000	05	6.3200e-08	1.3400e-08	8.9100e-09	5.9200e-09	1.1700e-07	1.2100e-
	06	6.7000e-08		6.8300e-08		1.3100e-08	
	08	2.8900e-08	1.8700e-08	7.9200e-06	4.2900e-08	7.9200e-06	4.2900e-

	08	1.2700e-08	4.7700e-07	6.6900e-08		3.5800e-11	
0.89000		6.2000e-08	1.3000e-08	1.0400e-08	5.9200e-09	1.2800e-07	1.3500e-
	05	6.8000e-08		7.2900e-08		8.5500e-09	
		1.7500e-08	1.9200e-08	8.6600e-06	4.2200e-08	8.6600e-06	4.2200e-
	08	1.2800e-08	5.3000e-07	7.7200e-08		2.4400e-10	
0.90000		6.6000e-08	1.8800e-08	7.5900e-09	6.1000e-09	1.3200e-07	1.2000e-
	05	7.5000e-08		6.6400e-08		1.0300e-08	
		1.5200e-08	2.0700e-08	7.9700e-06	5.0100e-08	7.9700e-06	5.0100e-
	08	1.1600e-08	6.5300e-07	7.4800e-08		9.7400e-11	
0.91000		6.8000e-08	1.5200e-08	7.9200e-09	7.2100e-09	1.4000e-07	1.1800e-
	05	7.3500e-08		6.6100e-08		1.1000e-08	
		1.6200e-08	2.0300e-08	7.9900e-06	4.4200e-08	7.9900e-06	4.4200e-
	08	1.3600e-08	7.8900e-07	8.1000e-08		7.7500e-11	
0.92000		6.9200e-08	1.5700e-08	1.0200e-08	8.1000e-09	1.5200e-07	1.1800e-
	05	7.8600e-08		6.0800e-08		9.6400e-09	
		2.3300e-08	1.9400e-08	8.5200e-06	4.3700e-08	8.5200e-06	4.3700e-
	08	1.6900e-08	9.1300e-07	7.0700e-08		6.9100e-11	
0.93000		7.4600e-08	1.6800e-08	1.1300e-08	8.1300e-09	1.6500e-07	1.2400e-
	05	7.6400e-08		7.1800e-08		1.1500e-08	
		2.0100e-08	2.6400e-08	8.4100e-06	4.1200e-08	8.4100e-06	4.1200e-
	08	1.0300e-08	1.1700e-06	6.8600e-08		1.8800e-10	
0.94000		6.6500e-08	2.2100e-08	1.1000e-08	1.0200e-08	1.6700e-07	1.1500e-
	05	8.2600e-08		7.4800e-08		1.3800e-08	
		2.5700e-08	2.5300e-08	8.1300e-06	4.7100e-08	8.1300e-06	4.7100e-
	08	1.2500e-08	1.3100e-06	7.5300e-08		1.9500e-10	
0.95000		7.3300e-08	2.4800e-08	1.4200e-08	1.5800e-08	1.9800e-07	1.1100e-
	05	9.2300e-08		7.0700e-08		1.5900e-08	
		3.1300e-08	2.6300e-08	8.0400e-06	5.5800e-08	8.0400e-06	5.5800e-
	08	1.0100e-08	1.4500e-06	6.9000e-08		5.3500e-10	
0.96000		8.0300e-08	1.5900e-08	1.2200e-08	1.3100e-08	1.9600e-07	1.1300e-
	05	9.0200e-08		7.5700e-08		2.0500e-08	
		2.9100e-08	3.2000e-08	7.9100e-06	5.2100e-08	7.9100e-06	5.2100e-
	08	1.2700e-08	1.6300e-06	7.4400e-08		1.1400e-09	
0.97000		8.3700e-08	2.2700e-08	1.4800e-08	1.4800e-08	2.1200e-07	1.0200e-
	05	1.4100e-07		7.5300e-08		1.9100e-08	
		2.9400e-08	5.8600e-08	7.9800e-06	5.4600e-08	7.9800e-06	5.4600e-
	08	1.2000e-08	1.9500e-06	8.3400e-08		1.9400e-10	
0.98000		9.0200e-08	2.0400e-08	1.1700e-08	1.6300e-08	2.4000e-07	9.8900e-
	06	1.1100e-07		8.1200e-08		1.7700e-08	
		2.8500e-08	5.9500e-08	7.8900e-06	6.3100e-08	7.8900e-06	6.3100e-
	08	1.2000e-08	2.0100e-06	9.8600e-08		1.1100e-10	
0.99000		1.0000e-07	2.5000e-08	2.1500e-08	1.6200e-08	2.5900e-07	9.7100e-
	06	1.2600e-07		8.3800e-08		2.1500e-08	
		4.2200e-08	5.9500e-08	7.8800e-06	7.4000e-08	7.8800e-06	7.4000e-
	08	1.7200e-08	1.9000e-06	9.3000e-08		7.3500e-11	
1.0000		8.5900e-08	2.2200e-08	1.9100e-08	1.8500e-08	2.7700e-07	9.8500e-
	06	1.3800e-07		9.5600e-08		1.5400e-08	
		4.5000e-08	6.7300e-08	7.4200e-06	1.7700e-07	7.4200e-06	1.7700e-
	07	1.7700e-08	1.8900e-06	1.1200e-07		1.4900e-10	
1.0100		1.1100e-07	2.9600e-08	2.0000e-08	1.6500e-08	3.0900e-07	9.5700e-
	06	1.3000e-07		1.2600e-07			

			6.8500e-08	7.6200e-06		7.6200e-06	
1.0200	06	1.2800e-07 1.3400e-07	3.6400e-08	2.0000e-08 1.2100e-07	2.4500e-08	3.0800e-07	9.9500e-
			6.0500e-08	7.6300e-06		7.6300e-06	
1.0300	06	1.2000e-07 1.3700e-07	3.8000e-08	2.0400e-08 1.2900e-07	2.3900e-08	3.5900e-07	9.4900e-
			6.6100e-08	7.5000e-06		7.5000e-06	
1.0400	06	1.4000e-07 1.4800e-07	3.2400e-08	2.3100e-08 1.5200e-07	2.9400e-08	3.8300e-07	9.6200e-
			7.8800e-08	7.7000e-06		7.7000e-06	
1.0500	06	2.0200e-07 1.9600e-07	4.1100e-08	3.6800e-08 1.3600e-07	2.8500e-08	4.1800e-07	9.4900e-
			8.7200e-08	7.5900e-06		7.5900e-06	
1.0600	05	1.5300e-07 1.8700e-07	3.8700e-08	3.2900e-08 1.4200e-07	2.7300e-08	5.2300e-07	1.0100e-
			1.0600e-07	7.6900e-06		7.6900e-06	
1.0700	06	1.3800e-07 3.5600e-07	3.6900e-08	3.0100e-08 1.5700e-07	3.0200e-08	6.1300e-07	9.7100e-
			9.5300e-08	7.9800e-06		7.9800e-06	
1.0800	05	1.6700e-07 3.7800e-07	4.2800e-08	3.2500e-08 1.7500e-07	3.0800e-08	6.0000e-07	1.0200e-
			9.1500e-08				
1.0900		1.6500e-07 4.4400e-07	5.8000e-08	3.9600e-08 1.9800e-07	3.6100e-08	6.8100e-07	
			9.8200e-08				
1.1000		1.4900e-07 4.7900e-07	4.9200e-08	4.3500e-08 1.7200e-07	3.9000e-08	7.2600e-07	
			1.1500e-07				
1.1100		1.5300e-07 5.2500e-07	6.6600e-08	3.2300e-08 1.8500e-07	3.8300e-08	7.4000e-07	
			1.0500e-07				
1.1200		1.7200e-07 5.1000e-07	6.5800e-08	5.8000e-08 1.8900e-07	4.3200e-08	8.6400e-07	
			1.2800e-07				
1.1300		2.0500e-07 5.9100e-07	6.6800e-08	4.4600e-08 1.9800e-07	4.6000e-08	9.3100e-07	
			1.3000e-07				
1.1400		1.8400e-07 6.1800e-07	7.1500e-08	4.9200e-08 2.0900e-07	5.2800e-08	1.0200e-06	
			1.4100e-07				
1.1500		2.5100e-07 6.5800e-07	7.4200e-08	3.9200e-08 2.2600e-07	6.0100e-08	1.0800e-06	
			1.7000e-07				
1.1600		2.0800e-07 7.0800e-07	8.5500e-08	3.5100e-08 2.3000e-07	5.8700e-08	1.2100e-06	
			1.8000e-07				
1.1700		2.1600e-07	7.0200e-08	5.8900e-08 2.6200e-07	6.1900e-08	1.3000e-06	
			1.6200e-07				
1.1800		2.0900e-07	6.8600e-08	5.9900e-08 2.7000e-07	6.2600e-08	1.4200e-06	
			1.7900e-07				
1.1900		2.2600e-07	7.6400e-08	6.0200e-08 2.8500e-07	6.6600e-08	1.5100e-06	
			1.8900e-07				
1.2000		2.7800e-07	8.3200e-08	4.8600e-08 2.9900e-07	7.5900e-08	1.5600e-06	

1.2100	2.3800e-07	2.0000e-07 8.3100e-08	5.6400e-08 3.3600e-07	7.5000e-08	1.7100e-06
1.2200	2.7900e-07	2.3600e-07 8.5700e-08	7.4000e-08 3.3500e-07	7.9100e-08	1.8600e-06
1.2300	2.7900e-07	2.2900e-07 7.9500e-08	7.2500e-08 3.6700e-07	8.5500e-08	1.9300e-06
1.2400	2.6600e-07	2.1700e-07 7.8500e-08	7.5800e-08 3.5400e-07	9.7900e-08	2.0200e-06
1.2500	2.5900e-07	2.4100e-07 1.1100e-07	7.9800e-08 3.3400e-07	1.1200e-07	2.0500e-06
1.2600	2.7300e-07	2.4900e-07 8.3800e-08	8.1100e-08 3.0500e-07	1.0100e-07	2.2400e-06
1.2700	2.8100e-07	2.6400e-07 1.0500e-07	1.0400e-07 3.2300e-07	1.1500e-07	2.5900e-06
1.2800	2.8100e-07	2.5600e-07 8.7900e-08	1.0500e-07 3.5600e-07	1.3400e-07	2.7800e-06
1.2900	3.3200e-07	2.6100e-07 9.9300e-08	1.3200e-07 3.5800e-07	1.4800e-07	3.0100e-06
1.3000	2.9400e-07	2.6300e-07 1.0700e-07	1.8200e-07 3.8600e-07	1.1600e-07	3.0900e-06
1.3100	3.3200e-07	3.1700e-07 1.1600e-07	1.1200e-07 3.9400e-07	1.2100e-07	3.1800e-06
1.3200	3.5300e-07	3.1000e-07 1.2500e-07	1.1700e-07 4.4200e-07	1.4600e-07	3.4200e-06
1.3300	3.6700e-07	3.1500e-07 1.3800e-07	1.0300e-07 3.6500e-07	1.5100e-07	3.6600e-06
1.3400	1.4400e-07	3.6100e-07 1.2800e-07 3.7500e-07	1.6400e-07	3.8100e-06	
1.3500	3.3300e-07 1.2200e-07	1.3400e-07 5.4700e-07	1.6200e-07		
1.3600	3.4200e-07 1.4600e-07	1.0800e-07 6.1400e-07	1.8200e-07		
1.3700	3.9900e-07 1.4600e-07	1.2800e-07 6.2000e-07	1.9300e-07		
1.3800	3.7900e-07 1.6700e-07	1.3500e-07 5.5000e-07	1.8400e-07		
1.3900	4.1700e-07 1.9400e-07	1.4800e-07 6.4700e-07	1.9600e-07		
1.4000	4.8200e-07 2.0500e-07	1.6100e-07 7.0100e-07	2.1300e-07		
1.4100	5.4300e-07 1.8400e-07 4.3500e-07	1.7600e-07 7.0400e-07	2.0900e-07		

1.4200	2.1800e-07	1.7000e-07	2.0100e-07
	4.6100e-07	6.8700e-07	
1.4300	1.9300e-07	4.3100e-07	2.2500e-07
	5.4800e-07	6.9400e-07	
1.4400	1.9100e-07	4.3300e-07	2.6700e-07
1.4500	2.0600e-07	4.1400e-07	2.6100e-07
	5.6400e-07		
1.4600	2.2800e-07	4.5200e-07	2.9800e-07
	5.8900e-07		
1.4700	2.3500e-07	4.5700e-07	2.7700e-07
	6.7400e-07		
1.4800	2.4700e-07	4.3800e-07	3.2000e-07
	6.1900e-07		
1.4900	2.6100e-07	4.8600e-07	3.2500e-07
	6.6000e-07		
1.5000	2.3400e-07	5.0400e-07	3.6000e-07
	7.0900e-07		
1.5100	2.7200e-07	5.2000e-07	3.6100e-07
1.5200	3.0900e-07	5.1300e-07	4.0600e-07
1.5300		5.3000e-07	4.2700e-07
1.5400		6.8300e-07	4.8200e-07
1.5500		5.8200e-07	4.1200e-07
1.5600		5.8800e-07	4.7100e-07
1.5700		5.5500e-07	4.8900e-07
1.5800		6.6600e-07	4.8100e-07
1.5900			5.6200e-07
1.6000			5.5500e-07
1.6100			6.0000e-07
1.6200			6.2000e-07
1.6300			5.8500e-07
1.6400			6.7800e-07
1.6500			7.5400e-07
1.6600			8.6600e-07
1.6700			9.3500e-07
1.6800			9.5500e-07
1.6900			1.1100e-06

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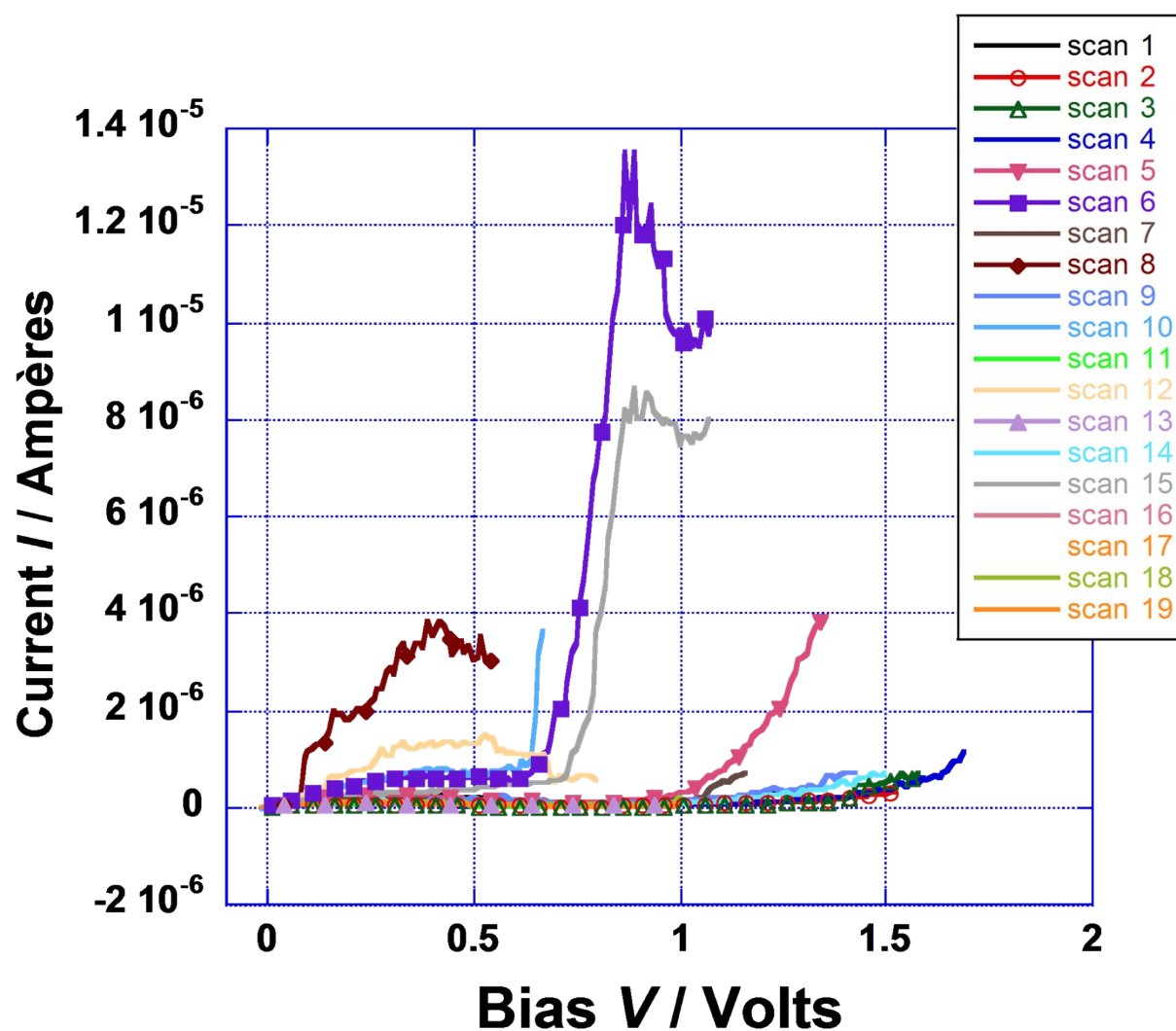


Figure 3. Initial evaluation

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Figures 4A to 4E and original data for Sandwich #1

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Voltage (volts) - Current (microAmpères) data for Figure 4A: contact 1: negative to positive bias.

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Bias / Volts	scan 1 scan 6 scan 11 scan 16	scan 2 Scan 7 scan 12 scan 17	scan 3 scan 9 scan 13 scan 18	scan 4 scan 10 scan 14 scan 19	scan 5 scan 10 scan 15 scan 20
--1.0000	-0.0091000 0.0067900 0.0012500 -0.00091900	-0.0046700 -0.0029500 -0.0013000 -0.00099000	-0.0043400 -0.0014700 -0.0010100 -0.00082600	-0.0069800 -0.0013600 -0.0010200 -0.00083600	-0.0019000 - -0.0012300 - -0.00099600 -0.00074800
-0.99000	-0.0094200 0.0062400 0.0012200 -0.00086800	-0.0044200 -0.0032300 -0.0012500 -0.00089700	-0.0038900 -0.0014100 -0.00096300 -0.00078300	-0.0064700 -0.0012800 -0.00096800 -0.00078800	-0.0018200 - -0.0011700 - -0.00096800 -0.00071100
-0.98000	-0.0085700	-0.0043000	-0.0038500	-0.0063200	-0.0017000 -

	0.0057700	-0.0030800	-0.0013400	-0.0012300	-0.0011200 -
	0.0011300	-0.0011800	-0.00091100	-0.00094400	-0.00091500
	-0.00082700	-0.00085100	-0.00073500	-0.00075700	-0.00067400
-0.97000	-0.0080200	-0.0041800	-0.0038100	-0.0063300	-0.0016400 -
	0.0056000	-0.0028400	-0.0012500	-0.0011600	-0.0010700 -
	0.0010500	-0.0011400	-0.00085200	-0.00088300	-0.00085600
	-0.00079200	-0.00079600	-0.00068800	-0.00070800	-0.00062900
-0.96000	-0.0074700	-0.0038400	-0.0039000	-0.0056800	-0.0017300 -
	0.0049000	-0.0015100	-0.0011900	-0.0011000	-0.00099800
	-0.0010100	-0.0010700	-0.00081200	-0.00082700	-0.00080600
	-0.00075200	-0.00077700	-0.00064800	-0.00064700	-0.00058700
-0.95000	-0.0067100	-0.0038900	-0.0036300	-0.0055600	-0.0016600 -
	0.0045800	-0.0014400	-0.0011100	-0.0010500	-0.00092600
	-0.00095800	-0.0010300	-0.00076000	-0.00077700	-0.00077500
	-0.00070900	-0.00073700	-0.00061600	-0.00060000	-0.00055600
-0.94000	-0.0065000	-0.0043200	-0.0034000	-0.0053700	-0.0014100 -
	0.0046200	-0.0013600	-0.0010600	-0.00099500	-0.00088500
	-0.00091500	-0.00097600	-0.00071600	-0.00074300	-0.00074900
	-0.00066900	-0.00070600	-0.00059000	-0.00057500	-0.00053200
-0.93000	-0.0066500	-0.0037400	-0.0032500	-0.0052000	-0.0013700 -
	0.0042700	-0.0013100	-0.0010200	-0.00094200	-0.00084500
	-0.00088000	-0.00092400	-0.00067800	-0.00069800	-0.00070300
	-0.00064500	-0.00064300	-0.00054700	-0.00053900	-0.00050700
-0.92000	-0.0067600	-0.0035900	-0.0032100	-0.0049000	-0.0012700 -
	0.0047300	-0.0012600	-0.00096900	-0.00089100	-0.00079700
	-0.00085000	-0.00088800	-0.00064900	-0.00066500	-0.00067200
	-0.00061400	-0.00063500	-0.00051600	-0.00051800	-0.00046800
-0.91000	-0.0062200	-0.0033500	-0.0029900	-0.0036800	-0.0012100 -
	0.0045500	-0.0012000	-0.00092600	-0.00082900	-0.00076400
	-0.00080400	-0.00085600	-0.00060900	-0.00061200	-0.00063300
	-0.00058500	-0.00060700	-0.00048700	-0.00048700	-0.00045000
-0.90000	-0.0059000	-0.0032300	-0.0029600	-0.0035200	-0.0012000 -
	0.0044500	-0.0011500	-0.00087100	-0.00078800	-0.00074800
	-0.00079200	-0.00079800	-0.00057300	-0.00059600	-0.00059500
	-0.00054900	-0.00057100	-0.00046200	-0.00046200	-0.00042100
-0.89000	-0.0058800	-0.0031300	-0.0027400	-0.0034500	-0.0011200 -
	0.0040200	-0.0011800	-0.00079900	-0.00075500	-0.00069000
	-0.00074100	-0.00076400	-0.00054300	-0.00056700	-0.00056200
	-0.00053700	-0.00053500	-0.00043500	-0.00043500	-0.00040100
-0.88000	-0.0055100	-0.0029900	-0.0025400	-0.0033100	-0.0011000 -
	0.0039900	-0.0011200	-0.00074400	-0.00071500	-0.00068400
	-0.00067800	-0.00073900	-0.00051600	-0.00053100	-0.00053500
	-0.00051600	-0.00052200	-0.00041100	-0.00040700	-0.00037100
-0.87000	-0.0054600	-0.0029200	-0.0025600	-0.0031600	-0.0010200 -
	0.0038100	-0.0010600	-0.00072800	-0.00068100	-0.00064800
	-0.00064100	-0.00070700	-0.00048500	-0.00051500	-0.00050300
	-0.00048500	-0.00050000	-0.00038500	-0.00038900	-0.00035300
-0.86000	-0.0052000	-0.0027100	-0.0023900	-0.0033400	-0.00097500
	-0.0038600	-0.0010300	-0.00068800	-0.00064100	-0.00061100
	-0.00061400	-0.00067200	-0.00045600	-0.00047800	-0.00048000
	-0.00045100	-0.00047900	-0.00036600	-0.00036800	-0.00033200
-0.85000	-0.0050400	-0.0023900	-0.0024100	-0.0032100	-0.00094000
	-0.0034600	-0.0010100	-0.00066900	-0.00062500	-0.00054900
	-0.00056700	-0.00061900	-0.00043300	-0.00045900	-0.00045400
	-0.00044300	-0.00045600	-0.00034000	-0.00034800	-0.00031400
-0.84000	-0.0048600	-0.0023900	-0.0022600	-0.0030200	-0.00086700
	-0.0033800	-0.00096700	-0.00064100	-0.00057300	-0.00053900
	-0.00056600	-0.00058300	-0.00041100	-0.00044000	-0.00042700
	-0.00042100	-0.00043000	-0.00033100	-0.00032800	-0.00030200
-0.83000	-0.0047000	-0.0023500	-0.0021900	-0.0029800	-0.00083400
	-0.0032800	-0.00093400	-0.00060300	-0.00055500	-0.00051200
	-0.00049100	-0.00055200	-0.00038400	-0.00041800	-0.00037600
	-0.00040200	-0.00040800	-0.00031100	-0.00031200	-0.00028400
-0.82000	-0.0045100	-0.0022700	-0.0020500	-0.0029100	-0.00078900

	-0.0031300	-0.00088100	-0.00057700	-0.00053100	-0.00047900
	-0.00047400	-0.00052800	-0.00036300	-0.00040100	-0.00037700
	-0.00038100	-0.00038800	-0.00029900	-0.00029200	-0.00026800
-0.81000	-0.0043600	-0.0021600	-0.0018800	-0.0027300	-0.00076000
	-0.0026900	-0.00085700	-0.00053900	-0.00050900	-0.00044800
	-0.00046000	-0.00050900	-0.00034600	-0.00037500	-0.00035700
	-0.00035900	-0.00037800	-0.00028000	-0.00028300	-0.00025300
-0.80000	-0.0042400	-0.0020400	-0.0019200	-0.0030700	-0.00072400
	-0.0027000	-0.00081500	-0.00051400	-0.00048300	-0.00041300
	-0.00045000	-0.00047500	-0.00032900	-0.00035900	-0.00034300
	-0.00033900	-0.00035500	-0.00026400	-0.00026700	-0.00024300
-0.79000	-0.0041200	-0.0019600	-0.0018700	-0.0026000	-0.00069600
	-0.0026100	-0.00079700	-0.00049000	-0.00045700	-0.00040500
	-0.00043000	-0.00043700	-0.00030900	-0.00033800	-0.00032300
	-0.00032000	-0.00034200	-0.00025400	-0.00025200	-0.00023000
-0.78000	-0.0038500	-0.0018700	-0.0017900	-0.0022100	-0.00066400
	-0.0024600	-0.00076600	-0.00046600	-0.00043800	-0.00039600
	-0.00040900	-0.00042000	-0.00029700	-0.00033000	-0.00031500
	-0.00030600	-0.00032600	-0.00023900	-0.00024200	-0.00021800
-0.77000	-0.0038200	-0.0017900	-0.0017700	-0.0023500	-0.00062900
	-0.0021900	-0.00068000	-0.00044500	-0.00041000	-0.00038400
	-0.00038500	-0.00042000	-0.00028400	-0.00032400	-0.00029100
	-0.00028600	-0.00031200	-0.00022800	-0.00022900	-0.00020400
-0.76000	-0.0037100	-0.0017100	-0.0016600	-0.0023400	-0.00060500
	-0.0021500	-0.00065900	-0.00041600	-0.00039200	-0.00035500
	-0.00037000	-0.00039800	-0.00026800	-0.00030000	-0.00029200
	-0.00028600	-0.00029700	-0.00022000	-0.00022000	-0.00019500
-0.75000	-0.0035700	-0.0016800	-0.0014800	-0.0022300	-0.00058500
	-0.0020100	-0.00058900	-0.00040400	-0.00036000	-0.00034100
	-0.00039200	-0.00037700	-0.00025700	-0.00027900	-0.00027500
	-0.00026600	-0.00027300	-0.00020900	-0.00020500	-0.00018600
-0.74000	-0.0034200	-0.0015500	-0.0013800	-0.0020900	-0.00056500
	-0.0020400	-0.00057000	-0.00038600	-0.00034400	-0.00032000
	-0.00037600	-0.00033200	-0.00024300	-0.00026600	-0.00026000
	-0.00025200	-0.00025400	-0.00019400	-0.00019500	-0.00017500
-0.73000	-0.0033000	-0.0014900	-0.0013100	-0.0021300	-0.00053100
	-0.0018300	-0.00057500	-0.00036500	-0.00032800	-0.00031000
	-0.00035200	-0.00032100	-0.00023100	-0.00025600	-0.00024500
	-0.00024200	-0.00025400	-0.00018700	-0.00018600	-0.00016700
-0.72000	-0.0030700	-0.0014900	-0.0013100	-0.0021800	-0.00051300
	-0.0018600	-0.00054500	-0.00034600	-0.00030900	-0.00029100
	-0.00033200	-0.00030100	-0.00021400	-0.00024700	-0.00023600
	-0.00022100	-0.00024700	-0.00017700	-0.00017700	-0.00016000
-0.71000	-0.0028900	-0.0014500	-0.0012500	-0.0020100	-0.00048000
	-0.0016600	-0.00051800	-0.00032900	-0.00029800	-0.00025400
	-0.00031800	-0.00030000	-0.00021300	-0.00023200	-0.00022600
	-0.00022700	-0.00023500	-0.00017200	-0.00017200	-0.00015400
-0.70000	-0.0029700	-0.0013800	-0.0012000	-0.0019400	-0.00046700
	-0.0016500	-0.00049500	-0.00031900	-0.00029700	-0.00024100
	-0.00028600	-0.00028700	-0.00020100	-0.00022500	-0.00021600
	-0.00020100	-0.00022400	-0.00016100	-0.00016200	-0.00014600
-0.69000	-0.0028300	-0.0013400	-0.0011600	-0.0019200	-0.00044700
	-0.0014300	-0.00045200	-0.00030300	-0.00027200	-0.00023500
	-0.00027200	-0.00026300	-0.00018300	-0.00021000	-0.00020400
	-0.00020600	-0.00021400	-0.00015200	-0.00015100	-0.00013700
-0.68000	-0.0028800	-0.0012800	-0.0011100	-0.0018400	-0.00043800
	-0.0014000	-0.00043600	-0.00028700	-0.00026300	-0.00022300
	-0.00026900	-0.00024600	-0.00018500	-0.00020500	-0.00019600
	-0.00019600	-0.00020400	-0.00014900	-0.00015100	-0.00013100
-0.67000	-0.0028000	-0.0012500	-0.0010800	-0.0017900	-0.00042300
	-0.0013000	-0.00041800	-0.00027600	-0.00024600	-0.00021300
	-0.00024600	-0.00024900	-0.00017100	-0.00019400	-0.00018800
	-0.00018700	-0.00019600	-0.00014100	-0.00014600	-0.00012200
-0.66000	-0.0025700	-0.0012000	-0.0011100	-0.0017800	-0.00039500

	-0.0011900	-0.00038000	-0.00025800	-0.00023600	-0.00020100
	-0.00024500	-0.00025300	-0.00016400	-0.00018700	-0.00017500
	-0.00017500	-0.00017200	-0.00013700	-0.00013800	-0.00011800
-0.65000	-0.0025200	-0.0011700	-0.0010600	-0.0016300	-0.00037300
	-0.0011100	-0.00036600	-0.00025300	-0.00022700	-0.00019200
	-0.00022500	-0.00023700	-0.00015800	-0.00018200	-0.00017100
	-0.00017900	-0.00017800	-0.00013000	-0.00013600	-0.00011100
-0.64000	-0.0024200	-0.0011100	-0.0010400	-0.0015800	-0.00036400
	-0.0011200	-0.00034800	-0.00023800	-0.00021300	-0.00018200
	-0.00021800	-0.00023300	-0.00014800	-0.00016800	-0.00015900
	-0.00015800	-0.00015900	-0.00012300	-0.00012800	-0.00010400
-0.63000	-0.0023400	-0.0010000	-0.00099600	-0.0015400	-0.00034900
	-0.0010400	-0.00033800	-0.00022600	-0.00020500	-0.00017400
	-0.00021000	-0.00023100	-0.00014200	-0.00015500	-0.00015200
	-0.00016200	-0.00016000	-0.00011700	-0.00012000	-9.8600e-05
-0.62000	-0.0023300	-0.0010200	-0.00094900	-0.0014600	-0.00033100
	-0.00088600	-0.00032900	-0.00021100	-0.00019600	-0.00016600
	-0.00019800	-0.00021700	-0.00012900	-0.00013100	-0.00014400
	-0.00016200	-0.00015300	-0.00011200	-0.00011600	-9.2700e-05
-0.61000	-0.0022100	-0.00092800	-0.00095400	-0.0016600	-0.00031600
	-0.0012400	-0.00031400	-0.00020500	-0.00018900	-0.00016200
	-0.00019600	-0.00021200	-0.00012400	-0.00015400	-0.00013900
	-0.00014100	-0.00013400	-0.00010600	-0.00010900	-8.9700e-05
-0.60000	-0.0020900	-0.00092800	-0.00090200	-0.0014400	-0.00030600
	-0.0012600	-0.00032700	-0.00019600	-0.00018000	-0.00015600
	-0.00018600	-0.00021100	-0.00011700	-0.00014600	-0.00013300
	-0.00014700	-0.00013100	-9.8800e-05	-0.00010300	-8.7400e-05
-0.59000	-0.0019700	-0.00091800	-0.00087400	-0.0013900	-0.00030200
	-0.00096500	-0.00032200	-0.00019200	-0.00017400	-0.00015000
	-0.00017700	-0.00019900	-0.00011500	-0.00011100	-0.00012800
	-0.00013900	-0.00013600	-9.4900e-05	-0.00010100	-8.4000e-05
-0.58000	-0.0019300	-0.00081400	-0.00084700	-0.0013900	-0.00028500
	-0.0010500	-0.00030500	-0.00017900	-0.00016600	-0.00014700
	-0.00017300	-0.00017600	-0.00011000	-0.00010800	-0.00012100
	-0.00013300	-0.00013100	-9.1400e-05	-9.1500e-05	-8.2200e-05
-0.57000	-0.0021300	-0.00084800	-0.00082600	-0.0012500	-0.00028000
	-0.00099200	-0.00027500	-0.00016700	-0.00015800	-0.00013500
	-0.00015800	-0.00017900	-0.00010200	-0.00010400	-0.00011800
	-0.00012900	-0.00012300	-8.8000e-05	-8.8800e-05	-7.7100e-05
-0.56000	-0.0018500	-0.00081200	-0.00080500	-0.0012100	-0.00026100
	-0.00087700	-0.00025100	-0.00016100	-0.00015300	-0.00013100
	-0.00015300	-0.00015500	-9.7500e-05	-1.0000e-04	-0.00011500
	-0.00011000	-0.00011900	-8.4000e-05	-8.3700e-05	-7.5100e-05
-0.55000	-0.0017600	-0.00081600	-0.00080000	-0.0011700	-0.00025500
	-0.00081200	-0.00024200	-0.00015500	-0.00014700	-0.00012700
	-0.00015100	-0.00016900	-9.4100e-05	-9.4900e-05	-0.00010800
	-0.00010700	-0.00011300	-8.0700e-05	-8.1100e-05	-6.8100e-05
-0.54000	-0.0016800	-0.00080400	-0.00075100	-0.0011900	-0.00024400
	-0.00077000	-0.00024000	-0.00014800	-0.00013600	-0.00011800
	-0.00014500	-0.00014400	-9.0000e-05	-9.1200e-05	-0.00010500
	-0.00010500	-0.00010800	-7.8000e-05	-7.8100e-05	-6.5200e-05
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	-0.00075400	-0.00023400	-0.00014200	-0.00013300	-0.00011300
	-0.00014500	-0.00013800	-8.6100e-05	-8.7600e-05	-9.4500e-05
	-0.00010800	-9.4100e-05	-7.3900e-05	-7.7400e-05	-6.2800e-05
-0.52000	-0.0015600	-0.00073000	-0.00072100	-0.0010100	-0.00022400
	-0.00088200	-0.00023200	-0.00013500	-0.00013400	-0.00010800
	-0.00013400	-0.00014200	-8.2800e-05	-8.3900e-05	-9.3400e-05
	-9.3500e-05	-8.8300e-05	-7.0900e-05	-7.1900e-05	-6.0600e-05
-0.51000	-0.0015300	-0.00070600	-0.00070500	-0.00090900	-0.00021900
	-0.00083600	-0.00022700	-0.00012700	-0.00012400	-0.00010400
	-0.00012400	-0.00012700	-7.9300e-05	-7.9300e-05	-8.8700e-05
	-9.0400e-05	-9.4800e-05	-6.8500e-05	-6.8700e-05	-5.8700e-05
-0.50000	-0.0014400	-0.00068200	-0.00068900	-0.00091500	-0.00021500

	-0.00078400	-0.00021200	-0.00012200	-0.00012000	-9.9700e-05
	-0.00012200	-0.00013000	-7.7200e-05	-7.5200e-05	-8.5100e-05
	-8.5800e-05	-8.1800e-05	-6.5200e-05	-6.7400e-05	-5.5600e-05
-0.49000	-0.0014200	-0.00064400	-0.00061600	-0.00088100	-0.00021100
	-0.00068100	-0.00021000	-0.00011900	-0.00011400	-9.7100e-05
	-0.00011500	-0.00011400	-7.2700e-05	-7.5000e-05	-8.0400e-05
	-9.0400e-05	-7.8700e-05	-6.4100e-05	-6.5400e-05	-5.3200e-05
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	-0.00070600	-0.00020200	-0.00011600	-0.00010800	-9.2200e-05
	-0.00011400	-0.00011300	-7.9900e-05	-6.8700e-05	-7.9100e-05
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-0.47000	-0.0012500	-0.00061100	-0.00057300	-0.00087700	-0.00018900
	-0.00061600	-0.00018900	-0.00010700	-0.00010300	-8.8900e-05
	-0.00010800	-0.00010600	-7.7500e-05	-6.5600e-05	-7.4500e-05
	-8.4300e-05	-7.1800e-05	-5.7300e-05	-6.0200e-05	-4.9400e-05
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	-0.00054400	-0.00018100	-0.00010600	-9.5000e-05	-8.5900e-05
	-0.00010200	-0.00010400	-7.4900e-05	-6.1600e-05	-7.0100e-05
	-7.8800e-05	-6.9100e-05	-5.5300e-05	-5.6000e-05	-4.5700e-05
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	-9.9700e-05	-9.9000e-05	-7.1000e-05	-6.0800e-05	-6.2400e-05
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	-6.4600e-05	-6.3700e-05	-5.1400e-05	-5.2700e-05	-4.4300e-05
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	-0.00049300	-0.00016100	-9.2000e-05	-8.5800e-05	-7.6100e-05
	-8.9500e-05	-0.00010700	-6.4000e-05	-5.5500e-05	-5.7500e-05
	-6.1600e-05	-5.9700e-05	-4.9100e-05	-5.0100e-05	-4.2000e-05
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	-5.9400e-05	-5.8600e-05	-4.7100e-05	-4.8900e-05	-3.9600e-05
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-0.40000	-0.00094900	-0.00048800	-0.00048300	-0.00071400	-0.00014000
	-0.00040800	-0.00013600	-8.1300e-05	-7.3600e-05	-6.5600e-05
	-7.8300e-05	-8.8000e-05	-6.0100e-05	-4.7900e-05	-5.1100e-05
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	-0.00038500	-0.00012800	-7.7500e-05	-6.9400e-05	-6.2800e-05
	-7.3400e-05	-7.9900e-05	-5.6100e-05	-4.5400e-05	-5.2000e-05
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	-0.00036500	-0.00012300	-7.4800e-05	-6.9800e-05	-6.0200e-05
	-7.0100e-05	-7.4900e-05	-5.3100e-05	-4.3400e-05	-5.1700e-05
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	-0.00033700	-0.00011500	-6.9700e-05	-6.2800e-05	-5.7700e-05
	-6.9000e-05	-7.1300e-05	-5.0700e-05	-4.0500e-05	-4.7000e-05
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	-0.00032500	-0.00011100	-6.5500e-05	-6.0100e-05	-5.4800e-05
	-6.9200e-05	-6.1100e-05	-4.7000e-05	-3.9600e-05	-4.7200e-05
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-0.35000	-0.00075900	-0.00041100	-0.00038300	-0.00059300	-0.00011900
	-0.00030500	-0.00010500	-6.3200e-05	-5.7800e-05	-5.2800e-05
	-6.5800e-05	-5.7300e-05	-4.6100e-05	-3.7700e-05	-4.2700e-05
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	-6.2700e-05	-5.4700e-05	-4.4700e-05	-3.6900e-05	-4.0900e-05
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-0.33000	-0.00070300	-0.00038200	-0.00035000	-0.00053800	-0.00011300
	-0.00026500	-9.5800e-05	-5.9400e-05	-5.3300e-05	-4.8400e-05
	-5.6200e-05	-5.2700e-05	-4.1600e-05	-3.4600e-05	-3.8100e-05
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	-0.00025100	-9.1200e-05	-5.7300e-05	-5.0400e-05	-4.7000e-05
	-5.5000e-05	-5.3300e-05	-4.1600e-05	-3.3100e-05	-3.6200e-05
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-0.31000	-0.00065100	-0.00035800	-0.00031200	-0.00052200	-0.00010300
	-0.00023500	-8.4300e-05	-5.3100e-05	-4.8000e-05	-4.5000e-05
	-5.4200e-05	-5.4600e-05	-3.9600e-05	-3.1700e-05	-3.5400e-05
	-3.5500e-05	-3.5800e-05	-3.0600e-05	-3.1100e-05	-2.4200e-05
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	-0.00022600	-8.3000e-05	-5.9400e-05	-4.6200e-05	-4.3800e-05
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	-0.00019000	-8.0500e-05	-5.7600e-05	-4.3400e-05	-4.1800e-05
	-5.0900e-05	-4.3300e-05	-3.2400e-05	-2.9000e-05	-3.2900e-05
	-3.2200e-05	-3.3000e-05	-2.7900e-05	-2.9200e-05	-2.2800e-05
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	-0.00019500	-7.6100e-05	-5.8100e-05	-4.0900e-05	-3.9800e-05
	-4.5100e-05	-4.1800e-05	-3.3100e-05	-2.7700e-05	-3.1900e-05
	-3.0300e-05	-3.1400e-05	-2.6400e-05	-2.7900e-05	-2.2000e-05
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	-0.00018500	-7.1300e-05	-5.5100e-05	-3.8900e-05	-3.7900e-05
	-4.4900e-05	-3.9300e-05	-3.3300e-05	-2.6200e-05	-2.9300e-05
	-2.8800e-05	-3.0000e-05	-2.5300e-05	-2.7000e-05	-2.0800e-05
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	-1.0000e-04	-6.7600e-05	-5.2300e-05	-3.6800e-05	-3.5900e-05
	-4.2000e-05	-3.5100e-05	-3.0500e-05	-2.5000e-05	-2.8600e-05
	-2.7100e-05	-2.8800e-05	-2.4200e-05	-2.5500e-05	-2.0100e-05
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	-9.7700e-05	-6.4200e-05	-5.0400e-05	-3.5700e-05	-3.4000e-05
	-3.8600e-05	-3.3500e-05	-2.9700e-05	-2.3800e-05	-2.5600e-05
	-2.5900e-05	-2.7500e-05	-2.3000e-05	-2.4100e-05	-1.9000e-05
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	-9.3700e-05	-6.0700e-05	-4.8000e-05	-3.3600e-05	-3.2200e-05
	-3.5500e-05	-3.3000e-05	-2.8300e-05	-2.2400e-05	-2.5300e-05
	-2.4200e-05	-2.6100e-05	-2.1800e-05	-2.3100e-05	-1.7800e-05
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	-9.0900e-05	-5.7500e-05	-4.5700e-05	-3.2200e-05	-3.0700e-05
	-3.4400e-05	-3.3100e-05	-2.6800e-05	-2.1200e-05	-2.4200e-05
	-2.4300e-05	-2.5300e-05	-2.0800e-05	-2.2300e-05	-1.7500e-05
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	-7.9400e-05	-5.5100e-05	-4.1700e-05	-3.1100e-05	-2.8900e-05
	-3.1900e-05	-3.0400e-05	-2.5600e-05	-2.0200e-05	-2.3000e-05
	-2.3000e-05	-2.4100e-05	-1.9600e-05	-2.0900e-05	-1.6500e-05
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	-7.5900e-05	-5.0700e-05	-3.9400e-05	-2.9400e-05	-2.7600e-05
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	-2.0700e-05	-2.2600e-05	-1.8600e-05	-2.0100e-05	-1.5700e-05
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	-1.9500e-05	-2.1700e-05	-1.7700e-05	-1.9100e-05	-1.4700e-05
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	-6.7900e-05	-4.4600e-05	-3.5200e-05	-2.6200e-05	-2.4600e-05
	-2.9100e-05	-2.5300e-05	-2.1000e-05	-1.7300e-05	-1.9800e-05
	-1.8300e-05	-2.1600e-05	-1.6900e-05	-1.8300e-05	-1.4000e-05
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	-5.7700e-05	-4.2400e-05	-3.0900e-05	-2.4700e-05	-2.3100e-05
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	-1.7300e-05	-2.0800e-05	-1.5800e-05	-1.6800e-05	-1.3300e-05
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	-5.3400e-05	-3.5600e-05	-3.1000e-05	-2.3100e-05	-2.1600e-05
	-2.6300e-05	-2.3300e-05	-1.8200e-05	-1.5500e-05	-1.7300e-05
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	-5.0900e-05	-3.4300e-05	-2.8900e-05	-2.1700e-05	-2.0600e-05
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	-4.7600e-05	-3.1800e-05	-2.4700e-05	-1.9900e-05	-1.9000e-05
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	-1.4100e-05	-1.6500e-05	-1.2800e-05	-1.3900e-05	-1.0600e-05
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	-4.3500e-05	-2.9000e-05	-2.3000e-05	-1.8700e-05	-1.7700e-05
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	-1.3100e-05	-1.5400e-05	-1.2000e-05	-1.3000e-05	-1.0300e-05
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	-3.7700e-05	-2.6800e-05	-2.1000e-05	-1.7300e-05	-1.6200e-05
	-1.9500e-05	-1.7400e-05	-1.3600e-05	-1.1500e-05	-1.2800e-05
	-1.2100e-05	-1.4100e-05	-1.1000e-05	-1.2100e-05	-9.1500e-06
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	-2.7100e-05	-2.4400e-05	-1.9400e-05	-1.5900e-05	-1.5900e-05
	-1.7800e-05	-1.5700e-05	-1.2200e-05	-1.0500e-05	-1.2000e-05
	-1.1400e-05	-1.2700e-05	-1.0200e-05	-1.1100e-05	-8.3200e-06
-0.11000	-0.00017400	-0.00010800	-9.9200e-05	-0.00018300	-3.0100e-05
	-2.6700e-05	-2.2200e-05	-1.7800e-05	-1.4700e-05	-1.4400e-05
	-1.6200e-05	-1.4600e-05	-1.1300e-05	-9.4500e-06	-1.0700e-05
	-1.0100e-05	-1.1300e-05	-9.2900e-06	-9.9900e-06	-7.4200e-06
-0.10000	-0.00015500	-9.7400e-05	-9.0000e-05	-0.00016500	-2.6500e-05
	-2.3000e-05	-1.9100e-05	-1.5900e-05	-1.3500e-05	-1.3100e-05
	-1.4700e-05	-1.3100e-05	-1.0100e-05	-8.6200e-06	-1.0000e-05
	-9.1200e-06	-1.0600e-05	-8.5300e-06	-9.1100e-06	-6.6700e-06
-0.090000	-0.00013500	-8.7400e-05	-8.0900e-05	-0.00015700	-2.5100e-05
	-2.0700e-05	-1.7600e-05	-1.4300e-05	-1.1800e-05	-1.1900e-05
	-1.2900e-05	-1.2100e-05	-9.0700e-06	-7.7000e-06	-8.8000e-06
	-8.2200e-06	-9.5900e-06	-7.4700e-06	-8.2300e-06	-5.9200e-06
-0.080000	-0.00012100	-7.8200e-05	-7.3600e-05	-0.00013100	-2.1600e-05
	-1.7300e-05	-1.5400e-05	-1.2800e-05	-1.0600e-05	-1.0400e-05
	-1.1800e-05	-1.0600e-05	-8.0400e-06	-6.8200e-06	-7.7800e-06
	-7.3300e-06	-8.1700e-06	-6.6700e-06	-7.3300e-06	-5.2800e-06
-0.070000	-0.00011000	-6.8100e-05	-6.2700e-05	-0.00012400	-1.8000e-05
	-1.5600e-05	-1.3200e-05	-1.1000e-05	-9.2600e-06	-9.0900e-06
	-1.0300e-05	-9.1300e-06	-7.0300e-06	-5.8500e-06	-6.7200e-06
	-6.3100e-06	-7.0700e-06	-5.8400e-06	-6.4500e-06	-4.6000e-06
-0.060000	-9.5100e-05	-5.7100e-05	-5.4000e-05	-0.00010300	-1.5600e-05
	-1.3200e-05	-1.1200e-05	-9.3300e-06	-7.9500e-06	-8.0300e-06
	-8.7800e-06	-7.9400e-06	-5.9800e-06	-5.0200e-06	-5.8700e-06
	-5.4200e-06	-6.1600e-06	-4.9900e-06	-5.4400e-06	-4.0900e-06
-0.050000	-8.0100e-05	-4.6900e-05	-4.7500e-05	-7.9000e-05	-1.2700e-05
	-1.0500e-05	-9.8100e-06	-7.8500e-06	-6.6400e-06	-6.6900e-06
	-7.6400e-06	-6.9900e-06	-5.0000e-06	-4.3100e-06	-4.9200e-06
	-4.5900e-06	-3.9200e-06	-4.1600e-06	-4.6100e-06	-3.4300e-06
-0.040000	-6.2300e-05	-3.8400e-05	-3.7400e-05	-6.2800e-05	-9.9100e-06
	-8.2700e-06	-7.5700e-06	-6.2600e-06	-5.2700e-06	-5.3500e-06
	-5.6600e-06	-5.2300e-06	-4.1800e-06	-3.3600e-06	-3.8600e-06
	-3.6700e-06	-3.1800e-06	-3.2800e-06	-3.7400e-06	-2.6200e-06
-0.030000	-4.6400e-05	-2.8500e-05	-2.6900e-05	-3.8500e-05	-6.9000e-06
	-6.6400e-06	-5.6900e-06	-4.7000e-06	-3.8900e-06	-3.9500e-06
	-4.4500e-06	-3.8700e-06	-3.0400e-06	-2.5100e-06	-2.8300e-06
	-2.7200e-06	-2.3200e-06	-2.4700e-06	-2.7900e-06	-1.9200e-06
-0.020000	-3.0400e-05	-1.8200e-05	-1.7900e-05	-2.6100e-05	-4.8500e-06

	-4.3600e-06	-3.7900e-06	-3.1200e-06	-2.6400e-06	-2.6200e-06
	-2.9400e-06	-2.5400e-06	-1.9900e-06	-1.6700e-06	-1.8400e-06
	-1.7500e-06	-1.5800e-06	-1.5800e-06	-1.7900e-06	-1.2400e-06
-0.0100000	-1.5500e-05	-9.6000e-06	-9.4200e-06	-1.1700e-05	-2.4800e-06
	-1.9800e-06	-1.9200e-06	-1.5600e-06	-1.2900e-06	-1.2700e-06
	-1.4500e-06	-1.2200e-06	-1.0600e-06	-8.0000e-07	-9.3000e-07
	-8.3000e-07	-7.4000e-07	-7.8000e-07	-8.7000e-07	-5.7000e-07
7.5287e-16	-2.1000e-07	-1.7000e-07	-1.7000e-07	-2.1000e-07	-5.0000e-08
	-5.0000e-08	-4.0000e-08	-7.0000e-08	-3.0000e-08	-5.0000e-08
	-6.0000e-08	-6.0000e-08	-4.0000e-08	-3.0000e-08	-5.0000e-08
	-2.0000e-08	-2.0000e-08	-5.0000e-08	-4.0000e-08	-4.0000e-08
0.0100000	1.4700e-05	9.3300e-06	8.9400e-06	1.3100e-05	2.4800e-06
	2.0800e-06	1.8600e-06	1.5300e-06	1.3200e-06	1.3000e-06
	1.4700e-06	1.2700e-06	9.8000e-07	8.8000e-07	9.3000e-07
	9.0000e-07	8.0000e-07	8.0000e-07	9.0000e-07	7.0000e-07
0.020000	3.0500e-05	1.9500e-05	1.8500e-05	2.4800e-05	4.6900e-06
	4.1600e-06	3.7800e-06	3.1800e-06	2.6800e-06	2.7000e-06
	2.9600e-06	2.6800e-06	2.0500e-06	1.7300e-06	1.9600e-06
	1.8100e-06	1.6000e-06	1.6800e-06	1.8600e-06	1.3400e-06
0.030000	4.7400e-05	2.8000e-05	2.7600e-05	3.4000e-05	7.4000e-06
	6.3900e-06	5.7700e-06	4.7700e-06	4.1100e-06	4.0500e-06
	4.5000e-06	4.0500e-06	3.1800e-06	2.5900e-06	2.9500e-06
	2.7600e-06	2.4100e-06	2.5600e-06	2.8200e-06	2.0400e-06
0.040000	6.2900e-05	3.7800e-05	3.6400e-05	5.1900e-05	9.4300e-06
	8.6200e-06	7.6200e-06	6.3400e-06	5.5900e-06	5.5600e-06
	6.0400e-06	5.3800e-06	4.0400e-06	3.4400e-06	3.9000e-06
	3.6700e-06	3.2400e-06	3.4900e-06	3.8300e-06	2.8100e-06
0.050000	7.8100e-05	4.8500e-05	4.5100e-05	9.2700e-05	1.2700e-05
	1.0800e-05	9.7300e-06	8.0200e-06	7.0000e-06	7.0200e-06
	8.0700e-06	6.9000e-06	5.1600e-06	4.3600e-06	4.9900e-06
	4.6800e-06	4.1400e-06	4.2100e-06	4.7700e-06	3.5600e-06
0.060000	9.9600e-05	5.8700e-05	5.4700e-05	0.00011200	1.4800e-05
	1.3700e-05	1.1600e-05	9.7200e-06	8.4100e-06	8.5900e-06
	9.4400e-06	8.2900e-06	6.2500e-06	5.3100e-06	6.0700e-06
	5.6800e-06	5.0600e-06	5.1100e-06	5.8600e-06	4.3400e-06
0.070000	0.00011800	7.2200e-05	6.4000e-05	0.00011800	1.8100e-05
	1.5400e-05	1.3600e-05	1.1100e-05	1.0000e-05	1.0100e-05
	1.0800e-05	9.9200e-06	7.3700e-06	6.2000e-06	7.0900e-06
	6.6400e-06	5.7300e-06	6.1100e-06	6.7900e-06	5.0200e-06
0.080000	0.00013200	8.0400e-05	7.3400e-05	0.00012900	2.0200e-05
	1.7300e-05	1.6100e-05	1.2900e-05	1.1500e-05	1.1700e-05
	1.2700e-05	1.1700e-05	8.9300e-06	7.2400e-06	8.2700e-06
	7.7000e-06	6.7800e-06	7.0600e-06	7.8900e-06	5.8600e-06
0.090000	0.00015100	9.1500e-05	8.6100e-05	0.00014900	2.3300e-05
	1.9500e-05	1.7700e-05	1.4600e-05	1.3100e-05	1.3200e-05
	1.4200e-05	1.3100e-05	9.7200e-06	8.3700e-06	9.3500e-06
	8.4700e-06	7.4300e-06	8.1600e-06	8.9300e-06	6.4700e-06
0.10000	0.00017000	9.9100e-05	9.1000e-05	0.00016700	2.4800e-05
	2.3500e-05	1.9900e-05	1.6600e-05	1.4700e-05	1.4600e-05
	1.5900e-05	1.4800e-05	1.0900e-05	9.1900e-06	1.0600e-05
	9.6400e-06	8.5100e-06	9.1600e-06	1.0100e-05	7.4300e-06
0.11000	0.00018700	0.00011300	9.9800e-05	0.00018400	2.7700e-05
	2.7700e-05	2.2800e-05	1.8000e-05	1.6100e-05	1.6400e-05
	1.7700e-05	1.6800e-05	1.2000e-05	1.0100e-05	1.1800e-05
	1.0700e-05	9.5100e-06	1.0100e-05	1.1200e-05	8.2700e-06
0.12000	0.00020700	0.00012800	0.00011100	0.00021100	3.0000e-05
	3.0500e-05	2.4700e-05	1.9800e-05	1.7900e-05	1.7400e-05
	2.0200e-05	1.8300e-05	1.4000e-05	1.1200e-05	1.3000e-05
	1.1900e-05	1.0300e-05	1.1400e-05	1.2400e-05	8.9800e-06
0.13000	0.00021400	0.00013700	0.00012400	0.00020600	3.3400e-05
	3.4600e-05	2.6600e-05	2.1700e-05	1.9900e-05	1.9300e-05
	2.3000e-05	2.0700e-05	1.4500e-05	1.2300e-05	1.4300e-05
	1.3000e-05	1.1700e-05	1.2600e-05	1.3500e-05	9.9400e-06
0.14000	0.00023000	0.00015300	0.00013300	0.00018200	3.5800e-05

	3.7400e-05	2.9300e-05	2.3600e-05	2.1600e-05	2.1200e-05
	2.4200e-05	2.3500e-05	1.5800e-05	1.3500e-05	1.5300e-05
	1.4400e-05	1.2700e-05	1.3700e-05	1.4700e-05	1.0800e-05
0.15000	0.00025600	0.00017000	0.00014200	0.00025700	4.1000e-05
	4.0800e-05	3.1700e-05	2.5500e-05	2.3600e-05	2.2900e-05
	2.6700e-05	2.4600e-05	1.7500e-05	1.4500e-05	1.6500e-05
	1.5600e-05	1.4000e-05	1.4800e-05	1.6300e-05	1.1800e-05
0.16000	0.00027500	0.00017600	0.00015500	0.00020700	4.1800e-05
	4.3200e-05	3.9000e-05	2.7900e-05	2.5400e-05	2.4900e-05
	2.8400e-05	2.7600e-05	1.8600e-05	1.5700e-05	1.8200e-05
	1.6400e-05	1.5200e-05	1.6000e-05	1.7900e-05	1.2900e-05
0.17000	0.00029400	0.00019500	0.00017300	0.00022800	4.5300e-05
	4.7400e-05	4.4300e-05	2.9500e-05	2.7000e-05	2.6600e-05
	3.0800e-05	2.9900e-05	2.1600e-05	1.6800e-05	1.9100e-05
	1.8300e-05	1.6000e-05	1.7600e-05	1.9100e-05	1.3900e-05
0.18000	0.00032500	0.00021100	0.00018500	0.00023700	4.8800e-05
	5.0900e-05	4.8700e-05	3.1800e-05	2.8900e-05	2.9100e-05
	3.2500e-05	3.3500e-05	2.3000e-05	1.8300e-05	2.0600e-05
	1.9700e-05	1.7800e-05	1.8900e-05	2.0600e-05	1.5100e-05
0.19000	0.00035200	0.00022800	0.00019200	0.00027500	5.1600e-05
	5.3500e-05	5.3100e-05	3.3900e-05	3.0800e-05	3.0700e-05
	3.4800e-05	3.7000e-05	2.4000e-05	1.9400e-05	2.2400e-05
	2.1000e-05	1.9000e-05	1.9900e-05	2.2300e-05	1.5800e-05
0.20000	0.00036800	0.00024900	0.00020600	0.00029700	5.5400e-05
	5.7200e-05	6.0500e-05	3.6200e-05	3.3000e-05	3.2900e-05
	3.7200e-05	3.9200e-05	2.5700e-05	2.1200e-05	2.3900e-05
	2.2500e-05	2.0300e-05	2.1500e-05	2.3800e-05	1.7300e-05
0.21000	0.00039300	0.00027800	0.00021200	0.00031100	5.8500e-05
	6.1400e-05	6.4400e-05	3.9000e-05	3.5400e-05	3.4300e-05
	4.1800e-05	4.1400e-05	2.7400e-05	2.2100e-05	2.5000e-05
	2.4400e-05	2.1400e-05	2.2800e-05	2.5300e-05	1.8100e-05
0.22000	0.00041100	0.00030100	0.00022600	0.00032500	6.2900e-05
	6.5900e-05	6.8600e-05	4.1400e-05	3.8200e-05	3.5900e-05
	4.5100e-05	4.6200e-05	2.9200e-05	2.4500e-05	2.6800e-05
	2.6600e-05	2.2800e-05	2.4300e-05	2.6900e-05	1.9300e-05
0.23000	0.00044700	0.00030300	0.00023400	0.00035400	6.7100e-05
	7.2500e-05	7.0300e-05	4.3500e-05	4.0200e-05	3.9500e-05
	4.4800e-05	4.9000e-05	3.1500e-05	2.6200e-05	2.9200e-05
	2.7600e-05	2.4500e-05	2.5900e-05	2.8700e-05	2.0400e-05
0.24000	0.00046300	0.00031200	0.00025200	0.00039800	7.3000e-05
	7.7200e-05	8.2500e-05	4.6500e-05	4.3200e-05	4.1100e-05
	4.7300e-05	5.6400e-05	3.5200e-05	2.7600e-05	3.1200e-05
	2.9000e-05	2.5900e-05	2.7500e-05	3.0200e-05	2.1600e-05
0.25000	0.00051000	0.00032300	0.00026200	0.00039000	8.1500e-05
	8.1100e-05	8.9300e-05	4.8800e-05	4.6000e-05	4.4300e-05
	4.4800e-05	6.0100e-05	3.7100e-05	2.8600e-05	3.3100e-05
	3.1300e-05	2.7100e-05	2.9400e-05	3.1600e-05	2.3000e-05
0.26000	0.00054700	0.00034300	0.00026500	0.00040100	8.1900e-05
	8.5300e-05	9.3400e-05	5.2000e-05	4.8700e-05	4.5900e-05
	4.5800e-05	6.2700e-05	3.9100e-05	3.0500e-05	3.4700e-05
	3.2900e-05	2.9400e-05	3.1200e-05	3.3100e-05	2.5900e-05
0.27000	0.00060300	0.00036000	0.00028400	0.00042600	8.5100e-05
	9.1200e-05	9.6900e-05	5.5300e-05	5.2500e-05	4.8300e-05
	4.9300e-05	6.6000e-05	4.1400e-05	3.2500e-05	3.5800e-05
	3.4700e-05	3.1200e-05	3.3100e-05	3.5100e-05	2.7300e-05
0.28000	0.00061300	0.00037300	0.00030000	0.00044900	9.5400e-05
	9.4500e-05	9.6700e-05	5.8000e-05	5.7100e-05	5.1900e-05
	5.2900e-05	5.5100e-05	4.3900e-05	3.5800e-05	3.8400e-05
	4.3600e-05	3.3500e-05	3.5500e-05	3.7200e-05	2.9800e-05
0.29000	0.00066800	0.00039600	0.00033100	0.00040200	0.00010100
	9.9400e-05	9.1900e-05	6.1000e-05	5.8600e-05	5.5700e-05
	5.5500e-05	6.1300e-05	4.6600e-05	3.7200e-05	4.1600e-05
	4.5100e-05	3.5200e-05	3.7200e-05	3.9300e-05	3.0500e-05
0.30000	0.00066200	0.00042000	0.00034300	0.00042900	0.00010900

	0.00010400	9.3600e-05	6.4100e-05	6.1600e-05	5.8800e-05
	5.8300e-05	6.1100e-05	5.4000e-05	3.7100e-05	4.3700e-05
	4.7100e-05	3.6600e-05	3.9400e-05	4.0400e-05	3.3700e-05
0.31000	0.00068400	0.00043300	0.00036100	0.00044500	0.00011500
	0.00011000	0.00010800	6.7700e-05	6.4300e-05	6.0700e-05
	6.0800e-05	6.5600e-05	5.3400e-05	4.0700e-05	4.7200e-05
	5.0400e-05	3.8700e-05	4.0700e-05	4.1800e-05	3.4400e-05
0.32000	0.00072200	0.00045200	0.00038300	0.00050200	0.00011100
	0.00011500	0.00011000	7.1400e-05	6.8000e-05	6.5400e-05
	6.5100e-05	6.5200e-05	5.8200e-05	4.2900e-05	4.8200e-05
	5.5200e-05	4.1500e-05	4.2500e-05	4.5200e-05	3.6500e-05
0.33000	0.00077000	0.00047100	0.00038000	0.00055100	0.00011700
	0.00012500	0.00011500	7.5400e-05	7.1700e-05	6.9700e-05
	6.6600e-05	6.7700e-05	6.4300e-05	4.6200e-05	5.2200e-05
	5.0000e-05	4.5800e-05	4.6000e-05	4.6800e-05	3.9300e-05
0.34000	0.00083500	0.00047600	0.00043900	0.00054000	0.00012200
	0.00013600	0.00012800	8.0700e-05	7.5200e-05	7.5200e-05
	7.3700e-05	8.0400e-05	6.5600e-05	4.7900e-05	5.5200e-05
	5.9000e-05	4.7100e-05	4.8000e-05	4.7200e-05	4.1100e-05
0.35000	0.00085500	0.00051000	0.00049900	0.00060300	0.00012700
	0.00013900	0.00014300	8.5300e-05	8.0900e-05	7.8100e-05
	7.4100e-05	9.0600e-05	6.6200e-05	5.0400e-05	5.9100e-05
	5.9800e-05	4.8900e-05	5.0200e-05	4.9900e-05	4.3000e-05
0.36000	0.00092200	0.00052100	0.00045300	0.00059900	0.00014100
	0.00014200	0.00014800	9.1700e-05	8.4900e-05	8.2900e-05
	7.9000e-05	8.7300e-05	6.7400e-05	5.2400e-05	6.1700e-05
	6.3400e-05	5.3200e-05	5.3200e-05	5.2900e-05	4.5800e-05
0.37000	0.0010400	0.00055100	0.00052200	0.00063500	0.00015500
	0.00016200	0.00013700	9.8800e-05	9.1100e-05	8.3700e-05
	8.2700e-05	9.3400e-05	7.2700e-05	5.5200e-05	6.5500e-05
	6.7700e-05	5.7600e-05	5.5800e-05	5.6300e-05	5.0700e-05
0.38000	0.0010400	0.00060400	0.00050100	0.00068100	0.00015900
	0.00017800	0.00014100	0.00010400	9.4700e-05	9.1900e-05
	9.1300e-05	0.00010400	7.5500e-05	5.8000e-05	6.9800e-05
	7.0800e-05	7.0200e-05	5.8400e-05	5.9100e-05	5.3700e-05
0.39000	0.0010800	0.00063000	0.00051500	0.00072300	0.00016800
	0.00017800	0.00016000	0.00010700	0.00010100	9.8000e-05
	0.00010200	0.00010900	9.2700e-05	6.0600e-05	7.1200e-05
	7.6100e-05	7.1200e-05	6.1800e-05	6.3000e-05	5.4400e-05
0.40000	0.0011700	0.00069000	0.00054800	0.00073100	0.00018200
	0.00019100	0.00017100	0.00011400	0.00010700	0.00010100
	0.00010800	0.00011500	8.9000e-05	6.4300e-05	7.5900e-05
	8.0800e-05	7.5200e-05	6.7000e-05	6.7900e-05	5.6600e-05
0.41000	0.0012800	0.00073300	0.00056700	0.00075300	0.00018800
	0.00020700	0.00016400	0.00012000	0.00011500	0.00010500
	0.00011500	0.00011800	9.4500e-05	6.9300e-05	7.9500e-05
	8.4500e-05	8.4000e-05	7.0300e-05	7.1100e-05	5.9600e-05
0.42000	0.0013100	0.00076200	0.00057600	0.00084000	0.00020000
	0.00022700	0.00017400	0.00012700	0.00012000	0.00011000
	0.00012000	0.00012800	0.00010900	7.5600e-05	8.3700e-05
	7.9900e-05	9.0000e-05	7.4600e-05	7.4000e-05	6.2000e-05
0.43000	0.0013000	0.00072100	0.00059600	0.00086600	0.00020600
	0.00023000	0.00018500	0.00013300	0.00012900	0.00011500
	0.00012600	0.00013300	0.00012400	7.9500e-05	9.4200e-05
	8.7100e-05	9.5200e-05	7.9600e-05	7.9100e-05	6.6100e-05
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	0.00023200	0.00019600	0.00014100	0.00013800	0.00012700
	0.00013000	0.00014000	0.00013500	8.4500e-05	1.0000e-04
	0.00010400	9.7200e-05	8.4100e-05	8.2700e-05	6.9700e-05
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	0.00013200	0.00015000	0.00013700	9.2900e-05	0.00010100
	0.00010900	0.00010500	8.7600e-05	8.4400e-05	7.3700e-05
0.46000	0.0014700	0.00091900	0.00068000	0.00093700	0.00023400

	0.00023900	0.00021500	0.00015900	0.00014600	0.00013900
	0.00014200	0.00016000	0.00014100	9.5400e-05	0.00012700
	0.00011300	0.00010800	9.2200e-05	9.3100e-05	7.7800e-05
0.47000	0.0017000	0.00097700	0.00072500	0.00095900	0.00025200
	0.00024800	0.00023300	0.00016900	0.00016000	0.00014800
	0.00015100	0.00015900	0.00015200	1.0000e-04	0.00013000
0.48000	0.00012100	0.00011500	9.7000e-05	9.5200e-05	8.2000e-05
	0.0017600	0.0010200	0.00077600	0.0010000	0.00026100
	0.00025600	0.00024000	0.00017700	0.00016800	0.00015800
	0.00015700	0.00017100	0.00015600	0.00010600	0.00014000
0.49000	0.00012800	0.00012600	0.00010600	9.8100e-05	8.6100e-05
	0.0018800	0.0010500	0.00079500	0.0010200	0.00027600
	0.00027300	0.00027600	0.00018700	0.00017000	0.00016900
	0.00016700	0.00017500	0.00017000	0.00011400	0.00014500
0.50000	0.00013100	0.00013600	0.00011300	0.00010200	9.3900e-05
	0.0019200	0.0010800	0.00085900	0.0010600	0.00029100
	0.00027600	0.00026900	0.00021000	0.00017900	0.00018200
	0.00017200	0.00019700	0.00018100	0.00012500	0.00015500
0.51000	0.00013900	0.00014700	0.00011700	0.00010800	9.6800e-05
	0.0020000	0.0010700	0.00091400	0.0010600	0.00031500
	0.00030600	0.00027500	0.00022400	0.00019400	0.00019200
	0.00018800	0.00020200	0.00019300	0.00013200	0.00016300
0.52000	0.00015100	0.00015700	0.00012700	0.00011500	0.00010500
	0.0020900	0.0011700	0.00095100	0.0011700	0.00032600
	0.00033600	0.00028900	0.00023600	0.00020500	0.00020100
	0.00019200	0.00021600	0.00019300	0.00013700	0.00017200
0.53000	0.00015600	0.00015100	0.00013100	0.00012800	0.00010900
	0.0021100	0.0012700	0.00097900	0.0012000	0.00035200
	0.00035300	0.00029400	0.00024900	0.00021900	0.00021300
	0.00020600	0.00023700	0.00020700	0.00015000	0.00019600
0.54000	0.00015400	0.00016700	0.00014200	0.00013500	0.00011600
	0.0023900	0.0015500	0.0010500	0.0012700	0.00037000
	0.00038100	0.00030500	0.00026600	0.00023600	0.00022300
	0.00022400	0.00024300	0.00021300	0.00015700	0.00021000
0.55000	0.00015900	0.00017700	0.00015000	0.00013900	0.00012300
	0.0024900	0.0016700	0.0010900	0.0013700	0.00040000
	0.00040200	0.00033100	0.00028000	0.00025100	0.00024000
	0.00026900	0.00026800	0.00023600	0.00016700	0.00020200
0.56000	0.00017300	0.00019500	0.00016100	0.00015200	0.00012900
	0.0027700	0.0016600	0.0011500	0.0013500	0.00042400
	0.00043300	0.00035600	0.00029900	0.00026900	0.00024800
	0.00027800	0.00029800	0.00024400	0.00017500	0.00023100
0.57000	0.00018300	0.00020800	0.00017200	0.00016000	0.00013400
	0.0028500	0.0018600	0.0012100	0.0014000	0.00046400
	0.00044800	0.00038200	0.00031400	0.00029700	0.00026700
	0.00029300	0.00032300	0.00024600	0.00019000	0.00024400
0.58000	0.00021200	0.00022200	0.00018000	0.00017400	0.00014900
	0.0029600	0.0017900	0.0012500	0.0014900	0.00050400
	0.00047400	0.00040700	0.00034600	0.00032600	0.00029500
	0.00031800	0.00033000	0.00026500	0.00020600	0.00026800
0.59000	0.00022400	0.00023000	0.00019400	0.00018500	0.00015600
	0.0028100	0.0020200	0.0013300	0.0014900	0.00062100
	0.00051800	0.00042200	0.00037200	0.00034700	0.00031700
	0.00033600	0.00034900	0.00028200	0.00021300	0.00029400
0.60000	0.00024100	0.00024300	0.00020500	0.00019500	0.00017000
	0.0028700	0.0019900	0.0013700	0.0016000	0.00067400
	0.00053700	0.00045900	0.00037700	0.00036600	0.00032800
	0.00035900	0.00037300	0.00027100	0.00023300	0.00029900
0.61000	0.00025400	0.00026800	0.00021800	0.00022500	0.00018300
	0.0029800	0.0022700	0.0014400	0.0016600	0.00060600
	0.00069300	0.00049500	0.00039900	0.00039100	0.00036400
	0.00038500	0.00039800	0.00029700	0.00024300	0.00033100
0.62000	0.00028000	0.00028900	0.00023500	0.00024200	0.00019300
	0.0029800	0.0022100	0.0015400	0.0018600	0.00069300

	0.00068900	0.00053200	0.00043000	0.00041600	0.00039000
	0.00041600	0.00044200	0.00035300	0.00026800	0.00035700
	0.00029100	0.00031200	0.00025200	0.00024500	0.00020600
0.63000	0.0032200	0.0022700	0.0015200	0.0018900	0.00076400
	0.00075200	0.00055200	0.00048100	0.00043400	0.00042700
	0.00045200	0.00053700	0.00037200	0.00029300	0.00036800
	0.00031600	0.00033800	0.00027300	0.00026600	0.00022300
0.64000	0.0033400	0.0031300	0.0017300	0.0019300	0.00080000
	0.00080100	0.00058800	0.00053100	0.00048400	0.00045500
	0.00049300	0.00057100	0.00039500	0.00032600	0.00040100
	0.00034800	0.00035700	0.00029500	0.00029100	0.00023500
0.65000	0.0036600	0.0024900	0.0017700	0.0020700	0.00079400
	0.00084200	0.00064300	0.00057800	0.00053200	0.00048700
	0.00050800	0.00063900	0.00041800	0.00034400	0.00044400
	0.00038200	0.00038700	0.00031300	0.00032300	0.00026200
0.66000	0.0036600	0.0025300	0.0018200	0.0021300	0.00091000
	0.00093300	0.00069100	0.00061200	0.00058000	0.00054600
	0.00059100	0.00062900	0.00044400	0.00036600	0.00047100
	0.00041500	0.00040500	0.00034200	0.00033600	0.00027400
0.67000	0.0039800	0.0029200	0.0019300	0.0022600	0.00096800
	0.0010200	0.00077200	0.00069300	0.00062600	0.00059600
	0.00062600	0.00073900	0.00054900	0.00039100	0.00052300
	0.00046400	0.00043800	0.00037300	0.00036600	0.00030600
0.68000	0.0047300	0.0030000	0.0020700	0.0023800	0.0010500
	0.0011000	0.00082500	0.00075900	0.00065400	0.00067800
	0.00066300	0.00077900	0.00061700	0.00044100	0.00056100
	0.00046500	0.00048500	0.00041400	0.00040600	0.00032800
0.69000	0.0052200	0.0032000	0.0023400	0.0025200	0.0011500
	0.0012200	0.00089300	0.00081700	0.00075400	0.00072400
	0.00072000	0.00081900	0.00068100	0.00048600	0.00061500
	0.00050100	0.00051700	0.00045100	0.00044900	0.00036000
0.70000	0.0055900	0.0035500	0.0025000	0.0027300	0.0012800
	0.0014800	0.0010000	0.00092700	0.00079700	0.00081300
	0.00075100	0.00085600	0.00074900	0.00056100	0.00070800
	0.00057200	0.00057900	0.00051500	0.00050000	0.00039100
0.71000	0.0061700	0.0036400	0.0026800	0.0030500	0.0013100
	0.0016100	0.0011300	0.00095500	0.00084800	0.00089400
	0.00082300	0.00094700	0.00074100	0.00061400	0.00078600
	0.00062100	0.00062700	0.00055600	0.00058400	0.00042000
0.72000	0.0066600	0.0034500	0.0027600	0.0031300	0.0015100
	0.0017500	0.0011700	0.0011000	0.00097500	0.0010400
	0.00096400	0.0010900	0.00083000	0.00068000	0.00078900
	0.00071700	0.00067400	0.00059600	0.00064000	0.00048700
0.73000	0.0068500	0.0036900	0.0029500	0.0047100	0.0017800
	0.0018600	0.0013800	0.0012100	0.0011000	0.0010600
	0.0010500	0.0011400	0.00092200	0.00077600	0.00085600
	0.00076300	0.00075200	0.00067500	0.00069900	0.00058600
0.74000	0.0073100	0.0042200	0.0032900	0.0051000	0.0020400
	0.0020500	0.0015000	0.0013400	0.0011800	0.0011200
	0.0011700	0.0013900	0.00099000	0.00096700	0.00095700
	0.00079800	0.00082700	0.00073100	0.00079200	0.00064900
0.75000	0.0072400	0.0045100	0.0034400	0.0041400	0.0020900
	0.0022300	0.0016600	0.0014800	0.0012500	0.0012200
	0.0013400	0.0014700	0.0011100	0.0010100	0.0010700
	0.00091900	0.00093000	0.00081300	0.00086100	0.00072500
0.76000	0.0071800	0.0052400	0.0042700	0.0064700	0.0024500
	0.0023600	0.0017800	0.0016700	0.0013800	0.0013900
	0.0014700	0.0016500	0.0011800	0.0011100	0.0012400
	0.0010300	0.00099900	0.00090600	0.00094400	0.00081900
0.77000	0.0081100	0.0055200	0.0046200	0.0073100	0.0026100
	0.0026400	0.0019800	0.0018400	0.0015500	0.0015600
	0.0015800	0.0017700	0.0014300	0.0011800	0.0012800
	0.0011200	0.0011000	0.0010300	0.0010200	0.00096200
0.78000	0.0086700	0.0059300	0.0044600	0.014000	0.0030600

	0.0028000	0.0024000	0.0021000	0.0017800	0.0016800
	0.0017400	0.0018600	0.0016100	0.0013300	0.0013900
	0.0012600	0.0012900	0.0011300	0.0011300	0.0010300
0.79000	0.0088900	0.0063600	0.0042400	0.0057000	0.0034100
	0.0034900	0.0025400	0.0022700	0.0019000	0.0018600
	0.0019300	0.0022000	0.0018800	0.0014400	0.0016600
	0.0013900	0.0014400	0.0012800	0.0011800	0.0011600
0.80000	0.0098600	0.0065300	0.0045900	0.0046900	0.0038300
	0.0037900	0.0027800	0.0025300	0.0021800	0.0020900
	0.0022300	0.0023900	0.0023600	0.0017400	0.0018100
	0.0015200	0.0016800	0.0014600	0.0013700	0.0012600
0.81000	0.011800	0.0074400	0.0049100	0.0053200	0.0043300
	0.0039500	0.0030400	0.0028300	0.0024600	0.0025500
	0.0025400	0.0026400	0.0023500	0.0018500	0.0022900
	0.0017700	0.0018200	0.0018000	0.0015900	0.0013900
0.82000	0.011600	0.0078700	0.0054500	0.0057700	0.0044500
	0.0043300	0.0033600	0.0030500	0.0026200	0.0030200
	0.0029300	0.0033800	0.0028700	0.0020500	0.0024300
	0.0019300	0.0021200	0.0018500	0.0018700	0.0015900
0.83000	0.012600	0.0087800	0.0065100	0.0061100	0.0052600
	0.0048300	0.0041600	0.0037500	0.0033200	0.0032000
	0.0031600	0.0035700	0.0031100	0.0022900	0.0028800
	0.0022600	0.0027600	0.0021400	0.0020200	0.0018200
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	0.0060800	0.0047200	0.0043400	0.0037200	0.0035700
	0.0035900	0.0040600	0.0033000	0.0026400	0.0032900
	0.0025500	0.0027400	0.0025100	0.0024700	0.0020400
0.85000	0.015600	0.010200	0.0074400	0.0077600	0.0066600
	0.0064300	0.0054700	0.0050500	0.0043400	0.0040100
	0.0039000	0.0048300	0.0035800	0.0030900	0.0037700
	0.0028500	0.0031200	0.0029400	0.0028700	0.0022500
0.86000	0.017400	0.011300	0.0088600	0.0099000	0.0081300
	0.0071800	0.0061700	0.0057400	0.0049500	0.0052800
	0.0047800	0.0052000	0.0044600	0.0036100	0.0043800
	0.0035900	0.0033400	0.0034600	0.0033200	0.0026700
0.87000	0.020300	0.012600	0.0095400	0.017900	0.0077900
	0.0067400	0.0071200	0.0065500	0.0055200	0.0052900
	0.0054200	0.0056600	0.0046700	0.0039300	0.0047100
	0.0036900	0.0037800	0.0040600	0.0039700	0.0031000
0.88000	0.028900	0.013800	0.011400	0.031800	0.0091200
	0.0075700	0.0079000	0.0068500	0.0064200	0.0060600
	0.0066900	0.0062100	0.0054900	0.0047500	0.0051400
	0.0044800	0.0044000	0.0049300	0.0050100	0.0034400
0.89000	0.024700	0.018400	0.013100	0.011300	0.0095200
	0.0083500	0.0085900	0.0076800	0.0071200	0.0072000
	0.0073900	0.0068400	0.0067200	0.0051400	0.0060000
	0.0054500	0.0049700	0.0053200	0.0052600	0.0040100
0.90000	0.025700	0.023100	0.014500	0.012700	0.010800
	0.0090300	0.0092400	0.0088800	0.0081400	0.0085800
	0.0085000	0.0080000	0.0076400	0.0062900	0.0061400
	0.0062800	0.0058500	0.0059100	0.0060300	0.0045400
0.91000	0.031500	0.023600	0.016800	0.014800	0.011700
	0.010600	0.010100	0.0096700	0.0093000	0.0092800
	0.0092500	0.0097000	0.0088300	0.0070800	0.0067000
	0.0074800	0.0066300	0.0065000	0.0066800	0.0053600
0.92000	0.029500	0.027500	0.018100	0.017000	0.013700
	0.012200	0.011900	0.011600	0.011600	0.0096200
	0.010500	0.010100	0.0095200	0.0078700	0.0078500
	0.0084800	0.0074100	0.0075000	0.0075400	0.0063000
0.93000	0.030000	0.028000	0.020000	0.018500	0.016300
	0.013600	0.012700	0.013500	0.013000	0.011500
	0.013200	0.011100	0.011100	0.0094200	0.0086200
	0.0099700	0.0085400	0.0081600	0.0085100	0.0067900
0.94000	0.038900	0.030200	0.021300	0.019600	0.017700

	0.016100	0.015000	0.014800	0.014100	0.012400
	0.012500	0.012800	0.012200	0.010600	0.0099200
	0.011000	0.0097200	0.0092000	0.0096600	0.0078600
0.95000	0.040300	0.033700	0.026600	0.021500	0.020400
	0.017600	0.016500	0.016000	0.015500	0.014800
	0.013100	0.015800	0.012600	0.012100	0.010800
	0.013100	0.011400	0.010300	0.011700	0.0088000
0.96000	0.048200	0.036000	0.028100	0.026200	0.020700
	0.021700	0.018300	0.018200	0.018300	0.016600
	0.014400	0.018000	0.015100	0.013300	0.012100
	0.015800	0.013700	0.011600	0.012200	0.010100
0.97000	0.048800	0.036700	0.033300	0.029900	0.023100
	0.024200	0.019900	0.020500	0.019000	0.018800
	0.016300	0.018500	0.016900	0.014800	0.013800
	0.016000	0.013700	0.013000	0.013300	0.011700
0.98000	0.061600	0.042100	0.038700	0.031400	0.027400
	0.030100	0.023700	0.024100	0.022200	0.024500
	0.018100	0.025300	0.018100	0.018300	0.016300
	0.016600	0.016400	0.014100	0.017200	0.013400
0.99000	0.067500	0.047300	0.039600	0.035800	0.032800
	0.037600	0.026700	0.026700	0.025400	0.022200
	0.020600	0.021500	0.021700	0.019700	0.018200
	0.019000	0.017500	0.015800	0.018800	0.015700
1.0000	0.067000	0.050700	0.048600	0.043500	0.037900
	0.041200	0.032200	0.033800	0.027100	0.024500
	0.023600	0.024700	0.024900	0.022300	0.021500
	0.021000	0.020400	0.017300	0.018300	0.018800

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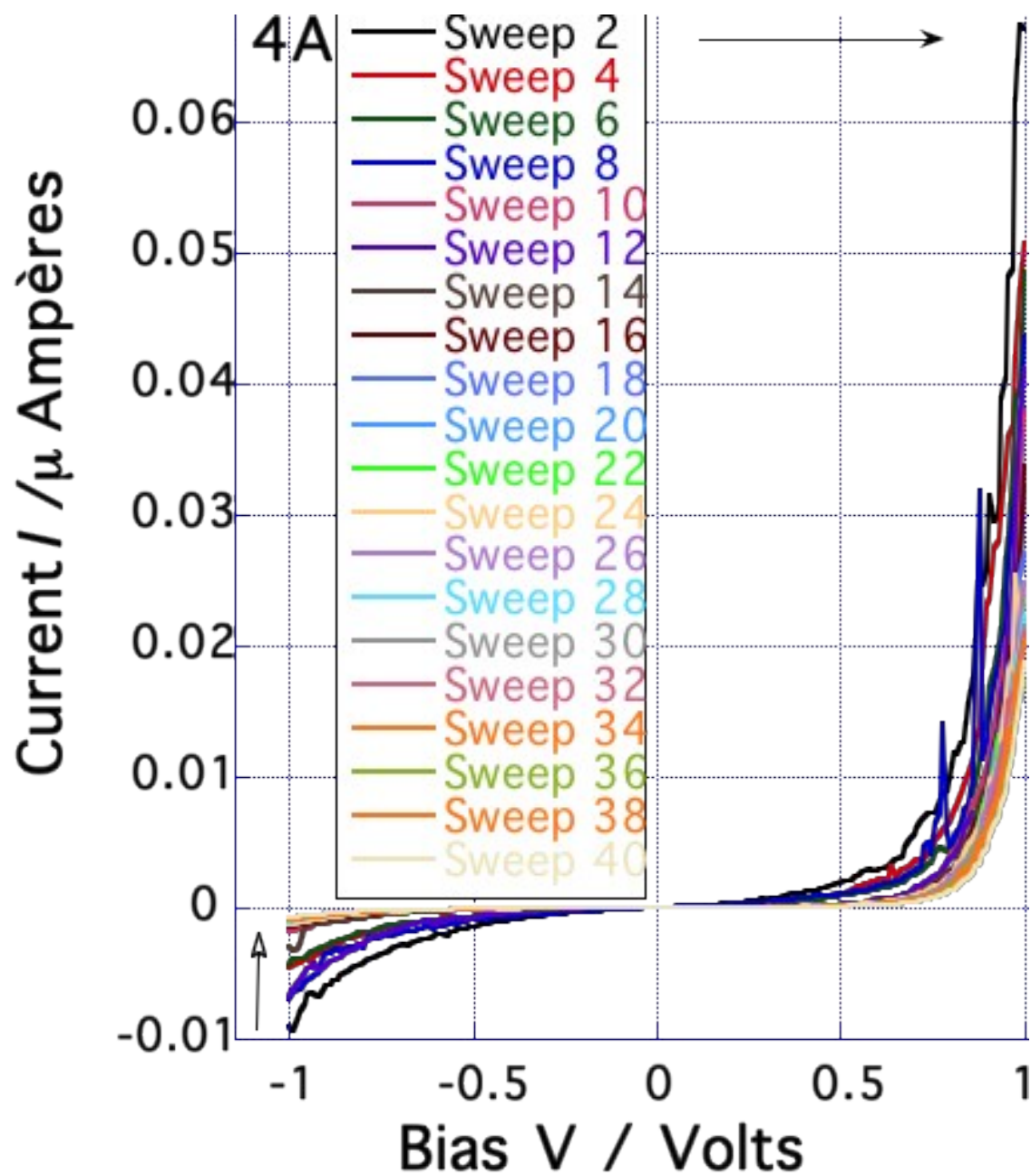


Figure 4A:contact1.N.to.P.IV.data

Figure 4B: Sandwich #1, negative to positive: log I vs V (to save space, the y-axis data are not listed in this document; they can be obtained trivially from IV data above).

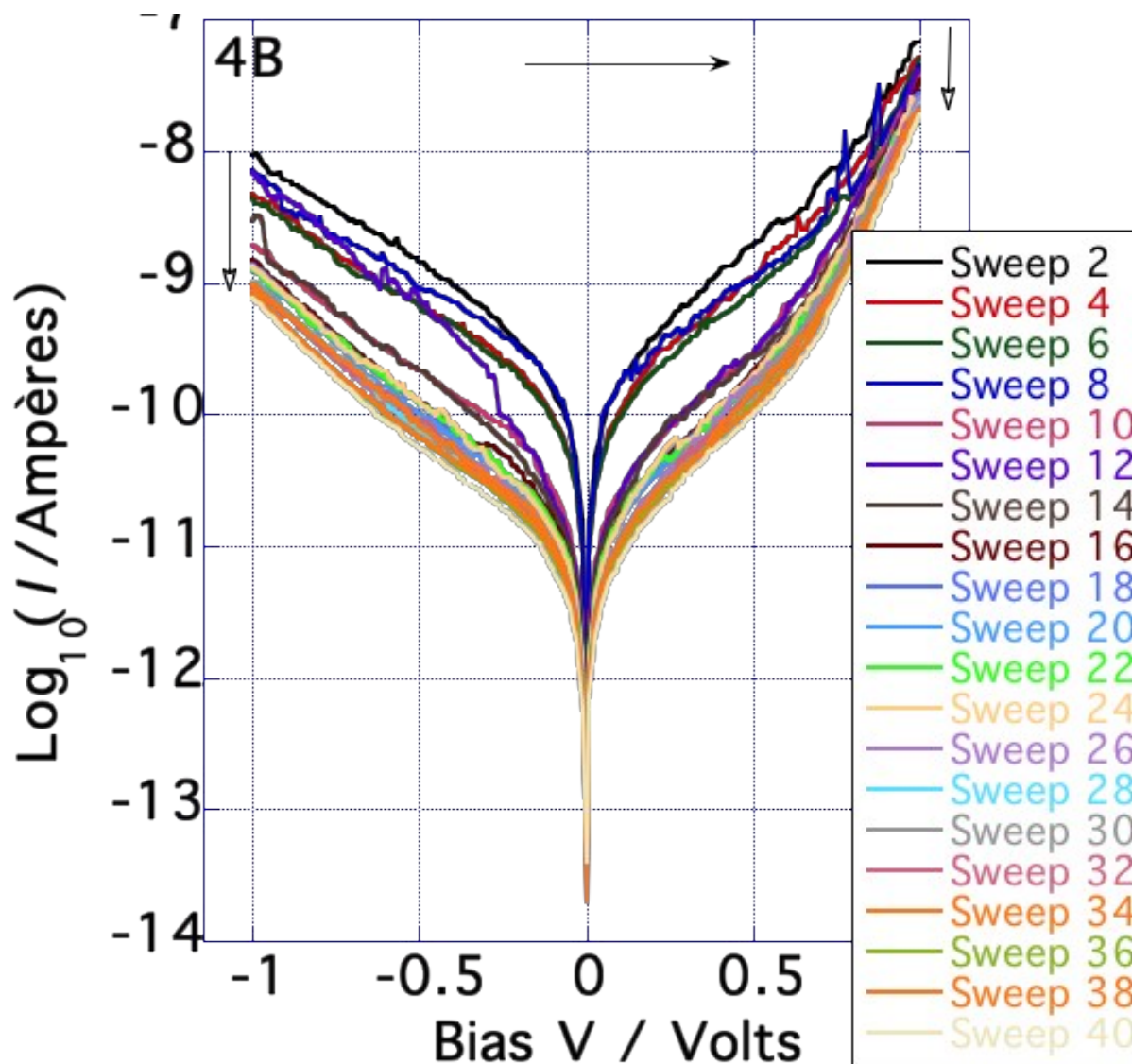


Figure 4B: Sandwich #1, negative to positive, log I versus V

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Data for Figure 4C: RR

Bias	Sweep 2	Sweep 4	Sweep 6	Sweep 8	Sweep 10	Sweep 12
	Sweep 14	Sweep 16	Sweep 18	Sweep 20	Sweep 22	Sweep 24
	Sweep 26	Sweep 28	Sweep 30	Sweep 32	Sweep 34	Sweep 36
	Sweep 38	Sweep 40				
1.0000	7.3588	10.871	11.196	6.2397	19.875	6.0636
	10.944	23.014	19.966	19.908	18.907	18.945
	24.584	21.950	21.595	22.803	20.630	20.897
	21.913	25.061				
0.99000	7.1664	10.711	10.177	5.5247	17.982	6.0332
	8.2462	19.021	19.794	18.915	16.830	17.140
	22.542	20.303	18.844	21.851	19.482	20.152

	23.815	22.021				
0.98000	7.1908	9.7848	10.065	4.9725	16.074	5.2196
	7.6715	18.054	18.085	21.824	16.064	21.361
	19.847	19.333	17.774	20.083	19.216	19.203
	22.689	19.857				
0.97000	6.0862	8.7803	8.7305	4.7180	14.057	4.3317
	7.0038	16.445	16.295	17.533	15.446	16.147
	19.889	16.738	16.142	20.183	17.220	18.858
	18.786	18.568				
0.96000	6.4578	9.3622	7.1911	4.6041	11.972	4.4293
	12.077	15.365	16.717	16.645	14.251	16.808
	18.600	16.069	15.053	21.033	17.621	17.924
	18.805	17.255				
0.95000	5.9975	8.6603	7.3203	3.8634	12.290	3.8362
	11.427	14.515	14.841	15.971	13.726	15.442
	16.622	15.606	13.941	18.496	15.403	16.672
	19.451	15.832				
0.94000	5.9816	6.9918	6.2610	3.6571	12.579	3.4875
	10.986	13.950	14.150	13.961	13.678	13.153
	17.089	14.286	13.254	16.377	13.770	15.590
	16.799	14.771				
0.93000	4.5149	7.4936	6.1506	3.5569	11.861	3.1809
	9.6335	13.157	13.775	13.622	15.010	12.052
	16.390	13.493	12.260	15.445	13.274	14.933
	15.778	13.392				
0.92000	4.3584	7.6609	5.6300	3.4628	10.806	2.5671
	9.4434	11.997	12.992	12.073	12.401	11.420
	14.675	11.837	11.681	13.804	11.665	14.533
	14.547	13.457				
0.91000	5.0650	7.0572	5.6184	4.0143	9.6702	2.3331
	8.4666	10.441	11.206	12.151	11.499	11.324
	14.503	11.580	10.582	12.791	10.927	13.351
	13.719	11.918				
0.90000	4.3595	7.1717	4.9069	3.6087	9.0312	2.0298
	8.0075	10.194	10.329	11.470	10.732	10.029
	13.318	10.548	10.320	11.446	10.243	12.786
	13.055	10.771				
0.89000	4.2001	5.8695	4.8048	3.2748	8.5239	2.0753
	7.2557	9.6067	9.4274	10.428	9.9796	8.9436
	12.377	9.0647	10.671	10.160	9.2987	12.225
	12.093	10.001				
0.88000	5.2448	4.6109	4.4923	9.6138	8.2839	1.8977
	7.0571	9.2155	8.9821	8.8517	9.8611	8.4030
	10.636	8.9409	9.6075	8.6755	8.4303	12.003
	12.296	9.2702				
0.87000	3.7237	4.3223	3.7319	5.6460	7.6037	1.7700
	6.6878	8.9857	8.1126	8.1667	8.4517	8.0143
	9.6307	7.6215	9.3481	7.5961	7.5530	10.553
	10.214	8.7981				
0.86000	3.3550	4.1876	3.7018	2.9614	8.3364	1.8600
	6.0152	8.3452	7.7198	8.6438	7.7873	7.7482
	9.7711	7.5506	9.1180	7.9522	6.9769	9.4556
	9.0267	8.0427				
0.85000	3.0889	4.2613	3.0911	2.4168	7.0882	1.8576
	5.4265	7.5459	6.9472	7.3114	6.8666	7.8060
	8.2722	6.7186	8.3005	6.4341	6.8383	8.6486
	8.2491	7.1642				
0.84000	2.6060	3.8853	3.0291	2.4416	6.5837	1.7958
	4.8858	6.7665	6.4978	6.6136	6.3370	6.9606
	8.0422	5.9929	7.7149	6.0466	6.3584	7.5947
	7.5397	6.7478				
0.83000	2.6890	3.7336	2.9712	2.0474	6.3042	1.4758
	4.4557	6.2099	5.9817	6.2498	6.4395	6.4767
	8.1005	5.4645	7.6510	5.6272	6.7678	6.8908

0.82000	6.4842	6.3934				
	2.5701	3.4618	2.6544	1.9812	5.6402	1.3819
	3.8100	5.2785	4.9266	6.2929	6.1702	6.4059
	7.9083	5.1182	6.4434	5.0612	5.4673	6.1821
0.81000	6.3883	5.9460				
	2.7081	3.4434	2.6157	1.9511	5.6937	1.4702
	3.5415	5.2541	4.8355	5.6968	5.5276	5.1887
	6.8121	4.9368	6.4145	4.9360	4.8235	6.4277
0.80000	5.6252	5.4754				
	2.3237	3.2038	2.3931	1.5282	5.2909	1.4036
	3.4120	4.9167	4.5063	5.0652	4.9509	5.0438
	7.1720	4.8454	5.2726	4.4986	4.7182	5.5053
0.79000	5.1205	5.1843				
	2.1590	3.2452	2.2656	2.1940	4.8997	1.3363
	3.1840	4.6375	4.1656	4.5822	4.4921	5.0184
	6.0806	4.2524	5.1482	4.3347	4.1946	5.0540
0.78000	4.6809	5.0436				
	2.2518	3.1715	2.4912	6.3641	4.6004	1.1422
	3.1276	4.4928	4.0671	4.2546	4.2539	4.4366
	5.4237	4.0443	4.4043	4.1171	3.9507	4.7348
0.77000	4.6628	4.7206				
	2.1265	3.0792	2.6162	3.1079	4.1542	1.2068
	2.9135	4.1271	3.7921	4.0519	4.1129	4.2249
	5.0317	3.6419	4.4069	3.8980	3.5445	4.5118
0.76000	4.4360	4.7210				
	1.9367	3.0580	2.5744	2.7677	4.0509	1.0995
	2.7000	4.0024	3.5231	3.9070	3.9823	4.1582
	4.4080	3.7189	4.2643	3.6051	3.3639	4.1163
0.75000	4.2901	4.2019				
	2.0254	2.6795	2.3185	1.8553	3.5770	1.1084
	2.8111	3.6666	3.4834	3.5730	3.4091	3.9072
	4.3203	3.6355	3.8806	3.4518	3.4092	3.8896
0.74000	4.1919	3.9037				
	2.1356	2.7124	2.3856	2.4450	3.6019	1.0039
	2.6283	3.4700	3.4379	3.4896	3.1113	4.1791
	4.0781	3.6297	3.6847	3.1714	3.2554	3.7769
0.73000	4.0629	3.7147				
	2.0782	2.4808	2.2446	2.2102	3.3570	1.0156
	2.3966	3.3242	3.3698	3.4296	2.9657	3.5395
	3.9944	3.0355	3.4881	3.1523	2.9601	3.6169
0.72000	3.7602	3.5163				
	2.1695	2.3176	2.1053	1.4365	2.9523	0.94045
	2.1456	3.1611	3.1503	3.5725	2.9084	3.6342
	3.8831	2.7565	3.3429	3.2422	2.7249	3.3690
0.71000	3.6226	3.0484				
	2.1329	2.5100	2.1481	1.5158	2.7333	0.96880
	2.1778	2.9043	2.8420	3.5248	2.5869	3.1549
	3.4769	2.6467	3.4811	2.7373	2.6749	3.2340
0.70000	3.3942	2.7196				
	1.8811	2.5699	2.0901	1.4061	2.7296	0.89800
	2.0204	2.9020	2.6805	3.3759	2.6312	2.9841
	3.7318	2.4920	3.2830	2.8453	2.5856	3.1985
0.69000	3.0880	2.6893				
	1.8413	2.3855	2.0155	1.3129	2.5699	0.85101
	1.9768	2.6970	2.7716	3.0838	2.6519	3.1096
	3.7180	2.3156	3.0134	2.4359	2.4125	2.9757
0.68000	2.9736	2.6264				
	1.6397	2.3353	1.8631	1.2959	2.3959	0.78815
	1.8905	2.6459	2.4868	3.0403	2.4616	3.1710
	3.3386	2.1511	2.8568	2.3719	2.3795	2.7795
0.67000	2.6958	2.5134				
	1.4231	2.3350	1.7850	1.2675	2.2892	0.78155
	1.8479	2.5157	2.5473	2.7994	2.5495	2.9668
	3.2047	2.0117	2.7870	2.4824	2.2312	2.6523

0.66000	2.5135	2.4990				
	1.4206	2.1027	1.6387	1.2015	2.3062	0.78561
	1.8212	2.3765	2.4544	2.7192	2.4151	2.4874
	2.7130	1.9635	2.6906	2.3782	2.3531	2.4930
0.65000	2.4236	2.3262				
	1.4516	2.1347	1.6784	1.2711	2.1293	0.75823
	1.7548	2.2864	2.3490	2.5396	2.2547	2.7002
	2.6420	1.8881	2.5956	2.1398	2.1773	2.4120
0.64000	2.3813	2.3602				
	1.3814	2.8360	1.6652	1.2180	2.1957	0.71217
	1.6914	2.2271	2.2733	2.4970	2.2571	2.4508
	2.6718	1.9381	2.5169	2.2020	2.2402	2.4025
0.63000	2.2681	2.2580				
	1.3761	2.2553	1.5285	1.2259	2.1886	0.72163
	1.6335	2.1259	2.1123	2.4493	2.1471	2.3256
	2.6190	1.8927	2.4251	1.9567	2.1099	2.3348
0.62000	2.2158	2.2654				
	1.2792	2.1684	1.6280	1.2727	2.0979	0.77804
	1.6186	2.0403	2.1234	2.3566	2.1033	2.0357
	2.7270	2.0534	2.4785	1.7978	2.0372	2.2538
0.61000	2.1206	2.2199				
	1.3489	2.4420	1.5081	0.99555	1.9167	0.55970
	1.5793	1.9510	2.0636	2.2511	1.9606	1.8803
	2.3945	1.5775	2.3907	1.9884	2.1593	2.2224
0.60000	2.2220	2.1517				
	1.3708	2.1438	1.5187	1.1101	2.2000	0.42550
	1.4021	1.9256	2.0332	2.1016	1.9250	1.7694
	2.3088	1.5906	2.2453	1.7319	2.0514	2.2019
0.59000	2.1989	2.0942				
	1.4246	2.2037	1.5204	1.0728	2.0570	0.53704
	1.3093	1.9374	1.9960	2.1191	1.8985	1.7549
	2.4657	1.9082	2.2935	1.7302	1.7888	2.1559
0.58000	1.9305	2.0246				
	1.5340	2.2046	1.4707	1.0744	1.7657	0.45266
	1.3344	1.9350	1.9702	2.0074	1.8444	1.8721
	2.4145	1.9142	2.2185	1.6840	1.7601	2.1216
0.57000	2.0201	1.8997				
	1.3335	2.1971	1.4684	1.1212	1.6581	0.45124
	1.3895	1.8825	1.8761	1.9722	1.8505	1.7989
	2.4200	1.8343	2.0734	1.6413	1.8076	2.0506
0.56000	1.9588	1.9305				
	1.4978	2.0409	1.4281	1.1125	1.6235	0.49413
	1.4172	1.8544	1.7607	1.8932	1.8198	1.9246
	2.4979	1.7414	2.0098	1.6665	1.7486	2.0443
0.55000	1.9082	1.7869				
	1.4200	2.0435	1.3558	1.1725	1.5680	0.49550
	1.3683	1.8120	1.7013	1.8827	1.7863	1.5824
	2.5057	1.7608	1.8668	1.6186	1.7261	1.9886
0.54000	1.8743	1.8990				
	1.4203	1.9313	1.3928	1.0667	1.5138	0.49513
	1.2741	1.7956	1.7303	1.8866	1.5455	1.6850
	2.3621	1.7195	1.9897	1.5175	1.6390	1.9207
0.53000	1.7745	1.8812				
	1.3166	1.6665	1.3211	1.1428	1.4909	0.46834
	1.2567	1.7536	1.6452	1.8760	1.4248	1.7116
	2.4013	1.7161	2.0715	1.4265	1.7716	1.9183
0.52000	1.7469	1.8464				
	1.3359	1.6054	1.3183	1.1625	1.4562	0.38116
	1.2452	1.7497	1.5295	1.8703	1.4334	1.5231
	2.3273	1.6280	1.8412	1.6716	1.7137	1.8525
0.51000	1.7855	1.7983				
	1.3057	1.5198	1.2969	1.1704	1.4384	0.36604
	1.2124	1.7730	1.5638	1.8434	1.5123	1.5917
	2.4394	1.6620	1.8415	1.6654	1.6539	1.8547

0.50000	1.6730	1.7870				
	1.3329	1.5899	1.2455	1.1623	1.3557	0.35243
	1.2679	1.7200	1.4979	1.8248	1.4086	1.5148
	2.3480	1.6641	1.8205	1.6209	1.7990	1.7893
0.49000	1.6033	1.7413				
	1.3236	1.6301	1.2911	1.1528	1.3051	0.40050
	1.3115	1.5648	1.4956	1.7367	1.4482	1.5364
	2.3319	1.5160	1.8057	1.4512	1.7242	1.7592
0.48000	1.5639	1.7643				
	1.3134	1.6215	1.3364	1.1999	1.3221	0.36266
	1.1890	1.5284	1.5535	1.7117	1.3763	1.5162
	1.9575	1.5388	1.7736	1.4694	1.6710	1.7207
0.47000	1.5841	1.6622				
	1.3613	1.5993	1.2645	1.0929	1.3323	0.40271
	1.2340	1.5694	1.5580	1.6608	1.3936	1.4923
	1.9632	1.5266	1.7419	1.4395	1.6006	1.6921
0.46000	1.5811	1.6603				
	1.2027	1.5081	1.2537	1.1106	1.2862	0.43918
	1.1913	1.4976	1.5332	1.6212	1.3850	1.5405
	1.8791	1.5487	1.8080	1.4322	1.5668	1.6675
0.45000	1.6642	1.7009				
	1.2410	1.5070	1.2590	1.0945	1.2891	0.47327
	1.1789	1.5245	1.4916	1.6018	1.3219	1.5183
	1.9326	1.5290	1.6249	1.4489	1.6043	1.6470
0.44000	1.5404	1.6712				
	1.1959	1.3992	1.2132	1.1496	1.2696	0.45500
	1.1749	1.4688	1.5849	1.6242	1.3391	1.2879
	1.9981	1.4697	1.6681	1.6032	1.5275	1.6372
0.43000	1.5679	1.5752				
	1.2158	1.3004	1.1215	1.1132	1.2893	0.46632
	1.1496	1.4512	1.5049	1.5156	1.4023	1.2451
	1.9406	1.4310	1.6392	1.4145	1.5954	1.6207
0.42000	1.5778	1.5730				
	1.2475	1.5567	1.1160	1.1080	1.3186	0.49199
	1.1889	1.4213	1.4702	1.5010	1.3558	1.2768
	1.7405	1.4320	1.5215	1.3461	1.5350	1.5847
0.41000	1.5150	1.5634				
	1.2611	1.4539	1.1477	1.0271	1.2772	0.47051
	1.1609	1.4271	1.4977	1.5277	1.3463	1.3892
	1.5714	1.3736	1.5355	1.3597	1.3916	1.5600
0.40000	1.5482	1.5505				
	1.2378	1.4141	1.1346	1.0237	1.2967	0.46793
	1.2590	1.4085	1.4603	1.5331	1.3825	1.3095
	1.4819	1.3409	1.4856	1.4278	1.2544	1.5707
0.39000	1.5051	1.5429				
	1.1777	1.3114	1.1047	1.0395	1.2306	0.46209
	1.2525	1.3859	1.4494	1.5602	1.3879	1.3655
	1.6513	1.3365	1.3696	1.4137	1.3621	1.4931
0.38000	1.4540	1.5527				
	1.1957	1.3448	1.1341	0.99760	1.2130	0.48709
	1.1394	1.3940	1.3566	1.5262	1.3019	1.3833
	1.4216	1.3369	1.3508	1.3559	1.4321	1.4645
0.37000	1.3989	1.6269				
	1.2333	1.1418	1.2177	1.0242	1.2039	0.48019
	1.1857	1.4174	1.4501	1.4522	1.1976	1.3109
	1.4342	1.3615	1.3945	1.4666	1.2443	1.4700
0.36000	1.3483	1.6162				
	1.1416	1.2506	1.1447	0.98220	1.1369	0.43652
	1.3363	1.3988	1.4120	1.5130	1.1423	1.4302
	1.4333	1.3238	1.3065	1.4396	1.1879	1.4454
0.35000	1.3348	1.5270				
	1.1260	1.2409	1.3024	1.0163	1.0669	0.45492
	1.3547	1.3499	1.3980	1.4783	1.1256	1.5807
	1.4369	1.3393	1.3844	1.4082	1.1368	1.4135

	1.3703	1.4778				
0.34000	1.1300	1.2101	1.2228	0.97385	1.0522	0.47171
	1.2541	1.3447	1.3800	1.4928	1.1763	1.4688
	1.4680	1.2962	1.3483	1.4780	1.1500	1.4154
	1.3455	1.4583				
0.33000	1.0959	1.2348	1.0866	1.0247	1.0352	0.47227
	1.1962	1.2707	1.3443	1.4402	1.1846	1.2848
	1.5455	1.3331	1.3690	1.2940	1.1404	1.4041
	1.3923	1.4496				
0.32000	1.0608	1.2283	1.1632	0.94077	1.0485	0.45850
	1.2015	1.2462	1.3493	1.3911	1.1822	1.2226
	1.3987	1.2952	1.3293	1.4728	1.0987	1.3549
	1.3662	1.4065				
0.31000	1.0508	1.2080	1.1560	0.85273	1.1136	0.46857
	1.2801	1.2739	1.3416	1.3478	1.1206	1.2009
	1.3500	1.2823	1.3352	1.4210	1.0822	1.3289
	1.3435	1.4198				
0.30000	1.0741	1.2405	1.1468	0.89150	1.1091	0.46002
	1.1285	1.0784	1.3335	1.3449	1.1087	1.3335
	1.4285	1.2248	1.2721	1.4022	1.0581	1.3463
	1.3446	1.4136				
0.29000	1.1488	1.2088	1.1362	0.84929	1.0729	0.52444
	1.1419	1.0572	1.3509	1.3335	1.0904	1.4145
	1.4389	1.2809	1.2667	1.4006	1.0657	1.3335
	1.3458	1.3368				
0.28000	1.1414	1.2164	1.0738	1.0065	1.0529	0.48509
	1.2709	0.99811	1.3962	1.3045	1.1735	1.3172
	1.3279	1.2935	1.2062	1.4396	1.0649	1.3469
	1.3338	1.3561				
0.27000	1.1310	1.1962	1.0558	1.0024	0.98268	0.49255
	1.3583	1.0034	1.3499	1.2749	1.0973	1.6772
	1.2432	1.2390	1.2235	1.2030	1.0379	1.3086
	1.2991	1.3088				
0.26000	1.0837	1.1838	1.0455	0.96039	0.95734	0.85078
	1.3811	0.99369	1.3252	1.2787	1.0890	1.7875
	1.2825	1.2170	1.2135	1.2103	1.0177	1.2871
	1.2970	1.2858				
0.25000	1.0887	1.2587	1.1352	0.99139	1.0171	0.83031
	1.3922	0.96689	1.2867	1.3023	1.1614	1.7936
	1.2487	1.2031	1.2908	1.2079	0.98653	1.2772
	1.3089	1.2076				
0.24000	1.0720	1.2003	1.0640	1.0673	0.90899	0.82375
	1.3578	0.96878	1.2842	1.2768	1.3325	1.7109
	1.2429	1.2367	1.2372	1.1958	0.99119	1.2633
	1.3061	1.2104				
0.23000	1.1292	1.2358	0.99054	0.93830	0.87675	0.79811
	1.2224	0.95188	1.2489	1.2877	1.3024	1.4811
	1.1745	1.2365	1.2081	1.1323	0.96875	1.2480
	1.2892	1.1656				
0.22000	1.0761	1.2696	1.0459	0.90595	0.95566	0.82962
	1.2438	0.99185	1.2285	1.2402	1.4130	1.5192
	1.1414	1.2167	1.1676	1.1598	0.94479	1.2400
	1.2897	1.1701				
0.21000	1.0898	1.2350	1.0166	0.94325	0.84860	0.80888
	1.2691	0.98959	1.2046	1.2402	1.3568	1.3931
	1.1699	1.1545	1.1592	1.1757	0.94744	1.2225
	1.2542	1.1523				
0.20000	1.1166	1.1584	1.0808	0.95042	0.92309	0.79274
	1.2731	0.97204	1.1805	1.2551	1.2664	1.3527
	1.1511	1.1476	1.1865	1.1567	0.93690	1.2144
	1.2461	1.1781				
0.19000	1.1061	1.1154	1.0619	0.91226	0.89540	0.78761
	1.1909	0.96415	1.1793	1.2482	1.1951	1.4652
	1.1404	1.1252	1.1311	1.1512	0.87852	1.1820

0.18000	1.2157	1.1288				
	1.0706	1.1140	1.1177	0.82824	0.89092	0.88121
	1.1492	1.0291	1.1709	1.2585	1.1815	1.2301
	1.1888	1.0915	1.1375	1.1395	0.85406	1.1928
0.17000	1.2247	1.1388				
	1.0392	1.1276	1.1136	0.85885	0.85603	0.88733
	1.2433	0.95032	1.1712	1.2282	1.1701	1.2836
	1.1859	1.0860	1.1090	1.1437	0.81177	1.2076
0.16000	1.1819	1.1267				
	1.0433	1.0842	1.0484	0.77689	0.82500	0.84951
	1.1348	0.96709	1.1699	1.2070	1.1606	1.2603
	1.0713	1.0902	1.1402	1.0594	0.82538	1.1582
0.15000	1.1907	1.1220				
	1.0173	1.1208	1.0098	1.0326	1.0034	0.85723
	0.99529	1.0312	1.1869	1.2076	1.1848	1.2164
	1.0725	1.0924	1.1200	1.1028	0.84918	1.1556
0.14000	1.1707	1.1102				
	0.96049	1.0924	1.0492	0.77736	0.95464	0.86102
	1.0079	1.0270	1.1568	1.2010	1.1532	1.2417
	1.0773	1.0886	1.0830	1.0967	0.82878	1.1379
0.13000	1.1275	1.0536				
	1.0138	1.0525	1.0044	0.96039	0.97293	0.91722
	0.99327	1.0348	1.1510	1.1926	1.1804	1.1862
	1.0663	1.0652	1.1191	1.0804	0.82636	1.1431
0.12000	1.1210	1.0863				
	1.0888	1.0806	0.99043	1.0550	0.89114	1.1230
	1.0115	1.0175	1.1273	1.0983	1.1373	1.1677
	1.1448	1.0718	1.0832	1.0422	0.81245	1.1175
0.11000	1.1198	1.0793				
	1.0716	1.0470	1.0064	1.0074	0.92146	1.0393
	1.0247	1.0079	1.0958	1.1402	1.0886	1.1475
	1.0611	1.0677	1.1097	1.0633	0.84011	1.0926
0.10000	1.1231	1.1146				
	1.0987	1.0180	1.0111	1.0148	0.93686	1.0244
	1.0435	1.0440	1.0898	1.1131	1.0767	1.1326
	1.0710	1.0661	1.0559	1.0570	0.80283	1.0739
0.090000	1.1098	1.1139				
	1.1200	1.0480	1.0648	0.94641	0.92834	0.94625
	1.0074	1.0216	1.1091	1.1055	1.0934	1.0758
	1.0717	1.0870	1.0625	1.0304	0.77477	1.0924
0.080000	1.0851	1.0929				
	1.0853	1.0272	0.99742	0.98500	0.93383	0.99942
	1.0441	1.0047	1.0827	1.1202	1.0851	1.1001
	1.1107	1.0616	1.0630	1.0505	0.82987	1.0585
0.070000	1.0764	1.1098				
	1.0743	1.0595	1.0206	0.94996	1.0056	0.98972
	1.0288	1.0118	1.0821	1.1144	1.0565	1.0865
	1.0484	1.0598	1.0551	1.0523	0.81047	1.0462
0.060000	1.0527	1.0913				
	1.0472	1.0287	1.0126	1.0843	0.94744	1.0379
	1.0357	1.0418	1.0579	1.0697	1.0752	1.0441
	1.0452	1.0578	1.0341	1.0480	0.82143	1.0240
0.050000	1.0772	1.0611				
	0.97491	1.0324	0.94953	1.1723	1.0000	1.0364
	0.99185	1.0217	1.0542	1.0493	1.0563	0.98712
	1.0320	1.0116	1.0142	1.0196	1.0561	1.0120
0.040000	1.0347	1.0379				
	1.0099	0.98387	0.97590	0.82665	0.95156	1.0423
	1.0066	1.0128	1.0607	1.0393	1.0671	1.0287
	0.96651	1.0238	1.0104	1.0000	1.0189	1.0640
0.030000	1.0241	1.0725				
	1.0235	0.98176	1.0272	0.88358	1.0725	0.96235
	1.0141	1.0149	1.0566	1.0253	1.0112	1.0465
	1.0461	1.0319	1.0424	1.0147	1.0388	1.0364

	1.0108	1.0625				
0.020000	1.0036	1.0680	1.0301	0.95056	0.96701	0.95413
	0.99736	1.0192	1.0152	1.0305	1.0068	1.0551
	1.0302	1.0359	1.0652	1.0343	1.0127	1.0633
	1.0391	1.0806				
0.0100000	0.94849	0.97188	0.94904	1.1142	1.0000	1.0505
	0.96875	0.98077	1.0233	1.0236	1.0138	1.0410
	0.92453	1.1000	1.0000	1.0843	1.0811	1.0256
	1.0345	1.2281				

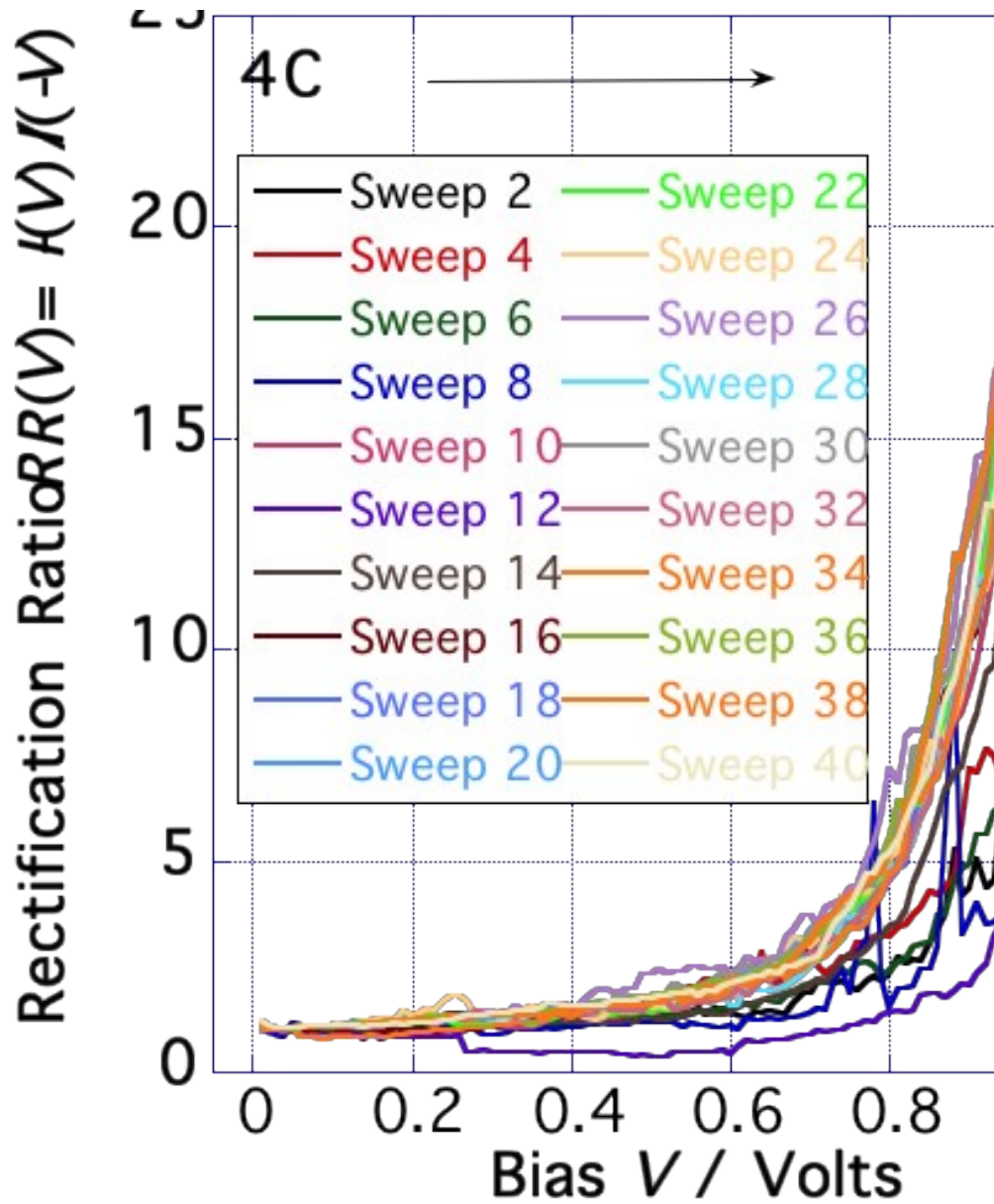


Figure 4C: Sandwich #1, Negative to positive bias: Voltage vs. rectification ratio data:

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Bias (Volts), Current (microamperes) for Figure 4D

Bias V (Volts)	Sweep 1 Sweep 11 Sweep 21 Sweep 31	sweep 3 sweep 13 sweep 23 sweep 33	sweep5 sweep 15 sweep 25 sweep 35	sweep 7 sweep 17 sweep 27 sweep 37	sweep 9 sweep 19 sweep 29 sweep 39
1.0000	0.12800 0.037800 0.025100 0.021700	0.069300 0.042700 0.025000 0.021000	0.052000 0.031800 0.025100 0.020600	0.049700 0.030900 0.028600 0.017600	0.038400 0.026700 0.022400 0.017800
0.99000	0.10600 0.039600 0.023600 0.025300	0.059200 0.036800 0.024900 0.019400	0.053800 0.031000 0.024000 0.018800	0.041600 0.030800 0.023800 0.016500	0.036400 0.026000 0.020300 0.017000
0.98000	0.10500 0.036900 0.022700 0.023300	0.061400 0.033100 0.023100 0.018800	0.054100 0.027900 0.021300 0.017100	0.036500 0.026700 0.025700 0.015000	0.036300 0.024500 0.019100 0.016000
0.97000	0.092800 0.031900 0.020700 0.016700	0.054500 0.028300 0.020900 0.016500	0.040400 0.026500 0.018900 0.015600	0.032000 0.023100 0.019000 0.014200	0.032900 0.022300 0.018300 0.014400
0.96000	0.081600 0.028800 0.017800 0.016600	0.052100 0.025600 0.019800 0.014800	0.038200 0.023300 0.016800 0.014100	0.031700 0.019600 0.017000 0.013300	0.030800 0.020100 0.018100 0.013400
0.95000	0.065800 0.028000 0.016600 0.015000	0.043900 0.021900 0.018700 0.015400	0.042300 0.022100 0.015700 0.013000	0.030300 0.019600 0.016400 0.012400	0.025200 0.018900 0.016500 0.013000
0.94000	0.062300 0.025800 0.015600 0.012800	0.041700 0.020900 0.015900 0.013600	0.033800 0.019400 0.014300 0.011000	0.032300 0.017900 0.014000 0.011500	0.023000 0.017200 0.014200 0.011800
0.93000	0.055100 0.023900 0.015000 0.012300	0.036500 0.018600 0.014300 0.012400	0.032400 0.018100 0.013200 0.010100	0.025200 0.016600 0.012500 0.010500	0.022200 0.016500 0.013900 0.010600
0.92000	0.049100 0.019600 0.013100 0.010500	0.029600 0.018100 0.012100 0.010900	0.029900 0.016800 0.011900 0.0091500	0.021300 0.014600 0.011800 0.0098900	0.019800 0.014400 0.013800 0.0093500
0.91000	0.040500 0.016600 0.012000 0.0093700	0.028400 0.015400 0.012100 0.0095900	0.024500 0.015200 0.010200 0.0083900	0.018100 0.015300 0.011200 0.0084100	0.019200 0.012800 0.011200 0.0084900
0.90000	0.041800 0.015200 0.010500 0.0083300	0.024100 0.013800 0.010600 0.0092000	0.023200 0.014100 0.0096800 0.0075700	0.020200 0.013900 0.0094300 0.0075500	0.015800 0.011400 0.0100000 0.0076700
0.89000	0.037300 0.014000 0.0093700 0.0073500	0.023900 0.013000 0.010800 0.0077300	0.020200 0.012800 0.0082200 0.0067700	0.015400 0.011600 0.0091000 0.0069300	0.014100 0.010600 0.0096800 0.0067200
0.88000	0.032100 0.011900 0.0085000 0.0066800	0.020000 0.012000 0.0094300 0.0069800	0.018500 0.010900 0.0078000 0.0061400	0.015300 0.011000 0.0083300 0.0062900	0.013700 0.0091900 0.0080800 0.0058800
0.87000	0.030600 0.010400 0.0079400 0.0059800	0.018100 0.011100 0.0087200 0.0063600	0.015400 0.010200 0.0069100 0.0056000	0.021800 0.0096700 0.0073300 0.0059400	0.012900 0.0083500 0.0065400 0.0053100
0.86000	0.026600	0.018400	0.013900	0.014600	0.011700

	0.011900	0.0098500	0.0090000	0.0084000	0.0078100
	0.0070300	0.0083400	0.0058700	0.0065400	0.0059100
	0.0052600	0.0055900	0.0051000	0.0051500	0.0049800
0.85000	0.023000	0.015200	0.013600	0.012900	0.0092300
	0.010100	0.0082300	0.0081900	0.0076600	0.0065300
	0.0064800	0.0069700	0.0055200	0.0054100	0.0051200
	0.0047900	0.0053000	0.0045400	0.0046100	0.0042600
0.84000	0.022600	0.013000	0.012400	0.012900	0.0089500
	0.010500	0.0069000	0.0072000	0.0069000	0.0056200
	0.0057400	0.0056400	0.0046800	0.0050600	0.0046600
	0.0043700	0.0046000	0.0041800	0.0043100	0.0039300
0.83000	0.021400	0.011200	0.011000	0.018100	0.0072400
	0.0094200	0.0061800	0.0063300	0.0062000	0.0050900
	0.0051900	0.0049400	0.0041900	0.0044500	0.0041400
	0.0040500	0.0040700	0.0037000	0.0038900	0.0034700
0.82000	0.020900	0.010300	0.010300	0.017900	0.0068000
	0.0086300	0.0057100	0.0054700	0.0055300	0.0045300
	0.0046800	0.0045800	0.0036000	0.0045900	0.0037200
	0.0034200	0.0037200	0.0034600	0.0035100	0.0030900
0.81000	0.020300	0.0099100	0.0087400	0.014200	0.0062400
	0.0048100	0.0050200	0.0052200	0.0048900	0.0039600
	0.0042100	0.0040200	0.0032100	0.0045100	0.0035900
	0.0030300	0.0033600	0.0029700	0.0031900	0.0027600
0.80000	0.016900	0.0094400	0.0074200	0.014400	0.0056100
	0.0045600	0.0044000	0.0047800	0.0042000	0.0036200
	0.0037000	0.0034800	0.0028900	0.0039200	0.0030900
	0.0026900	0.0029200	0.0026000	0.0031100	0.0024400
0.79000	0.015200	0.0095700	0.0062300	0.015100	0.0053600
	0.0049700	0.0042000	0.0047100	0.0038900	0.0031000
	0.0033400	0.0031900	0.0024800	0.0030900	0.0027900
	0.0025500	0.0026500	0.0023600	0.0029500	0.0022200
0.78000	0.014300	0.0080600	0.0057100	0.014000	0.0045700
	0.0043600	0.0039000	0.0040600	0.0035200	0.0028000
	0.0031900	0.0029800	0.0022100	0.0028400	0.0024900
	0.0021700	0.0022900	0.0022700	0.0025600	0.0019900
0.77000	0.018700	0.0073500	0.0052400	0.014300	0.0041400
	0.0045400	0.0034200	0.0035600	0.0030200	0.0024900
	0.0028900	0.0025900	0.0019700	0.0022900	0.0022600
	0.0019700	0.0021500	0.0021800	0.0021800	0.0018200
0.76000	0.012500	0.0064400	0.0047500	0.014200	0.0038400
	0.0072800	0.0029700	0.0031900	0.0027400	0.0025800
	0.0026000	0.0023500	0.0018100	0.0021800	0.0020600
	0.0018100	0.0018900	0.0019100	0.0020100	0.0016100
0.75000	0.011900	0.0063800	0.0043700	0.0065200	0.0033100
	0.0028600	0.0027200	0.0029900	0.0022900	0.0021200
	0.0023000	0.0021500	0.0016400	0.0018200	0.0017900
	0.0016900	0.0017700	0.0016500	0.0017800	0.0014600
0.74000	0.011700	0.0062900	0.0040300	0.0063700	0.0031400
	0.0025500	0.0022800	0.0025800	0.0021600	0.0020700
	0.0020000	0.0019400	0.0014900	0.0016500	0.0016100
	0.0014500	0.0015600	0.0014700	0.0016800	0.0013200
0.73000	0.0100000	0.0051300	0.0039600	0.0073600	0.0028400
	0.0022600	0.0020800	0.0022300	0.0018700	0.0017300
	0.0019600	0.0017600	0.0013400	0.0014600	0.0015700
	0.0013100	0.0014100	0.0013400	0.0015100	0.0011800
0.72000	0.0096400	0.0046100	0.0036900	0.0066800	0.0027000
	0.0021600	0.0019700	0.0019700	0.0018000	0.0015500
	0.0016700	0.0015700	0.0012200	0.0013000	0.0013600
	0.0012000	0.0012400	0.0011500	0.0011600	0.0010400
0.71000	0.0089100	0.0044000	0.0034500	0.0061100	0.0024700
	0.0018700	0.0020800	0.0018500	0.0016400	0.0013700
	0.0014900	0.0014400	0.0010800	0.0012000	0.0012700
	0.0011100	0.0011300	0.0010300	0.0010400	0.00096200
0.70000	0.0087800	0.0039900	0.0031700	0.0061600	0.0022400

	0.0017600	0.0017400	0.0015900	0.0014600	0.0013300
	0.0013400	0.0013300	0.00099100	0.0010600	0.0011200
	0.0010400	0.00099700	0.00097700	0.00093600	0.00089000
0.69000	0.0082900	0.0036700	0.0030300	0.0061100	0.0022800
	0.0019400	0.0016000	0.0014200	0.0013100	0.0012400
	0.0012000	0.0012200	0.00091900	0.00094000	0.0010900
	0.00091500	0.00091600	0.00082300	0.00087800	0.00079400
0.68000	0.0083400	0.0035300	0.0026400	0.0058200	0.0020000
	0.0015600	0.0014800	0.0012800	0.0012500	0.0011200
	0.0011200	0.0011000	0.00078600	0.00083700	0.00087200
	0.00082400	0.00082900	0.00075700	0.00076500	0.00077200
0.67000	0.0073100	0.0034300	0.0027500	0.0055400	0.0020600
	0.0013600	0.0013200	0.0011600	0.0010900	0.0010100
	0.0010100	0.0010100	0.00074200	0.00075900	0.00077000
	0.00075000	0.00077200	0.00066700	0.00069700	0.00065800
0.66000	0.0066900	0.0029000	0.0025900	0.0052400	0.0018700
	0.0012800	0.0012300	0.0010900	0.0010200	0.00091200
	0.00090600	0.00097800	0.00066800	0.00071000	0.00071400
	0.00069100	0.00069400	0.00061100	0.00065300	0.00059200
0.65000	0.0064400	0.0032200	0.0025500	0.0046800	0.0016800
	0.0012000	0.0011500	0.0010600	0.00095300	0.00089200
	0.00082600	0.00088700	0.00063300	0.00064800	0.00069900
	0.00062500	0.00062700	0.00056500	0.00058400	0.00053600
0.64000	0.0058000	0.0029200	0.0023200	0.0045600	0.0015900
	0.0011300	0.0010500	0.00091300	0.00085700	0.00081900
	0.00076800	0.00081800	0.00058600	0.00060000	0.00063100
	0.00057600	0.00057100	0.00051300	0.00052200	0.00048800
0.63000	0.0057300	0.0028500	0.0022000	0.0043200	0.0014800
	0.0010500	0.00095600	0.00086200	0.00079500	0.00078700
	0.00069900	0.00075400	0.00051900	0.00054100	0.00058700
	0.00052800	0.00052200	0.00047000	0.00046900	0.00044400
0.62000	0.0054800	0.0024300	0.0018400	0.0041000	0.0013300
	0.00098300	0.00089500	0.00080800	0.00073400	0.00069300
	0.00064900	0.00069800	0.00049500	0.00050900	0.00057900
	0.00048800	0.00050200	0.00042900	0.00043000	0.00040700
0.61000	0.0053000	0.0023500	0.0020700	0.0039800	0.0012800
	0.00093700	0.00084500	0.00078200	0.00069700	0.00063600
	0.00060200	0.00062900	0.00044500	0.00045900	0.00048400
	0.00044900	0.00045900	0.00039500	0.00040700	0.00037200
0.60000	0.0053100	0.0020800	0.0016300	0.0038100	0.0011900
	0.00088900	0.00083500	0.00073200	0.00065900	0.00059400
	0.00057800	0.00058100	0.00042400	0.00042700	0.00043800
	0.00041500	0.00042400	0.00036800	0.00036200	0.00034500
0.59000	0.0048500	0.0019900	0.0015400	0.0036600	0.0011000
	0.00084100	0.00075400	0.00064400	0.00059100	0.00055100
	0.00052100	0.00053800	0.00039000	0.00040200	0.00041100
	0.00039000	0.00038100	0.00034300	0.00033600	0.00031400
0.58000	0.0046800	0.0018600	0.0014200	0.0034500	0.0010300
	0.00080900	0.00070100	0.00059700	0.00055100	0.00051800
	0.00047900	0.00049400	0.00036300	0.00037100	0.00038300
	0.00035800	0.00036000	0.00032000	0.00030800	0.00029100
0.57000	0.0045300	0.0017100	0.0013300	0.0036500	0.0010200
	0.00070000	0.00065500	0.00055000	0.00050800	0.00046900
	0.00045700	0.00048000	0.00034600	0.00035000	0.00036300
	0.00033500	0.00034100	0.00030700	0.00028900	0.00026900
0.56000	0.0041300	0.0016400	0.0013000	0.0036600	0.00093100
	0.00066200	0.00060300	0.00054200	0.00046900	0.00044400
	0.00041800	0.00043200	0.00031900	0.00032200	0.00033700
	0.00031200	0.00031600	0.00028200	0.00027000	0.00025400
0.55000	0.0041400	0.0015200	0.0011900	0.0035100	0.00086000
	0.00062100	0.00056400	0.00051400	0.00044400	0.00041500
	0.00040500	0.00041200	0.00030100	0.00030000	0.00031900
	0.00029700	0.00028900	0.00026400	0.00025100	0.00023500
0.54000	0.0039100	0.0014500	0.0011700	0.0031200	0.00082300

	0.00058800	0.00052200	0.00048600	0.00042100	0.00038900
	0.00036900	0.00037400	0.00028200	0.00028300	0.00029800
	0.00027100	0.00027000	0.00024400	0.00023300	0.00021900
0.53000	0.0037200	0.0014200	0.0011000	0.0030200	0.00078600
	0.00056000	0.00049000	0.00046100	0.00039900	0.00035000
	0.00035200	0.00034300	0.00026400	0.00026000	0.00031700
	0.00025600	0.00025200	0.00023000	0.00022500	0.00020500
0.52000	0.0036400	0.0013600	0.0010200	0.0030600	0.00075500
	0.00053500	0.00047500	0.00042900	0.00037500	0.00033900
	0.00032700	0.00032200	0.00024600	0.00024700	0.00029500
	0.00023700	0.00023700	0.00021600	0.00021100	0.00019300
0.51000	0.0033200	0.0013300	0.0010300	0.0033000	0.00072800
	0.00049600	0.00045200	0.00040200	0.00034500	0.00031400
	0.00030200	0.00030400	0.00023400	0.00023000	0.00027400
	0.00023000	0.00021900	0.00020100	0.00019900	0.00018200
0.50000	0.0031800	0.0012800	0.00099500	0.0032200	0.00071200
	0.00047200	0.00042300	0.00038300	0.00032200	0.00029300
	0.00028100	0.00027900	0.00021900	0.00021400	0.00026700
	0.00021500	0.00020700	0.00018800	0.00018600	0.00016800
0.49000	0.0030200	0.0011800	0.00090800	0.0032300	0.00066700
	0.00044500	0.00040900	0.00035800	0.00030500	0.00026900
	0.00026100	0.00026300	0.00020900	0.00020000	0.00025000
	0.00019900	0.00019600	0.00017700	0.00017200	0.00016500
0.48000	0.0028600	0.0010900	0.00087100	0.0031200	0.00076200
	0.00042500	0.00038700	0.00033600	0.00029100	0.00025800
	0.00024600	0.00024900	0.00019800	0.00018900	0.00023400
	0.00018900	0.00018600	0.00016700	0.00016400	0.00015600
0.47000	0.0028000	0.0010700	0.00084200	0.0029900	0.00061700
	0.00040200	0.00037300	0.00031700	0.00027400	0.00024500
	0.00022800	0.00023700	0.00019000	0.00017900	0.00022400
	0.00017400	0.00017400	0.00015800	0.00015500	0.00014100
0.46000	0.0027500	0.0010600	0.00079800	0.0028700	0.00057200
	0.00038000	0.00035800	0.00029900	0.00025800	0.00023300
	0.00022300	0.00022700	0.00017800	0.00016500	0.00021100
	0.00016300	0.00016700	0.00014800	0.00014900	0.00013100
0.45000	0.0026300	0.00096900	0.00081200	0.0025400	0.00051600
	0.00035200	0.00035800	0.00028800	0.00024600	0.00021400
	0.00020900	0.00021900	0.00016600	0.00015600	0.00019800
	0.00015300	0.00015700	0.00014100	0.00013900	0.00012500
0.44000	0.0024400	0.00089700	0.00072900	0.0025900	0.00049800
	0.00033700	0.00032600	0.00026800	0.00023600	0.00020400
	0.00018900	0.00020000	0.00015800	0.00014700	0.00018700
	0.00014500	0.00014900	0.00013200	0.00013200	0.00011600
0.43000	0.0024000	0.00084500	0.00068100	0.0021300	0.00047800
	0.00032100	0.00030500	0.00025100	0.00022000	0.00019300
	0.00018200	0.00019000	0.00015100	0.00014000	0.00018000
	0.00013700	0.00013800	0.00012400	0.00012500	0.00011300
0.42000	0.0022600	0.00081800	0.00068300	0.0023900	0.00047000
	0.00030400	0.00028800	0.00025500	0.00020700	0.00018000
	0.00017400	0.00018300	0.00013800	0.00013300	0.00017400
	0.00012700	0.00013100	0.00011800	0.00011700	0.00010400
0.41000	0.0021500	0.00076900	0.00060200	0.0023300	0.00039500
	0.00028600	0.00027700	0.00024300	0.00019700	0.00017100
	0.00016200	0.00016500	0.00012800	0.00012700	0.00016500
	0.00012100	0.00012200	0.00011100	0.00011300	9.8100e-05
0.40000	0.0020000	0.00074400	0.00056700	0.0021100	0.00037800
	0.00027400	0.00026300	0.00022500	0.00018500	0.00016300
	0.00016300	0.00016700	0.00012100	0.00011700	0.00016100
	0.00011400	0.00011600	0.00010600	0.00010600	9.3500e-05
0.39000	0.0018900	0.00071700	0.00055200	0.0021600	0.00035300
	0.00026200	0.00024900	0.00021600	0.00017300	0.00015400
	0.00014500	0.00015500	0.00011500	0.00010900	0.00014900
	0.00010800	0.00011000	0.00010100	9.8100e-05	8.7100e-05
0.38000	0.0017900	0.00067300	0.00051800	0.0020800	0.00033300

	0.00024600	0.00023600	0.00020100	0.00016400	0.00014400	
	0.00013900	0.00014700	0.00010800	0.00010300	0.00014000	
	0.00010100	0.00010500	9.3100e-05	9.1100e-05	8.2800e-05	
0.37000	0.0017000	0.00065200	0.00049700	0.0019600	0.00031400	
	0.00023600	0.00022600	0.00019100	0.00015400	0.00014000	
	0.00013100	0.00013800	0.00010200	9.8000e-05	0.00013600	9.4500e-
05	9.7400e-05	8.7800e-05	8.5400e-05	7.7800e-05		
0.36000	0.0016400	0.00060500	0.00047300	0.0018100	0.00030800	
	0.00023300	0.00021600	0.00018100	0.00014500	0.00013100	
	0.00012100	0.00012900	9.6600e-05	9.1900e-05	0.00013000	9.0900e-
05	9.1700e-05	8.3400e-05	8.0500e-05	7.2000e-05		
0.35000	0.0015500	0.00056800	0.00045200	0.0016100	0.00029400	
	0.00022300	0.00020500	0.00017000	0.00013600	0.00012400	
	0.00011300	0.00012200	9.2900e-05	8.6900e-05	0.00012400	8.4900e-
05	8.6400e-05	7.9400e-05	7.7400e-05	6.8400e-05		
0.34000	0.0015200	0.00055000	0.00042700	0.0015900	0.00027300	
	0.00012300	0.00019300	0.00015900	0.00012800	0.00011800	
	0.00010800	0.00011900	8.7600e-05	8.2400e-05	0.00011700	8.1300e-
05	8.2800e-05	7.5800e-05	7.3200e-05	6.4800e-05		
0.33000	0.0014200	0.00052400	0.00040400	0.0014600	0.00026200	
	0.00020200	0.00018200	0.00014500	0.00012000	0.00011100	
	0.00010200	0.00010900	8.1600e-05	7.7300e-05	0.00011000	7.6900e-
05	7.7500e-05	7.1500e-05	6.8800e-05	6.2200e-05		
0.32000	0.0013500	0.00050500	0.00039300	0.0013500	0.00025400	
	0.00019700	0.00017400	0.00014100	0.00011500	0.00010600	9.8900e-
05	0.00010300	7.7500e-05	7.4800e-05	0.00010500	7.2100e-05	7.4100e-
05	6.7300e-05	6.4500e-05	5.8100e-05			
0.31000	0.0011900	0.00048700	0.00036600	0.0010400	0.00022800	
	0.00018600	0.00016500	0.00013300	0.00010900	9.9000e-05	9.2300e-
05	9.6800e-05	7.2100e-05	7.0400e-05	9.9900e-05	6.7900e-05	6.9000e-
05	6.4000e-05	6.1400e-05	5.4500e-05			
0.30000	0.0011400	0.00045600	0.00034600	0.0010600	0.00021400	
	0.00017200	0.00015500	0.00013900	0.00010300	9.3300e-05	8.7100e-
05	9.1200e-05	6.9100e-05	6.7000e-05	9.0700e-05	6.4800e-05	6.5100e-
05	6.0600e-05	5.7400e-05	5.2400e-05			
0.29000	0.0011200	0.00043700	0.00034200	0.0011400	0.00020400	
	0.00016300	0.00014800	0.00013300	9.6100e-05	8.8000e-05	8.3200e-
05	8.4500e-05	6.5400e-05	6.3200e-05	8.5600e-05	6.1200e-05	6.0900e-
05	5.7000e-05	5.4000e-05	4.8500e-05			
0.28000	0.0010500	0.00039600	0.00030900	0.0012300	0.00019500	
	0.00015300	0.00013500	0.00012100	9.0900e-05	8.3400e-05	7.8700e-
05	7.9100e-05	6.0400e-05	5.9400e-05	8.3000e-05	5.7700e-05	5.7800e-
05	5.3100e-05	5.0900e-05	4.6000e-05			
0.27000	0.0010200	0.00038000	0.00029700	0.00082200	0.00018300	
	0.00014700	0.00012700	0.00012400	8.5300e-05	7.8900e-05	7.7000e-
05	7.3200e-05	5.6900e-05	5.6200e-05	7.6100e-05	5.3700e-05	5.6800e-
05	5.0400e-05	4.8300e-05	4.3400e-05			
0.26000	0.00096200	0.00035800	0.00028800	0.00082600	0.00017500	
	0.00013700	0.00011600	0.00011700	7.9400e-05	7.4200e-05	7.2400e-
05	7.2400e-05	5.3900e-05	5.2900e-05	7.1200e-05	5.0000e-05	5.3100e-
05	4.7600e-05	4.5600e-05	4.0500e-05			
0.25000	0.00084900	0.00034200	0.00026600	0.00071900	0.00016000	
	0.00012700	0.00011100	9.5800e-05	7.4900e-05	6.9500e-05	6.8500e-
05	6.7200e-05	5.0800e-05	4.9400e-05	6.5700e-05	4.7000e-05	5.0600e-
05	4.4300e-05	4.2800e-05	4.0700e-05			
0.24000	0.00081400	0.00031800	0.00025700	0.00067300	0.00014800	
	0.00011800	0.00010500	9.1500e-05	7.0700e-05	6.5500e-05	6.4800e-
05	6.3400e-05	4.6600e-05	4.5800e-05	6.1800e-05	4.5000e-05	4.7500e-
05	4.1400e-05	4.0200e-05	4.0900e-05			
0.23000	0.00076300	0.00029100	0.00023900	0.00064400	0.00013500	
	0.00011200	9.7200e-05	8.0600e-05	6.6700e-05	6.2100e-05	6.0700e-
05	5.8200e-05	4.3700e-05	4.2800e-05	5.7600e-05	4.2100e-05	4.4200e-
05	3.8700e-05	3.7500e-05	3.9800e-05			
0.22000	0.00071400	0.00028400	0.00022500	0.00081900	0.00012600	

	0.00010700	9.1300e-05	7.5500e-05	6.2700e-05	5.7800e-05	5.6900e-
05	5.4700e-05	4.1500e-05	3.9800e-05	5.5700e-05	3.9400e-05	4.1900e-
05	3.6400e-05	3.4900e-05	3.7000e-05			
0.21000	0.00067400	0.00026800	0.00023600	0.00076700	0.00011700	9.9900e-
05	8.5300e-05	7.2800e-05	5.9000e-05	5.4500e-05	5.3400e-05	5.1600e-
05	3.8600e-05	3.7400e-05	4.9000e-05	3.6900e-05	3.8600e-05	3.4100e-
05	3.3200e-05	2.9100e-05				
0.20000	0.00064700	0.00024900	0.00019100	0.00067500	0.00011400	9.4800e-
05	7.9900e-05	6.8000e-05	5.5200e-05	5.0200e-05	5.0600e-05	4.7800e-
05	3.5500e-05	3.4500e-05	4.6600e-05	3.4200e-05	3.5900e-05	3.1800e-
05	3.0500e-05	2.7100e-05				
0.19000	0.00058600	0.00023300	0.00018600	0.00069000	0.00010500	8.7600e-
05	7.4500e-05	6.3600e-05	5.1100e-05	4.6300e-05	4.7400e-05	4.3900e-
05	3.3300e-05	3.2500e-05	4.2800e-05	3.2100e-05	3.3800e-05	2.9400e-
05	2.8700e-05	2.4900e-05				
0.18000	0.00054300	0.00021100	0.00017200	0.00064500	9.8400e-05	8.2300e-
05	6.6400e-05	5.9500e-05	4.7800e-05	4.3500e-05	4.3800e-05	4.1100e-
05	3.1000e-05	3.0100e-05	3.9600e-05	2.9500e-05	3.1200e-05	2.7300e-
05	2.7100e-05	2.3800e-05				
0.17000	0.00050200	0.00019900	0.00016300	0.00058400	9.2700e-05	7.6200e-
05	6.3900e-05	5.6100e-05	4.4400e-05	4.0400e-05	4.0400e-05	3.8000e-
05	2.9000e-05	2.7900e-05	3.6900e-05	2.7000e-05	2.9300e-05	2.5300e-
05	2.4500e-05	2.1900e-05				
0.16000	0.00045500	0.00018200	0.00014200	0.00054600	8.5100e-05	7.0100e-
05	5.9200e-05	5.0800e-05	4.0900e-05	3.7800e-05	3.8700e-05	3.4800e-
05	2.6700e-05	2.5900e-05	3.5600e-05	2.4800e-05	2.6600e-05	2.3200e-
05	2.3000e-05	1.9500e-05				
0.15000	0.00042400	0.00016800	0.00013000	0.00050000	7.8600e-05	6.5600e-
05	5.5100e-05	4.6700e-05	3.7400e-05	3.4400e-05	3.5300e-05	3.2300e-
05	2.4700e-05	2.3800e-05	3.2800e-05	2.3000e-05	2.4900e-05	2.1400e-
05	2.1200e-05	1.8200e-05				
0.14000	0.00037800	0.00015500	0.00012900	0.00047300	7.0300e-05	6.0700e-
05	5.1200e-05	4.2600e-05	3.4700e-05	3.1500e-05	3.2900e-05	3.0000e-
05	2.2700e-05	2.2200e-05	2.9900e-05	2.0900e-05	2.2000e-05	1.9400e-
05	1.9300e-05	1.6800e-05				
0.13000	0.00033700	0.00014600	0.00012700	0.00043800	6.5200e-05	5.3700e-
05	4.4700e-05	3.9000e-05	3.1500e-05	2.8600e-05	2.9800e-05	2.7200e-
05	2.0800e-05	2.0400e-05	2.6800e-05	1.9000e-05	2.0100e-05	1.7700e-
05	1.7200e-05	1.5200e-05				
0.12000	0.00032000	0.00012900	0.00011500	0.00039600	5.9400e-05	4.9700e-
05	4.1900e-05	3.6000e-05	2.8900e-05	2.6200e-05	2.7200e-05	2.4800e-
05	1.8700e-05	1.8300e-05	2.4400e-05	1.7400e-05	1.8200e-05	1.6100e-
05	1.5800e-05	1.4300e-05				
0.11000	0.00029100	0.00011800	0.00010500	0.00036300	5.3700e-05	4.4600e-
05	3.7700e-05	3.2200e-05	2.5600e-05	2.3600e-05	2.4300e-05	2.2300e-
05	1.6700e-05	1.6300e-05	2.2600e-05	1.5800e-05	1.6700e-05	1.4200e-
05	1.4600e-05	1.2600e-05				
0.10000	0.00026300	0.00010600	9.4000e-05	0.00033300	4.8100e-05	4.0300e-
05	3.1900e-05	2.8800e-05	2.3200e-05	2.1100e-05	2.2000e-05	2.0000e-
05	1.5500e-05	1.4700e-05	1.9600e-05	1.3900e-05	1.5000e-05	1.2700e-
05	1.2900e-05	1.3700e-05				
0.090000	0.00024200	9.4100e-05	8.2300e-05	0.00029000	3.7400e-05	3.4900e-
05	2.8200e-05	2.6000e-05	2.0500e-05	1.8700e-05	1.9300e-05	1.7600e-
05	1.3600e-05	1.3000e-05	1.8100e-05	1.2400e-05	1.3400e-05	1.1300e-
05	1.1400e-05	1.2200e-05				
0.080000	0.00021300	8.2500e-05	7.2300e-05	0.00022400	3.3100e-05	3.1000e-
05	2.5700e-05	2.2700e-05	1.8000e-05	1.6400e-05	1.6900e-05	1.5600e-
05	1.1800e-05	1.1600e-05	1.5400e-05	1.0900e-05	1.1900e-05	9.7700e-
06	1.0300e-05	1.0500e-05				
0.070000	0.00017800	7.3000e-05	6.1000e-05	0.00020100	2.8400e-05	2.6700e-
05	2.2300e-05	1.9700e-05	1.5600e-05	1.4100e-05	1.4800e-05	1.3600e-
05	1.0100e-05	1.0100e-05	1.3100e-05	9.2800e-06	1.0300e-05	8.3300e-
06	8.4100e-06	7.6500e-06				
0.060000	0.00015200	6.0600e-05	5.4100e-05	0.00016900	2.3700e-05	2.2900e-

05	1.8700e-05	1.6500e-05	1.3100e-05	1.1900e-05	1.2500e-05	1.1400e-
05	8.4500e-06	8.3500e-06	1.1200e-05	7.8700e-06	8.7500e-06	7.0000e-
06	7.2100e-06	6.3600e-06				
0.050000	0.00012700	4.9500e-05	4.2500e-05	0.00014000	1.9700e-05	1.9400e-
05	1.5400e-05	1.3600e-05	1.0700e-05	9.7300e-06	1.0300e-05	9.1600e-
06	6.9200e-06	6.8800e-06	9.0900e-06	6.3500e-06	7.0600e-06	5.7100e-
06	5.9200e-06	5.3900e-06				
0.040000	0.00010100	3.9500e-05	3.4100e-05	0.00011100	1.5500e-05	1.4800e-
05	1.2500e-05	1.0600e-05	8.4600e-06	7.6400e-06	8.0800e-06	7.2500e-
06	5.4800e-06	5.3200e-06	7.2000e-06	5.0000e-06	5.6100e-06	4.4500e-
06	4.7500e-06	4.2000e-06				
0.030000	7.5800e-05	2.9600e-05	2.5200e-05	8.1300e-05	1.1200e-05	1.1100e-
05	9.2600e-06	7.9800e-06	6.2000e-06	5.6600e-06	5.9200e-06	5.3500e-
06	3.9700e-06	3.9300e-06	5.3200e-06	3.6500e-06	4.0100e-06	3.2900e-
06	3.4900e-06	3.1200e-06				
0.020000	4.8800e-05	1.8800e-05	1.6800e-05	5.4600e-05	7.4600e-06	7.2700e-
06	6.0000e-06	5.2100e-06	4.0100e-06	3.7100e-06	3.8500e-06	3.4600e-
06	2.5700e-06	2.5000e-06	3.5100e-06	2.3500e-06	2.6300e-06	2.1200e-
06	2.2200e-06	2.0200e-06				
0.010000	2.4400e-05	9.1800e-06	8.2000e-06	2.6700e-05	3.5900e-06	3.4700e-
06	2.9300e-06	2.5000e-06	1.8900e-06	1.7300e-06	1.7900e-06	1.6000e-
06	1.1600e-06	1.1500e-06	1.6200e-06	1.0500e-06	1.1700e-06	9.6000e-
07	9.8000e-07	9.3000e-07				
-7.5287e-16	-3.8000e-07	-2.2000e-07	-2.1000e-07	-5.1000e-07	-2.1000e-07	-
1.9000e-07	-2.0000e-07	-2.0000e-07	-2.0000e-07	-2.0000e-07	-2.1000e-07	-
1.9000e-07	-1.8000e-07	-2.2000e-07	-1.9000e-07	-1.9000e-07	-1.9000e-07	-
2.0000e-07	-1.7000e-07	-6.0000e-08				
-0.010000	-2.3200e-05	-9.3700e-06	-8.5300e-06	-2.6200e-05	-3.9100e-06	-
3.7400e-06	-3.1100e-06	-2.7600e-06	-2.1100e-06	-1.8600e-06	-2.0600e-06	-
1.8700e-06	-1.4100e-06	-1.3700e-06	-1.9400e-06	-1.3400e-06	-1.4400e-06	-
1.1400e-06	-1.2300e-06	-9.6000e-07				
-0.020000	-4.6700e-05	-1.8600e-05	-1.6400e-05	-5.3500e-05	-7.6100e-06	-
7.3100e-06	-6.0000e-06	-5.3000e-06	-4.1600e-06	-3.6400e-06	-3.9900e-06	-
3.5900e-06	-2.7200e-06	-2.7300e-06	-3.8700e-06	-2.5400e-06	-2.7700e-06	-
2.2000e-06	-2.2400e-06	-1.9200e-06				
-0.030000	-6.9600e-05	-2.7300e-05	-2.4500e-05	-7.8200e-05	-1.1300e-05	-
1.0900e-05	-9.1400e-06	-7.8500e-06	-6.2100e-06	-5.4400e-06	-5.8900e-06	-
5.3100e-06	-4.0200e-06	-3.9200e-06	-5.7200e-06	-3.7300e-06	-4.0900e-06	-
3.3400e-06	-3.5300e-06	-3.0000e-06				
-0.040000	-9.3100e-05	-3.6400e-05	-3.4600e-05	-0.00010200	-1.4900e-05	-
1.4400e-05	-1.1700e-05	-1.0800e-05	-8.1000e-06	-7.1700e-06	-7.8600e-06	-
6.9900e-06	-5.3400e-06	-5.2700e-06	-7.6100e-06	-5.0000e-06	-5.3900e-06	-
4.3900e-06	-4.6200e-06	-3.9400e-06				
-0.050000	-0.00011600	-4.4800e-05	-4.2100e-05	-0.00010600	-1.8700e-05	-
1.7700e-05	-1.4500e-05	-1.2900e-05	-1.0100e-05	-8.9000e-06	-9.6600e-06	-
8.6500e-06	-6.6300e-06	-6.4900e-06	-9.4200e-06	-6.1000e-06	-6.5900e-06	-
5.4300e-06	-5.7400e-06	-5.1000e-06				
-0.060000	-0.00013500	-5.4400e-05	-5.0400e-05	-0.00012600	-2.2400e-05	-
2.1400e-05	-1.7300e-05	-1.5300e-05	-1.1900e-05	-1.0600e-05	-1.1700e-05	-
1.0200e-05	-7.8300e-06	-7.8000e-06	-1.1500e-05	-7.2900e-06	-8.0500e-06	-
6.4800e-06	-6.8100e-06	-6.1500e-06				
-0.070000	-0.00015500	-6.3300e-05	-5.9100e-05	-0.00014600	-2.5900e-05	-
2.4300e-05	-2.0200e-05	-1.7700e-05	-1.4000e-05	-1.2200e-05	-1.3600e-05	-
1.2100e-05	-9.5400e-06	-9.0800e-06	-1.3300e-05	-8.5700e-06	-9.2700e-06	-
7.5500e-06	-7.9000e-06	-6.8600e-06				
-0.080000	-0.00019000	-7.2300e-05	-6.7200e-05	-0.00017000	-2.9800e-05	-
2.7900e-05	-2.2600e-05	-2.0100e-05	-1.5800e-05	-1.4100e-05	-1.5300e-05	-
1.3900e-05	-1.0700e-05	-1.0400e-05	-1.5100e-05	-9.7200e-06	-1.0700e-05	-
8.6700e-06	-9.0100e-06	-7.8800e-06				
-0.090000	-0.00020900	-8.1000e-05	-7.5400e-05	-0.00018900	-3.3300e-05	-
3.1400e-05	-2.5200e-05	-2.2700e-05	-1.7700e-05	-1.5900e-05	-1.7400e-05	-
1.5400e-05	-1.2100e-05	-1.1400e-05	-1.6700e-05	-1.0800e-05	-1.1300e-05	-
9.6900e-06	-1.0300e-05	-8.8300e-06				
-0.10000	-0.00022500	-8.9700e-05	-8.3800e-05	-0.00021100	-3.7400e-05	-

3.4500e-05	-2.9000e-05	-2.4700e-05	-1.9400e-05	-1.7400e-05	-1.8900e-05	-
1.7300e-05	-1.3400e-05	-1.2600e-05	-1.8600e-05	-1.2100e-05	-1.2300e-05	-
1.0700e-05	-1.1200e-05	-9.8200e-06				
-0.11000	-0.00025300	-9.9700e-05	-9.3000e-05	-0.00023500	-4.1500e-05	-
3.7000e-05	-3.1900e-05	-2.7600e-05	-2.1300e-05	-1.9000e-05	-2.0800e-05	-
1.9100e-05	-1.4700e-05	-1.4000e-05	-2.0200e-05	-1.3100e-05	-1.3800e-05	-
1.1700e-05	-1.2400e-05	-1.0600e-05				
-0.12000	-0.00027200	-0.00011000	-9.9200e-05	-0.00024300	-4.5300e-05	-
4.1400e-05	-3.5900e-05	-2.9400e-05	-2.3400e-05	-2.0900e-05	-2.3000e-05	-
2.0700e-05	-1.6200e-05	-1.5200e-05	-2.2000e-05	-1.4100e-05	-1.5300e-05	-
1.2800e-05	-1.3700e-05	-1.1800e-05				
-0.13000	-0.00029800	-0.00011700	-0.00010700	-0.00025900	-5.0200e-05	-
4.4900e-05	-3.8400e-05	-3.1400e-05	-2.5600e-05	-2.2200e-05	-2.5400e-05	-
2.2200e-05	-1.7200e-05	-1.6500e-05	-2.3700e-05	-1.5400e-05	-1.5800e-05	-
1.3800e-05	-1.4700e-05	-1.2600e-05				
-0.14000	-0.00032200	-0.00012600	-0.00011200	-0.00028100	-5.3300e-05	-
4.7900e-05	-4.1000e-05	-3.3700e-05	-2.7300e-05	-2.4000e-05	-2.7200e-05	-
2.4100e-05	-1.8400e-05	-1.8000e-05	-2.5600e-05	-1.6900e-05	-1.7000e-05	-
1.4900e-05	-1.5900e-05	-1.3600e-05				
-0.15000	-0.00033900	-0.00013900	-0.00012000	-0.00031900	-5.8800e-05	-
5.2000e-05	-4.4200e-05	-3.6000e-05	-2.9500e-05	-2.5900e-05	-2.8400e-05	-
2.5500e-05	-1.9900e-05	-1.9100e-05	-2.7400e-05	-1.7900e-05	-1.8000e-05	-
1.5900e-05	-1.7200e-05	-1.4500e-05				
-0.16000	-0.00037500	-0.00014600	-0.00012900	-0.00032700	-6.1800e-05	-
5.4800e-05	-4.7200e-05	-3.8300e-05	-3.1100e-05	-2.7500e-05	-3.0300e-05	-
2.7300e-05	-2.0800e-05	-2.0300e-05	-2.9400e-05	-1.9500e-05	-1.9700e-05	-
1.7000e-05	-1.8100e-05	-1.5300e-05				
-0.17000	-0.00041200	-0.00015400	-0.00013500	-0.00034900	-6.5500e-05	-
5.8000e-05	-5.0100e-05	-4.1000e-05	-3.3100e-05	-2.9600e-05	-3.2400e-05	-
2.9500e-05	-2.1900e-05	-2.1600e-05	-3.1100e-05	-2.0400e-05	-2.0900e-05	-
1.7900e-05	-1.9100e-05	-1.6800e-05				
-0.18000	-0.00043500	-0.00016200	-0.00014700	-0.00037500	-7.0200e-05	-
6.1500e-05	-5.3100e-05	-4.3100e-05	-3.4900e-05	-3.1100e-05	-3.4300e-05	-
3.1200e-05	-2.4700e-05	-2.2800e-05	-3.2900e-05	-2.1900e-05	-2.2100e-05	-
1.9200e-05	-2.0600e-05	-1.7500e-05				
-0.19000	-0.00044100	-0.00017500	-0.00015200	-0.00039400	-7.3700e-05	-
6.6500e-05	-5.5600e-05	-4.5000e-05	-3.6800e-05	-3.3200e-05	-3.5800e-05	-
3.2800e-05	-2.6200e-05	-2.4600e-05	-3.5400e-05	-2.2800e-05	-2.3400e-05	-
2.0100e-05	-2.1400e-05	-1.8700e-05				
-0.20000	-0.00045200	-0.00018200	-0.00015900	-0.00042500	-7.6300e-05	-
6.9000e-05	-5.7600e-05	-4.6200e-05	-3.8500e-05	-3.5500e-05	-3.7500e-05	-
3.4400e-05	-2.7600e-05	-2.5600e-05	-3.8800e-05	-2.4800e-05	-2.4600e-05	-
2.1400e-05	-2.2700e-05	-1.9600e-05				
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7.2800e-05	-5.9900e-05	-4.9700e-05	-4.0800e-05	-3.7600e-05	-3.9600e-05	-
3.6400e-05	-2.9400e-05	-2.7000e-05	-4.0600e-05	-2.6300e-05	-2.6100e-05	-
2.2300e-05	-2.3100e-05	-2.0800e-05				
-0.22000	-0.00051300	-0.00022100	-0.00018100	-0.00046000	-8.4400e-05	-
7.6600e-05	-6.5000e-05	-5.2000e-05	-4.2900e-05	-3.9300e-05	-4.1300e-05	-
3.7800e-05	-3.0300e-05	-2.8700e-05	-4.0700e-05	-2.7400e-05	-2.8800e-05	-
2.2900e-05	-2.4400e-05	-2.1900e-05				
-0.23000	-0.00052200	-0.00022500	-0.00018600	-0.00048300	-8.8300e-05	-
7.8700e-05	-6.8000e-05	-5.4000e-05	-4.5000e-05	-4.1100e-05	-4.3900e-05	-
4.0200e-05	-3.2200e-05	-2.9700e-05	-4.1900e-05	-2.8400e-05	-2.9300e-05	-
2.4700e-05	-2.5700e-05	-2.3100e-05				
-0.24000	-0.00059500	-0.00024700	-0.00019200	-0.00051000	-9.2400e-05	-
8.2100e-05	-7.0900e-05	-5.7200e-05	-4.7200e-05	-4.3000e-05	-4.5700e-05	-
4.2000e-05	-3.3300e-05	-3.2400e-05	-4.2700e-05	-3.0100e-05	-3.3500e-05	-
2.5500e-05	-2.7500e-05	-2.3900e-05				
-0.25000	-0.00060300	-0.00023900	-0.00019800	-0.00051600	-9.7600e-05	-
8.4800e-05	-7.3900e-05	-6.0000e-05	-4.9500e-05	-4.5100e-05	-4.8500e-05	-
4.5500e-05	-3.5100e-05	-3.3900e-05	-4.4400e-05	-3.1300e-05	-3.4600e-05	-
2.7200e-05	-2.7900e-05	-2.4900e-05				
-0.26000	-0.00061300	-0.00024700	-0.00021300	-0.00053200	-9.7500e-05	-

8.8200e-05	-7.5700e-05	-6.3500e-05	-5.2200e-05	-4.7200e-05	-5.2700e-05	-
4.8500e-05	-3.6500e-05	-3.4100e-05	-4.7700e-05	-3.3600e-05	-4.0100e-05	-
2.8700e-05	-2.9100e-05	-2.6500e-05				
-0.27000	-0.00066200	-0.00025600	-0.00021400	-0.00060000	-0.00010100	-
8.9900e-05	-7.8500e-05	-6.4600e-05	-5.4000e-05	-4.9500e-05	-5.1900e-05	-
4.9900e-05	-3.8300e-05	-3.5700e-05	-4.9600e-05	-3.4400e-05	-3.8000e-05	-
3.0300e-05	-3.0200e-05	-2.7500e-05				
-0.28000	-0.00068700	-0.00026700	-0.00020900	-0.00071400	-0.00010300	-
9.2400e-05	-8.0600e-05	-6.8000e-05	-5.5700e-05	-5.1600e-05	-5.3700e-05	-
5.1900e-05	-3.9400e-05	-3.7100e-05	-5.2200e-05	-3.5800e-05	-3.9800e-05	-
3.0500e-05	-3.1800e-05	-2.8900e-05				
-0.29000	-0.00072700	-0.00028600	-0.00023700	-0.00069700	-0.00011300	-
9.5200e-05	-8.5000e-05	-7.1200e-05	-5.8900e-05	-5.4100e-05	-5.5800e-05	-
5.4700e-05	-4.1300e-05	-3.8700e-05	-5.4100e-05	-3.7500e-05	-4.5500e-05	-
3.2000e-05	-3.3100e-05	-2.9800e-05				
-0.30000	-0.00075600	-0.00030600	-0.00021900	-0.00076500	-0.00011600	-
9.9700e-05	-8.8800e-05	-7.4200e-05	-6.1700e-05	-5.7600e-05	-6.1200e-05	-
5.5200e-05	-4.2900e-05	-4.0200e-05	-5.6300e-05	-3.8600e-05	-4.1900e-05	-
3.3500e-05	-3.4200e-05	-3.1600e-05				
-0.31000	-0.00079400	-0.00030400	-0.00025700	-0.00070900	-0.00012100	-
0.00010500	-9.2400e-05	-7.7600e-05	-6.3300e-05	-5.5300e-05	-6.3700e-05	-
5.7700e-05	-4.3600e-05	-4.2100e-05	-5.8800e-05	-4.1300e-05	-4.4300e-05	-
3.4500e-05	-3.6000e-05	-3.2900e-05				
-0.32000	-0.00083400	-0.00031200	-0.00026500	-0.00068100	-0.00012300	-
0.00010900	-9.5800e-05	-8.0300e-05	-6.5200e-05	-5.7900e-05	-6.3200e-05	-
5.9500e-05	-4.5200e-05	-4.3500e-05	-6.0800e-05	-4.1400e-05	-4.5300e-05	-
3.5500e-05	-3.6800e-05	-3.3500e-05				
-0.33000	-0.00084900	-0.00030800	-0.00027000	-0.00071300	-0.00012900	-
0.00011400	-9.8200e-05	-8.1700e-05	-6.9300e-05	-5.9800e-05	-6.5900e-05	-
6.1900e-05	-4.4800e-05	-4.4900e-05	-6.2200e-05	-4.4500e-05	-4.7800e-05	-
3.6800e-05	-3.8400e-05	-3.5300e-05				
-0.34000	-0.00086800	-0.00033100	-0.00027800	-0.00071700	-0.00013300	-
0.00012100	-0.00010300	-8.5500e-05	-7.2200e-05	-6.2800e-05	-7.3000e-05	-
6.4100e-05	-4.7800e-05	-4.6600e-05	-6.4200e-05	-4.7500e-05	-4.9600e-05	-
3.8500e-05	-3.9700e-05	-3.6800e-05				
-0.35000	-0.00095500	-0.00036100	-0.00028300	-0.00073600	-0.00013600	-
0.00012200	-0.00010600	-8.8300e-05	-7.4800e-05	-6.5200e-05	-7.2900e-05	-
6.5800e-05	-5.0000e-05	-4.8600e-05	-6.7100e-05	-4.9000e-05	-5.1500e-05	-
3.9900e-05	-4.1600e-05	-3.7000e-05				
-0.36000	-0.0010300	-0.00036500	-0.00029700	-0.00077100	-0.00014400	-
0.00012600	-0.00011000	-9.1300e-05	-7.7800e-05	-6.7000e-05	-7.7500e-05	-
6.9600e-05	-5.2000e-05	-5.0200e-05	-7.0300e-05	-5.0700e-05	-5.3400e-05	-
4.1900e-05	-4.3200e-05	-3.8400e-05				
-0.37000	-0.0010300	-0.00035900	-0.00031000	-0.00078900	-0.00014600	-
0.00011500	-0.00011400	-9.5600e-05	-7.8800e-05	-6.8600e-05	-8.0100e-05	-
7.4400e-05	-5.3800e-05	-5.2400e-05	-7.3300e-05	-5.1900e-05	-5.5800e-05	-
4.3200e-05	-4.4000e-05	-3.9000e-05				
-0.38000	-0.0010700	-0.00037600	-0.00031800	-0.00082300	-0.00015200	-
0.00012000	-0.00011600	-1.0000e-04	-8.0600e-05	-7.1300e-05	-8.3500e-05	-
7.9500e-05	-5.6100e-05	-5.4000e-05	-7.4600e-05	-5.3700e-05	-5.7900e-05	-
4.7900e-05	-4.7300e-05	-4.2800e-05				
-0.39000	-0.0011100	-0.00038100	-0.00033500	-0.00086600	-0.00015900	-
0.00012400	-0.00011900	-0.00010400	-8.5000e-05	-7.3900e-05	-8.5600e-05	-
8.1600e-05	-5.8600e-05	-5.5500e-05	-7.7400e-05	-5.6800e-05	-5.9800e-05	-
5.0800e-05	-4.7700e-05	-4.2100e-05				
-0.40000	-0.0011300	-0.00042600	-0.00034400	-0.00087600	-0.00016700	-
0.00012600	-0.00012200	-0.00010800	-8.8900e-05	-7.2900e-05	-8.6700e-05	-
8.4800e-05	-6.0400e-05	-5.7100e-05	-8.0400e-05	-5.6800e-05	-6.1800e-05	-
5.2000e-05	-4.9100e-05	-4.2400e-05				
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8.7500e-05	-6.2900e-05	-6.0400e-05	-7.8600e-05	-5.9400e-05	-6.8500e-05	-
5.4100e-05	-5.1700e-05	-4.4500e-05				
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8.9000e-05	-6.6300e-05	-6.1900e-05	-7.1900e-05	-6.1700e-05	-7.2000e-05	-
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9.6600e-05	-7.0100e-05	-6.3600e-05	-8.9000e-05	-6.3900e-05	-7.3900e-05	-
5.7200e-05	-5.5800e-05	-4.7200e-05				
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9.5900e-05	-7.0600e-05	-6.7800e-05	-7.7300e-05	-6.8500e-05	-6.7500e-05	-
5.9900e-05	-5.8500e-05	-4.9400e-05				
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0.00010200	-7.5700e-05	-7.0300e-05	-8.0700e-05	-6.9000e-05	-7.0600e-05	-
6.2600e-05	-6.0700e-05	-5.1800e-05				
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7.0800e-05	-6.6600e-05	-5.6600e-05				
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7.7500e-05	-7.1200e-05	-6.4500e-05				
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8.3700e-05	-7.7200e-05	-7.1900e-05				
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0.00014800	-0.00010100	-1.0000e-04	-0.00011500	-9.7400e-05	-0.00010800	-
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0.00015400	-0.00013900	-0.00012200			
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0.00025700	-0.00029800	-0.00022600			
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0.00040600	-0.00037800	-0.00035500			
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0.00091600	-0.0010300	-0.00078200	-0.00073100	-0.00064800	-0.00080800 -
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0.00042600	-0.00040100	-0.00036600			
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0.00055500	-0.00053800	-0.00049100				
-0.94000	-0.0079700	-0.0034800	-0.0030800	-0.0033500	-0.0014400	-
0.0027700	-0.0013600	-0.0010600	-0.0010100	-0.00086400	-0.00092200	-
0.00095000	-0.00068300	-0.00073600	-0.00069900	-0.00063500	-0.00069500	-
0.00058500	-0.00059700	-0.00051900				
-0.95000	-0.0081000	-0.0036600	-0.0032700	-0.0034800	-0.0015100	-
0.0057000	-0.0014200	-0.0011300	-0.0010600	-0.00090900	-0.0010100	-
0.0010100	-0.00076000	-0.00077200	-0.00073900	-0.00068400	-0.00072900	-
0.00062000	-0.00063000	-0.00054700				
-0.96000	-0.0082700	-0.0037900	-0.0033700	-0.0064000	-0.0016500	-
0.0054100	-0.0015300	-0.0011800	-0.0011100	-0.00095900	-0.0010100	-
0.0010700	-0.00083500	-0.00081900	-0.00076900	-0.00073800	-0.00076000	-
0.00065800	-0.00066000	-0.00059100				
-0.97000	-0.0078300	-0.0040300	-0.0034800	-0.0066200	-0.0017400	-
0.0065000	-0.0015800	-0.0012300	-0.0011800	-0.0010100	-0.0011000	-
0.0011600	-0.00088400	-0.00085500	-0.00081100	-0.00078400	-0.00082300	-
0.00069800	-0.00068100	-0.00062900				
-0.98000	-0.0083000	-0.0042800	-0.0037000	-0.0064500	-0.0019000	-
0.0034900	-0.0016400	-0.0012900	-0.0012200	-0.0010600	-0.0011600	-
0.0011900	-0.00089700	-0.00090500	-0.00087300	-0.00083100	-0.00086400	-
0.00073400	-0.00072800	-0.00066300				
-0.99000	-0.0088700	-0.0044900	-0.0039300	-0.0064400	-0.0018400	-
0.0061300	-0.0028500	-0.0013700	-0.0012700	-0.0011200	-0.0012300	-
0.0012300	-0.00095000	-0.00096000	-0.00095600	-0.00086900	-0.00091500	-
0.00077300	-0.00077000	-0.00070800				
-1.0000	-0.0091800	-0.0046200	-0.0043100	-0.0068000	-0.0019300	-
0.0066700	-0.0024900	-0.0014800	-0.0013400	-0.0011900	-0.0012300	-
0.0013200	-0.0010100	-0.0010300	-0.0010000	-0.00092200	-0.00094600	-
0.00082500	-0.00082000	-0.00075300				

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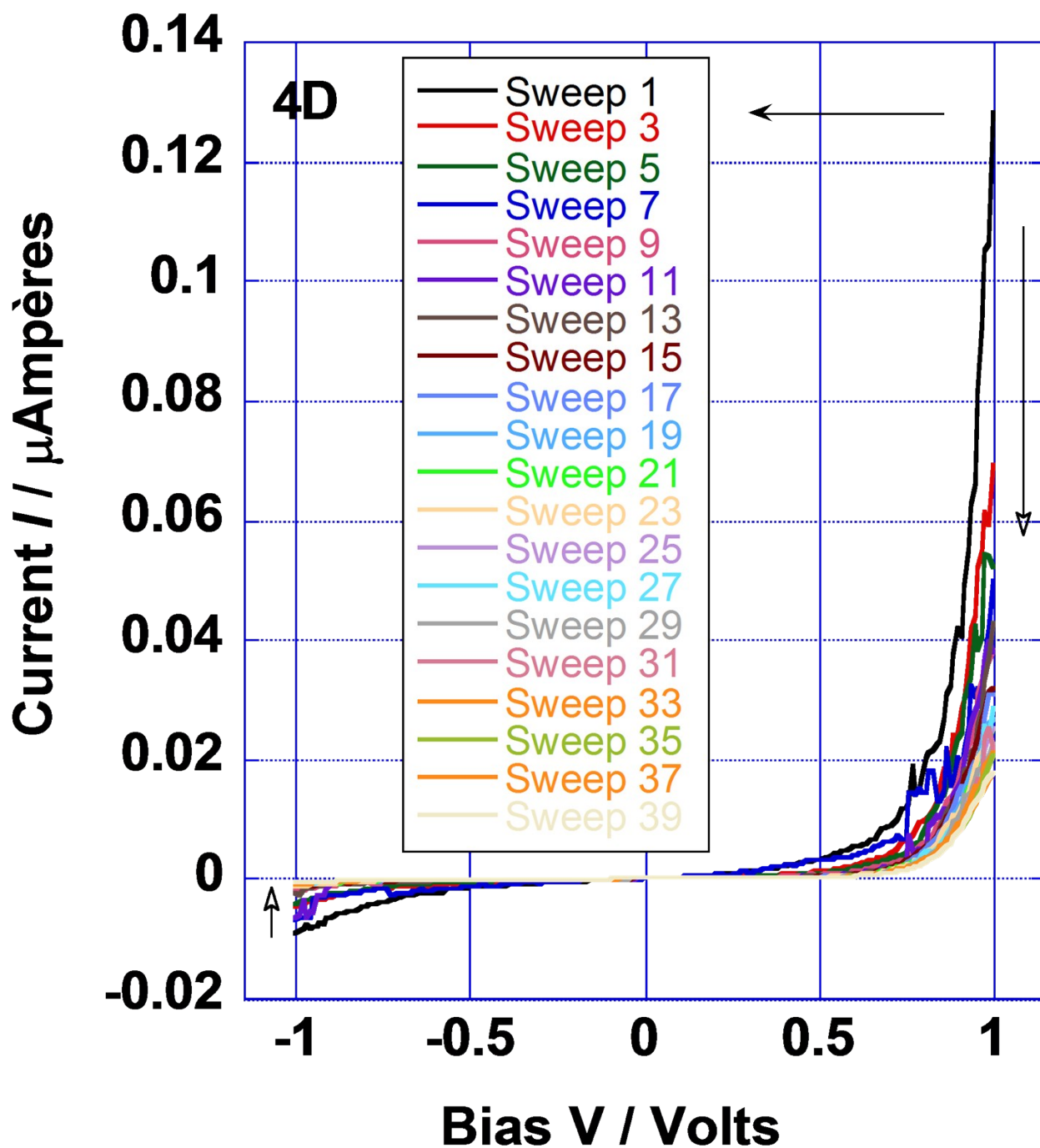


Figure 4D:

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Figure 4E. Sandwich #1. Positive to Negative. Log I vs V . (data can be obtained from those of Figure 4D (above) by computing the decimal logarithm of the absolute value of the current)

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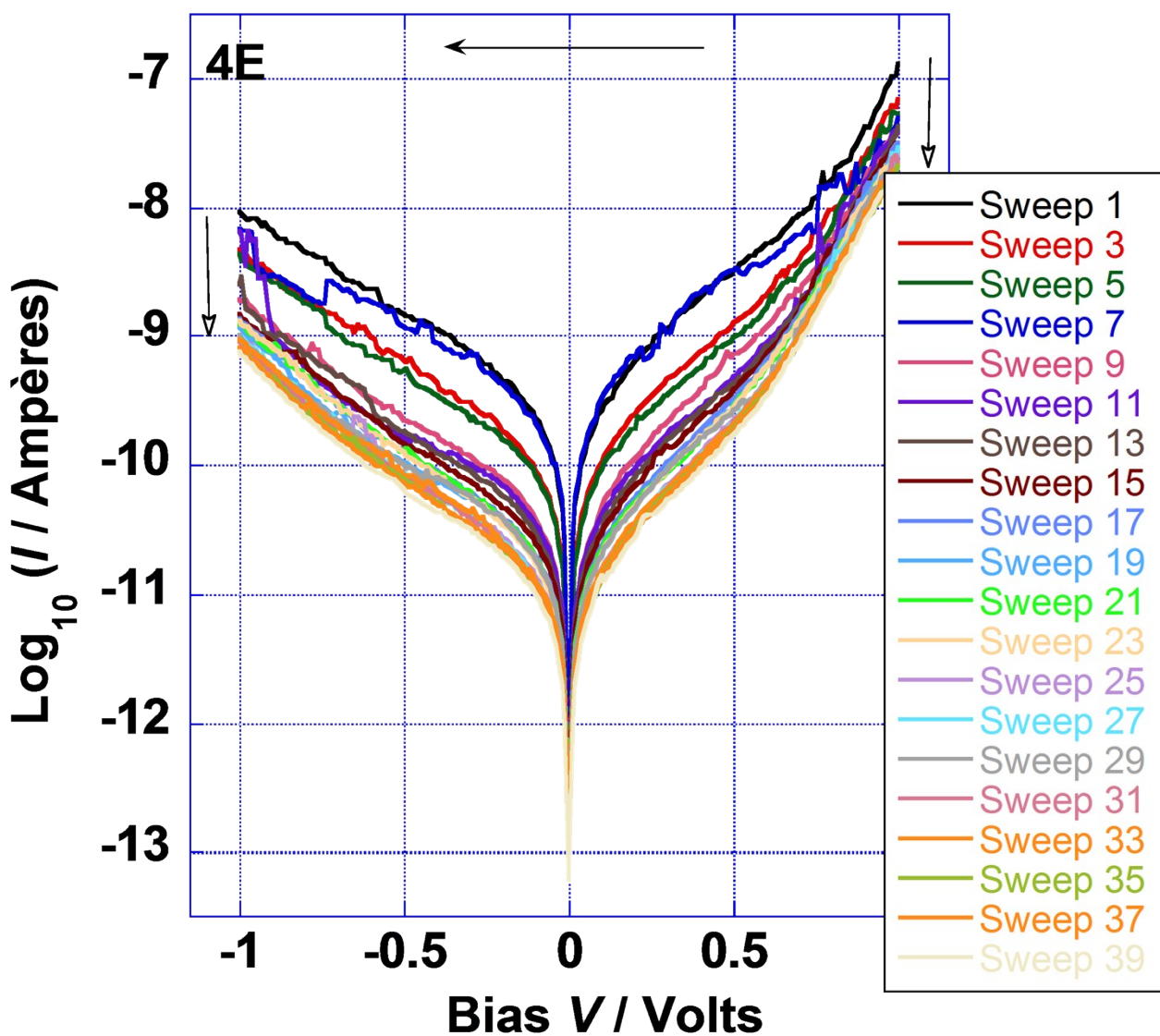


Figure 4E. Sandwich#1. Positive to Negative. Log I vs. V.

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Figure 4F. Sandwich#1. Positive to Negative. RR vs V data.

Bias V (Volts)	Sweep 1 sweep 13 sweep 25 sweep 37	sweep 3 sweep 15 sweep 27 sweep 39	sweep5 sweep 17 sweep 29	sweep 7 sweep 19 Sweep 31	sweep 9 Sweep 21 sweep 33	sweep 11 sweep 23 sweep 35
1.0000	13.942 17.174 24.861 21.497	14.996 21.542 27.859 23.683	12.065 22.998 22.318	7.3186 22.457 23.533	19.871 20.296 22.179	5.6647 19.012 25.028
0.99000	11.903	13.189	13.691	6.4604	19.774	6.4655

	12.911	22.684	24.186	23.164	19.247	20.182
	25.257	24.791	21.219	29.095	21.204	24.337
	21.406	24.004				
0.98000	12.652	14.349	14.642	5.6558	19.154	10.584
	20.185	21.594	21.880	22.985	19.625	19.422
	23.735	28.367	21.888	28.065	21.733	23.287
	20.625	24.198				
0.97000	11.859	13.508	11.614	4.8323	18.865	4.9166
	17.854	21.487	19.581	22.133	18.805	18.094
	21.325	22.186	22.569	21.280	20.097	22.304
	20.865	22.898				
0.96000	9.8644	13.749	11.351	4.9527	18.596	5.3199
	16.794	19.813	17.633	21.010	17.522	18.515
	20.137	20.714	23.513	22.545	19.469	21.398
	20.122	22.757				
0.95000	8.1213	11.988	12.916	8.6918	16.733	4.9065
	15.379	19.462	18.573	20.823	16.380	18.583
	20.644	21.286	22.327	21.991	21.190	21.008
	19.734	23.777				
0.94000	7.8136	11.973	10.979	9.6411	16.008	9.3355
	15.358	18.344	17.642	19.938	16.964	16.729
	20.889	19.072	20.259	20.118	19.536	18.795
	19.342	22.763				
0.93000	7.7692	10.252	10.845	7.8587	15.730	8.5746
	14.425	17.802	17.050	20.095	16.957	15.191
	20.502	17.252	21.344	20.385	18.200	18.218
	19.432	21.562				
0.92000	6.3602	8.7307	10.304	7.0908	14.780	6.8942
	16.922	17.090	15.883	18.485	15.652	13.320
	19.473	18.308	22.398	18.510	16.798	17.625
	19.133	20.104				
0.91000	6.0334	8.9686	8.7753	6.3233	14.513	10.932
	14.863	16.394	17.721	17.094	15.077	14.035
	17.370	18.040	19.528	17.325	15.685	16.992
	17.081	19.310				
0.90000	6.2861	7.9471	8.8270	6.8561	13.111	14.612
	14.284	16.275	16.582	15.708	13.897	12.897
	17.553	16.738	18.162	16.384	15.858	16.026
	17.270	18.597				
0.89000	6.2329	8.4336	7.8798	5.3983	12.194	14.895
	13.622	15.360	14.857	15.440	10.626	13.784
	15.660	16.970	18.450	15.194	14.158	14.830
	16.361	17.441				
0.88000	5.5975	7.2719	7.2999	5.3536	12.915	13.028
	11.657	13.989	15.073	14.179	10.525	12.524
	15.862	16.168	16.183	14.515	13.672	14.403
	15.701	16.063				
0.87000	5.3358	7.2654	6.4430	7.9561	12.597	11.760
	11.118	13.622	13.836	13.728	11.426	12.267
	14.935	14.586	13.755	13.652	13.314	13.786
	15.708	14.940				
0.86000	4.7062	7.9296	5.8707	5.4836	11.587	14.768
	10.203	12.539	12.267	13.382	10.152	11.541
	13.437	14.181	13.088	12.879	11.880	13.478
	14.170	15.148				
0.85000	4.3680	6.3025	6.0307	5.0374	9.0165	12.933
	8.9692	10.776	11.688	11.782	10.795	10.045
	13.235	12.189	11.864	12.224	12.090	12.912
	13.375	13.679				
0.84000	4.2870	5.4904	5.8339	5.2297	9.6127	13.937
	8.0257	9.7319	11.062	12.077	9.9185	9.2556
	11.863	11.832	11.277	11.709	11.239	12.466
	13.309	13.247				
0.83000	4.0811	5.1121	5.3485	7.5817	8.1851	13.903

	7.3209	8.4256	10.668	11.510	9.2986	7.9296
	11.203	10.929	10.258	11.368	10.508	11.736
	12.774	12.346				
0.82000	4.0941	4.8660	5.1633	7.7974	8.0851	13.205
	6.7493	8.1693	10.457	10.908	8.6111	8.9525
	10.267	12.157	9.7859	10.305	9.9836	11.554
	12.003	11.680				
0.81000	4.4000	5.1864	4.6531	6.3962	8.0798	7.5995
	6.5485	8.4997	9.7492	9.9650	7.7003	8.4168
	9.6609	12.626	10.031	9.5789	9.3897	10.280
	11.605	10.971				
0.80000	3.7208	4.8328	4.1561	7.0031	7.5577	7.7762
	6.1884	7.4688	8.6043	9.8643	7.4149	6.8803
	9.1716	11.655	8.9866	9.0117	8.6284	9.5511
	11.957	10.277				
0.79000	3.5306	5.3415	3.4901	7.7411	7.4909	8.8873
	5.8750	8.4124	8.5217	8.7016	6.9854	7.1439
	8.2254	9.7441	8.4843	8.8785	8.1355	9.1717
	9.8978	9.7901				
0.78000	3.2552	4.1735	3.3808	7.3544	5.2255	8.5663
	5.8494	7.7627	8.2208	8.4129	7.3890	7.3690
	7.5802	9.3910	8.0355	7.6514	7.7557	9.2998
	9.3350	9.2335				
0.77000	4.5321	4.0100	3.2654	7.8796	5.2192	9.3988
	5.3674	7.0438	7.5009	7.8617	6.8134	6.8686
	7.1331	8.0285	7.5177	7.4525	7.6484	9.2557
	9.2969	8.9138				
0.76000	3.1045	3.8628	2.9842	7.6518	4.9385	16.001
	4.8905	6.6939	7.1000	8.4581	7.0781	6.5060
	6.8777	7.7476	6.8999	7.0846	7.0771	8.0705
	9.0386	8.3208				
0.75000	2.9318	3.8789	2.7469	3.6090	5.0795	6.5383
	4.6878	6.4148	6.1690	7.3539	6.3854	5.6464
	6.5377	6.9999	6.5581	6.9980	6.9778	7.6201
	8.7634	7.9215				
0.74000	2.8879	4.1548	2.7070	3.6457	5.1311	6.1320
	3.9918	5.7926	6.3032	7.5304	5.8635	5.9043
	6.1870	6.5574	6.0939	6.1654	6.3072	7.1093
	8.5383	7.4681				
0.73000	2.7443	3.2974	3.4133	2.7143	4.9455	5.7308
	3.7160	5.1494	5.6302	6.6287	6.1846	5.2161
	5.7952	5.9961	6.1848	5.8961	6.0832	6.8152
	8.0067	6.9544				
0.72000	2.7183	3.1729	3.2753	2.5246	4.8606	5.5981
	3.7056	4.8255	5.3704	6.1989	5.2222	4.8661
	5.5948	5.2749	5.9854	5.7411	5.7197	5.9463
	6.6144	6.4244				
0.71000	2.7595	3.0067	3.3287	2.4367	4.9769	5.1615
	4.1987	4.9604	5.4123	5.6489	4.8228	4.6509
	5.1643	5.2481	5.6267	5.4905	5.2676	5.7173
	6.0308	6.3752				
0.70000	2.8418	2.9377	3.0729	2.4779	4.6196	5.1908
	3.5791	4.5153	5.0483	5.1896	4.6214	4.3379
	5.0922	5.3223	5.1294	5.2945	4.9558	5.6965
	5.6165	6.0448				
0.69000	2.7932	2.8039	3.0326	2.6602	4.6720	5.9607
	3.2368	4.2207	4.7288	4.8038	4.2209	4.7274
	4.8714	5.0538	4.8969	4.8922	4.8379	4.8298
	5.7597	5.7599				
0.68000	2.9485	2.8511	2.7741	2.5747	4.1986	4.9966
	3.1335	3.8013	4.5978	4.5944	4.1404	4.1444
	4.3751	4.6771	4.1920	4.5287	4.5201	4.6064
	5.0363	5.7642				
0.67000	2.7681	2.8986	3.2044	2.4256	4.5914	4.5719

	2.8984	3.7031	4.3448	5.0548	3.9708	3.7724
	4.2283	4.2974	3.9423	4.2866	4.4767	4.2601
	4.8715	5.1740				
0.66000	2.5337	2.5002	2.9518	2.4723	4.4056	4.3028
	2.8195	3.5399	4.2654	4.7685	3.6595	3.9734
	4.0028	4.2705	3.8986	4.1172	4.1956	3.9794
	4.7160	4.8470				
0.65000	2.4946	3.1040	3.0242	2.1707	4.0746	4.2954
	2.7548	3.6004	4.2582	4.8670	3.5557	3.7782
	2.6752	4.0693	3.8868	3.9153	4.0165	3.4844
	4.4180	4.5719				
0.64000	2.2586	2.3786	2.7421	2.5126	4.1390	4.3267
	2.5841	3.2755	4.0367	4.7334	3.3612	3.6086
	2.4897	3.8546	3.6953	3.8493	3.5741	3.6623
	4.1185	4.3046				
0.63000	2.3402	2.5201	2.6507	2.2655	3.9910	3.8406
	2.3800	3.3149	3.9048	4.5686	3.2358	3.7371
	2.3659	3.6372	3.5081	3.6624	3.4340	3.5118
	3.8344	4.1292				
0.62000	2.3313	2.0936	2.2425	2.1594	3.8476	3.8668
	2.2980	3.1498	3.8359	4.3565	3.1957	3.5644
	2.2326	3.5305	3.6496	3.5011	3.3969	3.3184
	3.7278	3.9929				
0.61000	2.3270	2.1669	2.9869	2.0460	3.6925	3.8629
	2.5373	3.1617	3.7558	4.0677	3.0037	3.4049
	2.6257	3.3883	3.3691	3.4927	3.1860	3.2299
	3.6573	3.8009				
0.60000	2.2894	2.1626	2.3734	2.0850	3.5455	3.7893
	2.6685	3.0625	3.7061	3.9989	3.0472	3.3409
	2.4995	3.2701	3.1568	3.3679	3.0492	3.0586
	3.3923	3.6987				
0.59000	2.1116	2.1198	2.2021	2.0677	3.4513	3.7409
	3.0776	2.9778	3.4143	3.8931	2.8349	3.0495
	2.6222	3.1526	3.0156	3.3239	2.8866	3.0313
	3.3581	3.4486				
0.58000	2.0676	2.2501	2.0766	1.9069	3.3303	3.7874
	2.9130	2.7377	3.4051	3.8067	2.7687	2.9486
	2.9617	3.1453	2.8079	3.1488	2.8559	2.9151
	3.1458	3.3297				
0.57000	2.4363	2.2566	2.0090	2.1590	3.4379	3.3324
	2.9477	2.6803	3.1291	3.5067	2.8334	2.8741
	3.0337	3.1088	2.8394	3.0250	2.8270	2.8945
	3.0436	3.1131				
0.56000	2.5035	2.2740	1.9916	2.1365	3.3258	3.3315
	2.6615	2.7141	3.0907	3.4957	2.6933	3.0365
	2.9611	2.9475	2.6832	2.9873	2.7095	2.8614
	2.8286	3.1010				
0.55000	2.3870	1.9810	1.8026	2.2799	3.0178	3.1998
	2.6007	2.7537	2.9329	3.2505	2.6536	2.6806
	2.8935	2.8631	2.5922	2.9394	2.3073	2.8126
	2.8461	2.9158				
0.54000	2.3718	1.9074	1.8098	1.9378	2.9242	3.1034
	2.5957	2.8298	2.8787	3.3096	2.5584	2.5269
	2.8084	2.8247	2.5883	2.7831	2.5085	2.7335
	2.7804	2.8664				
0.53000	2.3911	1.9369	2.0491	1.9817	3.0897	2.9842
	2.5059	2.8294	2.8351	3.0498	2.4878	2.4692
	2.7312	2.7020	2.8104	2.8178	2.7164	2.6233
	2.7506	2.6962				
0.52000	2.3184	1.9306	1.8975	2.4332	2.9730	3.0165
	2.4816	2.6892	2.7990	3.0074	2.4091	2.4002
	2.6488	2.6586	2.6843	2.7297	2.4344	2.5841
	2.7347	2.6853				
0.51000	2.1850	1.8847	1.9895	2.7000	3.0004	2.9420

	2.4576	2.6716	2.5536	2.8590	2.3709	2.3509
	2.5698	2.6145	2.5861	2.6792	2.4417	2.5052
	2.6612	2.5954				
0.50000	2.1958	1.9414	1.8673	2.7750	3.2184	2.9488
	2.3132	2.5830	2.5820	2.7634	2.2799	2.2309
	2.5303	2.5185	2.6631	2.6765	2.4993	2.4304
	2.6072	2.6022				
0.49000	2.1444	1.8987	1.6409	2.8157	3.0719	2.8206
	2.3193	2.5244	2.4799	2.6027	1.9220	2.2402
	2.5268	2.4204	2.6352	2.5297	2.4674	2.4059
	2.4910	2.7934				
0.48000	2.0303	1.5912	1.8430	2.7677	3.6613	2.8511
	2.2894	2.4195	2.4822	2.6387	1.9467	2.1920
	2.4633	2.3889	2.4487	2.5016	2.2043	2.3628
	2.4626	2.7566				
0.47000	2.0878	1.8250	1.9623	2.7000	2.9303	2.3447
	2.2719	2.4443	2.3870	2.6501	1.9369	2.1948
	2.4663	2.3610	2.4927	2.3546	2.1642	2.2542
	2.2642	2.5943				
0.46000	2.0857	1.9123	1.9164	2.7059	2.7986	2.3530
	2.3419	2.2600	2.3086	2.6239	1.9773	2.1729
	2.3888	2.3165	2.4385	2.2895	2.1395	2.2139
	2.3575	2.4276				
0.45000	1.9807	1.9206	2.0318	1.9015	2.6411	2.2889
	2.3918	2.2658	2.3190	2.4506	1.9871	2.1432
	2.1866	2.2221	2.4560	2.2148	2.2301	2.2592
	2.2845	2.4142				
0.44000	1.8517	1.8092	1.8340	2.1441	2.6014	2.1473
	2.2479	2.1472	2.3289	2.4370	1.8726	2.0827
	2.2394	2.1745	2.4174	2.1111	2.2032	2.1964
	2.2502	2.3416				
0.43000	1.8768	1.7014	1.7902	1.8235	2.5784	2.1907
	2.2033	2.1357	2.2479	2.3851	1.8326	1.9652
	2.1501	2.2039	2.0171	2.1482	1.8726	2.1735
	2.2338	2.3923				
0.42000	1.8695	1.6821	1.8664	2.0495	2.6920	2.1205
	2.1988	2.1506	2.2047	2.2798	1.7792	2.0521
	2.0837	2.1460	2.4174	2.0648	1.8180	2.1359
	2.1604	2.2345				
0.41000	1.8828	1.6682	1.6729	2.5916	2.2522	2.0801
	2.1964	2.1788	2.1403	2.2238	1.7752	1.8796
	2.0408	2.1064	2.1014	2.0290	1.7806	2.0608
	2.1774	2.2055				
0.40000	1.7593	1.7471	1.6507	2.4114	2.2592	2.1847
	2.1531	2.0930	2.0796	2.2322	1.8778	1.9692
	2.0111	2.0506	2.0072	2.0062	1.8732	2.0432
	2.1610	2.2028				
0.39000	1.7022	1.8838	1.6503	2.4886	2.2174	2.1031
	2.0991	2.0714	2.0322	2.0820	1.6957	1.9010
	1.9676	1.9670	1.9308	1.8949	1.8419	1.9856
	2.0547	2.0670				
0.38000	1.6703	1.7892	1.6292	2.5290	2.1857	2.0571
	2.0295	2.0055	2.0329	2.0212	1.6589	1.8517
	1.9221	1.9106	1.8756	1.8877	1.8070	1.9436
	1.9260	1.9353				
0.37000	1.6445	1.8138	1.6027	2.4849	2.1509	2.0473
	1.9822	2.0025	1.9498	2.0402	1.6328	1.8524
	1.8952	1.8724	1.8504	1.8219	1.7468	2.0329
	1.9409	1.9962				
0.36000	1.6011	1.6581	1.5897	2.3451	2.1411	1.8553
	1.9599	1.9837	1.8626	1.9554	1.5630	1.8608
	1.8568	1.8281	1.8503	1.7914	1.7152	1.9900
	1.8638	1.8767				
0.35000	1.6233	1.5739	1.5950	2.1870	2.1601	1.8295

	1.9321	1.9272	1.8212	1.9003	1.5481	1.8530
	1.8587	1.7895	1.8564	1.7329	1.6790	1.9885
	1.8585	1.8494				
0.34000	1.7458	1.6581	1.5318	2.2213	2.0549	1.7652
	1.8779	1.8558	1.7768	1.8735	1.4779	1.8542
	1.8332	1.7695	1.8259	1.7131	1.6669	1.9683
	1.8441	1.7611				
0.33000	1.6711	1.7012	1.4951	2.0488	2.0341	1.7793
	1.8508	1.7757	1.7322	1.8504	1.5502	1.7538
	1.8217	1.7218	1.7726	1.7299	1.6225	1.9411
	1.7905	1.7613				
0.32000	1.6172	1.6184	1.4847	1.9845	2.0702	1.8078
	1.8131	1.7545	1.7585	1.8345	1.5658	1.7367
	1.7148	1.7211	1.7237	1.7417	1.6367	1.8952
	1.7498	1.7360				
0.31000	1.5007	1.6013	1.4234	1.4711	1.8820	1.7774
	1.7846	1.7156	1.7157	1.7880	1.4495	1.6780
	1.6541	1.6721	1.6988	1.6441	1.5593	1.8578
	1.7076	1.6593				
0.30000	1.5071	1.4889	1.5808	1.3818	1.8539	1.7204
	1.7481	1.8662	1.6665	1.6180	1.4243	1.6513
	1.6117	1.6674	1.6111	1.6789	1.5518	1.8109
	1.6795	1.6568				
0.29000	1.5343	1.5292	1.4432	1.6360	1.8051	1.7063
	1.7373	1.8703	1.6309	1.6257	1.4914	1.5439
	1.5824	1.6358	1.5806	1.6303	1.3387	1.7780
	1.6282	1.6266				
0.28000	1.5227	1.4827	1.4748	1.7207	1.8999	1.6599
	1.6769	1.7803	1.6320	1.6178	1.4645	1.5233
	1.5318	1.5995	1.5915	1.6145	1.4529	1.7404
	1.6007	1.5951				
0.27000	1.5410	1.4851	1.3885	1.3705	1.8172	1.6301
	1.6226	1.9258	1.5799	1.5917	1.4842	1.4679
	1.4846	1.5735	1.5355	1.5591	1.4940	1.6611
	1.6010	1.5761				
0.26000	1.5707	1.4522	1.3501	1.5540	1.7948	1.5488
	1.5266	1.8447	1.5212	1.5729	1.3736	1.4938
	1.4733	1.5492	1.4936	1.4894	1.3248	1.6609
	1.5643	1.5270				
0.25000	1.4085	1.4279	1.3420	1.3921	1.6413	1.4965
	1.4994	1.5982	1.5128	1.5399	1.4119	1.4754
	1.4459	1.4569	1.4808	1.5027	1.4613	1.6300
	1.5355	1.6348				
0.24000	1.3682	1.2858	1.3420	1.3196	1.6015	1.4384
	1.4747	1.5996	1.4961	1.5227	1.4178	1.5088
	1.3979	1.4135	1.4453	1.4944	1.4176	1.6245
	1.4604	1.7158				
0.23000	1.4613	1.2904	1.2846	1.3347	1.5329	1.4185
	1.4283	1.4920	1.4819	1.5117	1.3824	1.4470
	1.3546	1.4396	1.3745	1.4847	1.5108	1.5692
	1.4579	1.7251				
0.22000	1.3906	1.2820	1.2422	1.7813	1.4895	1.3991
	1.4050	1.4500	1.4629	1.4701	1.3771	1.4469
	1.3665	1.3851	1.3690	1.4417	1.4537	1.5932
	1.4326	1.6909				
0.21000	1.4073	1.3471	1.3905	1.7701	1.4504	1.3712
	1.4235	1.4657	1.4449	1.4513	1.3509	1.4183
	1.3164	1.3838	1.2058	1.3994	1.4751	1.5299
	1.4408	1.3995				
0.20000	1.4311	1.3689	1.2036	1.5892	1.4913	1.3745
	1.3890	1.4743	1.4344	1.4153	1.3513	1.3877
	1.2857	1.3454	1.2017	1.3795	1.4632	1.4862
	1.3463	1.3858				
0.19000	1.3301	1.3301	1.2266	1.7487	1.4240	1.3167

	1.3408	1.4122	1.3897	1.3927	1.3220	1.3388
	1.2737	1.3207	1.2065	1.4089	1.4463	1.4637
	1.3407	1.3323				
0.18000	1.2479	1.2984	1.1734	1.7201	1.4022	1.3371
	1.2488	1.3803	1.3721	1.3992	1.2763	1.3177
	1.2563	1.3203	1.2057	1.3452	1.4100	1.4205
	1.3151	1.3635				
0.17000	1.2168	1.2881	1.2058	1.6742	1.4156	1.3140
	1.2748	1.3684	1.3414	1.3643	1.2475	1.2906
	1.3250	1.2922	1.1882	1.3260	1.4007	1.4149
	1.2814	1.3051				
0.16000	1.2131	1.2438	1.0970	1.6732	1.3764	1.2778
	1.2530	1.3281	1.3151	1.3733	1.2779	1.2773
	1.2845	1.2739	1.2133	1.2704	1.3511	1.3664
	1.2698	1.2746				
0.15000	1.2522	1.2117	1.0801	1.5675	1.3357	1.2612
	1.2458	1.2947	1.2713	1.3284	1.2454	1.2662
	1.2435	1.2469	1.1972	1.2864	1.3794	1.3470
	1.2342	1.2567				
0.14000	1.1724	1.2301	1.1516	1.6822	1.3206	1.2672
	1.2486	1.2657	1.2708	1.3133	1.2085	1.2468
	1.2315	1.2330	1.1674	1.2379	1.2917	1.3025
	1.2118	1.2337				
0.13000	1.1316	1.2457	1.1894	1.6919	1.2987	1.1949
	1.1639	1.2425	1.2307	1.2896	1.1733	1.2231
	1.2085	1.2353	1.1314	1.2354	1.2672	1.2887
	1.1736	1.2003				
0.12000	1.1793	1.1755	1.1597	1.6270	1.3097	1.2012
	1.1670	1.2248	1.2373	1.2520	1.1802	1.1982
	1.1571	1.2013	1.1072	1.2330	1.1927	1.2649
	1.1581	1.2126				
0.11000	1.1494	1.1815	1.1317	1.5457	1.2941	1.2055
	1.1815	1.1643	1.2019	1.2426	1.1684	1.1679
	1.1373	1.1680	1.1189	1.2046	1.2112	1.2178
	1.1712	1.1846				
0.10000	1.1666	1.1804	1.1226	1.5794	1.2870	1.1690
	1.0992	1.1676	1.1943	1.2103	1.1626	1.1599
	1.1545	1.1634	1.0527	1.1507	1.2205	1.1855
	1.1506	1.3961				
0.090000	1.1582	1.1616	1.0907	1.5398	1.1224	1.1084
	1.1194	1.1435	1.1551	1.1791	1.1091	1.1424
	1.1178	1.1336	1.0846	1.1488	1.1851	1.1620
	1.1081	1.3783				
0.080000	1.1193	1.1411	1.0759	1.3162	1.1104	1.1106
	1.1372	1.1271	1.1413	1.1641	1.1038	1.1199
	1.0949	1.1196	1.0212	1.1245	1.1170	1.1269
	1.1398	1.3261				
0.070000	1.1520	1.1526	1.0323	1.3688	1.0968	1.0978
	1.1039	1.1089	1.1151	1.1560	1.0859	1.1268
	1.0608	1.1079	0.9902	1.0828	1.1111	1.1033
	1.0646	1.1152				
0.060000	1.1288	1.1132	1.0724	1.3432	1.0593	1.0692
	1.0755	1.0819	1.0973	1.1296	1.0657	1.1113
	1.0792	1.0705	0.97737	1.0796	1.0870	1.0802
	1.0587	1.0341				
0.050000	1.0960	1.1055	1.0085	1.3279	1.0568	1.0931
	1.0571	1.0519	1.0624	1.0933	1.0621	1.0590
	1.0437	1.0601	0.96497	1.0410	1.0713	1.0516
	1.0314	1.0569				
0.040000	1.0871	1.0869	0.98555	1.0915	1.0402	1.0298
	1.0650	0.97597	1.0444	1.0656	1.0280	1.0372
	1.0262	1.0095	0.94612	1.0000	1.0408	1.0137
	1.0281	1.0660				
0.030000	1.0889	1.0839	1.0281	1.0392	0.99115	1.0221

	1.0131	1.0166	0.99839	1.0404	1.0051	1.0075
	0.98756	1.0026	0.93007	0.97855	0.98044	0.98503
	0.98867	1.0400				
0.020000	1.0450	1.0086	1.0219	1.0207	0.98029	0.99453
	1.0000	0.98302	0.96394	1.0192	0.96491	0.96379
	0.94485	0.91575	0.90698	0.92520	0.94946	0.96364
	0.99107	1.0521				
0.0100000	1.0539	0.97972	0.96131	1.0210	0.91816	0.92781
	0.94212	0.90580	0.89573	0.93011	0.86893	0.85561
	0.82270	0.83942	0.83505	0.78358	0.81250	0.84211
	0.79675	0.96875				

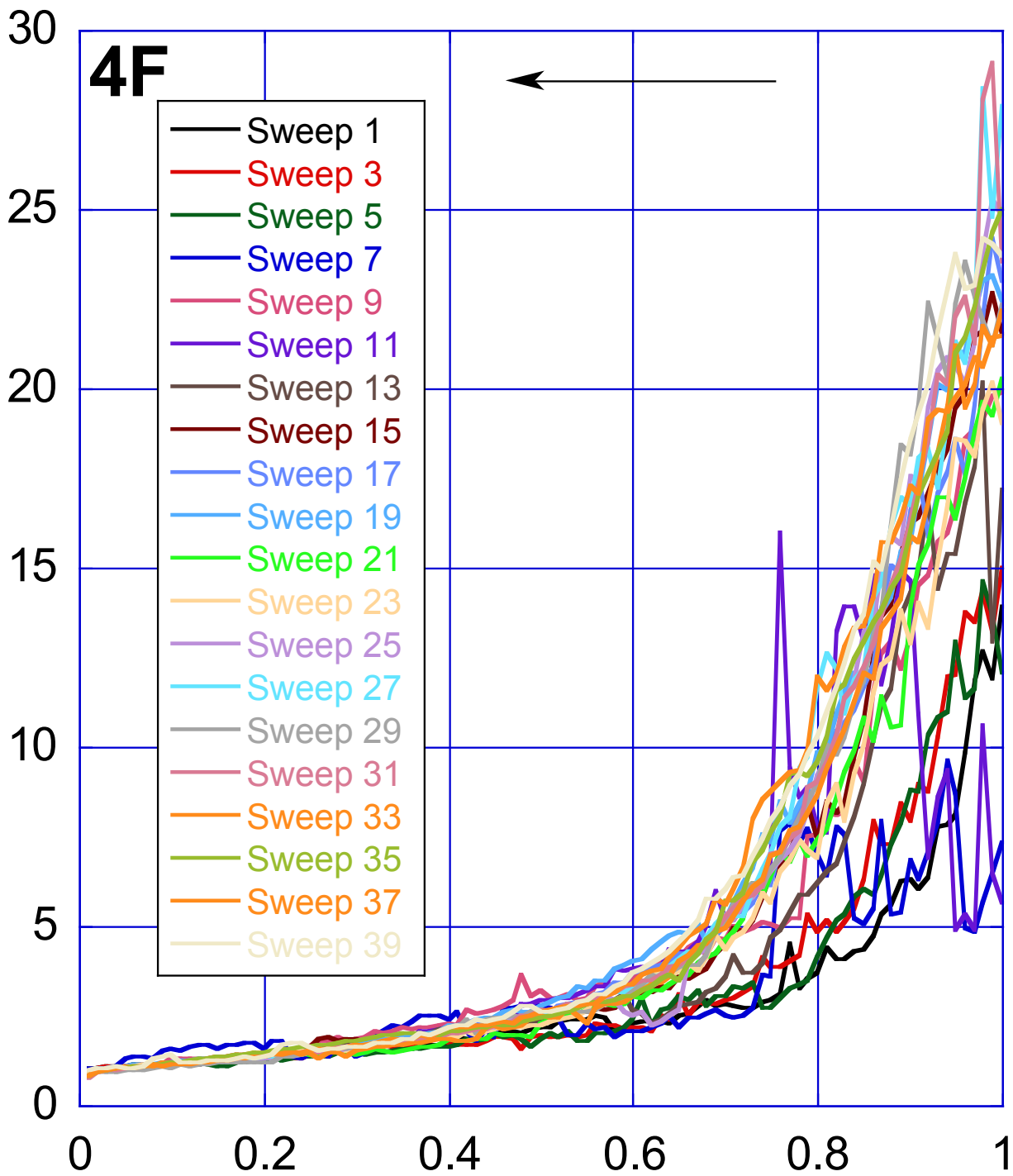


Figure 4F. Sandwich#1. Positive to Negative. RR vs V.

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Figure 5. Sandwich#2
Figure 5A. Sandwich#2.N.to.P.IV voltage (Volts) Current (microamperes)

Voltage	Sweep 2 Sweep 12 Sweep 22 Sweep 32	Sweep 4 Sweep 14 Sweep 24 Sweep 34	Sweep 6 Sweep 16 Sweep 26 Sweep 36	Sweep 8 Sweep 18 Sweep 28 Sweep 38	Sweep 10 Sweep 20 Sweep 30 Sweep 40	
-1.0000	-0.62000	-3.1400	-0.0056000	-0.0093600	-0.0066900	-
2.3900e-05	-9.2200e-05	-7.7100e-05	-8.5800e-05	-2.6600e-05	-1.3100e-05	-
1.8200e-05	-2.1200e-05	-4.5800e-05	-2.1200e-05	-3.6200e-05	-2.4100e-05	-
4.5900e-05	-2.3400e-05	-6.9400e-05				
-0.99000	-0.59500	-2.5700	-0.0063800	-0.0092800	-0.0067400	-
2.6500e-05	-4.3100e-05	-1.4800e-05	-8.3200e-05	-2.5300e-05	-1.1100e-05	-
1.7000e-05	-2.1200e-05	-4.6600e-05	-1.9000e-05	-3.3700e-05	-3.1000e-05	-
2.9000e-05	-2.6000e-05	-0.00010500				
-0.98000	-0.64000	-0.36200	-0.0056900	-0.0089900	-0.0063900	-
3.2700e-05	-3.8100e-05	-2.8200e-05	-7.9100e-05	-2.4500e-05	-1.0700e-05	-
1.5500e-05	-1.9900e-05	-4.2100e-05	-1.9700e-05	-3.2600e-05	-1.4400e-05	-
2.4600e-05	-2.5000e-05	-9.7300e-05				
-0.97000	-0.73300	-1.3500	-0.0047900	-0.0084900	-0.0062000	-
3.9700e-05	-3.6700e-05	-2.8100e-05	-7.6000e-05	-2.4600e-05	-1.0500e-05	-
1.5500e-05	-2.0200e-05	-3.8000e-05	-1.9400e-05	-3.1800e-05	-1.3400e-05	-
4.7700e-05	-2.6700e-05	-9.1500e-05				
-0.96000	-0.73400	-1.5100	-0.0038700	-0.0079300	-0.0058900	-
2.9200e-05	-3.6100e-05	-3.9100e-05	-7.1200e-05	-2.3700e-05	-1.0600e-05	-
2.6000e-05	-1.9500e-05	-3.8100e-05	-2.0200e-05	-2.8800e-05	-1.2900e-05	-
2.7700e-05	-2.2400e-05	-8.0800e-05				
-0.95000	-0.72500	-1.0500	-0.0039600	-0.0078400	-0.0058400	-
6.4600e-06	-3.5600e-05	-4.2600e-05	-7.3700e-05	-2.0900e-05	-1.0800e-05	-
1.5500e-05	-1.9100e-05	-3.6100e-05	-1.7500e-05	-2.9100e-05	-1.2300e-05	-
3.6200e-05	-2.4300e-05	-6.3800e-05				
-0.94000	-0.68200	-0.33500	-0.0039700	-0.0081700	-0.0056000	-
3.4400e-06	-3.4000e-05	-4.0800e-05	-7.1700e-05	-2.1400e-05	-1.0000e-05	-
1.5900e-05	-1.9400e-05	-3.8900e-05	-1.7700e-05	-2.6000e-05	-1.1700e-05	-
2.4300e-05	-2.1400e-05	-3.4100e-05				
-0.93000	-0.70900	-0.56100	-0.0047400	-0.0080600	-0.0053700	-
1.0000e-05	-5.0200e-05	-4.5600e-05	-6.9400e-05	-2.1000e-05	-9.6900e-06	-
1.5000e-05	-1.9100e-05	-3.9200e-05	-1.7200e-05	-2.4800e-05	-1.7300e-05	-
2.0900e-05	-2.0200e-05	-4.0900e-05				
-0.92000	-0.75400	-1.6200	-0.0048100	-0.0071500	-0.0059600	-
1.5300e-05	-4.4200e-05	-4.9400e-05	-6.6200e-05	-2.1000e-05	-9.6200e-06	-
1.4800e-05	-1.7400e-05	-3.7200e-05	-1.7400e-05	-2.4200e-05	-3.0900e-05	-
2.3300e-05	-2.0100e-05	-4.2700e-05				
-0.91000	-0.71600	-1.5400	-0.0040600	-0.0070900	-0.0059600	-
5.9900e-05	-2.1500e-05	-4.2800e-05	-6.3900e-05	-2.0300e-05	-9.5100e-06	-
1.3900e-05	-1.7200e-05	-3.0900e-05	-1.5000e-05	-2.3500e-05	-2.9900e-05	-
2.1700e-05	-1.9400e-05	-2.8600e-05				
-0.90000	-0.30500	-0.68700	-0.0033300	-0.0066000	-0.0052700	-
2.2500e-05	-1.8400e-05	-4.3100e-05	-5.8900e-05	-1.8400e-05	-9.3100e-06	-
1.3100e-05	-1.5900e-05	-3.2700e-05	-1.4700e-05	-2.2000e-05	-2.7200e-05	-
2.3500e-05	-1.8900e-05	-3.0300e-05				
-0.89000	-0.31500	-0.61000	-0.0032600	-0.0065400	-0.0052700	-
8.0000e-05	-1.6000e-05	-3.1600e-05	-5.9200e-05	-1.6200e-05	-8.9100e-06	-
1.3400e-05	-1.6700e-05	-3.2500e-05	-1.4100e-05	-2.1700e-05	-2.6100e-05	-
3.3400e-05	-1.8200e-05	-3.7600e-05				
0.88000	-0.31300	-1.0200	-0.0032300	-0.0068200	-0.0050500	-
2.3600e-05	-1.6100e-05	-3.1800e-05	-5.5900e-05	-1.5200e-05	-8.7700e-06	-
1.2200e-05	-1.5400e-05	-3.2300e-05	-2.1400e-05	-1.9700e-05	-2.3700e-05	-
2.7000e-05	-1.8000e-05	-3.4000e-05				
-0.87000	-0.32400	-0.68900	-0.0033200	-0.0064400	-0.0051000	-
7.5800e-05	-1.3400e-05	-3.4700e-05	-5.4700e-05	-1.4700e-05	-8.2600e-06	-
1.1600e-05	-1.7000e-05	-2.8900e-05	-1.2400e-05	-1.8600e-05	-2.2600e-05	-
2.5300e-05	-1.8300e-05	-3.0100e-05				
-0.86000	-0.31400	-0.62000	-0.0035100	-0.0063500	-0.0047800	-

8.8200e-05	-1.3500e-05	-3.5300e-05	-5.4500e-05	-1.3100e-05	-7.8200e-06	-
8.2300e-06	-1.4900e-05	-3.0100e-05	-1.2300e-05	-1.7700e-05	-2.1500e-05	-
2.9300e-05	-1.7400e-05	-2.1700e-05				
-0.85000	-0.30300	-0.80700	-0.0029600	-0.0064600	-0.0046300	-
8.1300e-05	-1.2600e-05	-3.1400e-05	-5.1400e-05	-1.3800e-05	-7.5700e-06	-
7.4800e-06	-1.4400e-05	-2.9800e-05	-1.2400e-05	-1.7200e-05	-2.0100e-05	-
2.4800e-05	-1.7200e-05	-3.0700e-05				
-0.84000	-0.30000	-0.90000	-0.0030400	-0.0062100	-0.0050800	-
8.2500e-05	-1.3100e-05	-2.9200e-05	-4.9300e-05	-1.2600e-05	-7.3100e-06	-
8.0700e-06	-1.4500e-05	-2.5700e-05	-1.1400e-05	-1.6100e-05	-1.9500e-05	-
1.7800e-05	-1.6800e-05	-2.9800e-05				
-0.83000	-0.28200	-1.1600	-0.0032900	-0.0062500	-0.0048600	-
5.6700e-05	-1.3700e-05	-3.8300e-05	-4.7100e-05	-1.3400e-05	-7.1900e-06	-
7.1800e-06	-1.3700e-05	-2.6800e-05	-1.4200e-05	-1.5400e-05	-2.2700e-05	-
1.9800e-05	-1.6200e-05	-2.1600e-05				
-0.82000	-2.7100	-0.37300	-0.0030500	-0.0061400	-0.0048400	-
4.1400e-05	-1.3300e-05	-2.8200e-05	-4.8100e-05	-1.2100e-05	-6.7300e-06	-
6.8000e-06	-1.3300e-05	-2.6600e-05	-1.3000e-05	-1.4800e-05	-1.9500e-05	-
1.3900e-05	-1.5600e-05	-2.1600e-05				
-0.81000	-1.3500	-0.83400	-0.0037300	-0.0057800	-0.0046100	-
2.4100e-05	-1.2500e-05	-3.1900e-05	-4.7000e-05	-1.2700e-05	-6.6400e-06	-
6.8200e-06	-1.2700e-05	-2.6600e-05	-1.3500e-05	-1.4200e-05	-1.8000e-05	-
1.6800e-05	-1.5400e-05	-2.1400e-0				
-0.80000	-0.55900	-0.97800	-0.0034700	-0.0054900	-0.0045500	-
2.3800e-05	-1.1300e-05	-4.2300e-05	-4.5400e-05	-1.1300e-05	-6.3100e-06	-
6.6400e-06	-1.2200e-05	-2.6300e-05	-1.3600e-05	-1.3500e-05	-1.8600e-05	-
1.4200e-05	-1.4900e-05	-2.6900e-05				
-0.79000	-0.34200	-0.59600	-0.0035800	-0.0052200	-0.0041000	-
3.1900e-05	-1.2500e-05	-3.5700e-05	-3.2700e-05	-1.1300e-05	-6.1000e-06	-
6.6800e-06	-1.2200e-05	-2.5700e-05	-1.3800e-05	-1.2600e-05	-8.1200e-06	-
1.3900e-05	-1.5500e-05	-1.9500e-05				
-0.78000	-0.29700	-0.19400	-0.0036700	-0.0051900	-0.0038300	-
4.5400e-05	-1.1800e-05	-3.3300e-05	-3.2700e-05	-1.0700e-05	-5.6500e-06	-
5.7800e-06	-1.1800e-05	-2.4500e-05	-1.3500e-05	-1.2300e-05	-7.5900e-06	-
1.4200e-05	-1.5400e-05	-2.5000e-05				
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6.1200e-05	-1.1000e-05	-3.2900e-05	-3.8700e-05	-9.6200e-06	-5.4100e-06	-
5.6700e-06	-1.2400e-05	-2.5100e-05	-1.3400e-05	-1.1700e-05	-6.8400e-06	-
1.4800e-05	-1.4700e-05	-2.2300e-05				
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8.7200e-05	-1.4700e-05	-2.8900e-05	-3.9800e-05	-9.7300e-06	-5.2000e-06	-
5.5900e-06	-1.0200e-05	-2.4400e-05	-1.1900e-05	-1.1200e-05	-6.5700e-06	-
1.3000e-05	-1.3900e-05	-1.7800e-05				
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0.00035500	-1.2900e-05	-3.4500e-05	-2.9900e-05	-9.5800e-06	-4.6800e-06	-
5.4600e-06	-1.0000e-05	-2.3700e-05	-1.0600e-05	-1.0600e-05	-6.6500e-06	-
1.3000e-05	-1.3800e-05	-1.7800e-05				
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0.00023100	-1.1800e-05	-3.9100e-05	-2.8900e-05	-9.1000e-06	-5.0800e-06	-
5.7100e-06	-1.0800e-05	-1.8700e-05	-1.2000e-05	-1.0100e-05	-6.4400e-06	-
1.5000e-05	-1.3400e-05	-2.4200e-05				
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0.00010400	-1.2300e-05	-4.8600e-05	-2.9300e-05	-9.2600e-06	-4.0500e-06	-
5.4800e-06	-1.0100e-05	-2.2400e-05	-1.1600e-05	-9.6100e-06	-6.3000e-06	-
1.4500e-05	-1.3100e-05	-1.9100e-05				
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0.00016900	-1.2200e-05	-6.2500e-05	-2.6300e-05	-8.6100e-06	-3.6000e-06	-
5.4600e-06	-9.7600e-06	-2.3000e-05	-1.1200e-05	-9.2300e-06	-5.7800e-06	-
1.3900e-05	-1.2900e-05	-2.1400e-05				
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2.7900e-05	-1.1900e-05	-3.2100e-05	-2.5700e-05	-7.9900e-06	-3.4400e-06	-
6.6200e-06	-9.4700e-06	-2.2200e-05	-1.1000e-05	-9.2900e-06	-5.4800e-06	-
1.2700e-05	-1.3200e-05	-1.8200e-05				
-0.70000	-0.30900	-0.81400	-0.023700	-0.0043100	-0.0026700	-

2.5100e-05	-1.1300e-05	-2.7500e-05	-2.6800e-05	-7.9900e-06	-3.2400e-06	-
7.3800e-06	-9.3900e-06	-2.2300e-05	-1.0900e-05	-8.7400e-06	-5.3200e-06	-
1.2300e-05	-1.2800e-05	-1.4100e-05				
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0.00020000	-1.1300e-05	-5.0800e-05	-2.4400e-05	-7.8100e-06	-4.1900e-06	-
7.6000e-06	-9.6500e-06	-2.0100e-05	-1.0100e-05	-8.5100e-06	-5.2100e-06	-
1.1700e-05	-1.1500e-05	-1.6800e-05				
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1.5400e-05	-1.4200e-05	-4.9100e-05	-2.6200e-05	-7.5800e-06	-3.4500e-06	-
7.4000e-06	-1.0200e-05	-2.0100e-05	-9.6100e-06	-8.2900e-06	-5.1500e-06	-
1.3800e-05	-1.1100e-05	-1.4600e-05				
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8.5300e-05	-1.2500e-05	-6.5100e-05	-2.3800e-05	-6.9900e-06	-3.3600e-06	-
7.6100e-06	-9.5200e-06	-2.0200e-05	-1.0100e-05	-8.3800e-06	-4.8500e-06	-
1.2500e-05	-1.0700e-05	-1.2900e-05				
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4.5700e-05	-1.0800e-05	-7.6200e-05	-2.1600e-05	-7.0300e-06	-3.4200e-06	-
6.6700e-06	-9.1100e-06	-1.6000e-05	-1.1200e-05	-7.5900e-06	-4.7500e-06	-
1.2400e-05	-1.0300e-05	-1.8400e-05				
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4.8900e-06	-8.8800e-06	-1.9400e-05	-1.0900e-05	-7.3100e-06	-4.4000e-06	-
9.9000e-06	-1.0600e-05	-1.2800e-05				
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2.9100e-05	-9.2500e-06	-5.2100e-05	-1.9100e-05	-6.2800e-06	-3.4000e-06	-
4.7600e-06	-8.4400e-06	-1.6300e-05	-1.0700e-05	-0.00011300	-4.3200e-06	-
8.6800e-06	-1.0000e-05	-1.3400e-05				
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8.9000e-07	-1.2000e-05	-4.3900e-05	-2.8600e-05	-6.6400e-06	-3.1100e-06	-
4.7800e-06	-8.2500e-06	-1.7700e-05	-9.9700e-06	-7.0000e-06	-4.8500e-06	-
8.0900e-06	-9.5800e-06	-1.2000e-05				
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3.4700e-06	-1.0300e-05	-5.4200e-05	-2.8700e-05	-6.1400e-06	-1.6700e-06	-
5.5100e-06	-8.4200e-06	-1.4900e-05	-1.0600e-05	-6.6600e-06	-3.9600e-06	-
9.1000e-06	-9.4600e-06	-1.2300e-05				
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4.0100e-06	-9.4000e-06	-4.5500e-05	-2.3700e-05	-6.2600e-06	-1.7200e-06	-
5.6400e-06	-8.0500e-06	-1.7100e-05	-8.3300e-06	-6.4000e-06	-4.0000e-06	-
8.0700e-06	-9.2200e-06	-1.1100e-05				
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3.1300e-06	-8.4000e-06	-4.0900e-05	-2.2500e-05	-6.6700e-06	-1.7200e-06	-
4.0800e-06	-7.4400e-06	-1.3100e-05	-8.5600e-06	-6.2600e-06	-4.0200e-06	-
8.2100e-06	-8.5800e-06	-9.7000e-06				
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3.0100e-06	-8.2900e-06	-2.4600e-05	-2.2800e-05	-6.5700e-06	-2.0300e-06	-
5.0500e-06	-7.5000e-06	-1.6300e-05	-8.1000e-06	-6.0300e-06	-3.7500e-06	-
8.1300e-06	-9.9100e-06	-1.1600e-05				
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5.8600e-06	-8.8400e-06	-2.7700e-05	-2.3000e-05	-6.1800e-06	-2.0700e-06	-
3.6800e-06	-6.8000e-06	-1.2700e-05	-8.0000e-06	-5.8100e-06	-3.8600e-06	-
7.3000e-06	-9.3400e-06	-1.3100e-05				
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1.6600e-05	-1.0500e-05	-3.0800e-05	-2.2600e-05	-5.9500e-06	-2.5100e-06	-
4.4300e-06	-7.1600e-06	-1.2400e-05	-7.1700e-06	-5.5600e-06	-3.5100e-06	-
7.1700e-06	-9.7400e-06	-1.3500e-05				
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5.1800e-06	-8.4900e-06	-3.2600e-05	-2.2900e-05	-6.0300e-06	-2.5800e-06	-
4.5200e-06	-6.9100e-06	-1.2000e-05	-6.9000e-06	-5.1800e-06	-3.2600e-06	-
8.3100e-06	-8.5200e-06	-1.0900e-05				
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5.2100e-05	-1.0500e-05	-3.6300e-05	-1.6400e-05	-5.5800e-06	-1.9000e-06	-
4.1500e-06	-6.4500e-06	-1.1200e-05	-6.2300e-06	-5.1800e-06	-3.0000e-06	-
6.4100e-06	-7.8400e-06	-1.2200e-05				
-0.54000	-0.15700	-0.57700	-0.023100	-0.0026700	-0.0014500	-

0.00015000	-9.4100e-06	-4.1000e-05	-1.5400e-05	-5.6300e-06	-2.0900e-06	-
2.9100e-06	-6.2100e-06	-1.2000e-05	-5.8900e-06	-4.9300e-06	-2.8800e-06	-
6.5900e-06	-8.6600e-06	-9.5200e-06				
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0.0015400	-7.1700e-06	-4.4600e-05	-1.4800e-05	-5.2800e-06	-1.1800e-06	-
2.9100e-06	-6.8400e-06	-1.1500e-05	-6.4200e-06	-4.6300e-06	-2.8100e-06	-
7.6200e-06	-8.2500e-06	-1.1400e-05				
-0.52000	-0.23200	-0.43900	-0.0047900	-0.0021600	-0.0013500	-
0.0018900	-8.2400e-06	-4.0800e-05	-1.3300e-05	-4.6600e-06	-1.6400e-06	-
2.8500e-06	-5.4300e-06	-1.3900e-05	-5.5500e-06	-4.5400e-06	-2.7500e-06	-
7.7700e-06	-8.2300e-06	-1.1500e-05				
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7.0400e-05	-7.3300e-06	-4.6000e-05	-1.3300e-05	-4.6600e-06	-1.2900e-06	-
2.7300e-06	-5.7600e-06	-1.0200e-05	-5.5000e-06	-4.4000e-06	-2.5000e-06	-
1.0800e-05	-8.0100e-06	-9.4500e-06				
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0.00074400	-5.6800e-06	-4.4400e-05	-1.2500e-05	-4.6100e-06	-1.9000e-06	-
2.3600e-06	-5.6800e-06	-1.2300e-05	-5.2100e-06	-4.1600e-06	-2.5200e-06	-
1.0400e-05	-7.9800e-06	-9.7800e-06				
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0.00087900	-5.9800e-06	-3.6200e-05	-1.2100e-05	-4.2300e-06	-2.8100e-06	-
2.2800e-06	-4.8500e-06	-9.8200e-06	-4.3600e-06	-3.8900e-06	-2.3500e-06	-
6.9300e-06	-7.4200e-06	-8.7300e-06				
-0.48000	-0.85200	-0.30400	-0.0046100	-0.0019000	-0.0010700	-
0.00087300	-4.9900e-06	-4.3400e-05	-1.1300e-05	-4.0300e-06	-2.1800e-06	-
2.9000e-06	-4.9500e-06	-1.0500e-05	-4.1100e-06	-3.7700e-06	-2.2500e-06	-
7.9600e-06	-6.8100e-06	-8.8200e-06				
-0.47000	-0.33400	-0.43200	-0.0098000	-0.0018000	-0.0010500	-
0.0016000	-5.0200e-06	-4.1700e-05	-1.0900e-05	-4.4200e-06	-2.0400e-06	-
2.5500e-06	-5.2700e-06	-8.8400e-06	-3.3700e-06	-3.5600e-06	-2.0400e-06	-
8.4500e-06	-7.2700e-06	-7.9500e-06				
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0.0040700	-4.2500e-06	-3.6800e-05	-1.1300e-05	-4.3400e-06	-2.0500e-06	-
2.3300e-06	-4.3700e-06	-9.2300e-06	-3.5800e-06	-3.7600e-06	-1.9200e-06	-
5.9900e-06	-7.5600e-06	-7.5400e-06				
-0.45000	-0.62500	-0.28700	-0.0062900	-0.0017100	-0.0010900	-
0.0035100	-4.6100e-06	-3.9300e-05	-1.1100e-05	-4.4600e-06	-2.4300e-06	-
2.3900e-06	-4.5100e-06	-7.8800e-06	-3.3800e-06	-3.5600e-06	-1.8000e-06	-
8.7800e-06	-6.8600e-06	-8.1700e-06				
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0.0016700	-4.8400e-06	-3.9100e-05	-1.1500e-05	-3.8500e-06	-2.3500e-06	-
2.2500e-06	-4.2600e-06	-7.3600e-06	-3.2100e-06	-3.1000e-06	-1.7600e-06	-
7.5100e-06	-6.6700e-06	-5.6000e-06				
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0.0041000	-5.2400e-06	-3.6800e-05	-1.0900e-05	-3.4100e-06	-2.4600e-06	-
2.3000e-06	-4.0400e-06	-6.4700e-06	-3.0700e-06	-3.2300e-06	-1.6900e-06	-
4.4500e-06	-5.7500e-06	-5.9000e-06				
-0.42000	-0.67500	-0.40700	-0.0024000	-0.089800	-0.00089700	-
0.0054700	-4.5200e-06	-3.2200e-05	-1.0100e-05	-4.3000e-06	-2.4200e-06	-
2.4500e-06	-3.8700e-06	-7.5800e-06	-2.6100e-06	-3.0300e-06	-1.5200e-06	-
5.0400e-06	-5.5400e-06	-8.0100e-06				
-0.41000	-0.69900	-0.28900	-0.0029200	-0.077600	-0.00086700	-
0.0045300	-3.5000e-06	-3.6700e-05	-9.5800e-06	-3.4700e-06	-2.1100e-06	-
2.6100e-06	-3.4600e-06	-7.4000e-06	-2.4200e-06	-3.0300e-06	-1.4300e-06	-
3.6600e-06	-5.4400e-06	-8.2400e-06				
-0.40000	-0.65800	-0.34400	-0.0020200	-0.10100	-0.00082100	-
0.0029200	-4.9300e-06	-4.1000e-05	-9.2800e-06	-3.2300e-06	-1.8300e-06	-
2.4700e-06	-3.1100e-06	-6.1700e-06	-2.1400e-06	-2.7900e-06	-1.3500e-06	-
4.0700e-06	-5.0700e-06	-5.4400e-06				
-0.39000	-0.65300	-0.27700	-0.0064200	-0.087000	-0.00073400	-
0.0035600	-3.3800e-06	-4.3800e-05	-9.1300e-06	-3.1600e-06	-2.0100e-06	-
1.9700e-06	-3.0900e-06	-5.6700e-06	-1.9800e-06	-2.6100e-06	-1.2400e-06	-
3.8400e-06	-5.0000e-06	-4.4500e-06				
-0.38000	-0.60400	-0.19800	-0.011900	-0.063100	-0.00069800	-

0.0010600	-2.2200e-06	-4.6000e-05	-9.0800e-06	-6.5000e-07	-1.1300e-06	-
1.9200e-06	-2.9400e-06	-5.9900e-06	-1.9300e-06	-2.5100e-06	-1.1700e-06	-
3.8500e-06	-4.4600e-06	-4.8800e-06				
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0.00054400	-2.3800e-06	-5.3300e-05	-8.8500e-06	-7.1000e-07	-1.5600e-06	-
1.9400e-06	-2.9400e-06	-5.5000e-06	-1.6900e-06	-2.5300e-06	-1.1200e-06	-
2.5900e-06	-4.1200e-06	-4.7000e-06				
-0.36000	-0.53100	-0.19100	-0.0048300	-0.060500	-0.00071200	-
0.00019300	-3.4900e-06	-5.4400e-05	-8.8200e-06	-7.1000e-07	-1.2100e-06	-
1.9400e-06	-2.9800e-06	-4.9700e-06	-1.5100e-06	-2.4300e-06	-1.0800e-06	-
2.7300e-06	-3.6600e-06	-4.2100e-06				
-0.35000	-0.48500	-0.078700	-0.0050100	-0.059300	-0.00069900	-
0.0012200	-3.9600e-06	-4.4700e-05	-7.9900e-06	-8.3000e-07	-1.2800e-06	-
1.7700e-06	-2.7100e-06	-4.7100e-06	-1.4800e-06	-2.3400e-06	-9.9000e-07	-
1.6800e-06	-3.6300e-06	-4.9900e-06				
-0.34000	-0.47500	-0.12900	-0.0028700	-0.062900	-0.00067700	-
0.00073800	-2.6400e-06	-5.2200e-05	-7.9300e-06	-7.9000e-07	-1.0500e-06	-
1.6200e-06	-2.4700e-06	-2.5600e-06	-1.2300e-06	-2.2800e-06	-9.2000e-07	-
2.2800e-06	-3.6200e-06	-3.7900e-06				
-0.33000	-0.43200	-0.063400	-0.0023900	-0.057900	-0.00064800	-
0.0011400	-2.2400e-06	-5.3500e-05	-7.5300e-06	-9.6000e-07	-9.1000e-07	-
1.4700e-06	-2.5900e-06	-2.6400e-06	-1.1100e-06	-2.1200e-06	-8.7000e-07	-
3.2600e-06	-2.7700e-06	-3.4600e-06				
-0.32000	-0.44800	-0.077400	-0.0026000	-0.059400	-0.00056700	-
0.0014000	-2.8900e-06	-4.4600e-05	-7.5500e-06	-9.2000e-07	-1.3800e-06	-
1.3500e-06	-2.2600e-06	-2.5900e-06	-1.1800e-06	-2.1000e-06	-8.0000e-07	-
2.2700e-06	-2.8300e-06	-3.1000e-06				
-0.31000	-0.41700	-0.087400	-0.0014400	-0.056600	-0.00050600	-
0.0010600	-1.9900e-06	-4.5600e-05	-7.0500e-06	-9.0000e-07	-1.0700e-06	-
1.3600e-06	-2.1700e-06	-2.5500e-06	-1.1100e-06	-1.9400e-06	-7.8000e-07	-
1.4400e-06	-2.8300e-06	-2.8300e-06				
-0.30000	-0.44800	-0.11900	-0.0012600	-0.055500	-0.00049500	-
0.00085500	-1.5100e-06	-4.1200e-05	-6.7800e-06	-8.3000e-07	-9.7000e-07	-
1.2000e-06	-1.8200e-06	-2.5800e-06	-1.0400e-06	-1.9200e-06	-7.7000e-07	-
1.4800e-06	-2.9500e-06	-3.2300e-06				
-0.29000	-0.41400	-0.064200	-0.0015200	-0.053600	-0.00047300	-
0.0012000	-2.2700e-06	-3.7800e-05	-6.7100e-06	-7.4000e-07	-8.5000e-07	-
1.1500e-06	-1.7200e-06	-2.4200e-06	-9.7000e-07	-1.7900e-06	-7.0000e-07	-
1.1300e-06	-2.5100e-06	-2.3700e-06				
-0.28000	-0.16800	-0.075600	-0.0015600	-0.051600	-0.00045200	-
0.0013200	-1.7500e-06	-1.8000e-05	-6.0300e-06	-8.0000e-07	-7.8000e-07	-
1.0100e-06	-1.7500e-06	-2.2600e-06	-8.7000e-07	-1.7300e-06	-6.4000e-07	-
1.3200e-06	-2.1600e-06	-2.5700e-06				
-0.27000	-0.17200	-0.080300	-0.0013100	-0.043000	-0.00037700	-
0.0013300	-1.6700e-06	-3.0200e-05	-6.0700e-06	-8.4000e-07	-8.0000e-07	-
8.8000e-07	-1.6500e-06	-2.2600e-06	-8.4000e-07	-1.6300e-06	-6.1000e-07	-
1.8900e-06	-2.1000e-06	-2.0900e-06				
-0.26000	-0.18000	-0.071000	-0.0029400	-0.043800	-0.00036800	-
0.0015100	-1.3100e-06	-3.5100e-05	-5.8300e-06	-8.0000e-07	-7.8000e-07	-
8.5000e-07	-1.5200e-06	-2.2100e-06	-7.1000e-07	-1.6000e-06	-5.6000e-07	-
9.8000e-07	-2.0900e-06	-1.7900e-06				
-0.25000	-0.16000	-0.079400	-0.0023600	-0.040900	-0.00030200	-
0.0020100	-1.2700e-06	-3.2500e-05	-5.0700e-06	-7.1000e-07	-7.8000e-07	-
8.0000e-07	-1.5100e-06	-2.0200e-06	-6.8000e-07	-1.5600e-06	-5.1000e-07	-
8.7000e-07	-1.8800e-06	-1.7200e-06				
-0.24000	-0.14900	-0.055800	-0.00054900	-0.039700	-0.00028100	-
0.0018300	-1.4400e-06	-3.3800e-05	-4.9400e-06	-8.3000e-07	-6.7000e-07	-
7.7000e-07	-1.3500e-06	-1.9700e-06	-6.4000e-07	-1.4400e-06	-5.0000e-07	-
8.2000e-07	-1.7300e-06	-1.3800e-06				
-0.23000	-0.12400	-0.071800	-0.00072300	-0.036700	-0.00023500	-
0.0021300	-1.4200e-06	-3.1100e-05	-4.7700e-06	-6.6000e-07	-6.3000e-07	-
6.6000e-07	-1.2900e-06	-1.8400e-06	-5.7000e-07	-1.3700e-06	-4.5000e-07	-
8.3000e-07	-1.7400e-06	-1.3900e-06				
-0.22000	-0.071000	-0.061600	-0.00054100	-0.034900	-0.00020900	-

0.0019100	-1.2000e-06	-2.5300e-05	-4.3800e-06	-6.3000e-07	-6.5000e-07	-
4.0000e-07	-1.2000e-06	-1.6500e-06	-5.1000e-07	-1.3000e-06	-4.2000e-07	-
6.9000e-07	-1.4500e-06	-1.1500e-06				
-0.21000	-0.12400	-0.058800	-0.00047400	-0.033100	-0.00031000	-
0.0028300	-8.8000e-07	-3.3400e-05	-4.1300e-06	-5.1000e-07	-6.7000e-07	-
3.9000e-07	-1.1400e-06	-1.6200e-06	-5.0000e-07	-1.2200e-06	-4.4000e-07	-
6.2000e-07	-1.2600e-06	-1.1300e-06				
-0.20000	-0.067900	-0.043400	-0.00074800	-0.031800	-0.00023100	-
0.0028000	-9.5000e-07	-2.2400e-05	-4.0000e-06	-4.3000e-07	-2.3000e-07	-
3.6000e-07	-1.0400e-06	-1.4900e-06	-4.6000e-07	-1.1900e-06	-4.0000e-07	-
5.4000e-07	-1.2200e-06	-1.0400e-06				
-0.19000	-0.074000	-0.047600	-0.00026400	-0.029600	-0.00022300	-
0.0026200	-7.1000e-07	-2.3200e-05	-3.6000e-06	-4.1000e-07	-4.2000e-07	-
2.9000e-07	-1.0500e-06	-1.4100e-06	-3.8000e-07	-1.0200e-06	-3.8000e-07	-
5.2000e-07	-1.1700e-06	-1.0300e-06				
-0.18000	-0.079900	-0.044300	-0.00025200	-0.027200	-0.00013300	-
0.0025100	-7.6000e-07	-1.8200e-05	-3.5200e-06	-4.4000e-07	-4.2000e-07	-
3.2000e-07	-9.3000e-07	-1.3800e-06	-3.5000e-07	-9.4000e-07	-3.2000e-07	-
5.0000e-07	-9.9000e-07	-9.1000e-07				
-0.17000	-0.068400	-0.030700	-0.00025200	-0.026000	-0.00012100	-
0.0031600	-1.0900e-06	-1.1300e-05	-3.3900e-06	-3.8000e-07	-4.3000e-07	-
3.0000e-07	-9.2000e-07	-1.2100e-06	-3.4000e-07	-8.5000e-07	-3.2000e-07	-
4.2000e-07	-8.9000e-07	-7.8000e-07				
-0.16000	-0.060800	-0.024300	-0.00018400	-0.023500	-0.00011900	-
0.0022700	-1.0900e-06	-1.2400e-05	-3.0600e-06	-4.3000e-07	-4.6000e-07	-
2.7000e-07	-9.3000e-07	-1.2000e-06	-3.0000e-07	-8.0000e-07	-2.7000e-07	-
3.5000e-07	-8.9000e-07	-7.2000e-07				
-0.15000	-0.054900	-0.025700	-0.00022000	-0.021300	-0.00010100	-
0.0015200	-7.3000e-07	-1.1700e-05	-2.5700e-06	-3.4000e-07	-4.9000e-07	-
2.1000e-07	-7.1000e-07	-1.0300e-06	-3.3000e-07	-7.2000e-07	-2.6000e-07	-
3.7000e-07	-7.7000e-07	-6.5000e-07				
-0.14000	-0.045600	-0.019900	-0.00017000	-0.019300	-9.2400e-05	-
0.0019800	-6.6000e-07	-9.4900e-06	-2.4700e-06	-2.9000e-07	-4.5000e-07	-
2.0000e-07	-7.1000e-07	-9.2000e-07	-2.2000e-07	-6.9000e-07	-2.1000e-07	-
3.0000e-07	-6.9000e-07	-5.2000e-07				
-0.13000	-0.037600	-0.022000	-0.00017800	-0.018900	-7.4600e-05	-
0.0020100	-6.7000e-07	-9.9400e-06	-2.1900e-06	-3.6000e-07	-4.6000e-07	-
2.3000e-07	-6.2000e-07	-8.9000e-07	-2.6000e-07	-6.1000e-07	-1.8000e-07	-
2.7000e-07	-5.7000e-07	-4.6000e-07				
-0.12000	-0.034200	-0.017700	-0.00015800	-0.018000	-8.1200e-05	-
0.0013500	-6.7000e-07	-1.0100e-05	-2.0300e-06	-3.0000e-07	-3.3000e-07	-
1.9000e-07	-5.6000e-07	-8.2000e-07	-2.3000e-07	-5.4000e-07	-1.7000e-07	-
2.8000e-07	-4.7000e-07	-3.9000e-07				
-0.11000	-0.032500	-0.014100	-0.00019400	-0.015700	-5.9100e-05	-
0.0013400	-5.5000e-07	-8.0700e-06	-1.8400e-06	-2.7000e-07	-2.9000e-07	-
1.8000e-07	-4.9000e-07	-6.7000e-07	-2.4000e-07	-5.1000e-07	-1.2000e-07	-
2.1000e-07	-4.6000e-07	-3.7000e-07				
-0.10000	-0.028800	-0.015400	-0.00011900	-0.013400	-4.9000e-05	-
0.0010700	-4.4000e-07	-6.9700e-06	-1.6800e-06	-1.9000e-07	-3.1000e-07	-
1.5000e-07	-4.5000e-07	-6.5000e-07	-1.7000e-07	-4.3000e-07	-1.2000e-07	-
2.0000e-07	-3.8000e-07	-2.9000e-07				
-0.090000	-0.026300	-0.011900	-0.00018800	-0.012100	-4.2700e-05	-
0.00040700	-4.3000e-07	-7.2100e-06	-1.3800e-06	-1.7000e-07	-3.4000e-07	-
1.7000e-07	-3.7000e-07	-3.8000e-07	-1.2000e-07	-3.6000e-07	-9.0000e-08	-
1.7000e-07	-3.3000e-07	-2.3000e-07				
-0.080000	-0.023100	-0.010400	-8.9700e-05	-0.011200	-3.7400e-05	-
0.00022100	-3.0000e-07	-5.9600e-06	-1.2900e-06	-1.2000e-07	-2.1000e-07	-
1.3000e-07	-3.0000e-07	-3.6000e-07	-8.0000e-08	-2.8000e-07	-7.0000e-08	-
1.4000e-07	-2.4000e-07	-2.2000e-07				
-0.070000	-0.019000	-0.0092200	-0.00010600	-0.0096500	-3.0200e-05	-
0.00021800	-2.4000e-07	-5.6200e-06	-1.1100e-06	-1.5000e-07	-1.9000e-07	-
1.0000e-07	-2.6000e-07	-2.9000e-07	-8.0000e-08	-2.5000e-07	-3.0000e-08	-
1.0000e-07	-2.2000e-07	-1.5000e-07				
-0.060000	-0.015500	-0.0077500	-6.0200e-05	-0.0079800	-2.8000e-05	-

0.00018900	-1.9000e-07	-5.8600e-06	-9.0000e-07	-6.0000e-08	-1.1000e-07	-
7.0000e-08	-1.9000e-07	-2.8000e-07	-5.0000e-08	-2.0000e-07	-3.0000e-08	-
4.0000e-08	-1.2000e-07	-1.6000e-07				
-0.050000	-0.012500	-0.0060400	-4.1500e-05	-0.0067400	-2.7100e-05	-
0.00020100	-1.4000e-07	-6.2200e-06	-7.3000e-07	-3.0000e-08	-1.6000e-07	-
5.0000e-08	-1.4000e-07	-2.1000e-07	-2.0000e-08	-1.4000e-07	3.0000e-08	-
5.0000e-08	-9.0000e-08	-8.0000e-08				
-0.040000	-0.010200	-0.0052500	-3.8100e-05	-0.0053100	-2.1000e-05	-
0.00012400	8.0000e-08	-5.4600e-06	-5.3000e-07	-1.0000e-08	-6.0000e-08	2.0000e-
08	-8.0000e-08	-1.3000e-07	1.0000e-08	-7.0000e-08	4.0000e-08	-
2.0000e-08	-5.0000e-08	-5.0000e-08				
-0.030000	-0.0068200	-0.0037600	-2.4500e-05	-0.0038200	-2.0600e-05	-
9.1000e-05	-6.0000e-08	-4.3600e-06	-3.8000e-07	4.0000e-08	-3.0000e-08	1.0000e-
08	-3.0000e-08	-6.0000e-08	4.0000e-08	-4.0000e-08	6.0000e-08	3.0000e-
08	-4.0000e-08	0.0000				
-0.020000	-0.0044400	-0.0024200	-1.2900e-05	-0.0025400	-1.0600e-05	-
5.1100e-05	2.0000e-08	-2.5800e-06	-2.2000e-07	9.0000e-08	2.0000e-08	7.0000e-
08	7.0000e-08	-2.0000e-08	7.0000e-08	1.0000e-08	6.0000e-08	4.0000e-
08	4.0000e-08	3.0000e-08				
-0.0100000	-0.0022100	-0.0012200	-1.6700e-05	-0.0013600	-4.6000e-06	-
2.8900e-05	1.1000e-07	-9.0000e-07	-4.0000e-08	1.2000e-07	7.0000e-08	1.0000e-
07	7.0000e-08	5.0000e-08	1.0000e-07	-4.1000e-07	1.2000e-07	9.0000e-
08	7.0000e-08	8.0000e-08				
7.5300e-16	-4.0200e-05	-1.4600e-05	1.0000e-08	-2.4200e-05	-4.0000e-08	-
4.2000e-07	7.0000e-08	4.0000e-08	3.0000e-08	4.0000e-08	3.0000e-08	2.0000e-
08	2.0000e-08	0.0000	1.0000e-08	4.0000e-08	0.0000	1.0000e-
08	-2.0000e-08	-2.0000e-08				
0.0100000	0.0020900	0.00078100	6.0000e-06	0.0012200	6.6700e-06	1.9000e-
05	1.5000e-07	7.7000e-07	2.0000e-07	7.0000e-08	9.0000e-08	7.0000e-
08	6.0000e-08	8.0000e-08	6.0000e-08	9.0000e-08	2.0000e-08	3.0000e-
08	2.0000e-08	1.0000e-08				
0.020000	0.0042800	0.0015100	2.2000e-05	0.0025100	1.3500e-05	3.4000e-
05	1.9000e-07	2.6800e-06	3.9000e-07	1.2000e-07	1.4000e-07	1.2000e-
07	1.2000e-07	1.9000e-07	4.0000e-08	1.1000e-07	3.0000e-08	5.0000e-
08	7.0000e-08	6.0000e-08				
0.030000	0.0061900	0.0023400	1.8500e-05	0.0038100	2.0400e-05	5.3500e-
05	2.6000e-07	4.0300e-06	5.9000e-07	1.6000e-07	1.9000e-07	1.0000e-
07	1.8000e-07	2.2000e-07	9.0000e-08	1.9000e-07	6.0000e-08	1.0000e-
07	1.1000e-07	7.0000e-08				
0.040000	0.0077700	0.0030400	2.7100e-05	0.0050500	2.4100e-05	5.6000e-
05	4.0000e-07	3.1500e-06	7.2000e-07	1.8000e-07	2.2000e-07	9.0000e-
08	2.5000e-07	3.2000e-07	1.1000e-07	2.7000e-07	9.0000e-08	1.6000e-
07	1.6000e-07	1.2000e-07				
0.050000	0.0098200	0.0035400	3.2100e-05	0.0061900	3.9400e-05	7.0800e-
05	5.6000e-07	4.0700e-06	9.1000e-07	2.1000e-07	2.8000e-07	1.5000e-
07	3.1000e-07	3.9000e-07	1.7000e-07	3.1000e-07	9.0000e-08	1.7000e-
07	2.1000e-07	1.6000e-07				
0.060000	0.012100	0.0045100	3.1700e-05	0.0071300	4.3300e-05	4.0900e-
05	6.0000e-07	6.0400e-06	1.0800e-06	2.4000e-07	3.9000e-07	1.8000e-
07	3.7000e-07	5.0000e-07	2.2000e-07	4.5000e-07	1.6000e-07	2.2000e-
07	2.7000e-07	2.2000e-07				
0.070000	0.013100	0.0052100	4.5900e-05	0.0087800	4.6700e-05	5.5200e-
05	6.6000e-07	6.6700e-06	1.2300e-06	3.2000e-07	5.3000e-07	2.5000e-
07	3.7000e-07	5.9000e-07	3.0000e-07	4.1000e-07	1.7000e-07	3.0000e-
07	2.8000e-07	2.7000e-07				
0.080000	0.014800	0.0054100	6.7200e-05	0.0099100	5.2400e-05	7.8200e-
05	7.6000e-07	1.0400e-05	1.4300e-06	3.9000e-07	3.9000e-07	3.0000e-
07	4.7000e-07	6.5000e-07	3.8000e-07	5.2000e-07	1.8000e-07	3.3000e-
07	3.3000e-07	3.0000e-07				
0.090000	0.016500	0.0060200	6.1900e-05	0.011200	5.6700e-05	3.6700e-
05	1.0700e-06	9.1800e-06	1.5800e-06	4.2000e-07	3.5000e-07	3.3000e-
07	5.6000e-07	7.8000e-07	4.2000e-07	5.8000e-07	2.2000e-07	3.9000e-
07	4.0000e-07	3.6000e-07				
0.10000	0.018400	0.0065500	5.5300e-05	0.013500	6.2600e-05	4.5000e-

05	1.0100e-06	8.7600e-06	1.7800e-06	3.5000e-07	4.0000e-07	4.0000e-
07	6.4000e-07	8.9000e-07	5.3000e-07	6.0000e-07	2.5000e-07	4.7000e-
07	4.6000e-07	4.5000e-07				
0.11000	0.019000	0.0072800	6.6800e-05	0.013700	6.7700e-05	1.9900e-
05	1.3200e-06	1.0100e-05	2.0200e-06	2.8000e-07	5.4000e-07	4.5000e-
07	7.0000e-07	1.0300e-06	8.3000e-07	6.4000e-07	2.8000e-07	5.2000e-
07	5.9000e-07	5.0000e-07				
0.12000	0.021000	0.0075300	0.00011300	0.015100	7.0800e-05	3.6600e-
05	2.2600e-06	1.2800e-05	2.1600e-06	3.9000e-07	6.1000e-07	5.1000e-
07	8.0000e-07	8.7000e-07	7.6000e-07	7.8000e-07	3.1000e-07	6.0000e-
07	5.6000e-07	5.6000e-07				
0.13000	0.021800	0.0084000	9.5900e-05	0.016000	8.4300e-05	4.6400e-
05	2.0900e-06	8.6300e-06	2.4200e-06	5.0000e-07	7.2000e-07	5.1000e-
07	8.4000e-07	1.1100e-06	6.5000e-07	8.3000e-07	3.6000e-07	6.6000e-
07	6.5000e-07	6.0000e-07				
0.14000	0.021400	0.0083900	9.6300e-05	0.017300	9.0300e-05	3.6200e-
05	1.8300e-06	1.0900e-05	2.5900e-06	5.1000e-07	9.6000e-07	5.7000e-
07	9.3000e-07	1.2600e-06	8.3000e-07	9.1000e-07	3.6000e-07	7.3000e-
07	7.7000e-07	7.4000e-07				
0.15000	0.022700	0.0085300	0.00010200	0.021000	0.00012300	5.1500e-
05	2.8400e-06	1.1700e-05	2.7300e-06	3.9000e-07	1.0500e-06	6.1000e-
07	1.0300e-06	1.4200e-06	9.9000e-07	1.0000e-06	4.0000e-07	7.4000e-
07	9.3000e-07	7.9000e-07				
0.16000	0.023500	0.0086200	0.00010400	0.020600	0.00013100	5.3100e-
05	3.8800e-06	9.0000e-06	3.0800e-06	5.0000e-07	1.2000e-06	4.7000e-
07	1.1000e-06	1.6600e-06	1.1300e-06	1.4100e-06	4.4000e-07	8.3000e-
07	1.1100e-06	8.5000e-07				
0.17000	0.025800	0.0094800	0.00013100	0.021700	0.00024500	5.2300e-
05	3.5300e-06	1.3200e-05	3.3200e-06	5.8000e-07	1.2000e-06	6.0000e-
07	1.3300e-06	1.6600e-06	1.2400e-06	1.1800e-06	4.2000e-07	9.0000e-
07	1.0800e-06	9.7000e-07				
0.18000	0.025800	0.010200	0.00014100	0.021400	0.00023300	2.1100e-
05	5.6900e-06	1.7000e-05	3.5600e-06	5.6000e-07	1.4000e-06	8.0000e-
07	1.3500e-06	1.7300e-06	1.3100e-06	1.2300e-06	4.7000e-07	1.1100e-
06	1.2100e-06	9.2000e-07				
0.19000	0.026000	0.010300	0.00016400	0.023400	0.00029400	1.9100e-
05	4.3700e-06	2.4700e-05	3.8500e-06	6.0000e-07	8.4000e-07	8.0000e-
07	1.4300e-06	1.9300e-06	1.2200e-06	1.3200e-06	5.6000e-07	1.2400e-
06	1.3000e-06	1.1600e-06				
0.20000	LINE MISSING					
	1.5100e-05	4.5800e-06	2.4400e-05	3.9600e-06	6.9000e-07	9.5000e-
07	9.2000e-07	2.0400e-06	2.0700e-06	1.3800e-06	1.4600e-06	5.7000e-
07	1.2600e-06	1.4000e-06	1.3600e-06			
0.21000	0.027800	0.012100	0.00018800	0.025000	0.00034700	1.3200e-
05	4.5500e-06	3.8200e-05	4.2000e-06	8.6000e-07	9.9000e-07	1.0600e-
06	1.1600e-06	2.0800e-06	1.5800e-06	1.5200e-06	6.1000e-07	1.3200e-
06	1.3100e-06	1.4700e-06				
0.22000	0.028200	0.012500	0.00016900	0.025500	0.00041100	8.3100e-
06	6.1900e-06	4.0400e-05	4.5900e-06	1.0200e-06	1.1800e-06	9.6000e-
07	1.3200e-06	2.4700e-06	1.7100e-06	1.6100e-06	6.0000e-07	1.4000e-
06	1.3900e-06	1.6800e-06				
0.23000	0.032300	0.013000	0.00039000	0.025500	0.00040400	1.4900e-
05	4.2800e-06	2.9800e-05	4.8900e-06	1.0700e-06	1.2300e-06	1.2000e-
06	1.4400e-06	2.5800e-06	2.3200e-06	1.7000e-06	7.0000e-07	1.4900e-
06	1.6000e-06	1.8300e-06				
0.24000	0.032000	0.014000	0.00046400	0.025100	0.00043100	1.5400e-
05	4.3100e-06	3.0500e-05	4.8600e-06	1.1300e-06	1.1000e-06	1.2700e-
06	2.0800e-06	2.7700e-06	2.5900e-06	1.7400e-06	7.6000e-07	1.7500e-
06	1.7200e-06	2.1400e-06				
0.25000	0.033800	0.016200	0.00035300	0.026600	0.00056300	2.8600e-
05	5.3200e-06	3.8600e-05	5.1000e-06	1.3900e-06	1.2800e-06	1.4500e-
06	1.7900e-06	2.9400e-06	1.9300e-06	1.8700e-06	8.1000e-07	1.7400e-
06	1.9500e-06	2.3200e-06				
0.26000	0.031500	0.015000	0.00041200	0.027400	0.00050500	1.9700e-

05	6.9000e-06	3.7200e-05	5.5800e-06	1.6200e-06	1.6200e-06	1.3300e-
06	2.7400e-06	2.9000e-06	2.2000e-06	2.0200e-06	8.9000e-07	1.8700e-
06	2.0700e-06	2.5100e-06				
0.27000	0.032000	0.017000	0.00046200	0.024900	0.00057600	1.3800e-
05	6.5400e-06	3.5500e-05	6.0200e-06	1.6700e-06	1.7400e-06	1.5500e-
06	2.0500e-06	3.3800e-06	2.1800e-06	2.1700e-06	9.4000e-07	2.0000e-
06	2.3100e-06	2.8200e-06				
0.28000	0.031100	0.017200	0.00043300	0.026800	0.00059700	1.6800e-
05	5.1300e-06	5.0900e-05	6.4200e-06	1.7100e-06	1.7100e-06	1.9100e-
06	2.8700e-06	3.6100e-06	2.4200e-06	2.2500e-06	1.0400e-06	2.6700e-
06	2.4700e-06	2.8100e-06				
0.29000	0.030400	0.016600	0.00043500	0.027800	0.00066500	1.9400e-
05	7.8000e-06	4.8000e-05	6.8200e-06	1.7500e-06	1.8000e-06	1.3900e-
06	5.8300e-06	3.8600e-06	2.4600e-06	2.3000e-06	1.1600e-06	2.3900e-
06	2.7300e-06	2.9500e-06				
0.30000	0.030600	0.016600	0.00046400	0.028600	0.00065500	1.7800e-
05	9.6900e-06	3.4500e-05	7.2600e-06	1.8300e-06	2.0200e-06	1.4400e-
06	3.1200e-06	4.7400e-06	2.8100e-06	2.5900e-06	1.2100e-06	2.6600e-
06	2.8900e-06	3.0800e-06				
0.31000	0.030200	0.016600	0.00041300	0.028000	0.00062600	1.7500e-
05	6.5700e-06	3.4900e-05	7.5900e-06	2.0800e-06	1.9500e-06	1.6600e-
06	6.3700e-06	5.7800e-06	3.0500e-06	2.6300e-06	1.2600e-06	2.9100e-
06	3.4800e-06	3.2000e-06				
0.32000	0.031900	0.017500	0.00043100	0.027300	0.00065100	2.5200e-
05	9.4100e-06	3.3700e-05	7.9700e-06	2.2000e-06	2.4300e-06	1.6900e-
06	5.5500e-06	6.5300e-06	3.6600e-06	2.8300e-06	1.5400e-06	3.1300e-
06	3.8900e-06	3.7500e-06				
0.33000	0.032600	0.018300	0.00040000	0.026300	0.00072400	2.4900e-
05	6.9400e-06	4.6000e-05	8.6200e-06	2.2900e-06	2.9000e-06	1.9400e-
06	9.0300e-06	5.5900e-06	3.8600e-06	2.9700e-06	1.5100e-06	3.4600e-
06	4.3200e-06	3.9900e-06				
0.34000	0.034400	0.018200	0.00053100	0.026900	0.00075400	8.3600e-
06	6.9400e-06	6.0200e-05	9.1000e-06	2.6400e-06	3.4000e-06	2.1000e-
06	9.0900e-06	7.0300e-06	4.3700e-06	3.1400e-06	1.6600e-06	3.9800e-
06	4.5400e-06	4.2800e-06				
0.35000	0.035900	0.017700	0.00066500	0.024300	0.00081800	2.2000e-
05	7.2500e-06	6.2800e-05	9.8500e-06	2.8600e-06	3.0200e-06	2.2900e-
06	8.5300e-06	6.6700e-06	4.6500e-06	3.3800e-06	1.7100e-06	3.9800e-
06	4.9800e-06	4.8900e-06				
0.36000	0.034900	0.019500	0.00064200	0.023500	0.00087500	2.2800e-
05	6.6900e-06	8.1400e-05	1.0500e-05	3.1500e-06	4.0000e-06	2.1600e-
06	9.0100e-06	7.6600e-06	4.2900e-06	3.4600e-06	1.9700e-06	4.0200e-
06	5.4600e-06	4.5900e-06				
0.37000	0.035900	0.019100	0.00067200	0.024800	0.00094000	1.8200e-
05	8.2100e-06	6.8400e-05	1.0600e-05	5.9300e-06	4.3000e-06	2.8100e-
06	1.4700e-05	7.4000e-06	5.0600e-06	3.7600e-06	2.0300e-06	4.3600e-
06	5.6100e-06	5.0300e-06				
0.38000	0.033800	0.021000	0.0010300	0.025300	0.00097000	1.6200e-
05	9.1200e-06	6.1600e-05	1.1100e-05	1.3400e-05	3.5600e-06	2.6200e-
06	1.2500e-05	8.8600e-06	5.5400e-06	3.9300e-06	2.2700e-06	4.7300e-
06	6.3200e-06	5.2800e-06				
0.39000	0.031700	0.019300	0.0011500	0.024600	0.0011000	1.7200e-
05	9.2800e-06	5.7600e-05	1.2100e-05	4.9100e-06	4.0100e-06	2.0500e-
06	1.1900e-05	8.6600e-06	5.7700e-06	4.2400e-06	2.5700e-06	5.3500e-
06	7.1200e-06	5.3000e-06				
0.40000	0.031100	0.019100	0.0011300	0.023900	0.0011200	3.3700e-
05	7.9200e-06	5.8200e-05	1.3100e-05	7.6300e-06	4.7000e-06	2.6100e-
06	1.4100e-05	8.5600e-06	6.0300e-06	4.4600e-06	2.7700e-06	5.7100e-
06	7.3200e-06	6.9500e-06				
0.41000	0.029800	0.018600	0.00096200	0.025100	0.0010900	1.8200e-
05	1.4000e-05	7.7000e-05	1.3600e-05	4.8900e-06	4.9200e-06	2.9300e-
06	1.7100e-05	1.0300e-05	6.7300e-06	5.4800e-06	3.1800e-06	6.0200e-
06	8.5300e-06	7.2900e-06				
0.42000	0.031500	0.020100	0.00088700	0.025500	0.0011100	3.1900e-

05	1.4100e-05	4.7500e-05	1.4000e-05	4.8900e-06	5.3100e-06	3.2900e-
06	1.8400e-05	1.2400e-05	7.8000e-06	4.8200e-06	3.7100e-06	6.6400e-
06	8.6400e-06	7.5600e-06				
0.43000	0.030500	0.022200	0.00084300	0.023700	0.0012100	2.1100e-
05	9.2400e-06	3.5300e-05	1.4800e-05	4.1500e-06	5.9500e-06	4.0900e-
06	2.3100e-05	1.5600e-05	7.8400e-06	6.3100e-06	3.8800e-06	6.8300e-
06	9.2300e-06	9.0100e-06				
0.44000	0.029200	0.023800	0.00092700	0.023600	0.0012500	1.2300e-
05	1.2400e-05	3.1600e-05	1.5500e-05	6.0500e-06	4.5000e-06	3.0900e-
06	1.4000e-05	1.2000e-05	9.5100e-06	5.3800e-06	4.4100e-06	7.5200e-
06	1.0100e-05	9.4700e-06				
0.45000	0.028600	0.023500	0.0010400	0.021100	0.0012500	2.3700e-
05	7.9900e-06	1.6200e-05	1.6100e-05	2.3500e-05	3.7400e-06	3.6400e-
06	1.7100e-05	1.4000e-05	1.0000e-05	5.6600e-06	4.7000e-06	8.0200e-
06	1.1000e-05	1.0100e-05				
0.46000	0.029700	0.022800	0.0011000	0.024300	0.0012700	1.7000e-
05	8.9100e-06	2.9200e-05	1.7500e-05	8.8500e-06	4.3000e-06	3.5800e-
06	2.4700e-05	1.6400e-05	1.0600e-05	6.2200e-06	5.3900e-06	8.8200e-
06	1.0700e-05	1.1900e-05				
0.47000	0.031300	0.021100	0.0012600	0.025900	0.0012700	1.7100e-
05	8.3600e-06	2.2600e-05	1.8100e-05	1.0200e-05	4.3500e-06	3.7200e-
06	1.3900e-05	1.3700e-05	9.5300e-06	6.4900e-06	6.9500e-06	9.6300e-
06	1.1000e-05	1.2000e-05				
0.48000	0.026200	0.021400	0.0013800	0.025800	0.0013900	8.0400e-
06	9.8500e-06	1.6900e-05	1.9600e-05	8.0300e-06	5.6800e-06	4.5000e-
06	1.2900e-05	1.7700e-05	1.0400e-05	6.8900e-06	7.2600e-06	9.5400e-
06	1.3500e-05	1.1600e-05				
0.49000	0.028200	0.019800	0.0016000	0.023500	0.0014000	1.4100e-
05	1.4400e-05	2.2300e-05	2.0600e-05	7.2600e-06	4.7500e-06	4.1800e-
06	1.9500e-05	1.9800e-05	1.0200e-05	7.2700e-06	7.9700e-06	1.1800e-
05	1.4500e-05	1.2400e-05				
0.50000	0.030600	0.019500	0.0016200	0.024900	0.0015400	9.6600e-
06	8.9700e-06	2.3300e-05	2.3000e-05	5.4400e-06	5.7300e-06	5.5900e-
06	2.2100e-05	2.0300e-05	1.0900e-05	7.7700e-06	8.3500e-06	1.2700e-
05	1.5400e-05	1.3000e-05				
0.51000	0.029800	0.020200	0.0015600	0.028400	0.0019200	1.9400e-
05	1.3200e-05	2.1000e-05	2.4400e-05	5.8700e-06	6.1100e-06	8.5800e-
06	1.6800e-05	2.1300e-05	1.1800e-05	8.3000e-06	1.0300e-05	1.3400e-
05	1.5300e-05	1.5100e-05				
0.52000	0.024900	0.019400	0.0016500	0.025400	0.0019600	1.8700e-
05	1.5300e-05	2.4500e-05	2.4800e-05	2.7800e-05	7.1100e-06	7.4400e-
06	3.2000e-05	2.3600e-05	1.2600e-05	8.8500e-06	9.6100e-06	1.5300e-
05	1.7100e-05	1.5400e-05				
0.53000	0.031400	0.019000	0.0014300	0.024700	0.0020000	2.0200e-
05	9.7100e-06	2.6800e-05	2.6300e-05	2.1100e-05	7.8900e-06	7.6200e-
06	2.7000e-05	2.5200e-05	1.2900e-05	9.9300e-06	1.1600e-05	1.7300e-
05	1.8800e-05	1.5600e-05				
0.54000	0.031400	0.019500	0.0016500	0.028600	0.0021700	2.9700e-
05	1.2800e-05	3.3200e-05	2.8500e-05	3.4100e-05	8.8100e-06	8.5600e-
06	2.9400e-05	2.7200e-05	1.2900e-05	1.0500e-05	1.3500e-05	1.8400e-
05	2.0700e-05	1.7400e-05				
0.55000	0.030400	0.021900	0.0016000	0.021600	0.0021200	3.5500e-
05	1.0200e-05	3.5100e-05	3.0500e-05	2.0500e-05	1.0600e-05	8.9600e-
06	3.7300e-05	2.5700e-05	1.4800e-05	1.1500e-05	1.8400e-05	1.8300e-
05	2.1900e-05	1.7800e-05				
0.56000	0.028000	0.021700	0.0013500	0.019400	0.0022800	1.1800e-
05	1.7000e-05	3.7700e-05	3.2800e-05	2.8800e-05	1.2100e-05	1.0100e-
05	4.4200e-05	2.8200e-05	1.5100e-05	1.1900e-05	1.6100e-05	2.2200e-
05	2.5400e-05	1.8800e-05				
0.57000	0.028500	0.021500	0.0015200	0.019300	0.0017300	2.2100e-
05	1.3400e-05	3.8500e-05	3.5600e-05	2.2000e-05	1.4400e-05	1.1900e-
05	4.9300e-05	3.3500e-05	1.7700e-05	1.1900e-05	1.8000e-05	2.0000e-
05	2.7500e-05	1.9100e-05				
0.58000	0.025600	0.019700	0.0013000	0.019800	0.0019500	1.8500e-

05	1.7800e-05	4.0700e-05	3.9100e-05	2.4000e-05	7.8900e-06	7.7200e-
06	3.8100e-05	3.6900e-05	1.7900e-05	1.3200e-05	2.0500e-05	2.2800e-
05	2.8100e-05	2.3400e-05				
0.59000	0.030500	0.020200	0.0012900	0.020200	0.0023700	2.5500e-
05	1.2000e-05	5.3100e-05	4.1900e-05	3.7000e-05	1.0400e-05	1.0700e-
05	3.4700e-05	4.7700e-05	2.0900e-05	1.4500e-05	2.4500e-05	2.5800e-
05	2.9200e-05	2.4400e-05				
0.60000	0.025200	0.019800	0.0013700	0.020800	0.0025900	3.1600e-
05	1.4400e-05	5.1600e-05	4.5400e-05	3.0600e-05	1.0900e-05	1.4600e-
05	6.4700e-05	4.7000e-05	2.2100e-05	1.4900e-05	2.5000e-05	3.0000e-
05	3.1800e-05	2.5100e-05				
0.61000	0.024400	0.022300	0.0014900	0.021100	0.0025600	2.9400e-
05	1.2900e-05	6.1300e-05	4.9700e-05	3.3500e-05	1.4300e-05	1.9800e-
05	6.6300e-05	4.7100e-05	2.2200e-05	1.7100e-05	2.1200e-05	2.6500e-
05	3.3500e-05	2.6600e-05				
0.62000	0.024900	0.023400	0.0015600	0.022100	0.0031900	1.2800e-
05	2.6300e-05	6.9700e-05	4.9700e-05	9.4000e-05	1.5000e-05	1.8000e-
05	5.5600e-05	4.9800e-05	2.2100e-05	1.9000e-05	2.3300e-05	2.6400e-
05	3.7400e-05	2.7900e-05				
0.63000	0.028600	0.023200	0.0016700	0.020400	0.0026700	1.1700e-
05	2.0800e-05	8.4900e-05	5.6100e-05	9.8300e-05	1.9300e-05	1.3800e-
05	4.9300e-05	5.5500e-05	2.4600e-05	3.8000e-05	2.4800e-05	3.4600e-
05	4.4400e-05	3.1000e-05	0			
0.64000	0.030700	0.022400	0.0018500	0.020600	0.0024800	1.4400e-
05	1.3300e-05	3.5500e-05	5.9800e-05	4.3900e-05	2.0100e-05	1.6200e-
05	5.8200e-05	5.7000e-05	2.6300e-05	2.1300e-05	2.5600e-05	4.0500e-
05	4.9900e-05	3.7100e-05				
0.65000	0.028500	0.022200	0.0017800	0.020400	0.0027500	1.8300e-
05	1.7000e-05	4.7500e-05	6.3900e-05	3.4300e-05	2.2100e-05	1.2800e-
05	7.4800e-05	9.6500e-05	3.0200e-05	2.3000e-05	2.9300e-05	5.2100e-
05	5.6900e-05	4.7000e-05				
0.66000	0.027400	0.023300	0.0020500	0.018000	0.0029800	2.7900e-
05	1.9300e-05	2.0700e-05	6.4400e-05	4.7600e-05	1.6600e-05	1.9800e-
05	5.7200e-05	9.9900e-05	2.7400e-05	2.3200e-05	4.1900e-05	6.2000e-
05	5.8100e-05	4.9100e-05				
0.67000	0.028800	0.021700	0.0019400	0.018900	0.0030900	3.0400e-
05	2.2500e-05	2.1300e-05	8.6600e-05	5.4100e-05	1.8000e-05	2.2200e-
05	7.4600e-05	9.3000e-05	4.1700e-05	2.5000e-05	4.4800e-05	8.2800e-
05	6.0200e-05	6.0500e-05				
0.68000	0.027600	0.020600	0.071400	0.018300	0.0033400	2.9800e-
05	4.3000e-05	2.6700e-05	8.7700e-05	3.6800e-05	2.3400e-05	2.5900e-
05	9.7800e-05	9.9000e-05	4.1700e-05	2.9900e-05	4.1400e-05	8.0000e-
05	5.9800e-05	7.6400e-05				
0.69000	0.030800	0.021600	0.063900	0.018200	0.0032300	3.2900e-
05	4.1600e-05	3.1100e-05	1.0000e-04	3.6300e-05	2.3100e-05	3.2200e-
05	9.2200e-05	0.00013500	4.4700e-05	3.4600e-05	5.1800e-05	
	0.00012700	7.0900e-05	8.0700e-05			
0.70000	0.031500	0.018300	0.044600	0.018300	0.0035800	2.2600e-
05	4.4400e-05	3.3100e-05	0.00010600	5.8700e-05	2.6000e-05	3.3100e-
05	0.00011000	7.3500e-05	5.3000e-05	3.7900e-05	5.8200e-05	
	0.00011800	7.7300e-05	8.8100e-05			
0.71000	0.034000	0.016100	0.046900	0.017500	0.0036200	1.7000e-
05	6.1300e-05	3.7400e-05	0.00012200	4.8300e-05	3.8700e-05	3.4900e-
05	0.00010600	9.4900e-05	4.6200e-05	4.8900e-05	6.7600e-05	8.0400e-
05	9.0400e-05	0.00010400				
0.72000	0.028000	0.018400	0.052400	0.019700	0.0043800	1.3900e-
05	6.3200e-05	3.9800e-05	0.00014800	6.7900e-05	5.2200e-05	3.8800e-
05	0.00013400	9.4600e-05	7.8100e-05	4.8600e-05	8.9300e-05	8.0200e-
05	0.00010400	0.00012800				
0.73000	0.026500	0.020400	0.038900	0.019000	0.0049100	9.9000e-
06	7.6600e-05	3.3600e-05	0.00017000	4.7000e-05	1.6900e-05	6.4600e-
05	0.00014800	0.00014800	7.7400e-05	5.8800e-05	8.6300e-05	
	0.00010500	0.00012400	0.00010800			
0.74000	0.023400	0.022200	0.036700	0.019500	0.0045200	1.4600e-

05	5.5400e-05	3.5500e-05	0.00017600	5.4600e-05	3.7700e-05	7.9000e-
05	0.00014900	0.00016800	8.2200e-05	5.4000e-05	9.7400e-05	
	0.00029600	0.00014400	0.00012400			
0.75000	0.032800	0.019600	0.035500	0.018400	0.0042800	2.2900e-
05	6.2900e-05	4.6500e-05	0.00024000	5.4100e-05	8.3700e-05	
	0.00010600	0.00018600	0.00023900	8.2500e-05	6.3500e-05	9.8400e-
05	0.00017600	0.00020100	0.00012800			
0.76000	0.031100	0.019500	0.035400	0.019000	0.0049400	6.2500e-
05	7.0100e-05	4.9000e-05	0.00026200	7.4400e-05	5.6200e-05	8.0900e-
05	0.00018100	0.00025400	9.2800e-05	6.8400e-05	1.0000e-04	
	0.00013500	0.00023200	0.00027900			
0.77000	0.062500	0.017300	0.046600	0.020200	0.0054400	3.3900e-
05	6.5800e-05	5.5500e-05	0.00029600	8.7500e-05	6.9500e-05	8.4100e-
05	0.00018700	0.00027300	9.7300e-05	8.8400e-05	0.00011600	
	0.00014000	0.00023600	0.00019100			
0.78000	0.057400	0.020700	0.037700	0.020700	0.0071700	5.5300e-
05	9.4300e-05	4.8000e-05	0.00036900	9.0600e-05	7.7400e-05	
	0.00010600	0.00015700	0.00025700	0.00015000	8.7500e-05	
	0.00014300	0.00013800	0.00020600	0.00018500		
0.79000	0.034800	0.019000	0.031200	0.019600	0.0075500	4.4800e-
05	9.1400e-05	7.3800e-05	0.00042000	0.00011300	9.0700e-05	
	0.00010400	0.00018700	0.00031800	8.0400e-05	0.00010600	
	0.00014900	0.00016500	0.00020600	0.00026200		
0.80000	0.030100	0.022000	0.035500	0.022400	0.0090000	6.2200e-
05	0.00010800	9.0400e-05	0.00048600	0.00013300	0.00011600	
	0.00013000	0.00017900	0.00032100	9.9300e-05	0.00011200	
	0.00017100	0.00020400	0.00027400	0.00028400		
0.81000	0.024300	0.023700	0.037300	0.023300	0.0090000	6.9400e-
05	0.00010300	0.00010800	0.00050500	0.00020500	0.00013000	
	0.00016400	0.00033500	0.00032900	0.00012000	0.00015000	
	0.00023100	0.00087000	0.00031000	0.00023200		
0.82000	0.025200	0.022000	0.035100	0.023400	0.0092400	3.8500e-
05	0.00016100	0.00012200	0.00045000	0.00023400	0.00014200	
	0.00013500	0.00028300	0.00035300	0.00014200	0.00018800	
	0.00029300	0.00039800	0.00035700	0.00028300		
0.83000	0.025000	0.020600	0.037600	0.023600	0.0100000	4.4700e-
05	0.00015800	0.00012500	0.00076700	0.00018100	0.00020300	
	0.00015800	0.00026400	0.00035700	0.00016300	0.00022700	
	0.00030300	0.00057700	0.00035700	0.00043700		
0.84000	0.026100	0.018500	0.042000	0.023500	0.0095100	7.9200e-
05	0.00021500	9.5800e-05	0.00067900	0.00019300	0.00031300	
	0.00036800	0.00031200	0.00048100	0.00014300	0.00023900	
	0.00041200	0.00073000	0.00038900	0.00052900		
0.85000	0.029100	0.020200	0.047300	0.022200	0.0090300	6.5200e-
05	0.00029100	9.9900e-05	0.00077700	0.00026500	0.00016200	
	0.00061400	0.00043000	0.00054500	0.00015800	0.00027100	
	0.00051500	0.0010600	0.00041600	0.00064300		
0.86000	0.036500	0.020900	0.045000	0.026500	0.010400	8.7200e-
05	0.00021400	0.00010100	0.00091200	0.00043700	0.00018300	
	0.00046000	0.00062700	0.00065800	0.00019000	0.00028700	
	0.00052600	0.00089800	0.00042800	0.00069300		
0.87000	0.030900	0.018800	0.064700	0.027600	0.011800	
	0.00011400	0.00028900	0.00014600	0.00096400	0.00022000	
	0.00059200	0.00081900	0.00088600	0.00097200	0.00021800	
	0.00036800	0.00058700	0.00061800	0.00046300	0.00060700	
0.88000	0.028500	0.018500	0.052000	0.028500	0.015300	
	0.00011100	0.00036200	0.00016800	0.0014700	0.00067500	
	0.00021700	0.0012400	0.00098500	0.0013000	0.00025000	
	0.00044400	0.00089400	0.00074800	0.00055300	0.00076200	
0.89000	0.031100	0.018800	0.046400	0.029000	0.017400	6.2600e-
05	0.00039600	0.00025800	0.0013800	0.00044600	0.00018300	
	0.0015300	0.0010200	0.0016100	0.00032500	0.00049500	
	0.0013300	0.0010200	0.00063000	0.00078600		
0.90000	0.040500	0.020200	0.051000	0.029800	0.016200	8.5100e-

05	0.00052000	0.00018600	0.0011300	0.0010000	0.00022500
	0.0021500	0.00084800	0.0016200	0.00032400	0.00051000
	0.0010800	0.0011700	0.00075600	0.0013900	
0.91000	0.032100	0.020400	0.045600	0.032100	0.017400
05	0.00038400	0.00023900	0.0012500	0.00045800	0.00044800
	0.0014300	0.0012500	0.0025900	0.00039000	0.00053400
	0.0012300	0.0015500	0.00078400	0.0015200	
0.92000	0.036900	0.020200	0.048800	0.036600	0.016400
	0.00013900	0.00070400	0.00037900	0.0013600	0.00039200
	0.00028200	0.0030200	0.0011300	0.0023200	0.00039100
	0.00063500	0.00097500	0.0019500	0.00089800	0.0014300
0.93000	0.042600	0.020100	0.045400	0.033800	0.016900
	0.00013100	0.00075100	0.00039700	0.0016900	0.00093100
	0.00030400	0.0012600	0.0011300	0.0024200	0.00046400
	0.00070900	0.0013400	0.0030000	0.00094800	0.0014800
0.94000	0.037400	0.019700	0.041800	0.032300	0.017400
	0.00028700	0.00072500	0.00050500	0.0017300	0.00059600
	0.00032600	0.0017700	0.0014200	0.0033500	0.00036400
	0.00087400	0.0013600	0.0023700	0.0011800	0.0015100
0.95000	0.033400	0.020400	0.042000	0.038700	0.019200
	0.00018300	0.00075000	0.00085600	0.0022600	0.0016500
	0.00073300	0.0034500	0.0015000	0.0044900	0.00046200
	0.00097800	0.0015500	0.0022900	0.0012800	0.0017200
0.96000	0.031200	0.019100	0.048000	0.045600	0.020500
	0.00018600	0.00067200	0.00058000	0.0021500	0.0012200
	0.00046900	0.0019700	0.0021600	0.0054400	0.00046100
	0.0010100	0.00095100	0.0025900	0.0014700	0.0021700
0.97000	0.033300	0.020100	0.039100	0.039700	0.016900
	0.00016000	0.00079200	0.00069100	0.0024600	0.0011800
	0.00060300	0.0026300	0.0022100	0.0043300	0.00053900
	0.0012700	0.0014000	0.0025900	0.0016000	0.0019200
0.98000	0.033600	0.020900	0.042900	0.043000	0.027600
	0.00023900	0.0010300	0.00072100	0.0025000	0.00089100
	0.00088900	0.0042300	0.0019100	0.0050800	0.00073400
	0.0011800	0.0014700	0.0020800	0.0018300	0.0018400
0.99000	0.031100	0.022000	0.048100	0.041500	0.022400
	0.00025800	0.0010200	0.00074100	0.0031300	0.0012900
	0.0013500	0.0050900	0.0017000	0.0049300	0.0011300
	0.0015300	0.0014700	0.0031200	0.0015900	0.0024800
1.0000	0.033000	0.019500	0.069300	0.048800	0.025300
	0.00043000	0.0013700	0.00073100	0.0042800	0.00094500
	0.0017300	0.0035200	0.0023500	0.0038400	0.0010900
	0.0015000	0.0013900	0.0027400	0.0022000	0.0028200

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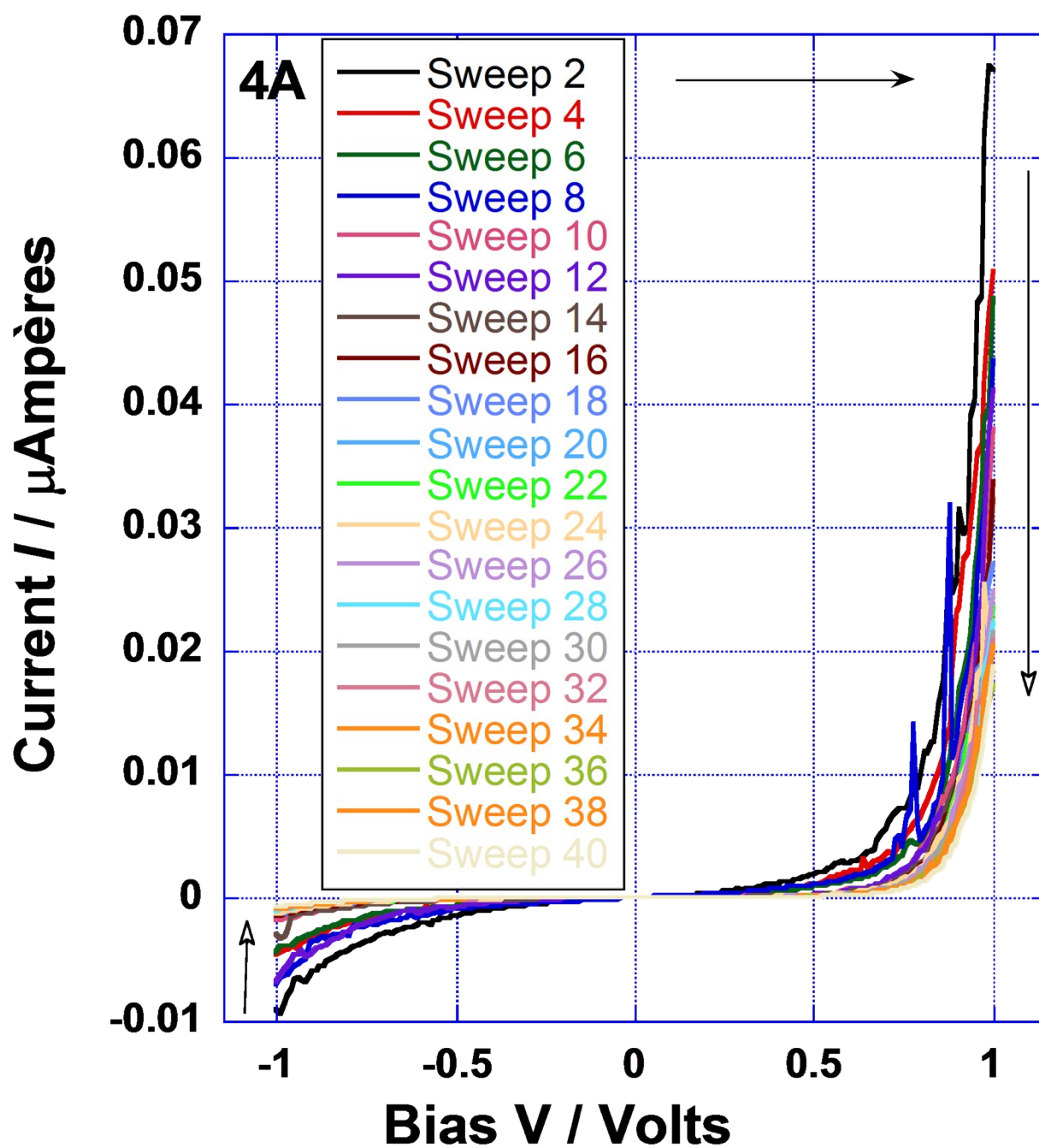


Fig. 5A. Sandwich#2. N.to.P. IV. Data

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Fig. 5B. Contact 4. Log.I. vs.V. data can be calculated from the IV data for Figure 5A.

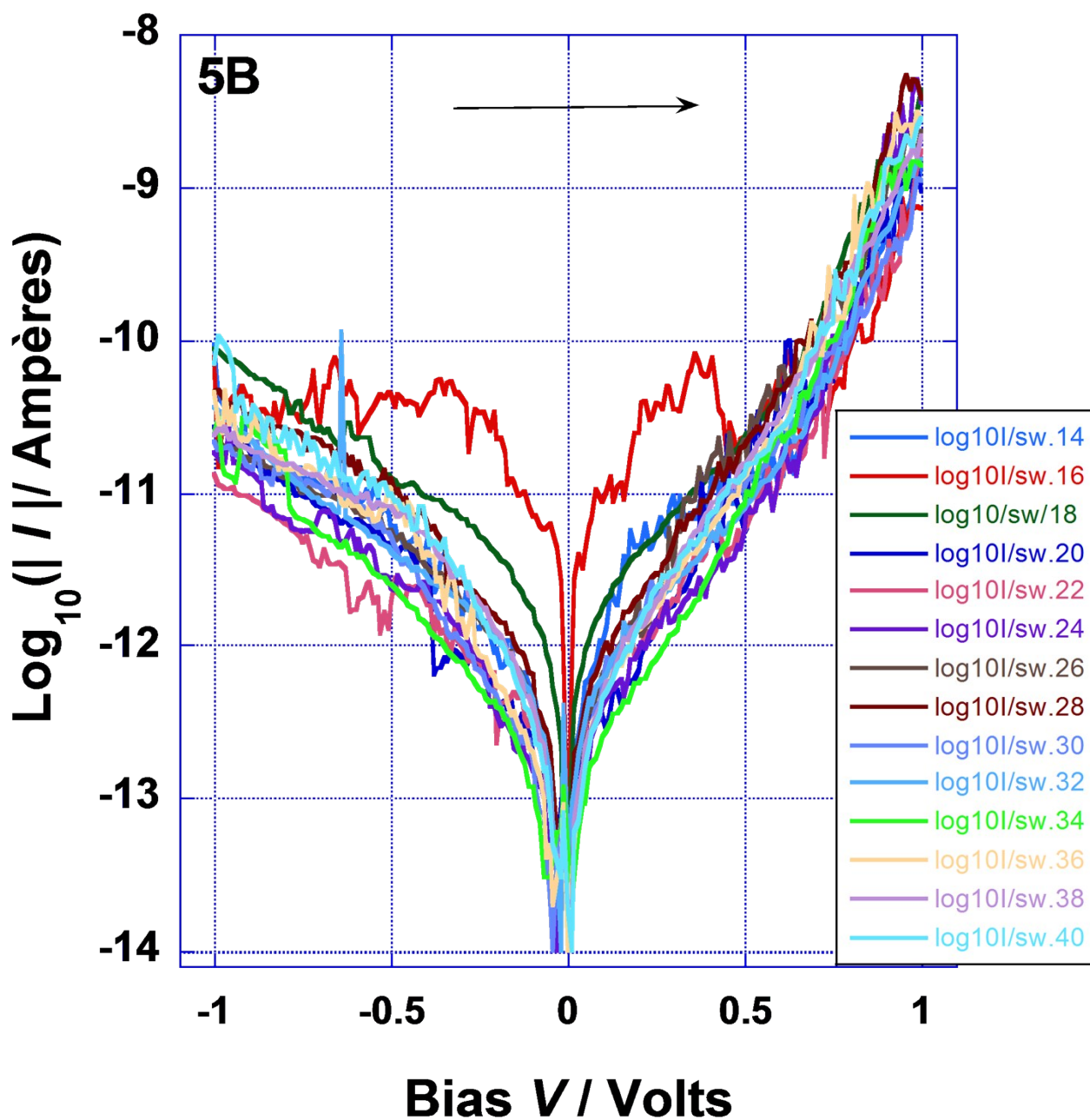


Figure 5B. Sandwich#2. N.to.P. log10I vs. V.

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Figure 5C. Sandwich#2.N.to.P. Rectification Ratio RR versus voltage (Volts)

Voltage	Sweep 2 Sweep 14 Sweep 26 Sweep 38	Sweep 4 Sweep 16 Sweep 28 Sweep 40	Sweep 6 Sweep 18 Sweep 30	Sweep 8 Sweep 20 Sweep 32	Sweep 10 Sweep 22 Sweep 34	Sweep 12 Sweep 24 Sweep 36
1.0000	0.053238	0.0062044	12.387	5.2190	3.7821	18.015

	14.888	9.4862	49.910	35.559	132.10	193.26
	110.76	83.761	51.396	41.366	57.690	59.843
	94.270	40.591				
0.99000	0.052296	0.0085466	7.5414	4.4703	3.3258	9.7076
	23.614	50.037	37.592	50.952	121.17	299.22
	80.090	105.70	59.253	45.348	47.600	107.41
	61.234	23.706				
0.98000	0.052476	0.057561	7.5361	4.7863	4.3245	7.3130
	27.159	25.589	31.590	36.357	82.756	272.43
	95.848	120.63	37.313	36.352	101.94	84.609
	73.088	18.901				
0.97000	0.045425	0.014933	8.1651	4.6728	2.7299	4.0335
	21.596	24.629	32.335	47.940	57.292	169.47
	109.45	113.89	27.849	39.862	104.57	54.162
	60.045	20.948				
0.96000	0.042467	0.012648	12.396	5.7532	3.4817	6.3856
	18.622	14.845	30.185	51.417	44.291	75.828
	111.27	142.54	22.789	35.179	73.804	93.463
	65.590	26.866				
0.95000	0.046139	0.019399	10.623	4.9376	3.2852	28.263
	21.081	20.100	30.687	79.122	68.036	221.84
	78.423	124.34	26.315	33.676	126.15	63.407
	52.657	26.895				
0.94000	0.054782	0.058952	10.522	3.9523	3.1100	83.349
	21.348	12.369	24.169	27.843	32.544	111.64
	73.165	85.964	20.578	33.619	115.99	97.288
	55.327	44.195				
0.93000	0.060023	0.035754	9.5786	4.1876	3.1400	13.092
	14.958	8.7109	24.296	44.395	31.344	83.723
	59.119	61.727	26.933	28.607	77.389	143.33
	46.828	36.203				
0.92000	0.048919	0.012456	10.160	5.1153	2.7594	9.1180
	15.927	7.6750	20.565	18.667	29.336	203.36
	64.928	62.419	22.516	26.252	31.509	83.892
	44.543	33.398				
0.91000	0.044898	0.013210	11.223	4.5261	2.9139	1.2740
	17.816	5.5864	19.618	22.610	47.084	102.71
	72.750	83.784	25.917	22.671	41.196	71.243
	40.415	53.280				
0.90000	0.13296	0.029441	15.328	4.5168	3.0700	3.7885
	28.319	4.3129	19.157	54.335	24.182	163.51
	53.464	49.398	22.079	23.175	39.897	49.672
	40.084	45.964				
0.89000	0.098722	0.030835	14.239	4.4393	3.3092	0.78261
	24.702	8.1522	23.334	27.578	20.508	114.10
	61.257	49.619	23.018	22.737	50.846	30.629
	34.569	20.921				
0.88000	0.091038	0.018154	16.099	4.1726	3.0256	4.6944
	22.480	5.2884	26.239	44.492	24.798	101.51
	64.141	40.118	11.676	22.574	37.672	27.700
	30.764	22.435				
0.87000	0.095355	0.027202	19.512	4.2832	2.3233	1.4989
	21.542	4.2137	17.609	14.950	71.645	70.503
	52.194	33.620	17.570	19.842	25.897	24.461
	25.296	20.183				
0.86000	0.11628	0.033735	12.823	4.1814	2.1650	0.98854
	15.819	2.8553	16.746	33.331	23.384	55.948
	42.140	21.874	15.366	16.247	24.454	30.600
	24.652	31.848				
0.85000	0.095837	0.025022	15.982	3.4354	1.9515	0.80130
	23.025	3.1815	15.133	19.245	21.456	82.027
	29.980	18.304	12.777	15.793	25.639	42.785
	24.142	20.932				
0.84000	0.086893	0.020603	13.788	3.7820	1.8720	0.95999

	16.464	3.2844	13.772	15.275	42.819	45.643
	21.579	18.688	12.528	14.814	21.111	40.982
	23.213	17.750				
0.83000	0.088607	0.017769	11.439	3.7802	2.0577	0.78860
	11.503	3.2617	16.285	13.486	28.164	22.006
	19.339	13.347	11.485	14.732	13.338	29.181
	22.098	20.220				
0.82000	0.0093280	0.058894	11.526	3.8199	1.9079	0.93135
	12.076	4.3271	9.3567	19.339	21.104	19.915
	21.312	13.271	10.952	12.748	15.019	28.569
	22.862	13.134				
0.81000	0.017953	0.028485	10.004	4.0317	1.9520	2.8805
	8.1942	3.3912	10.741	16.113	19.640	24.015
	26.479	12.384	8.9061	10.564	12.856	51.93
	20.162	10.866				
0.80000	0.053884	0.022539	10.225	4.0844	1.9796	2.6096
	9.5611	2.1382	10.699	11.785	18.393	19.617
	14.606	12.247	7.2830	8.3497	9.1603	14.364
	18.364	10.559				
0.79000	0.10195	0.031954	8.7045	3.7574	1.8409	1.4031
	7.3398	2.0675	12.836	10.042	14.877	15.555
	15.398	12.380	5.8162	8.3708	18.408	11.858
	13.346	13.452				
0.78000	0.19310	0.10690	10.259	3.9785	1.8711	1.2189
	7.9907	1.4417	11.278	8.4348	13.704	18.400
	13.336	10.480	11.072	7.1171	18.867	9.7241
	13.432	7.3874				
0.77000	0.068543	0.038924	14.757	4.0356	1.4304	0.55282
	5.9773	1.6878	7.6491	9.0956	12.847	14.831
	15.042	10.891	7.2644	7.5603	16.887	9.4612
	16.050	8.5439				
0.76000	0.029336	0.033870	9.4310	3.7745	1.3260	0.71704
	4.7668	1.6949	6.5768	7.6506	10.810	14.463
	17.788	10.426	7.8312	6.1345	15.224	10.410
	16.645	15.652				
0.75000	0.030650	0.023013	9.8871	3.7254	1.2553	0.064606
	4.8661	1.3482	8.0408	5.6503	17.885	19.476
	18.495	10.080	7.7611	6.0152	14.795	13.482
	14.630	7.1801				
0.74000	0.063225	0.020354	10.010	4.3225	1.3670	0.063232
	4.6983	0.90700	6.1020	6.0011	7.4252	13.837
	13.812	8.9733	6.8812	5.3337	15.118	19.700
	10.721	5.1251				
0.73000	0.080122	0.042234	0.92622	4.1484	1.5206	0.095247
	6.2488	0.69161	5.7986	5.0788	4.1728	11.781
	14.634	6.5967	6.6552	6.1207	13.695	7.2043
	9.4241	5.6710				
0.72000	0.045959	0.021053	2.1775	4.3787	1.3829	0.082392
	5.1965	0.63616	5.6394	7.8897	14.503	7.1007
	13.736	4.1113	6.9714	5.2622	15.453	5.7850
	8.1034	5.9604				
0.71000	0.076812	0.015360	2.9344	3.9068	1.1891	0.61119
	5.1417	1.1640	4.7480	6.0488	11.238	5.2719
	11.213	4.2770	4.2104	5.2680	12.338	6.3176
	6.8255	5.7511				
0.70000	0.10205	0.022475	1.8812	4.2446	1.3387	0.90144
	3.9170	1.2014	3.9540	7.3404	8.0093	4.4824
	11.673	3.2964	4.8687	4.3364	10.940	9.5698
	6.0532	6.2550				
0.69000	0.064139	0.023018	1.8592	4.2102	1.1262	0.16480
	3.6829	0.61153	4.1043	4.6543	5.5179	4.2355
	9.5492	6.7271	4.4297	4.0623	9.9367	10.818
	6.1456	4.7974				
0.68000	0.082559	0.019996	2.9101	4.5328	1.2436	1.9268

	3.0239	0.54314	3.3435	4.8588	6.7710	3.4986
	9.5863	4.9327	4.3382	3.6104	8.0369	5.8068
	5.3971	5.2235				
0.67000	0.069340	0.020804	0.13115	4.7975	1.1509	0.35665
	1.7917	0.32765	3.6449	7.7339	5.3571	2.9225
	7.8393	4.6030	4.1255	2.9785	9.2433	6.6490
	5.5963	4.6988				
0.66000	0.057544	0.043436	0.096316	4.8806	1.3352	0.61003
	1.7948	0.27186	2.9741	6.7710	4.8450	2.9685
	6.2777	6.2614	2.4485	3.0580	8.8232	4.9992
	5.6151	2.6721				
0.65000	0.067927	0.049653	0.068197	5.5921	1.2067	0.11483
	1.6206	0.72562	3.1583	5.2917	6.3960	2.6217
	8.4212	4.9804	2.7649	3.1505	6.6477	5.2616
	5.3540	3.6834				
0.64000	0.047223	0.034486	0.055394	5.8299	1.0926	0.49485
	1.4335	0.68093	3.1341	6.9841	5.9059	3.3992
	6.8969	3.4887	2.4602	0.18751	5.9236	4.6705
	4.9950	2.7604				
0.63000	0.043074	0.051390	0.37327	5.8845	1.2820	13.169
	1.7323	1.9355	1.9639	14.800	6.2090	2.8933
	5.9806	3.1403	2.4714	5.4257	5.1031	4.2818
	4.6305	2.5941				
0.62000	0.067205	0.030409	0.36257	6.5053	1.5854	3.6974
	2.5464	1.2856	1.7312	15.306	8.9940	3.2650
	6.6057	3.3291	2.0822	2.8544	5.8838	2.9033
	3.9514	2.2670				
0.61000	0.097207	0.071250	0.048322	6.6962	1.4051	7.3267
	1.3745	1.3477	2.0940	5.3466	8.2907	3.5018
	8.2410	2.7576	2.6627	2.6641	5.3050	3.2776
	3.6302	2.4013				
0.60000	0.084369	0.050745	0.038238	6.5548	1.3571	10.096
	1.7155	1.2610	2.0227	4.5862	6.3663	3.5662
	8.7030	3.5945	2.5806	2.3738	6.2114	3.6529
	3.7086	2.5866				
0.59000	0.10974	0.025604	0.025008	6.7134	1.3254	8.4817
	1.4475	2.1568	1.8398	5.6301	5.1429	2.1168
	4.6307	2.9264	2.5802	2.3980	6.5440	3.1685
	2.9425	2.1036				
0.58000	0.088790	0.039721	0.067519	6.7699	1.1431	3.1570
	2.0170	1.4693	1.7025	3.8803	3.8116	2.0978
	5.5985	2.8986	2.2425	2.2685	5.3057	3.1301
	3.0054	1.7933				
0.57000	0.089159	0.027373	0.30447	6.6850	1.0249	1.3279
	1.2754	1.2502	1.5764	3.6891	5.7251	2.6953
	6.8869	2.6975	2.4756	2.1367	5.1311	2.7866
	2.8244	1.4109				
0.56000	0.097894	0.047962	0.032774	6.8645	1.3800	2.2799
	2.0071	1.1563	1.4323	4.7811	4.7054	2.2434
	6.3965	2.3559	2.1841	2.2876	4.9540	2.6667
	2.9871	1.7325				
0.55000	0.094174	0.070919	0.066123	7.6899	1.3985	0.68105
	0.97148	0.96506	1.8661	3.6792	5.6000	2.1590
	5.7798	2.2941	2.3820	2.2162	6.1333	2.8487
	2.7946	1.4550				
0.54000	0.19946	0.033768	0.071722	10.699	1.4983	0.19719
	1.3624	0.81014	1.8599	6.0622	4.2153	2.9416
	4.7311	2.2762	2.1952	2.1339	4.7049	2.7860
	2.3868	1.8330				
0.53000	0.11635	0.038032	0.069047	11.086	1.3556	0.013097
	1.3543	0.60067	1.7717	3.9905	6.6864	2.6186
	3.9459	2.1932	2.0109	2.1447	4.1423	2.2638
	2.2776	1.3640				
0.52000	0.10760	0.044321	0.34549	11.785	1.4501	0.0098832

	1.8568	0.60147	1.8732	5.9614	4.3354	2.6105
	5.8987	1.6974	2.2757	1.9493	3.4945	1.9743
	2.0802	1.3394				
0.51000	0.076452	0.050196	0.17926	13.006	1.5140	0.27539
	1.7995	0.45769	1.8285	1.2597	4.7364	3.1429
	2.9201	2.0811	2.1527	1.8864	4.1120	1.2437
	1.9139	1.6032				
0.50000	0.071957	0.038595	0.69342	11.845	1.2849	0.012984
	1.5792	0.52489	1.8475	1.1800	3.0158	2.3686
	3.8873	1.6533	2.0921	1.8678	3.3135	1.2165
	1.9336	1.3303				
0.49000	0.14244	0.072339	0.25602	11.537	1.2158	0.016030
	2.4114	0.61430	1.6958	1.7163	1.6904	1.8333
	4.0165	2.0153	2.3372	1.8689	3.3915	1.7013
	1.9474	1.4204				
0.48000	0.030764	0.070252	0.30020	13.568	1.2985	0.0092075
	1.9739	0.39008	1.7389	1.9926	2.6055	1.5517
	2.6081	1.6873	2.5255	1.8276	3.2267	1.1985
	1.9794	1.3107				
0.47000	0.093917	0.048904	0.12903	14.407	1.2102	0.010694
	1.6653	0.54123	1.6566	2.3190	2.1324	1.4588
	2.6319	1.5441	2.8279	1.8230	3.4069	1.1396
	1.5144	1.5157				
0.46000	0.045927	0.089942	0.14353	13.876	1.3064	0.0041745
	2.0965	0.79153	1.5529	2.0392	2.0976	1.5365
	5.6499	1.7768	2.9469	1.6543	2.8073	1.4725
	1.4127	1.5729				
0.45000	0.045830	0.081882	0.16498	12.301	1.1446	0.0067568
	1.7332	0.41323	1.4500	5.2713	1.5391	1.5230
	3.7916	1.7817	2.9586	1.5899	2.6111	0.91344
	1.6064	1.2326				
0.44000	0.041764	0.048800	0.38012	14.425	1.2715	0.0073422
	2.5537	0.80988	1.3440	1.5714	1.9149	1.3733
	3.2911	1.6264	2.9626	1.7355	2.5057	1.0013
	1.5202	1.6911				
0.43000	0.042511	0.12311	0.17504	0.42235	1.2315	0.0051356
	1.7634	0.95763	1.3665	1.2170	2.4187	1.7783
	5.7203	2.4142	2.5537	1.9536	2.2959	1.5348
	1.6052	1.5271				
0.42000	0.046736	0.049391	0.37027	0.28405	1.2427	0.0058289
	3.1217	1.4753	1.3845	1.1372	2.1942	1.3429
	4.7545	1.6346	2.9885	1.5908	2.4408	1.3175
	1.5596	0.94382				
0.41000	0.042595	0.064477	0.32909	0.32375	1.2622	0.0040075
	4.0086	2.0966	1.4207	1.4092	2.3318	1.1226
	4.9422	1.3892	2.7810	1.8086	2.2238	1.6448
	1.5680	0.88471				
0.40000	0.047277	0.055412	0.55637	0.23526	1.3593	0.011564
	1.6065	1.4179	1.4106	2.3622	2.5683	1.0567
	4.5338	1.3874	2.8178	1.5986	2.0519	1.4029
	1.4438	1.2776				
0.39000	0.048486	0.069745	0.17966	0.28222	1.5042	0.0048381
	2.7456	1.3148	1.3264	1.5538	1.9950	1.0406
	3.8414	1.5273	2.9141	1.6245	2.0726	1.3932
	1.4240	1.1910				
0.38000	0.055964	0.10618	0.086485	0.40032	1.3897	0.015328
	4.1081	1.3378	1.2214	20.677	3.1504	1.3646
	4.2619	1.4791	2.8705	1.5657	1.9402	1.2286
	1.4170	1.0820				
0.37000	0.060454	0.11943	0.11538	0.45545	1.3834	0.033384
	3.4496	1.2847	1.2011	8.3521	2.7564	1.4485
	4.9898	1.3455	2.9941	1.4862	1.8125	1.6834
	1.3617	1.0702				

0.36000	0.065697	0.10230	0.13276	0.38852	1.2284	0.11839
	1.9169	1.4965	1.1927	4.4366	3.3058	1.1134
	3.0235	1.5412	2.8411	1.4239	1.8241	1.4725
	1.4918	1.0903				
0.35000	0.073951	0.22430	0.13286	0.41025	1.1713	0.018094
	1.8308	1.4038	1.2328	3.4458	2.3594	1.2938
	3.1476	1.4161	3.1419	1.4444	1.7273	2.3690
	1.3719	0.97996				
0.34000	0.072438	0.14110	0.18526	0.42700	1.1149	0.011332
	2.6288	1.1526	1.1475	3.3418	3.2381	1.2963
	3.6802	2.7461	3.5528	1.3772	1.8043	1.7456
	1.2541	1.1293				
0.33000	0.075495	0.28774	0.16769	0.45347	1.1171	0.021822
	3.0982	0.85971	1.1448	2.3854	3.1868	1.3197
	3.4865	2.1174	3.4775	1.4009	1.7356	1.0613
	1.5596	1.1532				
0.32000	0.071388	0.22626	0.16610	0.45976	1.1474	0.018065
	3.2561	0.75571	1.0556	2.3913	1.7609	1.2519
	2.4558	2.5212	3.1017	1.3476	1.9250	1.3789
	1.3746	1.2097				
0.31000	0.072629	0.19006	0.28687	0.49417	1.2378	0.016431
	3.3015	0.76493	1.0766	2.3111	1.8224	1.2206
	2.9355	2.2667	2.7477	1.3557	1.6154	2.0208
	1.2297	1.1307				
0.30000	0.068293	0.13984	0.36927	0.51594	1.3226	0.020859
	6.4172	0.83779	1.0708	2.2048	2.0825	1.2000
	1.7143	1.8372	2.7019	1.3490	1.5714	1.7973
	0.97966	0.95356				
0.29000	0.073531	0.25834	0.28691	0.51877	1.4074	0.016164
	3.4361	1.2684	1.0164	2.3649	2.1176	1.2087
	3.3895	1.5950	2.5361	1.2849	1.6571	2.1150
	1.0876	1.2447				
0.28000	0.18546	0.22804	0.27806	0.51994	1.3202	0.012651
	2.9314	2.8334	1.0647	2.1375	2.1923	1.8911
	1.6400	1.5973	2.7816	1.3006	1.6250	2.0227
	1.1435	1.0934				
0.27000	0.18672	0.21222	0.35309	0.57941	1.5274	0.010361
	3.9162	1.1737	0.99176	1.9881	2.1750	1.7614
	1.2424	1.4956	2.5952	1.3313	1.5410	1.0582
	1.1000	1.3493				
0.26000	0.17482	0.21145	0.14003	0.62552	1.3724	0.012998
	5.2672	1.0604	0.95712	2.0250	2.0769	1.5647
	1.8026	1.3122	3.0986	1.2625	1.5893	1.9082
	0.99043	1.4022				
0.25000	0.21128	0.20395	0.14953	0.65200	1.8656	0.014257
	4.1890	1.1901	1.0059	1.9577	1.6410	1.8125
	1.1854	1.4554	2.8382	1.1987	1.5882	2.0000
	1.0372	1.3488				
0.24000	0.21432	0.25022	0.84472	0.63213	1.5327	0.0084066
	2.9931	0.90041	0.98381	1.3614	1.6418	1.6494
	1.5407	1.4061	4.0469	1.2083	1.5200	2.1341
	0.99422	1.5507				
0.23000	0.26001	0.18098	0.53897	0.69577	1.7200	0.0070150
	3.0141	0.95695	1.0252	1.6212	1.9524	1.8182
	1.1163	1.4022	4.0702	1.2409	1.5556	1.7952
	0.91954	1.3165				
0.22000	0.39745	0.20261	0.31125	0.73045	1.9647	0.0043590
	5.1583	1.5991	1.0479	1.6190	1.8154	2.4000
	1.1000	1.4970	3.3529	1.2385	1.4286	2.0290
	0.95862	1.4609				
0.21000	0.22402	0.20566	0.39713	0.75417	1.1185	0.0046788
	5.1705	1.1414	1.0169	1.6863	1.4776	2.7179
	1.0175	1.2840	3.1600	1.2459	1.3864	2.1290

0.20000	1.0397	1.3009				
	0.38200	0.25590	0.23975	0.80793	1.2978	0.0053880
	4.8211	1.0899	0.99000	1.6047	4.1304	2.5556
	1.9615	1.3893	3.0000	1.2269	1.4250	2.3333
0.19000	1.1475	1.3077				
	0.35057	0.21671	0.61986	0.79095	1.3171	0.0072820
	6.1549	1.0633	1.0694	1.4634	2.0000	2.7586
	1.3619	1.3688	3.2105	1.2941	1.4737	2.3846
0.18000	1.1111	1.1262				
	0.32313	0.23006	0.56109	0.78587	1.7528	0.0084053
	7.4868	0.93664	1.0114	1.2727	3.3333	2.5000
	1.4516	1.2536	3.7429	1.3085	1.4688	2.2200
0.17000	1.2222	1.0110				
	0.37665	0.30883	0.52111	0.83342	2.0164	0.016544
	3.2385	1.1687	0.97935	1.5263	2.7907	2.0000
	1.4457	1.3719	3.6471	1.3882	1.3125	2.1429
0.16000	1.2135	1.2436				
	0.38647	0.35446	0.56347	0.87410	1.1056	0.023401
	3.5596	0.72347	1.0065	1.1628	2.6087	1.7407
	1.1828	1.3833	3.7667	1.7625	1.6296	2.3714
0.15000	1.2472	1.1806				
	0.41347	0.33217	0.46040	0.98422	1.2240	0.033866
	3.8904	1.0043	1.0623	1.1471	2.1429	2.9048
	1.4507	1.3786	3.0000	1.3889	1.5385	2.0000
0.14000	1.2078	1.2154				
	0.46922	0.42072	0.56700	0.89360	0.97684	0.018323
	2.7727	1.1507	1.0486	1.7586	2.1333	2.8500
	1.3099	1.3696	3.7727	1.3188	1.7143	2.4333
0.13000	1.1159	1.4231				
	0.58011	0.38220	0.53885	0.84666	1.1299	0.023105
	3.1194	0.86821	1.1050	1.3889	1.5652	2.2174
	1.3548	1.2472	2.5000	1.3607	2.0000	2.4444
0.12000	1.1404	1.3043				
	0.61345	0.42603	0.71908	0.84132	0.87154	0.027198
	3.3731	1.2621	1.0640	1.3000	1.8485	2.6842
	1.4286	1.0610	3.3043	1.4444	1.8235	2.1429
0.11000	1.1915	1.4359				
	0.58475	0.51595	0.34378	0.87353	1.1456	0.014882
	2.4000	1.2528	1.0978	1.0370	1.8621	2.5000
	1.4286	1.5373	3.4583	1.2549	2.3333	2.4762
0.10000	1.2826	1.3514				
	0.63794	0.42686	0.46538	1.0087	1.2785	0.041886
	2.2955	1.2568	1.0595	1.8421	1.2903	2.6667
	1.4222	1.3692	3.1176	1.3953	2.0833	2.3500
0.090000	1.2105	1.5517				
	0.62754	0.50593	0.32980	0.92923	1.3274	0.090112
	2.4884	1.2732	1.1449	2.4706	1.0294	1.9412
	1.5135	2.0526	3.5000	1.6111	2.4444	2.2941
0.080000	1.2121	1.5652				
	0.64186	0.52019	0.74916	0.88772	1.4006	0.35323
	2.5333	1.7416	1.1085	3.2500	1.8571	2.3077
	1.5667	1.8056	4.7500	1.8571	2.5714	2.3571
0.070000	1.3750	1.3636				
	0.68736	0.56454	0.43416	0.90897	1.5477	0.25262
	2.7500	1.1868	1.1081	2.1333	2.7895	2.5000
	1.4231	2.0345	3.7500	1.6400	5.6667	3.0000
0.060000	1.2727	1.8000				
	0.77899	0.58225	0.52741	0.89346	1.5477	0.21626
	3.1579	1.0307	1.2000	4.0000	3.5455	2.5714
	1.9474	1.7857	4.4000	2.2500	5.3333	5.5000
0.050000	2.2500	1.3750				
	0.78777	0.58659	0.77203	0.91728	1.4547	0.35229
	4.0000	0.65434	1.2466	7.0000	1.7500	3.0000
	2.2143	1.8571	8.5000	2.2143	3.0000	3.4000

	2.3333	2.0000				
0.040000	0.76530	0.57859	0.71177	0.95262	1.1518	0.45293
	5.0000	0.57692	1.3585	18.000	3.6667	4.5000
	3.1250	2.4615	11.000	3.8571	2.2500	8.0000
	3.2000	2.4000				
0.030000	0.90832	0.62234	0.75429	0.99623	0.99079	0.58855
	4.3333	0.92431	1.5526	4.0000	6.3333	10.000
	6.0000	3.6667	2.2500	4.7500	1.0000	3.3333
	2.7500	0.0000				
0.020000	0.96272	0.62658	1.7065	0.98926	1.2714	0.66497
	9.5000	1.0388	1.7727	1.3333	7.0000	1.7143
	1.7143	9.5000	0.57143	11.000	0.50000	1.2500
	1.7500	2.0000				
0.0100000	0.94588	0.63764	0.35928	0.89540	1.4500	0.65779
	1.3636	0.85556	5.0000	0.58333	1.2857	0.70000
	0.85714	1.6000	0.60000	0.21951	0.16667	0.33333
	0.28571	0.12500				

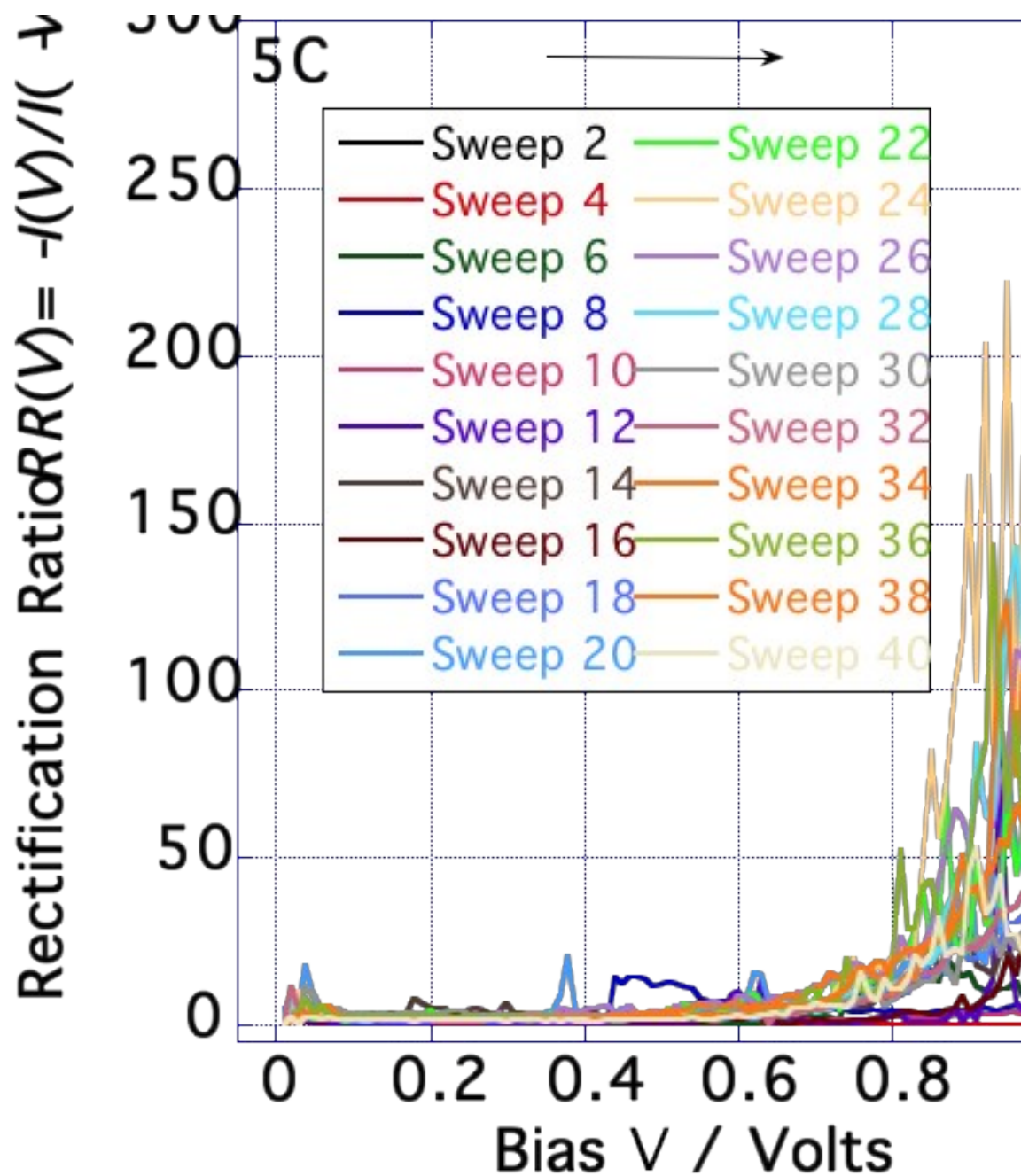


Fig. 5C. Sandwich#2.N.to.P. RR

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Fig. 5D. Sandwich#2.P.to.N.IV. data

First column: Voltage V (Volts) All other columns: DC current I (microamperes)

Voltage	Sweep 1 Sweep 11 Sweep 21 Sweep 31	Sweep 3 Sweep 13 Sweep 23 Sweep 33	Sweep 5 Sweep 15 Sweep 25 Sweep 35	Sweep 7 Sweep 17 Sweep 27 Sweep 37	Sweep 9 Sweep 19 Sweep 29 Sweep 39
1.0000	0.015200 0.029300 0.0010100 0.0012800	0.035700 0.00048600 0.0018800 0.0014900	0.020400 0.0018700 0.0044800 0.0013500	0.065600 0.00044800 0.0025200 0.0034200	0.045000 0.000551 0.0045700 0.0022700
0.99000	0.011700 0.024600 0.0010600 0.00073800	0.027800 0.00049100 0.0018000 0.0019100	0.018100 0.0013300 0.0039200 0.0016800	0.047200 0.00032400 0.0021800 0.0037700	0.037200 0.00067700 0.0050100 0.0018400
0.98000	0.011400 0.017200 0.0017400 0.00094400	0.025700 0.00014300 0.0011400 0.0013200	0.020500 0.0013900 0.0033000 0.0017200	0.035400 0.00051200 0.0019800 0.0022200	0.037700 0.00053900 0.0038500 0.0018100
0.97000	0.0097500 0.018400 0.00092300 0.00085000	0.025500 0.00018500 0.00091600 0.0010500	0.017500 0.0011200 0.0036200 0.0015100	0.035300 0.00026400 0.0020000 0.0022000	0.032100 0.00050900 0.0023600 0.0014400
0.96000	0.0084000 2.3400e-05 0.00087900 0.00087300	0.024300 0.00017500 0.00080900 0.00087100	0.017400 0.0012000 0.0034400 0.0013400	0.032700 0.00029000 0.0035400 0.0027600	0.031800 0.00035900 0.0035000 0.0018700
0.95000	0.0087700 2.1500e-05 0.00082100 0.00086200	0.022800 0.00022000 0.00072900 0.0013100	0.017800 0.00098100 0.0020000 0.0012100	0.026500 0.00017600 0.0043800 0.0017600	0.030700 0.00040000 0.0026200 0.0014100
0.94000	0.0077100 0.0074800 0.00049300 0.00080400	0.017900 0.00013600 0.00058600 0.0010700	0.016700 0.00071400 0.0015900 0.0011900	0.023500 0.00018400 0.0026300 0.0016500	0.024700 0.00031500 0.0022100 0.0014700
0.93000	0.0069400 0.0082900 0.00056900 0.00086100	0.016700 9.1600e-05 0.00074700 0.00095800	0.014600 0.0011100 0.0018800 0.0012800	0.022800 0.00023300 0.0023900 0.0019300	0.023200 0.00032300 0.0013900 0.0015000
0.92000	0.0053600 0.012100 0.00041200 0.00067600	0.015700 9.1500e-05 0.0011900 0.00060600	0.013500 0.0011900 0.0019000 0.0012300	0.023200 0.00015200 0.0018900 0.0012700	0.020100 0.00032000 0.0015300 0.0011500
0.91000	0.0044700 0.0084200 0.00036300 0.00065200	0.014800 7.3000e-05 0.00073800 0.00052800	0.014100 0.00066700 0.0014100 0.00090800	0.023600 0.00012200 0.0012000 0.0012000	0.017600 0.00029900 0.0012800 0.0010000
0.90000	0.0050000 0.0056700 0.00031700 0.00055600	0.013400 5.8900e-05 0.00099400 0.00064100	0.012400 0.00051000 0.0016200 0.00089400	0.021600 0.00012500 0.0015300 0.00096000	0.018200 0.00039300 0.0013000 0.00087500
0.89000	0.0036500 0.0058100 0.00038300 0.00048600	0.013800 5.0700e-05 0.00053400 0.00037300	0.011100 0.00046900 0.00047400 0.00084600	0.020400 0.00010800 0.0019700 0.00086200	0.018400 0.00032200 0.0012700 0.00074200
0.88000	0.0042000 0.0045700 0.00031600 0.00034500	0.011100 5.4100e-05 0.00047600 0.00057400	0.010700 0.00042100 0.00028400 0.00072400	0.017400 8.1400e-05 0.0011500 0.00085200	0.017000 0.00022300 0.0015400 0.00069500
0.87000	0.0039200 0.0042100 0.00027000 0.00035100	0.012000 6.8800e-05 0.00042100 0.00057600	0.011000 0.00039200 0.00063800 0.00059500	0.017700 8.8700e-05 0.0010100 0.00075600	0.016600 0.00020100 0.00097600 0.00062000
0.86000	0.0029100	0.010700	0.0098500	0.016600	0.014100

	0.0041600	5.9200e-05	0.00044900	9.2600e-05	0.00017400
	0.00024000	0.00035400	0.00041700	0.00070000	0.0016100
	0.00034600	0.00042700	0.00064300	0.00074700	0.00069600
0.85000	0.0029000	0.0097900	0.0094000	0.014800	0.012600
	0.0068600	5.2000e-05	0.00036000	9.3200e-05	0.00015400
	0.00022700	0.00022600	0.00037200	0.00059600	0.0013700
	0.00028400	0.00060700	0.00057500	0.00091300	0.00062700
0.84000	0.0025200	0.0091100	0.0088800	0.014800	0.012500
	0.0039000	5.9100e-05	0.00028100	8.6200e-05	0.00016200
	0.00023300	0.00028200	0.00033600	0.00052100	0.0011500
	0.00023200	0.00041700	0.00056700	0.00055700	0.00057600
0.83000	0.0025900	0.0093300	0.0094900	0.013400	0.011400
	0.0037100	5.7600e-05	0.00029200	8.3800e-05	0.00017100
	0.00018300	0.00016500	0.00040900	0.00026600	0.00092600
	0.00017900	0.00024600	0.00040100	0.00061100	0.00056900
0.82000	0.0025500	0.010900	0.0091400	0.012500	0.010300
	0.0034000	6.7800e-05	0.00043200	8.6800e-05	0.00015200
	0.00016000	0.00017100	0.00034200	0.00022900	0.0015600
	0.00016600	0.00023800	0.00037500	0.00047600	0.00037000
0.81000	0.0034700	0.0081100	0.0068200	0.012200	0.0095300
	0.0026500	5.2800e-05	0.00032500	7.7600e-05	0.00012200
	0.00014700	0.00014500	0.00030000	0.00031200	0.0011300
	0.00014500	0.00027900	0.00037900	0.00039400	0.00034500
0.80000	0.0017500	0.0085600	0.0073400	0.012000	0.0097300
	0.0028500	4.7600e-05	0.00025600	5.2100e-05	0.00011000
	0.00013000	0.00016600	0.00026700	0.00028700	0.0011500
	0.00015700	0.00028400	0.00033200	0.00037300	0.00035100
0.79000	0.0019200	0.0079600	0.0067300	0.011300	0.0097300
	0.0021900	7.7800e-05	0.00018400	4.2100e-05	9.8400e-05
	0.00014000	0.00018700	0.00026900	0.00044400	0.0011600
	7.9400e-05	0.00023100	0.00021500	0.00031600	0.00026900
0.78000	0.0021600	0.0078500	0.0069900	0.010800	0.0092200
	0.0025400	4.1100e-05	0.00018000	5.8400e-05	8.7500e-05
	0.00011500	0.00017400	0.00021400	0.00036700	0.00069300
	8.5300e-05	0.00020200	0.00019900	0.00042500	0.00029300
0.77000	0.0019000	0.0073000	0.0062100	0.0098400	0.0082500
	0.0023100	4.5300e-05	0.00015600	3.6200e-05	0.00010200
	8.5000e-05	6.3900e-05	0.00062000	0.00035000	0.00069200
	9.3800e-05	0.00023100	0.00014300	0.00032700	0.00019600
0.76000	0.0016900	0.0075500	0.0053900	0.010100	0.0083100
	0.0017700	3.0600e-05	0.00011600	5.8900e-05	5.0800e-05
	7.0500e-05	4.8500e-05	0.00077800	0.00026600	0.00034800
	8.4900e-05	0.00017100	0.00015500	0.00027000	0.00018200
0.75000	0.0013500	0.0081100	0.0055900	0.0091300	0.0085500
	0.0014500	2.9200e-05	0.00010300	2.9900e-05	3.8500e-05
	6.9700e-05	3.3300e-05	0.00027800	0.00019900	0.00031200
	8.5100e-05	0.00015900	0.00012700	0.00027000	0.00018300
0.74000	0.0013600	0.0087500	0.0054200	0.0083900	0.0081200
	0.0014000	2.6100e-05	8.9500e-05	2.8100e-05	3.8500e-05
	4.6600e-05	2.9500e-05	0.00020900	0.00019000	0.00031600
	7.6200e-05	0.00014700	0.00015100	0.00019500	0.00018400
0.73000	0.0012800	0.0082300	0.0053400	0.0081400	0.0070900
	0.0014400	3.0600e-05	0.00011100	2.7300e-05	3.9700e-05
	4.3500e-05	2.4500e-05	0.00017200	0.00014300	0.00030100
	7.1900e-05	0.00013000	0.00024700	0.00017900	0.00019000
0.72000	0.0012800	0.0086900	0.0054800	0.0076900	0.0067400
	0.0013300	2.7100e-05	9.0900e-05	5.2500e-05	3.6000e-05
	4.3300e-05	2.4200e-05	0.00019200	0.00013300	0.00027400
	6.4000e-05	0.00015900	0.00016000	0.00015700	0.00012600
0.71000	0.0010300	0.0072200	0.0048100	0.0078900	0.0066100
	0.0016000	2.7500e-05	8.4300e-05	2.5200e-05	2.5300e-05
	2.7700e-05	2.5100e-05	9.5200e-05	9.2000e-05	0.00025600
	5.6400e-05	9.6100e-05	0.00021700	0.00019000	0.00010300
0.70000	0.00097700	0.0056900	0.0046600	0.0076500	0.0062700

	0.0012500	2.4300e-05	6.7800e-05	1.7000e-05	0.00013100
	3.0000e-05	2.8400e-05	9.8900e-05	9.3100e-05	0.00020900
	5.9000e-05	7.6600e-05	0.00013200	0.00010200	8.4600e-05
0.69000	0.0010000	0.0051600	0.0044700	0.0072900	0.0058500
	0.0012400	2.1500e-05	5.7400e-05	1.6800e-05	3.5800e-05
	2.9000e-05	2.1800e-05	0.00011200	7.6400e-05	0.00022900
	4.5500e-05	5.7200e-05	0.00011900	0.00011700	8.5600e-05
0.68000	0.00086400	0.0049700	0.0044600	0.0069500	0.0051100
	0.0011900	2.8900e-05	4.5900e-05	1.8100e-05	5.1600e-05
	2.1600e-05	1.5800e-05	8.9400e-05	7.9500e-05	0.00018800
	3.9100e-05	4.4200e-05	8.4800e-05	0.00010800	8.1800e-05
0.67000	0.00077000	0.0035800	0.0044800	0.0066900	0.0049200
	0.0013100	2.6100e-05	4.7200e-05	1.3200e-05	4.8200e-05
	1.9300e-05	1.4500e-05	8.0300e-05	6.4300e-05	0.00015100
	4.0900e-05	3.9200e-05	0.00012100	0.00010500	6.3900e-05
0.66000	0.00074800	0.0041800	0.0042900	0.0068800	0.0047700
	0.0010200	2.0800e-05	5.6700e-05	1.2400e-05	4.2900e-05
	1.5600e-05	1.6500e-05	9.2600e-05	7.1100e-05	0.00016700
	3.5800e-05	4.3700e-05	7.7300e-05	8.3100e-05	5.5100e-05
0.65000	0.00076900	0.0039800	0.0044800	0.0060300	0.0046300
	0.0010200	1.8100e-05	5.2200e-05	1.0600e-05	3.7600e-05
	1.5700e-05	1.1000e-05	7.5800e-05	7.3400e-05	0.00019000
	3.3400e-05	4.2100e-05	7.3800e-05	7.4900e-05	5.1200e-05
0.64000	0.00078700	0.0037800	0.0037700	0.0055800	0.0047100
	0.00087200	1.8100e-05	3.9200e-05	1.0200e-05	1.4900e-05
	1.5500e-05	2.0800e-05	5.8100e-05	7.7200e-05	0.00015600
	2.7300e-05	3.4800e-05	8.6500e-05	6.9000e-05	4.5700e-05
0.63000	0.00066000	0.0036300	0.0035200	0.0052200	0.0046400
	0.00089100	1.8700e-05	3.7700e-05	9.9600e-06	1.1800e-05
	1.1600e-05	1.2700e-05	6.1800e-05	5.2500e-05	0.00024800
	3.1900e-05	3.1400e-05	8.0200e-05	5.7400e-05	3.9100e-05
0.62000	0.00063800	0.0033000	0.0035200	0.0047100	0.0041900
	0.00079100	2.6800e-05	3.6600e-05	8.8900e-06	1.7200e-05
	1.1400e-05	9.9200e-06	3.4800e-05	5.8400e-05	0.00013300
	2.9600e-05	3.3700e-05	5.7700e-05	6.1200e-05	3.7000e-05
0.61000	0.00055600	0.0029700	0.0034400	0.0042700	0.0042500
	0.00064600	2.2100e-05	3.0900e-05	1.0000e-05	1.1700e-05
	9.4600e-06	6.6200e-06	1.2300e-05	4.3900e-05	0.00014500
	2.5000e-05	3.4700e-05	4.5600e-05	7.7700e-05	2.9900e-05
0.60000	0.0068500	0.0028900	0.0029700	0.0037600	0.0037900
	0.00068300	2.1000e-05	2.9500e-05	9.6800e-06	9.9500e-06
	8.7400e-06	6.4700e-06	1.2200e-05	4.2300e-05	0.00012300
	2.2300e-05	2.5900e-05	5.2000e-05	6.9400e-05	3.1200e-05
0.59000	0.0025900	0.0030500	0.0027000	0.0037600	0.0040700
	0.00064500	1.6800e-05	3.0000e-05	9.1100e-06	8.5500e-06
	8.8600e-06	6.4700e-06	1.2500e-05	4.0900e-05	0.00011300
	2.0500e-05	2.5800e-05	4.4300e-05	6.8000e-05	2.7600e-05
0.58000	0.0019400	0.0029100	0.0027500	0.0037800	0.0038000
	0.00062300	1.7500e-05	2.4300e-05	7.1000e-06	9.4800e-06
	9.1500e-06	6.2600e-06	1.1900e-05	4.6200e-05	0.00010400
	1.9900e-05	2.2700e-05	3.7900e-05	6.1000e-05	2.5500e-05
0.57000	0.0012200	0.0027400	0.0025000	0.0035500	0.0032300
	0.00060300	2.0700e-05	2.0400e-05	6.0500e-06	6.4000e-06
	8.3300e-06	6.9900e-06	1.1100e-05	4.1000e-05	0.00010100
	2.2500e-05	1.9100e-05	3.4500e-05	4.5800e-05	2.1600e-05
0.56000	0.0012600	0.0026600	0.0030700	0.0034100	0.0027300
	0.00056000	1.6300e-05	2.0300e-05	5.2600e-06	8.2100e-06
	1.0200e-05	6.0700e-06	1.0700e-05	3.6500e-05	7.5100e-05
	2.3000e-05	1.9200e-05	3.1200e-05	5.4900e-05	2.0700e-05
0.55000	0.00096700	0.0023100	0.0023500	0.0034300	0.0026800
	0.00054700	1.4500e-05	1.9600e-05	5.6500e-06	6.0700e-06
	8.7700e-06	4.7100e-06	1.0600e-05	2.7200e-05	6.9200e-05
	1.9300e-05	1.8600e-05	2.7900e-05	2.4000e-05	1.9000e-05
0.54000	0.0011200	0.0023300	0.0028500	0.0032400	0.0024500

	0.00050100	1.5200e-05	1.6800e-05	4.5700e-06	5.4200e-06
	6.3600e-06	4.7200e-06	9.2800e-06	2.3900e-05	6.5500e-05
	1.8100e-05	1.2900e-05	2.4300e-05	2.2900e-05	1.9100e-05
0.53000	0.0010500	0.0021100	0.0024200	0.0029000	0.0024900
	0.00042600	1.4500e-05	1.5400e-05	3.7200e-06	4.6200e-06
	5.0900e-06	4.0800e-06	9.6800e-06	2.5700e-05	5.9600e-05
	1.6000e-05	1.7600e-05	2.4700e-05	2.2100e-05	1.8800e-05
0.52000	0.00094100	0.0020200	0.0024700	0.0029800	0.0023900
	0.00040400	1.1600e-05	1.8600e-05	3.3300e-06	4.7800e-06
	7.2500e-06	4.3300e-06	9.5100e-06	2.8300e-05	4.5900e-05
	1.5200e-05	1.8700e-05	2.0700e-05	1.8100e-05	1.8600e-05
0.51000	0.00074500	0.0019100	0.0021400	0.0027200	0.0023800
	0.00036400	1.1700e-05	1.6800e-05	3.6400e-06	4.6300e-06
	6.7100e-06	3.4500e-06	8.2200e-06	3.0400e-05	3.9400e-05
	1.5300e-05	1.6000e-05	1.7600e-05	1.8000e-05	1.7700e-05
0.50000	0.00064800	0.0017300	0.0022700	0.0027000	0.0025000
	0.00036000	1.2700e-05	1.2100e-05	3.2800e-06	4.2300e-06
	4.7100e-06	3.3100e-06	6.9100e-06	2.5400e-05	3.5800e-05
	1.5800e-05	1.3300e-05	1.6700e-05	1.5000e-05	2.1600e-05
0.49000	0.00064400	0.0016100	0.0025600	0.0026400	0.0021800
	0.00036500	1.1900e-05	1.0300e-05	3.0100e-06	4.0900e-06
	4.1000e-06	2.9800e-06	6.0300e-06	2.1400e-05	3.8500e-05
	1.7200e-05	1.4000e-05	1.3700e-05	1.4600e-05	1.7100e-05
0.48000	0.00054700	0.0015300	0.0021200	0.0024500	0.0020700
	0.00033800	1.0100e-05	8.8800e-06	2.5100e-06	3.8500e-06
	3.8600e-06	2.7000e-06	7.5600e-06	2.4700e-05	2.7700e-05
	1.4400e-05	1.3100e-05	1.2700e-05	1.3000e-05	1.5200e-05
0.47000	0.00050900	0.0014600	0.0025200	0.0024200	0.0019000
	0.00029300	9.5900e-06	9.5500e-06	2.6100e-06	3.8600e-06
	3.4500e-06	3.2900e-06	8.6700e-06	2.7600e-05	2.6000e-05
	1.4200e-05	1.2200e-05	1.1700e-05	1.2500e-05	1.0700e-05
0.46000	0.00054200	0.0014200	0.0022000	0.0022400	0.0018600
	0.00028600	1.0500e-05	7.4300e-06	2.5600e-06	3.4200e-06
	2.8600e-06	2.5800e-06	7.4600e-06	2.6800e-05	2.2000e-05
	1.3300e-05	1.2100e-05	1.1400e-05	1.1900e-05	1.0000e-05
0.45000	0.00044500	0.0012800	0.0017600	0.0021000	0.0016900
	0.00027200	1.2600e-05	8.0600e-06	2.2300e-06	3.1500e-06
	2.8600e-06	2.2900e-06	7.3100e-06	2.1000e-05	1.8700e-05
	1.2500e-05	1.0400e-05	1.1100e-05	1.0900e-05	9.5900e-06
0.44000	0.00053600	0.0012600	0.0013700	0.0021700	0.0014600
	0.00027900	8.9000e-06	6.3500e-06	2.2200e-06	3.0000e-06
	2.2600e-06	2.0300e-06	7.7200e-06	1.6100e-05	1.7100e-05
	1.1500e-05	1.1200e-05	9.3700e-06	1.0400e-05	8.6600e-06
0.43000	0.00045200	0.0012300	0.0011600	0.0021300	0.0013100
	0.00027600	1.1000e-05	6.5900e-06	2.0600e-06	3.0900e-06
	2.1000e-06	1.8900e-06	6.8000e-06	1.8600e-05	1.4000e-05
	1.2200e-05	1.0300e-05	1.0300e-05	1.0000e-05	7.6600e-06
0.42000	0.00041000	0.0011700	0.0010500	0.0020800	0.0013500
	0.00025500	8.7300e-06	6.4300e-06	1.6300e-06	2.5500e-06
	2.5200e-06	1.9500e-06	6.5900e-06	1.4900e-05	1.7000e-05
	1.0700e-05	7.9400e-06	7.9500e-06	9.5500e-06	6.5400e-06
0.41000	0.00035400	0.0011000	0.0010700	0.0019600	0.0013000
	0.00022300	8.0600e-06	5.9000e-06	1.7200e-06	2.5500e-06
	2.3800e-06	1.9000e-06	5.6500e-06	1.1700e-05	1.5300e-05
	9.4100e-06	9.1600e-06	6.9300e-06	8.9900e-06	5.7800e-06
0.40000	0.00037700	0.0010600	0.00098200	0.0018300	0.0012100
	0.00020400	5.1100e-06	5.6600e-06	1.3500e-06	2.4700e-06
	2.1200e-06	1.8700e-06	5.5400e-06	1.0600e-05	1.4100e-05
	5.2400e-06	7.8300e-06	6.8300e-06	8.8200e-06	5.3300e-06
0.39000	0.00035500	0.00097000	0.00093800	0.0017500	0.0011800
	0.00019700	1.7300e-06	4.5800e-06	1.2400e-06	1.7400e-06
	1.8800e-06	1.5800e-06	5.1900e-06	9.2500e-06	1.3800e-05
	4.9700e-06	7.3700e-06	6.1000e-06	7.8500e-06	4.8000e-06
0.38000	0.00035300	0.00085700	0.0010200	0.0016800	0.0009600

	0.00018800	1.4400e-06	5.5200e-06	1.0900e-06	1.6600e-06
	1.5400e-06	1.5600e-06	4.7600e-06	7.8600e-06	1.1900e-05
	5.4500e-06	7.1100e-06	5.5000e-06	7.8400e-06	4.2800e-06
0.37000	0.00037000	0.00089200	0.00087100	0.0016800	0.00095100
	0.00017400	1.3800e-06	4.9300e-06	1.0800e-06	1.6800e-06
	1.6400e-06	1.4100e-06	4.6300e-06	7.2000e-06	1.1800e-05
	4.0400e-06	6.0400e-06	5.5600e-06	7.2900e-06	4.0800e-06
0.36000	0.00063700	0.00088800	0.00093300	0.0014700	0.00090700
	0.00016800	1.0500e-06	4.5500e-06	9.4000e-07	1.5900e-06
	1.5900e-06	1.4100e-06	4.4900e-06	6.3300e-06	1.0400e-05
	3.7600e-06	6.0200e-06	5.5000e-06	6.8300e-06	3.7100e-06
0.35000	0.00062100	0.00082100	0.00078100	0.0014600	0.00088900
	0.00016300	8.8000e-07	4.4300e-06	9.5000e-07	1.5600e-06
	1.5600e-06	1.2900e-06	3.6500e-06	5.5300e-06	9.5300e-06
	4.3900e-06	4.4300e-06	5.1300e-06	6.9400e-06	3.5900e-06
0.34000	0.00061500	0.00075600	0.00066400	0.0013900	0.00087600
	0.00015600	7.8000e-07	3.9500e-06	8.9000e-07	1.5700e-06
	1.4600e-06	1.1500e-06	3.8200e-06	5.6100e-06	9.0800e-06
	1.9800e-06	4.8100e-06	4.0100e-06	6.1400e-06	3.1100e-06
0.33000	0.00059600	0.00072600	0.00072400	0.0012800	0.00082000
	0.00014800	8.0000e-07	3.5700e-06	7.7000e-07	1.6700e-06
	1.2000e-06	1.0300e-06	3.2400e-06	5.3200e-06	8.9900e-06
	2.0800e-06	3.3800e-06	3.9300e-06	5.7200e-06	3.4200e-06
0.32000	0.00056600	0.00070100	0.00054400	0.0012200	0.00081200
	0.00014000	7.4000e-07	3.0600e-06	7.4000e-07	1.3500e-06
	1.1400e-06	1.0200e-06	3.4000e-06	5.2600e-06	8.0700e-06
	1.6900e-06	2.9500e-06	3.5000e-06	4.8900e-06	2.7100e-06
0.31000	0.00048100	0.00064500	0.00047800	0.0012000	0.00080100
	0.00013800	6.4000e-07	2.8300e-06	6.9000e-07	1.2700e-06
	6.0000e-07	8.0000e-07	3.0100e-06	4.7900e-06	6.1800e-06
	1.4700e-06	2.6200e-06	2.7900e-06	4.7700e-06	2.5600e-06
0.30000	0.00032600	0.00058400	0.00048000	0.0010900	0.00070200
	0.00012400	7.6000e-07	2.8100e-06	6.5000e-07	1.3900e-06
	6.6000e-07	9.1000e-07	3.0000e-06	4.6400e-06	6.4100e-06
	1.3300e-06	1.9100e-06	2.9200e-06	4.3500e-06	2.5300e-06
0.29000	0.00032800	0.00052500	0.00046900	0.0010500	0.00063100
	0.00011900	6.6000e-07	2.4100e-06	5.8000e-07	1.3800e-06
	4.7000e-07	7.8000e-07	2.9400e-06	4.1700e-06	5.8000e-06
	1.2300e-06	1.6800e-06	2.5400e-06	4.0400e-06	2.1400e-06
0.28000	0.00029800	0.00049500	0.00050600	0.00097800	0.00053900
	0.00011200	6.7000e-07	2.2800e-06	5.3000e-07	1.2200e-06
	5.3000e-07	7.1000e-07	2.7000e-06	3.8200e-06	5.3300e-06
	1.0200e-06	1.6600e-06	2.3200e-06	3.6300e-06	1.9500e-06
0.27000	0.00027000	0.00045400	0.00054500	0.00099200	0.00053300
	0.00010700	4.0000e-07	2.1100e-06	5.4000e-07	1.0200e-06
	4.6000e-07	6.1000e-07	2.2400e-06	3.4700e-06	5.6400e-06
	1.0400e-06	1.7100e-06	2.1100e-06	3.4200e-06	1.7300e-06
0.26000	0.00027300	0.00042200	0.00050000	0.00089700	0.00047800
	0.00010400	5.3000e-07	2.1500e-06	5.1000e-07	9.1000e-07
	4.5000e-07	5.7000e-07	2.4300e-06	3.7400e-06	4.2800e-06
	9.6000e-07	1.3300e-06	1.8300e-06	3.0900e-06	1.5500e-06
0.25000	0.00022400	0.00042100	0.00043600	0.00086800	0.00045800
	9.6500e-05	4.9000e-07	1.8700e-06	4.2000e-07	8.2000e-07
	3.7000e-07	5.8000e-07	2.3600e-06	3.2900e-06	3.9000e-06
	8.1000e-07	1.2000e-06	1.7400e-06	2.9100e-06	1.3700e-06
0.24000	0.00022100	0.00040900	0.00041800	0.00084000	0.00040800
	8.7900e-05	4.2000e-07	1.6600e-06	3.8000e-07	8.1000e-07
	3.3000e-07	4.8000e-07	1.9300e-06	2.9400e-06	3.8100e-06
	7.3000e-07	1.1000e-06	1.4100e-06	2.6200e-06	1.3800e-06
0.23000	0.00022300	0.00034900	0.00039100	0.00077200	0.00041900
	8.7100e-05	3.9000e-07	8.8000e-07	3.7000e-07	7.4000e-07
	3.2000e-07	4.4000e-07	1.9900e-06	2.5300e-06	3.5800e-06
	7.0000e-07	8.8000e-07	1.1600e-06	2.4600e-06	1.2500e-06
0.22000	0.00017500	0.00031300	0.00034400	0.00070000	0.00033800

	8.2900e-05	3.6000e-07	9.3000e-07	3.7000e-07	7.0000e-07
	2.6000e-07	4.1000e-07	1.8900e-06	2.3800e-06	3.3700e-06
	6.4000e-07	8.2000e-07	1.1400e-06	2.2300e-06	1.2000e-06
0.21000	0.00018300	0.00029500	0.00037600	0.00064600	0.00033000
	7.8800e-05	2.9000e-07	8.9000e-07	2.8000e-07	7.0000e-07
	2.5000e-07	4.1000e-07	1.5000e-06	2.3200e-06	3.0400e-06
	5.7000e-07	7.0000e-07	1.0200e-06	1.7300e-06	9.5000e-07
0.20000	0.00017500	0.00028000	0.00040900	0.00055100	0.00030200
	7.3700e-05	2.0000e-07	8.2000e-07	2.6000e-07	5.8000e-07
	1.9000e-07	3.6000e-07	1.3200e-06	2.1700e-06	2.7300e-06
	5.4000e-07	4.8000e-07	8.6000e-07	1.5200e-06	1.1000e-06
0.19000	0.00015600	0.00025000	0.00033900	0.00053400	0.00028100
	6.7800e-05	1.5000e-07	8.2000e-07	2.2000e-07	5.3000e-07
	1.8000e-07	2.8000e-07	1.2100e-06	1.9800e-06	2.5600e-06
	4.5000e-07	4.1000e-07	7.6000e-07	1.4000e-06	7.4000e-07
0.18000	0.00014600	0.00022800	0.00028400	0.00053200	0.00027200
	6.3100e-05	1.4000e-07	7.2000e-07	2.0000e-07	4.9000e-07
	1.9000e-07	2.5000e-07	1.1600e-06	2.5200e-06	2.2700e-06
	3.9000e-07	4.0000e-07	5.7000e-07	1.4000e-06	6.4000e-07
0.17000	0.00014500	0.00019100	0.00025600	0.00047100	0.00019000
	5.8000e-05	1.8000e-07	7.0000e-07	1.8000e-07	4.5000e-07
	1.4000e-07	2.1000e-07	9.4000e-07	2.0600e-06	2.1000e-06
	3.2000e-07	4.4000e-07	5.3000e-07	1.2600e-06	6.0000e-07
0.16000	0.00015300	0.00018100	0.00019500	0.00045100	0.00019100
	5.2400e-05	1.1000e-07	6.7000e-07	1.7000e-07	4.0000e-07
	1.2000e-07	1.9000e-07	7.8000e-07	1.7800e-06	1.8300e-06
	3.6000e-07	3.7000e-07	4.7000e-07	1.0500e-06	4.8000e-07
0.15000	0.00015400	0.00018100	0.00024900	0.00038600	0.00017100
	4.7800e-05	1.0000e-07	6.4000e-07	1.7000e-07	4.6000e-07
	1.5000e-07	1.5000e-07	7.3000e-07	1.5400e-06	1.6600e-06
	3.2000e-07	3.1000e-07	4.3000e-07	9.4000e-07	5.5000e-07
0.14000	0.00013800	0.00015900	0.00020500	0.00035700	0.00018200
	4.5700e-05	7.0000e-08	5.7000e-07	1.2000e-07	2.8000e-07
	9.0000e-08	1.3000e-07	7.1000e-07	1.3300e-06	1.6100e-06
	3.1000e-07	2.7000e-07	3.6000e-07	8.3000e-07	4.5000e-07
0.13000	0.00013700	0.00014100	0.00017000	0.00033500	0.00015200
	4.0300e-05	7.0000e-08	4.9000e-07	9.0000e-08	3.9000e-07
	6.0000e-08	1.3000e-07	6.3000e-07	1.0900e-06	1.5300e-06
	1.9000e-07	2.2000e-07	3.0000e-07	7.4000e-07	3.9000e-07
0.12000	0.00014800	0.00011900	0.00016700	0.00029100	0.00015200
	3.6700e-05	4.0000e-08	4.3000e-07	1.2000e-07	3.3000e-07
	7.0000e-08	1.1000e-07	4.9000e-07	9.7000e-07	1.2500e-06
	1.6000e-07	1.7000e-07	2.7000e-07	6.9000e-07	3.1000e-07
0.11000	0.00013600	0.00010700	0.00015500	0.00025700	0.00013700
	3.3300e-05	4.0000e-08	5.8000e-07	1.0000e-07	2.5000e-07
	5.0000e-08	7.0000e-08	4.6000e-07	9.8000e-07	1.1300e-06
	1.1000e-07	1.4000e-07	2.6000e-07	5.6000e-07	3.1000e-07
0.10000	0.00012000	9.9700e-05	0.00012800	0.00021200	0.00011000
	3.0400e-05	1.0000e-08	4.9000e-07	7.0000e-08	1.5000e-07
	3.0000e-08	5.0000e-08	4.3000e-07	8.5000e-07	9.4000e-07
	8.0000e-08	1.2000e-07	2.0000e-07	4.8000e-07	2.8000e-07
0.090000	0.00010500	8.9900e-05	0.00010400	0.00019600	9.3700e-05
	2.7200e-05	1.0000e-08	4.0000e-07	3.0000e-08	1.5000e-07
	2.0000e-08	5.0000e-08	3.5000e-07	6.9000e-07	8.2000e-07
	6.0000e-08	9.0000e-08	1.7000e-07	4.0000e-07	2.0000e-07
0.080000	9.6700e-05	8.2600e-05	9.3600e-05	0.00016800	8.8400e-05
	2.3100e-05	-1.0000e-08	3.6000e-07	5.0000e-08	1.3000e-07
	0.0000	5.0000e-08	3.1000e-07	6.6000e-07	6.8000e-07
	1.0000e-08	3.0000e-08	1.9000e-07	2.8000e-07	1.5000e-07
0.070000	7.8900e-05	6.1200e-05	8.0500e-05	0.00014800	7.3600e-05
	2.0400e-05	0.0000	2.8000e-07	4.0000e-08	1.0000e-07
	-3.0000e-08	1.0000e-08	2.4000e-07	5.1000e-07	5.9000e-07
	2.0000e-08	2.0000e-08	1.2000e-07	2.2000e-07	1.1000e-07
0.060000	6.9000e-05	5.3000e-05	7.1900e-05	0.00013100	6.8500e-05

	1.6700e-05	-1.0000e-08	2.3000e-07	0.0000	6.0000e-08
	-3.0000e-08	-4.0000e-08	1.7000e-07	4.3000e-07	4.8000e-07
	-1.0000e-08	0.0000	4.0000e-08	1.8000e-07	7.0000e-08
0.050000	5.9500e-05	4.1100e-05	6.0500e-05	0.00011200	4.5600e-05
	1.3400e-05	-1.0000e-08	1.7000e-07	-1.0000e-08	6.0000e-08
	-5.0000e-08	-5.0000e-08	1.1000e-07	2.9000e-07	3.4000e-07
	-6.0000e-08	-2.0000e-08	2.0000e-08	1.6000e-07	0.0000
0.040000	5.3300e-05	2.9900e-05	4.5700e-05	8.5900e-05	3.2900e-05
	1.0600e-05	-3.0000e-08	1.1000e-07	-4.0000e-08	5.0000e-08
	-6.0000e-08	-6.0000e-08	7.0000e-08	2.2000e-07	2.6000e-07
	-5.0000e-08	-6.0000e-08	-2.0000e-08	7.0000e-08	-2.0000e-08
0.030000	7.4300e-05	1.6500e-05	3.4000e-05	6.6000e-05	2.9400e-05
	7.7700e-06	-6.0000e-08	-2.0000e-08	-3.0000e-08	1.0000e-08
	-9.0000e-08	-6.0000e-08	1.0000e-08	1.5000e-07	1.7000e-07
	-8.0000e-08	-8.0000e-08	-7.0000e-08	-1.0000e-08	-7.0000e-08
0.020000	5.9700e-05	1.2300e-05	2.3100e-05	4.1200e-05	1.9100e-05
	5.2700e-06	-6.0000e-08	-2.0000e-08	-6.0000e-08	-5.0000e-08
	-1.2000e-07	-9.0000e-08	-2.0000e-08	4.0000e-08	5.0000e-08
	-9.0000e-08	-1.1000e-07	-1.0000e-07	-3.0000e-08	-1.0000e-07
0.0100000	3.1600e-05	5.5000e-06	1.1700e-05	2.0900e-05	9.5400e-06
	2.4500e-06	-8.0000e-08	-5.0000e-08	-7.0000e-08	-9.0000e-08
	-1.2000e-07	-1.2000e-07	-9.0000e-08	-7.0000e-08	-3.0000e-08
	-1.2000e-07	-1.0000e-07	-1.2000e-07	-1.0000e-07	-1.2000e-07
-0.0	7.5300e-16	1.2900e-06	8.0000e-07	-2.7000e-07	-2.2000e-07
	-1.3000e-07	-7.0000e-08	-8.0000e-08	-1.0000e-07	-9.0000e-08
	-1.1000e-07	-1.1000e-07	-1.4000e-07	-1.4000e-07	-1.3000e-07
	-1.5000e-07	-1.3000e-07	-1.4000e-07	-1.5000e-07	-1.4000e-07
-0.0100000	-4.4100e-05	-4.3200e-06	-1.1000e-05	-2.0200e-05	-1.0300e-05
	-1.8400e-06	4.0000e-08	2.0000e-08	5.0000e-08	-1.0000e-08
	0.0000	-3.0000e-08	-8.0000e-08	-7.0000e-08	-1.0000e-07
	-3.0000e-08	-3.0000e-08	-4.0000e-08	-7.0000e-08	-4.0000e-08
-0.020000	-8.5500e-05	-1.0100e-05	-2.3300e-05	-3.9700e-05	-1.9600e-05
	-3.5000e-06	4.0000e-08	-6.0000e-08	0.0000	-2.0000e-08
	1.0000e-08	-2.0000e-08	-1.3000e-07	-1.5000e-07	-2.0000e-07
	-7.0000e-08	-5.0000e-08	-8.0000e-08	-1.5000e-07	-9.0000e-08
-0.030000	-0.00019600	-1.3700e-05	-3.6400e-05	-6.1900e-05	-2.8900e-05
	-5.4000e-06	5.0000e-08	-1.1000e-07	3.0000e-08	-7.0000e-08
	-1.0000e-08	-6.0000e-08	-1.4000e-07	-2.0000e-07	-2.8000e-07
	-6.0000e-08	-8.0000e-08	-1.2000e-07	-1.5000e-07	-1.1000e-07
-0.040000	-0.00031800	-1.8000e-05	-4.4800e-05	-7.8300e-05	-3.6400e-05
	-6.6100e-06	1.0000e-08	-1.5000e-07	-3.0000e-08	-5.0000e-08
	-4.0000e-08	-5.0000e-08	-1.7000e-07	-3.0000e-07	-3.7000e-07
	-1.2000e-07	-1.0000e-07	-1.0000e-07	-2.2000e-07	-1.8000e-07
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	-8.4300e-06	1.0000e-08	-2.6000e-07	-2.0000e-08	-1.2000e-07
	-5.0000e-08	-1.0000e-07	-2.2000e-07	-3.9000e-07	-4.5000e-07
	-1.4000e-07	-1.3000e-07	-1.5000e-07	-2.8000e-07	-1.7000e-07
-0.060000	-0.00071900	-3.1200e-05	-7.8200e-05	-0.00012700	-6.4300e-05
	-1.0000e-05	0.0000	-2.4000e-07	-5.0000e-08	-1.0000e-07
	-4.0000e-08	-1.1000e-07	-2.8000e-07	-4.3000e-07	-5.5000e-07
	-1.8000e-07	-1.4000e-07	-1.9000e-07	-2.9000e-07	-2.2000e-07
-0.070000	-0.0010200	-3.9500e-05	-9.3800e-05	-0.00014800	-7.3700e-05
	-1.1500e-05	-1.0000e-08	-5.0000e-07	-7.0000e-08	-1.6000e-07
	-7.0000e-08	-1.3000e-07	-3.3000e-07	-5.1000e-07	-5.8000e-07
	-1.8000e-07	-1.5000e-07	-2.3000e-07	-3.7000e-07	-2.4000e-07
-0.080000	-0.0011600	-4.7900e-05	-0.00010900	-0.00017300	-9.0100e-05
	-1.3400e-05	-3.0000e-08	-3.1000e-07	-8.0000e-08	-2.1000e-07
	-9.0000e-08	-1.0000e-07	-3.6000e-07	-5.7000e-07	-7.4000e-07
	-1.9000e-07	-1.7000e-07	-2.8000e-07	-4.4000e-07	-3.2000e-07
-0.090000	-0.0014700	-5.6600e-05	-0.00012400	-0.00020300	-8.5900e-05
	-1.4800e-05	-2.0000e-08	-7.8000e-07	-1.0000e-07	-2.6000e-07
	-1.0000e-07	-1.4000e-07	-5.0000e-07	-7.3000e-07	-7.9000e-07
	-2.1000e-07	-2.0000e-07	-3.1000e-07	-4.9000e-07	-3.4000e-07
-0.10000	-0.0017600	-5.7800e-05	-0.00011100	-0.00023600	-9.6600e-05

	-1.6300e-05	-4.0000e-08	-5.4000e-07	-1.0000e-07	-2.6000e-07
	-1.1000e-07	-1.6000e-07	-5.2000e-07	-7.1000e-07	-8.8000e-07
	-2.3000e-07	-2.1000e-07	-3.9000e-07	-5.2000e-07	-3.8000e-07
-0.11000	-0.0016600	-6.1100e-05	-6.4800e-05	-0.00024800	-0.00010800
	-1.7400e-05	-3.0000e-08	-5.6000e-07	-1.5000e-07	-3.4000e-07
	-1.1000e-07	-1.7000e-07	-6.0000e-07	-7.5000e-07	-1.0300e-06
	-2.2000e-07	-2.6000e-07	-4.4000e-07	-5.7000e-07	-4.2000e-07
-0.12000	-0.0017900	-7.8000e-05	-8.8500e-05	-0.00027700	-0.00015200
	-1.9700e-05	-5.0000e-08	-6.4000e-07	-1.4000e-07	-3.8000e-07
	-1.3000e-07	-2.2000e-07	-7.0000e-07	-8.3000e-07	-1.0300e-06
	-2.6000e-07	-2.7000e-07	-5.2000e-07	-7.1000e-07	-4.3000e-07
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	-2.1000e-05	-7.0000e-08	-6.0000e-07	-1.8000e-07	-4.0000e-07
	-1.4000e-07	-2.0000e-07	-7.2000e-07	-8.9000e-07	-1.0700e-06
	-3.2000e-07	-2.7000e-07	-5.2000e-07	-8.1000e-07	-5.2000e-07
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	-2.2700e-05	-7.0000e-08	-1.0600e-06	-2.0000e-07	-4.3000e-07
	-1.7000e-07	-2.4000e-07	-8.3000e-07	-1.0100e-06	-1.4600e-06
	-3.5000e-07	-3.3000e-07	-6.2000e-07	-8.9000e-07	-5.4000e-07
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	-1.9900e-05	-6.0000e-08	-2.1400e-06	-2.0000e-07	-4.6000e-07
	-1.9000e-07	-2.3000e-07	-7.2000e-07	-1.0700e-06	-1.5100e-06
	-4.5000e-07	-3.2000e-07	-5.8000e-07	-9.1000e-07	-6.1000e-07
-0.16000	-0.0035500	-0.00010600	-0.00011300	-0.00040600	-0.00019300
	-2.1400e-05	-9.0000e-08	-1.2500e-06	-2.5000e-07	-5.0000e-07
	-2.5000e-07	-2.8000e-07	-8.0000e-07	-1.1900e-06	-1.4800e-06
	-4.8000e-07	-3.6000e-07	-6.8000e-07	-1.0500e-06	-6.3000e-07
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	-2.3000e-05	-1.1000e-07	-2.2800e-06	-2.3000e-07	-5.4000e-07
	-2.2000e-07	-3.4000e-07	-9.7000e-07	-1.3200e-06	-1.6100e-06
	-6.4000e-07	-3.9000e-07	-7.9000e-07	-1.0600e-06	-7.0000e-07
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	-2.2900e-05	-1.1000e-07	-1.8100e-06	-2.8000e-07	-5.7000e-07
	-2.7000e-07	-3.2000e-07	-9.6000e-07	-1.4000e-06	-1.7100e-06
	-5.9000e-07	-4.1000e-07	-8.5000e-07	-1.1500e-06	-7.5000e-07
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	-2.5200e-05	-1.5000e-07	-3.4600e-06	-2.7000e-07	-6.4000e-07
	-2.7000e-07	-3.6000e-07	-1.0000e-06	-1.4100e-06	-1.8500e-06
	-7.2000e-07	-4.4000e-07	-8.6000e-07	-1.1300e-06	-8.0000e-07
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	-2.0600e-06	-1.7000e-07	-2.1800e-06	-3.1000e-07	-6.7000e-07
	-3.2000e-07	-3.6000e-07	-1.0700e-06	-1.5800e-06	-1.9800e-06
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	-4.8900e-06	-2.1000e-07	-1.4600e-06	-3.3000e-07	-6.8000e-07
	-3.1000e-07	-4.3000e-07	-1.3000e-06	-1.7400e-06	-2.0600e-06
	-8.0000e-07	-5.1000e-07	-1.0100e-06	-1.2900e-06	-8.9000e-07
-0.22000	-0.0058600	-0.00017500	-0.00030900	-0.00062100	-0.00035800
	-5.8600e-06	-2.1000e-07	-3.4200e-06	-3.1000e-07	-7.4000e-07
	-3.4000e-07	-4.2000e-07	-1.3400e-06	-1.7800e-06	-2.2500e-06
	-8.8000e-07	-5.1000e-07	-1.0900e-06	-1.3800e-06	-1.0100e-06
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	-7.6300e-06	-3.6000e-07	-4.1600e-06	-3.7000e-07	-8.5000e-07
	-4.0000e-07	-4.6000e-07	-1.5500e-06	-2.1600e-06	-2.4200e-06
	-9.7000e-07	-5.2000e-07	-1.2100e-06	-1.3500e-06	-1.0500e-06
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	-3.6600e-06	-3.6000e-07	-4.8200e-06	-4.0000e-07	-8.8000e-07
	-3.9000e-07	-4.4000e-07	-1.4800e-06	-2.1800e-06	-2.7200e-06
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	-1.0500e-05	-5.7000e-07	-5.4700e-06	-4.5000e-07	-8.9000e-07
	-3.7000e-07	-4.3000e-07	-1.2500e-06	-2.4500e-06	-2.6200e-06
	-1.1500e-06	-5.8000e-07	-1.3400e-06	-1.5200e-06	-1.1600e-06
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	-1.2900e-05	-4.4000e-07	-4.8400e-06	-4.7000e-07	-9.9000e-07
	-4.2000e-07	-5.3000e-07	-1.4100e-06	-2.4100e-06	-2.9100e-06
	-1.2500e-06	-6.5000e-07	-1.5000e-06	-1.6500e-06	-1.2800e-06
-0.27000	-0.019700	-0.00024900	-0.00063300	-0.00089300	-0.00046200
	-1.3800e-05	-4.4000e-07	-5.6300e-06	-5.3000e-07	-9.8000e-07
	-4.4000e-07	-5.1000e-07	-1.5900e-06	-2.8100e-06	-2.9500e-06
	-1.3800e-06	-6.9000e-07	-1.4400e-06	-1.6100e-06	-1.3100e-06
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	-3.9900e-06	-5.7000e-07	-5.5100e-06	-5.4000e-07	-1.0000e-06
	-4.9000e-07	-5.4000e-07	-1.8900e-06	-3.0800e-06	-3.6500e-06
	-1.3900e-06	-7.3000e-07	-1.7500e-06	-1.7000e-06	-1.5000e-06
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	-1.5200e-05	-6.2000e-07	-5.3600e-06	-5.8000e-07	-1.0300e-06
	-6.1000e-07	-6.3000e-07	-1.7100e-06	-3.5500e-06	-4.1700e-06
	-1.2900e-06	-7.1000e-07	-1.7800e-06	-1.6900e-06	-1.5300e-06
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	-6.3300e-06	-8.6000e-07	-7.3600e-06	-6.4000e-07	-1.1700e-06
	-5.4000e-07	-7.1000e-07	-2.1400e-06	-3.9100e-06	-4.2600e-06
	-1.4500e-06	-7.8000e-07	-1.9700e-06	-1.9700e-06	-1.7100e-06
-0.31000	-0.028800	-0.00033100	-0.00071300	-0.0011000	-0.00075800
	-1.0500e-05	-8.6000e-07	-7.2600e-06	-6.3000e-07	-1.1700e-06
	-6.3000e-07	-6.3000e-07	-2.1400e-06	-4.1600e-06	-4.2200e-06
	-2.0600e-06	-7.7000e-07	-2.1300e-06	-2.3800e-06	-1.8700e-06
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	-6.5000e-06	-9.4000e-07	-1.1400e-05	-6.1000e-07	-1.1000e-06
	-5.8000e-07	-7.3000e-07	-2.3000e-06	-4.6500e-06	-4.1300e-06
	-1.9500e-06	-8.1000e-07	-2.3400e-06	-2.5100e-06	-2.1200e-06
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	-8.8000e-06	-1.1900e-06	-1.4000e-05	-6.3000e-07	-1.1500e-06
	-7.6000e-07	-8.6000e-07	-2.2300e-06	-4.6800e-06	-3.8200e-06
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-0.34000	-0.055200	-0.00042700	-0.0010300	-0.0012700	-0.00084500
	-1.6800e-05	-9.9000e-07	-1.0900e-05	-6.5000e-07	-1.2100e-06
	-8.7000e-07	-9.0000e-07	-2.3100e-06	-4.7500e-06	-3.9600e-06
	-1.5000e-06	-9.0000e-07	-2.6400e-06	-2.9000e-06	-2.4000e-06
-0.35000	-0.055200	-0.00060000	-0.0011200	-0.0014500	-0.00082700
	-2.0900e-05	-1.0300e-06	-1.2700e-05	-6.8000e-07	-2.7500e-06
	-9.1000e-07	-1.0200e-06	-2.5800e-06	-5.2400e-06	-4.0000e-06
	-1.4600e-06	-9.3000e-07	-2.9200e-06	-3.2700e-06	-2.6700e-06
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	-1.8800e-05	-1.3100e-06	-4.7000e-06	-7.5000e-07	-3.3600e-06
	-7.1000e-07	-1.1400e-06	-2.8800e-06	-5.1800e-06	-4.1400e-06
	-1.3900e-06	-1.0600e-06	-3.3400e-06	-3.4000e-06	-2.8900e-06
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	-2.0800e-05	-1.3600e-06	-7.4700e-06	-1.0100e-06	-3.2500e-06
	-7.7000e-07	-1.1000e-06	-2.6500e-06	-5.5300e-06	-4.5000e-06
	-1.4700e-06	-1.1300e-06	-3.2800e-06	-3.6100e-06	-2.9200e-06
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	-9.9800e-06	-2.2400e-06	-4.1400e-06	-1.0400e-06	-2.9000e-06
	-7.7000e-07	-1.1900e-06	-2.5500e-06	-5.6300e-06	-4.9900e-06
	-1.7100e-06	-1.2200e-06	-3.4200e-06	-3.9100e-06	-3.1300e-06
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	-1.4600e-05	-1.9300e-06	-4.3500e-06	-1.1800e-06	-3.6000e-06
	-9.0000e-07	-1.2200e-06	-2.9100e-06	-6.4500e-06	-4.6900e-06
	-1.5600e-06	-1.1500e-06	-3.7400e-06	-4.1900e-06	-3.2900e-06
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	-1.2000e-05	-2.4700e-06	-5.8100e-06	-1.0600e-06	-1.8000e-06
	-1.0900e-06	-1.1100e-06	-2.6000e-06	-7.8900e-06	-4.7500e-06
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	-2.7300e-05	-3.1500e-06	-7.8300e-06	-1.1600e-06	-2.2300e-06
	-1.0300e-06	-1.2300e-06	-2.7000e-06	-6.7600e-06	-4.7800e-06
	-1.8300e-06	-1.2600e-06	-4.0100e-06	-5.1300e-06	-3.8500e-06
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	-1.5800e-05	-3.5900e-06	-1.5800e-05	-1.2200e-06	-2.2400e-06
	-1.3800e-06	-1.2200e-06	-2.4400e-06	-7.3200e-06	-5.5400e-06
	-1.7600e-06	-1.4300e-06	-4.1700e-06	-4.8700e-06	-3.6800e-06
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	-4.9600e-06	-2.6000e-06	-5.4900e-06	-1.0100e-06	-2.0700e-06
	-1.1300e-06	-1.2700e-06	-2.6500e-06	-8.4000e-06	-5.5100e-06
	-1.6900e-06	-1.4700e-06	-4.4000e-06	-5.1100e-06	-3.6600e-06
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	-2.5200e-05	-2.0600e-06	-1.2200e-05	-1.0100e-06	-2.2400e-06
	-1.7600e-06	-1.3500e-06	-2.8800e-06	-8.1700e-06	-5.7500e-06
	-1.8400e-06	-1.5200e-06	-4.8600e-06	-5.5500e-06	-4.0000e-06
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	-1.0200e-05	-2.7300e-06	-1.7500e-05	-1.1300e-06	-2.0300e-06
	-1.5500e-06	-1.4100e-06	-2.9400e-06	-8.9600e-06	-6.2900e-06
	-1.9300e-06	-1.7500e-06	-5.1300e-06	-5.4200e-06	-4.4100e-06
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	-2.1200e-05	-3.2100e-06	-1.4000e-05	-1.1700e-06	-2.5800e-06
	-1.2100e-06	-1.3900e-06	-3.5900e-06	-9.6800e-06	-6.8300e-06
	-2.2900e-06	-1.7200e-06	-5.2800e-06	-6.1600e-06	-5.0900e-06
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	-2.3800e-05	-3.5300e-06	-1.1300e-05	-1.3100e-06	-2.6200e-06
	-1.4500e-06	-1.5800e-06	-3.4200e-06	-9.2600e-06	-7.5900e-06
	-2.2500e-06	-1.8200e-06	-6.1100e-06	-6.1700e-06	-5.1400e-06
-0.48000	-0.11000	-0.40800	-0.0017600	-0.0027200	-0.0014300
	-1.8100e-05	-5.5000e-06	-1.6200e-05	-1.2700e-06	-2.9300e-06
	-1.7200e-06	-1.6500e-06	-3.7200e-06	-9.8700e-06	-8.1000e-06
	-2.4200e-06	-2.0200e-06	-5.8800e-06	-5.8200e-06	-5.0100e-06
-0.49000	-0.13300	-0.90800	-0.0019700	-0.0029400	-0.0015500
	-2.8800e-05	-5.8800e-06	-1.4400e-05	-1.4600e-06	-2.7300e-06
	-2.3300e-06	-1.5800e-06	-4.8400e-06	-1.0900e-05	-8.3000e-06
	-2.4900e-06	-1.8900e-06	-6.0200e-06	-6.4100e-06	-5.7700e-06
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	-2.7300e-05	-7.3400e-06	-1.4000e-05	-1.7800e-06	-2.1600e-06
	-2.3300e-06	-1.4500e-06	-4.4900e-06	-1.2000e-05	-8.1500e-06
	-2.1900e-06	-2.0400e-06	-6.5000e-06	-6.8600e-06	-6.8100e-06
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	-1.2200e-05	-5.8800e-06	-1.6300e-05	-1.7500e-06	-2.4200e-06
	-1.6400e-06	-1.5300e-06	-3.9400e-06	-1.2300e-05	-8.7400e-06
	-2.4400e-06	-2.3200e-06	-6.7500e-06	-7.1200e-06	-7.2000e-06
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	-3.1600e-05	-7.4700e-06	-1.4700e-05	-1.8100e-06	-2.3400e-06
	-1.6800e-06	-1.7100e-06	-3.8800e-06	-1.3900e-05	-9.4200e-06
	-2.5800e-06	-2.4000e-06	-6.9200e-06	-7.2400e-06	-7.3100e-06
-0.53000	-0.13700	-1.6800	-0.00076400	-0.0032700	-0.0018400
	-3.2600e-05	-6.4600e-06	-1.8700e-05	-1.7800e-06	-2.6100e-06
	-1.8800e-06	-1.8600e-06	-4.1900e-06	-1.3700e-05	-9.7300e-06
	-2.5100e-06	-2.6000e-06	-7.2200e-06	-7.5400e-06	-7.3900e-06
-0.54000	-0.14600	-1.2500	-0.00092000	-0.0032800	-0.0018700
	-2.3900e-05	-5.0500e-06	-1.7600e-05	-1.9300e-06	-2.0800e-06
	-2.0900e-06	-1.9100e-06	-4.8100e-06	-1.7600e-05	-9.5900e-06
	-2.7000e-06	-2.6600e-06	-8.0000e-06	-7.6300e-06	-7.9000e-06
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	-1.7200e-05	-6.2400e-06	-1.8900e-05	-2.1200e-06	-2.3500e-06
	-2.2500e-06	-2.5800e-06	-5.4100e-06	-1.7600e-05	-9.8600e-06
	-2.9300e-06	-2.6200e-06	-8.4300e-06	-9.1000e-06	-7.7500e-06
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	-4.1400e-05	-6.3100e-06	-8.5300e-06	-2.1500e-06	-2.6000e-06
	-3.1700e-06	-2.7800e-06	-6.0300e-06	-1.8400e-05	-1.0400e-05
	-3.4900e-06	-2.5700e-06	-8.7900e-06	-8.8000e-06	-7.8900e-06
-0.57000	-0.16900	-1.6400	-0.0010400	-0.0037000	-0.0021900
	-2.4800e-05	-5.9400e-06	-9.4700e-06	-2.1900e-06	-5.2300e-06
	-2.1800e-06	-2.7900e-06	-5.4900e-06	-1.9800e-05	-1.1200e-05
	-2.8500e-06	-2.8400e-06	-9.6600e-06	-9.5600e-06	-7.0500e-06
-0.58000	-0.18700	-0.79500	-0.0020700	-0.0038500	-0.0022900

	-4.6900e-05	-6.3700e-06	-9.0800e-06	-2.3300e-06	-6.2800e-06
	-2.1900e-06	-3.1700e-06	-5.7800e-06	-1.9100e-05	-1.2000e-05
	-2.5200e-06	-2.9000e-06	-9.5500e-06	-9.2300e-06	-6.4200e-06
-0.59000	-0.19300	-0.92700	-0.0012600	-0.0040100	-0.0023400
	-3.7200e-05	-6.2900e-06	-1.3000e-05	-2.5200e-06	-3.3700e-06
	-2.1800e-06	-2.1600e-06	-5.2800e-06	-2.1400e-05	-1.1900e-05
	-3.6300e-06	-2.9400e-06	-9.6200e-06	-8.9900e-06	-7.9300e-06
-0.60000	-0.20400	-1.0800	-0.0014900	-0.0040300	-0.0025600
	-7.6800e-05	-8.1400e-06	-1.3900e-05	-2.7100e-06	-3.2700e-06
	-2.4300e-06	-2.1400e-06	-6.3700e-06	-1.9000e-05	-1.2300e-05
	-3.5500e-06	-2.9900e-06	-1.0500e-05	-9.9800e-06	-7.8100e-06
-0.61000	-0.21200	-1.2500	-0.0013000	-0.0043800	-0.0026400
	-4.4200e-05	-9.0400e-06	-1.3600e-05	-2.7700e-06	-3.7700e-06
	-2.7700e-06	-2.3000e-06	-6.6400e-06	-1.9600e-05	-1.2600e-05
	-3.5100e-06	-3.1900e-06	-1.0700e-05	-9.7900e-06	-8.6100e-06
-0.62000	-0.18900	-0.45200	-0.0023000	-0.0043700	-0.0025200
	-1.7900e-05	-9.9600e-06	-8.9000e-06	-2.8000e-06	-3.6000e-06
	-4.5800e-06	-1.9600e-06	-5.9000e-06	-1.9900e-05	-1.3200e-05
	-4.5300e-06	-3.5500e-06	-1.0800e-05	-9.7700e-06	-8.8800e-06
-0.63000	-0.21200	-1.2000	-0.0021600	-0.0045800	-0.0026600
	-2.7900e-05	-1.1300e-05	-1.3500e-05	-3.0400e-06	-3.7300e-06
	-4.6200e-06	-2.0300e-06	-6.4800e-06	-2.0400e-05	-1.4200e-05
	-3.6300e-06	-3.6400e-06	-1.1700e-05	-1.0400e-05	-8.5800e-06
-0.64000	-0.23100	-0.76700	-0.0016900	-0.0045500	-0.0030300
	-1.9400e-05	-1.0000e-05	-1.1700e-05	-3.0700e-06	-2.9300e-06
	-4.6400e-06	-2.0600e-06	-6.7700e-06	-2.3100e-05	-1.5000e-05
	-3.6400e-06	-3.5100e-06	-1.1900e-05	-1.1200e-05	-9.8500e-06
-0.65000	-0.23700	-0.25400	-0.0014500	-0.0045900	-0.0032400
	-8.8000e-06	-9.9900e-06	-1.4100e-05	-3.3400e-06	-3.7900e-06
	-5.6200e-06	-2.2200e-06	-9.0400e-06	-2.0600e-05	-1.5600e-05
	-4.6600e-06	-4.1200e-06	-1.2500e-05	-1.0500e-05	-1.1500e-05
-0.66000	-0.27800	-0.76200	-0.0015400	-0.0049900	-0.0032500
	-3.4800e-05	-1.1100e-05	-1.6800e-05	-3.3700e-06	-3.5700e-06
	-5.7500e-06	-2.2200e-06	-7.7200e-06	-2.4800e-05	-1.6100e-05
	-3.6200e-06	-4.0100e-06	-1.2500e-05	-1.1200e-05	-1.0400e-05
-0.67000	-0.28300	-1.1300	-0.0022400	-0.0052000	-0.0033400
	-3.0600e-05	-1.1100e-05	-1.5400e-05	-3.3800e-06	-4.0600e-06
	-5.0700e-06	-2.4900e-06	-7.3900e-06	-2.6200e-05	-1.5700e-05
	-3.6200e-06	-4.5600e-06	-1.5200e-05	-1.0900e-05	-1.2200e-05
-0.68000	-0.28100	-1.3300	-0.0029600	-0.0049300	-0.0033000
	-4.7900e-05	-1.2300e-05	-2.0300e-05	-3.4900e-06	-3.7400e-06
	-4.9400e-06	-2.4500e-06	-9.4100e-06	-2.5000e-05	-1.6100e-05
	-3.8100e-06	-4.8200e-06	-1.4400e-05	-1.1600e-05	-1.3100e-05
-0.69000	-0.27500	-1.5700	-0.0030200	-0.0053900	-0.0033600
	-3.0600e-05	-1.3400e-05	-2.3200e-05	-3.5600e-06	-4.2900e-06
	-6.0400e-06	-2.7200e-06	-1.0200e-05	-2.3800e-05	-1.6300e-05
	-3.8200e-06	-4.5400e-06	-1.4100e-05	-1.3500e-05	-1.3100e-05
-0.70000	-0.28700	-1.3000	-0.0018900	-0.0056400	-0.0035400
	-1.4800e-05	-1.4600e-05	-2.4000e-05	-4.1500e-06	-3.5200e-06
	-7.3900e-06	-3.9200e-06	-9.6300e-06	-2.7400e-05	-1.6800e-05
	-4.2300e-06	-5.0700e-06	-1.3800e-05	-1.3600e-05	-1.3600e-05
-0.71000	-0.30000	-0.50200	-0.0017500	-0.0057400	-0.0036500
	-2.3500e-05	-1.5300e-05	-2.3700e-05	-3.9300e-06	-3.5000e-06
	-6.2800e-06	-4.4100e-06	-9.0400e-06	-2.8900e-05	-1.6900e-05
	-4.2600e-06	-5.4800e-06	-1.3300e-05	-1.2900e-05	-1.4300e-05
-0.72000	-0.31100	-0.51800	-0.0020200	-0.0058900	-0.0039800
	-2.5400e-05	-1.2700e-05	-2.0000e-05	-4.0000e-06	-3.7100e-06
	-6.7500e-06	-5.0700e-06	-9.4800e-06	-3.0700e-05	-1.8700e-05
	-4.8400e-06	-5.4500e-06	-1.3500e-05	-1.3000e-05	-1.3700e-05
-0.73000	-0.32300	-1.7300	-0.0020200	-0.0061700	-0.0041300
	-3.4300e-05	-1.8900e-05	-2.6700e-05	-4.4900e-06	-3.8200e-06
	-6.5800e-06	-5.0800e-06	-1.0400e-05	-3.2200e-05	-1.8300e-05
	-4.9900e-06	-5.8500e-06	-1.2400e-05	-1.2700e-05	-1.4300e-05
-0.74000	-0.32500	-0.51400	-0.0019100	-0.0062800	-0.0044900

	-2.1500e-05	-1.8400e-05	-2.3000e-05	-4.2100e-06	-3.9800e-06
	-6.7700e-06	-4.4500e-06	-1.0200e-05	-2.8900e-05	-1.7200e-05
	-4.5800e-06	-6.0900e-06	-1.2600e-05	-1.4600e-05	-1.5400e-05
-0.75000	-0.34400	-0.65800	-0.0022700	-0.0059700	-0.0042600
	-3.9800e-05	-2.1700e-05	-2.3300e-05	-4.3600e-06	-4.8300e-06
	-6.9100e-06	-4.7800e-06	-9.6200e-06	-2.7400e-05	-1.8400e-05
	-4.8800e-06	-5.8300e-06	-1.2900e-05	-1.3800e-05	-1.5900e-05
-0.76000	-0.34200	-1.4100	-0.0030900	-0.0062500	-0.0043300
	-3.1600e-05	-1.9600e-05	-2.4500e-05	-4.5700e-06	-4.7700e-06
	-6.8600e-06	-5.1100e-06	-9.0200e-06	-2.5500e-05	-1.9500e-05
	-7.5300e-06	-6.1400e-06	-1.3300e-05	-1.4800e-05	-1.7100e-05
-0.77000	-0.36500	-1.1100	-0.0033300	-0.0062800	-0.0047400
	-2.5200e-05	-1.9300e-05	-2.9800e-05	-4.5600e-06	-4.6500e-06
	-7.6100e-06	-5.2500e-06	-9.2900e-06	-2.3200e-05	-2.1100e-05
	-4.7400e-06	-6.0800e-06	-1.4400e-05	-1.6400e-05	-1.7600e-05
-0.78000	-0.36500	-1.4600	-0.0029600	-0.0066900	-0.0047900
	-5.0400e-05	-2.4000e-05	-3.5700e-05	-5.5000e-06	-4.7700e-06
	-8.3000e-06	-5.6300e-06	-9.2100e-06	-2.6700e-05	-1.9300e-05
	-4.9800e-06	-6.4800e-06	-1.4000e-05	-1.6600e-05	-1.8600e-05
-0.79000	-0.37400	-1.8500	-0.0034600	-0.0070000	-0.0046500
	-3.4500e-05	-3.0300e-05	-1.0300e-05	-4.8700e-06	-5.0800e-06
	-8.2800e-06	-4.9200e-06	-1.0200e-05	-2.7300e-05	-2.8000e-05
	-5.6500e-06	-6.8200e-06	-1.3700e-05	-1.5200e-05	-1.9900e-05
-0.80000	-0.38200	-1.0300	-0.0032500	-0.0068200	-0.0047900
	-4.7000e-05	-3.3100e-05	-1.2700e-05	-5.2800e-06	-5.0100e-06
	-9.0500e-06	-5.0300e-06	-1.0100e-05	-2.7800e-05	-2.1900e-05
	-5.9700e-06	-7.5100e-06	-1.4000e-05	-1.6800e-05	-2.0000e-05
-0.81000	-0.39200	-0.32900	-0.0029400	-0.0070100	-0.0048000
	-6.0800e-05	-2.8700e-05	-1.5900e-05	-5.2400e-06	-4.9300e-06
	-9.3900e-06	-3.8200e-06	-9.9200e-06	-3.0000e-05	-2.1600e-05
	-8.6300e-06	-7.1600e-06	-1.5000e-05	-1.7000e-05	-1.9900e-05
-0.82000	-0.43000	-0.61100	-0.0046000	-0.0067600	-0.0049700
	-2.7300e-05	-3.5500e-05	-1.4400e-05	-5.4700e-06	-5.7300e-06
	-9.6100e-06	-4.6000e-06	-1.0100e-05	-3.3600e-05	-2.2300e-05
	-7.1000e-06	-7.9700e-06	-2.0000e-05	-1.6800e-05	-2.0300e-05
-0.83000	-0.45300	-1.4500	-0.0032800	-0.0070500	-0.0047600
	-5.6200e-05	-3.3600e-05	-1.3100e-05	-6.0800e-06	-6.3300e-06
	-1.0100e-05	-4.6500e-06	-1.1400e-05	-4.4700e-05	-1.6200e-05
	-7.4500e-06	-7.9600e-06	-1.9300e-05	-1.7200e-05	-2.3600e-05
-0.84000	-0.42700	-0.80400	-0.0037000	-0.0069400	-0.0050400
	-3.8700e-05	-4.3600e-05	-1.2300e-05	-5.3400e-06	-7.1500e-06
	-1.3100e-05	-5.1300e-06	-1.1300e-05	-4.5400e-05	-1.7300e-05
	-8.3600e-06	-8.2200e-06	-2.0700e-05	-1.7000e-05	-2.8300e-05
-0.85000	-0.43800	-0.99900	-0.0033200	-0.0069300	-0.0053500
	-2.5600e-05	-4.3000e-05	-2.1000e-05	-6.1500e-06	-6.2600e-06
	-1.2600e-05	-6.7000e-06	-1.2100e-05	-4.3900e-05	-1.6300e-05
	-7.9300e-06	-8.6500e-06	-2.1200e-05	-1.7900e-05	-2.9200e-05
-0.86000	-0.44700	-1.1900	-0.0032200	-0.0071800	-0.0054100
	-4.3500e-05	-4.5000e-05	-2.4300e-05	-5.8200e-06	-7.3600e-06
	-1.1200e-05	-5.6600e-06	-1.2100e-05	-4.5700e-05	-1.6000e-05
	-1.3800e-05	-8.6200e-06	-2.6000e-05	-1.9000e-05	-2.9800e-05
-0.87000	-0.46200	-1.4300	-0.0055900	-0.0072800	-0.0057400
	-7.3800e-05	-4.2300e-05	-1.9800e-05	-7.0600e-06	-8.5900e-06
	-8.3200e-06	-7.3800e-06	-1.3100e-05	-4.6700e-05	-1.6400e-05
	-1.5000e-05	-8.6700e-06	-3.1800e-05	-1.8900e-05	-3.4300e-05
-0.88000	-0.47800	-1.6200	-0.0043500	-0.0082300	-0.0059400
	-4.0600e-05	-4.4500e-05	-3.1100e-05	-7.4700e-06	-1.7400e-05
	-8.3000e-06	-7.5700e-06	-1.2500e-05	-4.3000e-05	-1.7300e-05
	-1.6300e-05	-1.1000e-05	-2.6900e-05	-2.0000e-05	-3.7500e-05
-0.89000	-0.48500	-0.40600	-0.0048200	-0.0067500	-0.0054700
	-7.3600e-05	-5.9500e-05	-3.1700e-05	-7.7600e-06	-1.9900e-05
	-8.4200e-06	-6.2600e-06	-1.2300e-05	-4.2200e-05	-1.6500e-05
	-1.6800e-05	-1.1500e-05	-2.6600e-05	-2.1300e-05	-3.7000e-05
-0.90000	-0.49700	-1.5000	-0.0035000	-0.0075400	-0.0058600

	-8.9600e-05	-4.0600e-05	-3.0300e-05	-8.5500e-06	-1.9600e-05
	-9.5300e-06	-1.6900e-05	-1.3200e-05	-4.3400e-05	-1.7100e-05
	-1.8200e-05	-1.1900e-05	-2.4200e-05	-2.0600e-05	-3.6600e-05
-0.91000	-0.48700	-1.3800	-0.0035500	-0.0071600	-0.0058100
	-7.2600e-05	-5.2700e-05	-3.3200e-05	-8.3700e-06	-2.0500e-05
	-9.7200e-06	-9.4900e-06	-1.6600e-05	-4.5300e-05	-1.8800e-05
	-1.9100e-05	-1.3200e-05	-3.4200e-05	-2.0100e-05	-3.6300e-05
-0.92000	-0.48500	-0.59100	-0.0044800	-0.0078600	-0.0058900
	-4.7700e-05	-7.4900e-05	-3.9200e-05	-8.9700e-06	-2.0800e-05
	-1.3100e-05	-1.2100e-05	-1.5000e-05	-4.9200e-05	-1.9200e-05
	-2.3400e-05	-1.2600e-05	-4.3600e-05	-2.1400e-05	-3.9600e-05
-0.93000	-0.50600	-1.9400	-0.0048000	-0.0078200	-0.0062300
	-6.4700e-05	-5.3200e-05	-4.5500e-05	-9.3100e-06	-2.2300e-05
	-1.3300e-05	-1.2300e-05	-1.6900e-05	-4.3000e-05	-2.1400e-05
	-3.0100e-05	-1.1000e-05	-4.3400e-05	-2.0900e-05	-3.8800e-05
-0.94000	-0.49800	-2.4400	-0.0041000	-0.0079000	-0.0058300
	-4.1600e-05	-4.2200e-05	-3.9300e-05	-1.6800e-05	-2.4000e-05
	-1.0600e-05	-1.3900e-05	-2.0000e-05	-4.4400e-05	-1.9900e-05
	-3.0400e-05	-1.2200e-05	-4.6600e-05	-2.3700e-05	-5.5700e-05
-0.95000	-0.57100	-1.0500	-0.0047000	-0.0083600	-0.0061700
	-4.9500e-05	-4.3300e-05	-4.6200e-05	-1.3000e-05	-2.5800e-05
	-1.0400e-05	-1.3700e-05	-2.3400e-05	-4.5300e-05	-1.8800e-05
	-1.9300e-05	-1.4000e-05	-4.3200e-05	-2.4400e-05	-5.2700e-05
-0.96000	-0.54200	-2.2600	-0.0057500	-0.0077000	-0.0062700
	-2.7000e-05	-4.9400e-05	-4.9600e-05	-1.4000e-05	-2.5200e-05
	-1.0300e-05	-1.3700e-05	-2.3100e-05	-4.7700e-05	-2.0300e-05
	-1.3800e-05	-1.3700e-05	-3.6200e-05	-2.5900e-05	-6.6200e-05
-0.97000	-0.55900	-1.8900	-0.0053200	-0.0082100	-0.0065800
	-1.7200e-05	-5.9500e-05	-5.3500e-05	-1.4600e-05	-2.7700e-05
	-1.0400e-05	-1.6300e-05	-2.2200e-05	-4.7600e-05	-2.1600e-05
	-1.7600e-05	-1.4100e-05	-3.8200e-05	-2.5400e-05	-6.7500e-05
-0.98000	-0.60000	-2.7000	-0.0049000	-0.0088400	-0.0066400
	-2.1200e-05	-5.5500e-05	-6.8600e-05	-1.4700e-05	-2.5000e-05
	-1.2300e-05	-1.6100e-05	-2.3200e-05	-4.0100e-05	-1.9400e-05
	-3.2800e-05	-1.6000e-05	-3.9400e-05	-2.6500e-05	-6.6600e-05
-0.99000	-0.59400	-0.30800	-0.0053700	-0.0091400	-0.0069600
	-2.4600e-05	-6.5800e-05	-7.4800e-05	-1.3600e-05	-2.8700e-05
-	1.1900e-05	-1.6100e-05	-2.3700e-05	-4.4000e-05	-2.2200e-05
	-3.0200e-05	-1.5900e-05	-3.5700e-05	-2.6400e-05	-8.0800e-05
-1.0000	-0.58000	-2.4800	-0.0060100	-0.0090300	-0.0070000
	-2.0000e-05	-6.2700e-05	-7.0100e-05	-1.3900e-05	-3.0600e-05
	-1.4000e-05	-1.8300e-05	-2.3000e-05	-4.6000e-05	-2.2400e-05
	-2.3700e-05	-1.5100e-05	-4.0500e-05	-3.0000e-05	-9.3200e-05

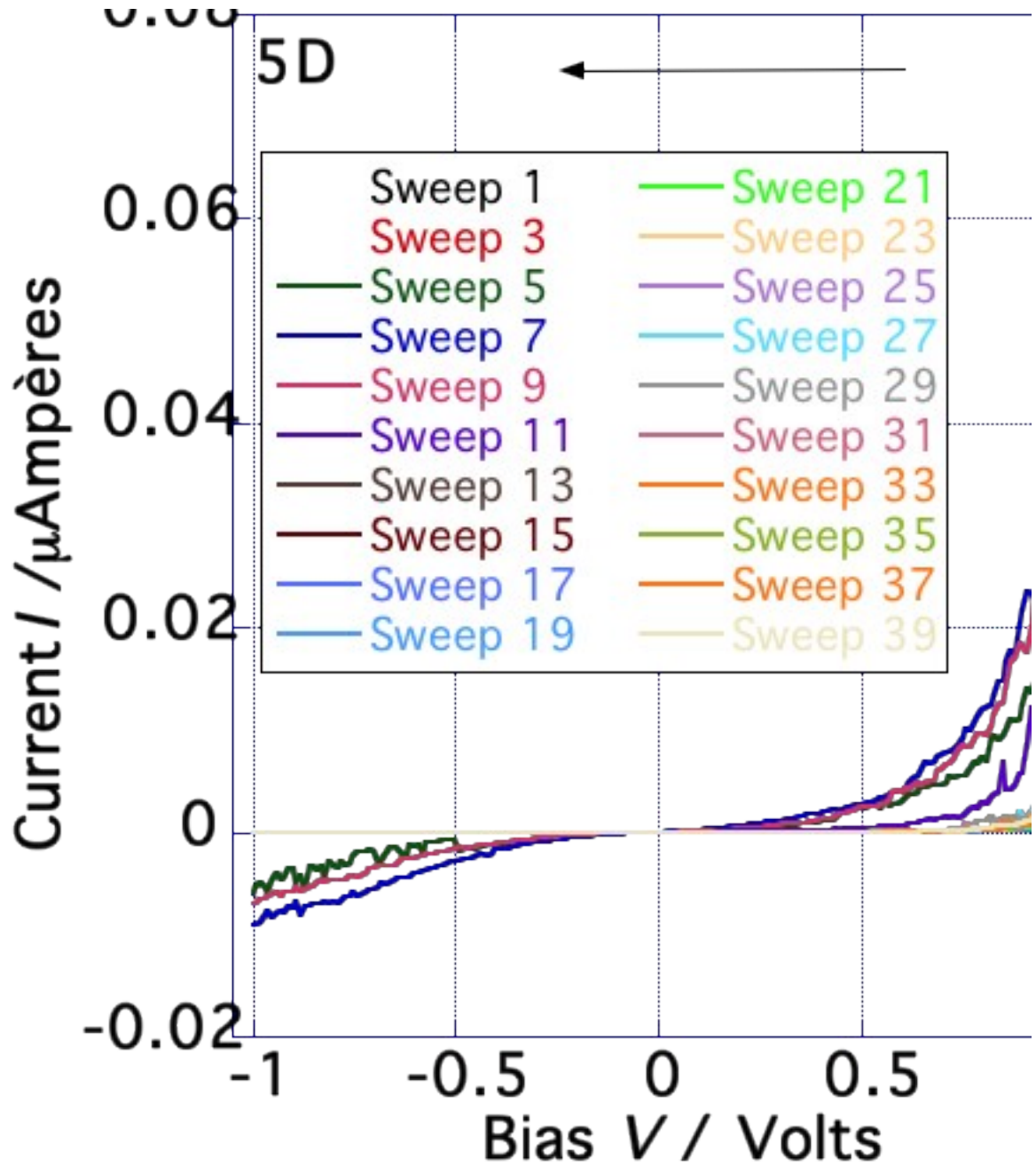


Fig. 5D. Sandwich#2.P.to.N.IV.

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Fig.5E. Sandwich#2. P.to.N. $\log_{10}I$ /.vs.V. data: take the logs of the currents for Figure 5D.

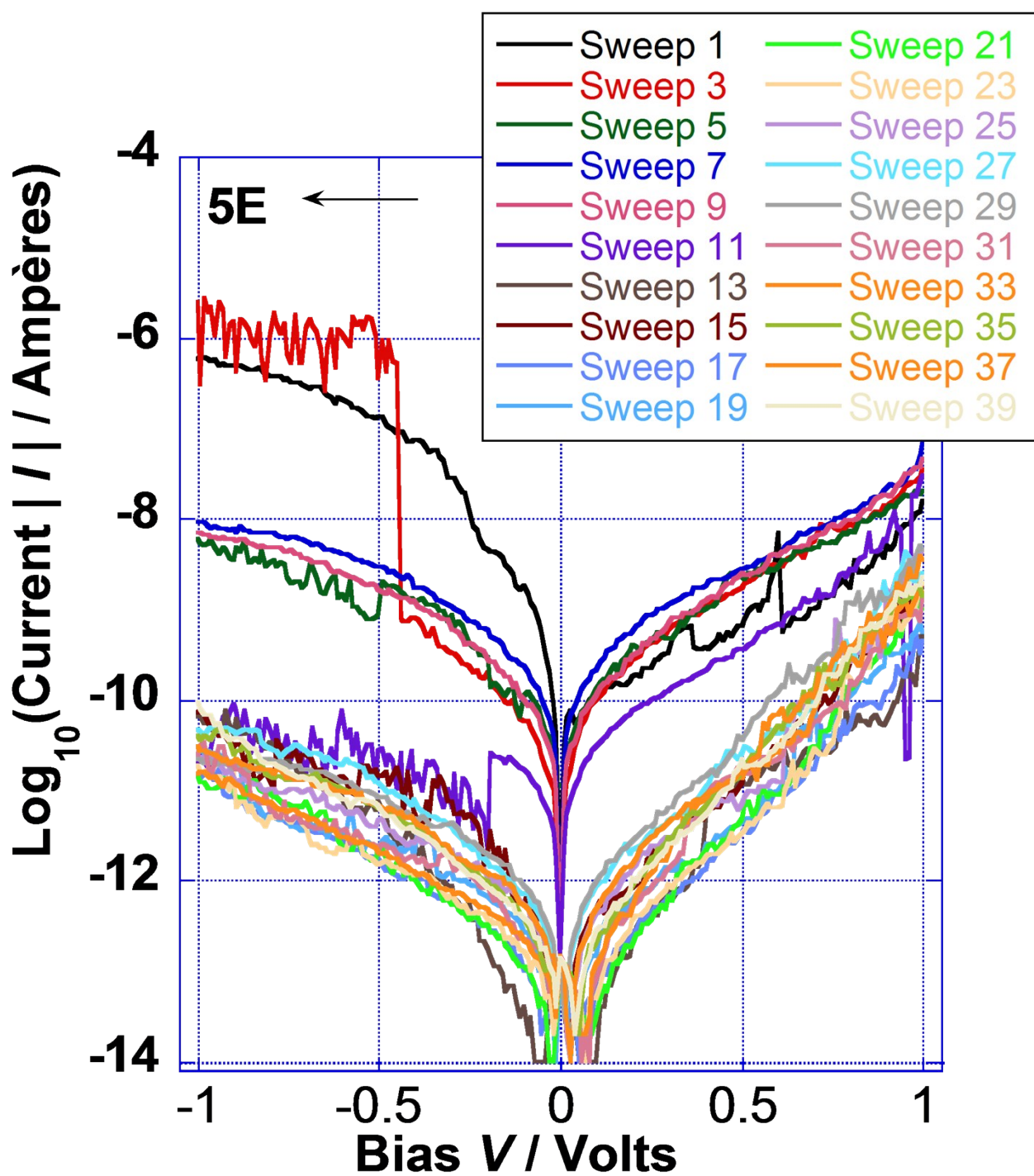


Fig. 5E. Sandwich#2.P.to.N.log(10) I . vs. V .

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Fig. 5F. Sandwich#2.P.to.N.rectification. ratios. DataFirst column: Voltage V (Volts) All other columns: rectification ratio $RR(V) = I(V) / (I(-V))$

Voltage	Sweep 1 Sweep 11 Sweep 21 Sweep 31	Sweep 3 Sweep 13 Sweep 23 Sweep 33	Sweep 5 Sweep 15 Sweep 25 Sweep 35	Sweep 7 Sweep 17 Sweep 27 Sweep 37	Sweep 9 Sweep 19 Sweep 29 Sweep 39
1.0000	0.026111 1465.1 2.246 53.88	0.014396 7.7466 102.31 98.515	3.3992 26.630 195.01 33.349	7.2655 32.298 54.881 114.08	6.4243 18.028 203.97 24.407
0.99000	0.019691 997.89 89.621 24.392	0.090327 7.4578 111.85 119.76	3.3630 17.809 165.66 46.999	5.1611 23.903 49.637 142.85	5.3443 23.616 226.08 22.812
0.98000	0.018979 810.23 142.18 28.780	0.0095010 2.5708 70.720 82.572	4.1870 20.261 142.16 43.727	3.9998 34.784 49.384 83.861	5.6748 21.574 198.47 27.091
0.97000	0.017425 1069.1 88.458 48.207	0.013510 3.1165 56.107 74.272	3.2909 20.839 162.92 39.492	4.2977 18.027 42.044 86.778	4.8876 18.359 108.93 21.361
0.96000	0.015480 0.86481 85.047 63.369	0.010774 3.5473 59.104 63.605	3.0212 24.247 148.88 37.047	4.2526 20.739 74.212 106.30	5.0776 14.255 172.82 28.261
0.95000	0.015359 0.43481 78.677 44.676	0.021682 5.0763 53.246 93.974	3.7953 21.222 85.443 27.949	3.1631 13.543 96.790 72.201	4.9683 15.510 139.65 26.812
0.94000	0.015482 179.69 46.544 26.472	0.0073315 3.2324 42.288 87.344	4.0849 18.173 79.052 25.608	2.9718 10.973 59.284 69.865	4.2294 13.13 111.40 26.453
0.93000	0.013718 128.11 42.721 28.647	0.0085783 1.7213 60.562 87.277	3.0337 24.349 111.47 29.454	2.9171 25.024 55.535 92.420	3.7200 14.455 64.82 38.759
0.92000	0.011038 253.42 31.501 28.887	0.026525 1.2214 98.839 48.148	3.0213 30.219 126.54 28.159	2.9488 16.949 38.341 59.495	3.4051 15.521 79.792 28.890
0.91000	0.0091658 115.89 37.382 34.214	0.010694 1.3855 77.813 40.049	3.9590 20.074 84.663 26.505	3.2966 14.570 26.390 59.423	3.0307 14.636 68.090 27.519
0.90000	0.010063 63.305 33.312 30.609	0.0089474 1.4491 58.654 54.009	3.5520 16.837 122.46 36.956	2.8648 14.577 35.241 46.712	3.1097 20.094 76.029 23.924
0.89000	0.0075157 78.987 45.496 28.862	0.034048 0.85229 85.302 32.522	2.2971 14.779 38.573 31.840	3.0208 13.951 46.646 40.413	3.3690 11.661 76.850 20.059
0.88000	0.0087844 112.61 38.066 21.235	0.0068611 1.2158 62.832 52.245	2.4477 13.531 22.816 26.950	2.1181 10.901 26.693 42.528	2.8682 12.837 88.850 18.543
0.87000	0.0084860 57.014 32.483 23.382	0.0083756 1.6280 57.007 66.412	1.9732 19.780 48.675 18.726	2.4329 12.561 21.678 40.047	2.8865 23.368 59.464 18.077

0.86000	0.0065109	0.0089985	3.0625	2.3171	2.6052
	95.704	1.3161	18.477	15.902	23.628
	21.406	62.587	34.597	15.328	100.22
	25.007	49.484	24.685	39.378	23.383
0.85000	0.0066251	0.0097978	2.8336	2.1401	2.3495
	268.31	1.2099	17.148	15.161	24.644
	17.949	33.742	30.879	13.573	84.192
	35.805	70.135	27.097	51.018	21.470
0.84000	0.0059039	0.011331	2.4030	2.1281	2.4886
	100.83	1.3564	22.788	16.144	22.690
	17.860	55.018	29.756	11.470	66.445
	27.770	50.702	27.456	32.738	20.322
0.83000	0.0057202	0.0064407	2.8986	1.8968	2.3951
	66.002	1.7129	22.293	13.783	26.954
	18.066	35.490	35.713	5.9644	57.142
	24.058	30.901	20.754	35.453	24.143
0.82000	0.0059315	0.017809	1.9850	1.8452	2.0766
	124.51	1.9071	30.128	15.870	26.557
	16.690	37.237	33.810	6.8142	69.915
	23.324	29.842	18.711	28.297	18.198
0.81000	0.0088504	0.024691	2.3173	1.7380	1.9850
	43.667	1.8395	20.503	14.805	24.716
	15.678	37.853	30.265	10.398	52.042
	16.856	39.024	25.237	23.209	17.383
0.80000	0.0045795	0.0083312	2.2589	1.7668	2.0322
	60.634	1.4357	20.078	9.8636	21.906
	14.386	33.010	26.429	10.296	52.386
	26.258	37.847	23.683	22.274	17.516
0.79000	0.0051249	0.0043039	1.9448	1.6113	2.0930
	63.479	2.5646	17.850	8.6407	19.372
	16.855	38.024	26.323	16.244	55.957
	14.050	33.944	15.687	20.785	13.536
0.78000	0.0059261	0.0053741	2.3619	1.6156	1.9253
	50.355	1.7121	5.0373	10.624	18.350
	13.895	30.840	23.277	13.727	35.874
	17.131	31.191	14.168	25.644	15.724
0.77000	0.0052172	0.0065616	1.8642	1.5665	1.7391
	91.820	2.3444	5.2487	7.9408	21.890
	11.168	12.164	66.746	15.073	32.842
	19.783	37.992	9.8802	19.905	11.177
0.76000	0.0049442	0.0053572	1.7435	1.6139	1.9204
	56.131	1.5575	4.7214	12.877	10.654
	10.274	9.4971	86.254	10.450	17.849
	11.279	27.774	11.631	18.212	10.691
0.75000	0.0039201	0.012326	2.4561	1.5275	2.0062
	36.452	1.3444	4.4121	6.8532	7.9627
	10.082	6.9749	28.891	7.2541	17.023
	17.434	27.352	9.8470	19.626	11.551
0.74000	0.0041857	0.017001	2.8385	1.3359	1.8097
	64.794	1.4201	3.8976	6.6651	9.6834
	6.8818	6.6337	20.595	6.5937	18.359
	16.627	24.118	11.919	13.389	11.967
0.73000	0.0039700	0.0047530	2.6383	1.3180	1.7158
	42.037	1.6127	4.1453	6.0757	10.382
	6.6170	4.8287	16.595	4.4370	16.432
	14.407	22.303	19.873	14.074	13.290
0.72000	0.0041129	0.016769	2.7163	1.3065	1.6956
	52.394	2.1404	4.5453	13.133	9.6981
	6.4133	4.7791	20.249	4.3220	14.653
	13.217	29.103	11.818	12.006	9.1509
0.71000	0.0034288	0.014375	2.7440	1.3732	1.8082
	68.032	1.7983	3.5576	6.4071	7.2257
	4.4076	5.6825	10.532	3.1839	15.179
	13.249	17.527	16.306	14.737	7.2091

0.70000	0.0034084	0.0043739	2.4698	1.3553	1.7696
	84.593	1.6669	2.8293	4.0843	37.187
	4.0555	7.2423	10.273	3.4003	12.432
	13.939	15.105	9.5051	7.5062	6.2098
0.69000	0.0036497	0.0032832	1.4798	1.3517	1.7423
	40.569	1.6070	2.4748	4.7191	8.3473
	4.8030	8.0000	10.959	3.2104	14.099
	11.921	12.595	8.4787	8.6605	6.5567
0.68000	0.0030776	0.0037386	1.5048	1.4085	1.5513
	24.954	2.3461	2.2568	5.1834	13.802
	4.3765	6.4571	9.5027	3.1742	11.666
	10.257	9.1618	5.8794	9.2778	6.2215
0.67000	0.0027263	0.0031758	2.0024	1.2868	1.4729
	42.676	2.3635	3.0695	3.8964	11.862
	3.8067	5.8353	10.869	2.4589	9.6109
	11.290	8.6053	7.9487	9.6029	5.2566
0.66000	0.0026874	0.0054847	2.7876	1.3808	1.4683
	29.263	1.8688	3.3854	3.6766	12.011
	2.7078	7.4279	11.995	2.8623	10.425
	9.8978	10.898	6.2055	7.4432	5.3224
0.65000	0.0032459	0.015634	3.0940	1.3131	1.4298
	116.23	1.8078	3.7074	3.1647	9.9077
	2.8007	4.9595	8.3827	3.5702	12.195
	7.1631	10.228	5.8961	7.1449	4.4534
0.64000	0.0034073	0.0049301	2.2385	1.2267	1.5546
	44.949	1.8086	3.3516	3.3388	5.0819
	3.3491	10.073	8.5805	3.3491	10.386
	7.4890	9.9117	7.3004	6.1644	4.6355
0.63000	0.0031173	0.0030412	1.6285	1.1387	1.7437
	31.903	1.6561	2.8016	3.2763	3.1689
	2.5730	6.2709	9.5370	2.5810	17.542
	8.7824	8.6181	6.8463	5.5226	4.5536
0.62000	0.0033715	0.0073039	1.5312	1.0793	1.6600
	44.086	2.6928	4.1135	3.1750	4.7861
	2.4869	5.0612	5.8915	2.9317	10.088
	6.5430	9.4986	5.3389	6.2641	4.1689
0.61000	0.0026298	0.0023864	2.6450	0.97585	1.6106
	14.610	2.4414	2.2680	3.6173	3.0981
	3.4152	2.8783	1.8539	2.2460	11.455
	7.1111	10.884	4.2777	7.9346	3.4750
0.60000	0.033635	0.0026770	1.9929	0.93207	1.4840
	8.8916	2.5823	2.1268	3.5720	3.0428
	3.5967	3.0234	1.9121	2.2315	9.9911
	6.2732	8.6722	4.9421	6.9529	3.9962
0.59000	0.013372	0.0032910	2.1367	0.93602	1.7380
	17.340	2.6693	2.3018	3.6151	2.5371
	4.0642	2.9954	2.3712	1.9112	9.4451
	5.6501	8.7823	4.6008	7.5673	3.4741
0.58000	0.010397	0.0036637	1.3313	0.98157	1.6629
	13.278	2.7551	2.6751	3.0472	1.5096
	4.1781	1.9748	2.0519	2.4159	8.7090
	7.8929	7.8207	3.9717	6.6056	3.9673
0.57000	0.0072436	0.0016698	2.4107	0.95842	1.4762
	24.302	3.4848	2.1510	2.7626	1.2237
	3.8211	2.5054	2.0273	2.0769	8.9991
	7.9053	6.7183	3.5745	4.7950	3.0610
0.56000	0.0074737	0.0019333	2.9482	0.98369	1.2781
	13.517	2.5880	2.3787	2.4465	3.1577
	3.2177	2.1835	1.7728	1.9859	7.2152
	6.5845	7.4747	3.5449	6.2364	2.6236
0.55000	0.0062230	0.0015098	2.6375	0.98048	1.3121
	31.876	2.3221	1.0371	2.6651	2.5830
	3.8978	1.8256	1.9649	1.5434	7.0183
	6.6007	7.0992	3.3144	2.6385	2.4568

0.54000	0.0076425	0.0018687	3.0979	0.98817	1.3153
	20.998	3.0059	0.95618	2.3679	2.6058
	3.0431	2.4712	1.9293	1.3552	6.8321
	6.6963	4.8421	3.0350	3.0026	2.4190
0.53000	0.0076659	0.0012599	3.1693	0.88422	1.3553
	13.045	2.2446	0.82070	2.0899	1.7701
	2.7074	2.1935	2.3103	1.8761	6.1233
	6.3745	6.7654	3.4266	2.9350	2.5399
0.52000	0.0068508	0.0012895	3.1812	0.94187	1.2886
	12.802	1.5515	1.2715	1.8398	2.0427
	4.3155	2.5322	2.4510	2.0382	4.8673
	5.9031	7.7875	2.9942	2.5014	2.5390
0.51000	0.0060168	0.0018190	2.6871	0.92783	1.3404
	29.710	1.9949	1.0301	2.0800	1.9132
	4.0915	2.2549	2.0863	2.4655	4.5092
	6.2705	6.9095	2.6133	2.5211	2.4653
0.50000	0.0047687	0.0048336	2.7108	0.94251	1.5616
	13.157	1.7357	0.86705	1.8427	1.9583
	2.0215	2.2828	1.5390	2.1112	4.3890
	7.2009	6.5098	2.5738	2.1837	3.1703
0.49000	0.0048399	0.0017727	1.3009	0.89788	1.4019
	12.694	2.0255	0.71716	2.0616	1.4982
	1.7597	1.8861	1.2459	1.9624	4.6422
	6.8876	7.3915	2.2691	2.2808	2.9671
0.48000	0.0049979	0.0037524	1.2056	0.90089	1.4506
	18.711	1.8400	0.54713	1.9764	1.3140
	2.2442	1.6364	2.0323	2.5046	3.4198
	5.9504	6.4901	2.1650	2.2320	3.0279
0.47000	0.0049971	0.0015399	1.4506	0.94881	1.1860
	12.313	2.7167	0.84813	1.9924	1.4733
	2.3793	2.0823	2.5351	2.9806	3.4308
	6.3244	6.6923	1.9067	2.0324	2.0914
0.46000	0.0056971	0.0026408	1.2448	0.86850	1.2684
	13.503	3.2617	0.53147	2.1880	1.3256
	2.3636	1.8561	2.0780	2.7665	3.2167
	5.7904	7.0349	2.1534	1.9367	1.9666
0.45000	0.0050384	0.0025499	1.0315	0.86726	1.2499
	26.607	4.6337	0.46083	1.9735	1.5517
	1.8452	1.6241	2.4864	2.3460	2.9730
	6.4922	5.9543	2.1657	2.0074	2.1746
0.44000	0.0058069	1.6789	0.91406	0.96426	1.1260
	11.053	4.3204	0.52007	2.1980	1.3393
	1.2841	1.5037	2.6806	1.9755	2.9704
	6.2663	7.3553	1.9280	1.8721	2.1650
0.43000	0.0051733	1.6751	0.77549	0.99453	1.0295
	55.681	4.2462	1.2004	2.0396	1.4928
	1.8584	1.4882	2.5660	2.2143	2.5426
	7.2367	7.0068	2.3386	1.9589	2.0929
0.42000	0.0057579	1.6062	0.80290	0.88985	1.0313
	16.159	2.4318	0.40645	1.3361	1.1384
	1.8261	1.5984	2.7008	2.0383	3.0758
	6.0795	5.5524	1.9065	1.9610	1.7772
0.41000	0.0051635	1.3823	0.80346	0.94035	1.0803
	8.1804	2.5587	0.75351	1.4828	1.1435
	2.3107	1.5447	2.0926	1.7278	3.1967
	5.1421	7.2698	1.7282	1.7524	1.5013
0.40000	0.0050624	1.2917	0.81217	1.0679	1.0019
	17.099	2.0688	0.97418	1.2736	1.3722
	1.9450	1.6847	2.1308	1.3485	2.9663
	2.9111	6.2143	1.6379	1.8927	1.5494
0.39000	0.0048418	1.2954	0.75513	1.0021	1.1304
	13.473	0.89637	1.0529	1.0508	0.48333
	2.0889	1.2951	1.7835	1.4341	2.9403
	3.1859	6.4087	1.6310	1.8735	1.4590

0.38000	0.0051350	1.2949	0.79947	0.97365	0.97752
	18.853	0.64286	1.3333	1.0481	0.57241
	2.0000	1.3109	1.8667	1.3961	2.3808
	3.1871	5.8279	1.6082	2.0051	1.3674
0.37000	0.0060294	1.7551	0.76755	1.0229	0.98061
	8.3721	1.0147	0.65997	1.0693	0.51692
	2.1299	1.2818	1.7472	1.3020	2.6222
	2.7483	5.3451	1.6951	2.0194	1.3973
0.36000	0.011829	1.7934	0.83691	0.94939	0.97416
	8.9256	0.80153	0.96809	1.2533	0.47321
	2.2394	1.2368	1.5590	1.2220	2.5145
	2.7050	5.6792	1.6467	2.0088	1.2837
0.35000	0.011248	1.3684	0.69838	1.0026	1.0759
	7.8412	0.85437	0.34909	1.3971	0.56727
	1.7143	1.2647	1.4147	1.0553	2.3825
	3.0068	4.7634	1.7568	2.1223	1.3446
0.34000	0.011134	1.7696	0.64580	1.0956	1.0367
	9.2895	0.78788	0.36172	1.3692	1.2975
	1.6782	1.2778	1.6537	1.1811	2.2929
	1.3200	5.3444	1.5189	2.1172	1.2958
0.33000	0.012220	1.8975	0.76319	1.0531	1.0365
	16.785	0.67227	0.25445	1.2222	1.4522
	1.5789	1.1977	1.4529	1.1368	2.3534
	1.1492	4.2250	1.6867	2.2257	1.5688
0.32000	0.013424	1.8401	0.58800	1.0323	1.0379
	21.605	0.78723	0.26937	1.2131	1.2273
	1.9655	1.3973	1.4783	1.1312	1.9540
	0.86667	3.6420	1.4957	1.9482	1.2783
0.31000	0.016701	1.9464	0.66993	1.0882	1.0566
	13.072	0.74419	0.38981	1.0952	1.0855
	0.95238	1.2698	1.4065	1.1514	1.4645
	0.71359	3.4026	1.3099	2.0042	1.3690
0.30000	0.011699	1.7950	0.56088	1.0362	1.1770
	19.573	0.88372	0.38179	1.0156	1.1880
	1.2222	1.2817	1.4019	1.1867	1.5047
	0.91724	2.4487	1.4822	2.2081	1.4795
0.29000	0.011413	1.5934	0.73963	1.0459	1.0738
	7.8490	1.0645	0.44963	1.0000	1.3398
	0.77049	1.2381	1.7193	1.1746	1.3909
	0.95349	2.3662	1.4270	2.3905	1.3987
0.28000	0.012937	1.6749	0.68421	1.0245	0.96759
	28.135	1.1754	0.41379	0.98148	1.2200
	1.0816	1.3148	1.4286	1.2403	1.4603
	0.73381	2.2740	1.3257	2.1353	1.3000
0.27000	0.013707	1.8217	0.86086	1.1118	1.1537
	7.7292	0.90909	0.37478	1.0189	1.0408
	1.0455	1.1961	1.4088	1.2349	1.9119
	0.75362	2.4783	1.4653	2.1242	1.3206
0.26000	0.013799	1.6829	0.89842	1.1204	1.1732
	8.0490	1.2045	0.44421	1.0851	0.91919
	1.0714	1.0755	1.7234	1.5519	1.4708
	0.76800	2.0462	1.2200	1.8727	1.2109
0.25000	0.017915	1.8125	1.0480	1.1905	1.0936
	9.2335	0.85965	0.34186	0.93333	0.92135
	1.0000	1.3488	1.8880	1.3429	1.4885
	0.70435	2.0690	1.2985	1.9145	1.1810
0.24000	0.026450	2.0359	1.0765	1.1930	1.0363
	24.011	1.1667	0.34440	0.95000	0.92045
	0.84615	1.0909	1.3041	1.3486	1.4007
	0.66364	1.8644	1.1016	1.8582	1.2321
0.23000	0.030169	1.7132	1.1005	1.1257	1.1825
	11.418	1.0833	0.21154	1.0000	0.87059
	0.80000	0.95652	1.2839	1.1713	1.4793
	0.72165	1.6923	0.95868	1.8222	1.1905

0.22000	0.029933	1.7924	1.1142	1.1274	0.94370
	14.154	1.7143	0.27193	1.1935	0.94595
	0.76471	0.97619	1.4104	1.3371	1.4978
	0.72727	1.6078	1.0459	1.6159	1.1881
0.21000	0.038079	1.7897	1.2612	1.0661	0.99470
	16.110	1.3810	0.60959	0.84848	1.0294
	0.80645	0.95349	1.1538	1.3333	1.4757
	0.71250	1.3725	1.0099	1.3411	1.0674
0.20000	0.038387	1.4087	1.4454	0.93463	1.0910
	35.786	1.1765	0.37615	0.83871	0.86567
	0.59375	1.0000	1.2336	1.3734	1.3788
	0.63529	0.97959	0.87755	1.2881	1.3253
0.19000	0.036090	1.5454	2.5338	1.0878	1.0957
	2.6906	1.0000	0.23699	0.81481	0.82812
	0.66667	0.77778	1.2100	1.4043	1.3838
	0.62500	0.93182	0.88372	1.2389	0.92500
0.18000	0.034028	1.6497	1.8784	1.1137	1.0216
	2.7503	1.2727	0.39779	0.71429	0.85965
	0.70370	0.78125	1.2083	1.8000	1.3275
	0.66102	0.97561	0.67059	1.2174	0.85333
0.17000	0.035291	1.5235	1.8574	1.0597	0.90004
	2.5224	1.6364	0.30702	0.78261	0.83333
	0.63636	0.61765	0.96907	1.5606	1.3043
	0.50000	1.1282	0.67089	1.1887	0.85714
0.16000	0.042999	1.7115	1.7298	1.1118	0.98547
	2.4429	1.2222	0.53600	0.68000	0.80000
	0.48000	0.67857	0.97500	1.4958	1.2365
	0.75000	1.0278	0.69118	1.0000	0.76190
0.15000	0.049998	1.8918	2.2318	1.1492	0.96754
	2.4024	1.6667	0.29907	0.85000	1.0000
	0.78947	0.65217	1.0139	1.4393	1.0993
	0.71111	0.96875	0.74138	1.0330	0.90164
0.14000	0.048798	1.8388	1.5982	1.2108	1.0408
	2.0150	1.0000	0.53774	0.60000	0.65116
	0.52941	0.54167	0.85542	1.3168	1.1027
	0.88571	0.81818	0.58065	0.93258	0.83333
0.13000	0.056638	1.4455	1.3366	1.1980	1.1197
	1.9251	1.0000	0.81667	0.50000	0.97500
	0.42857	0.65000	0.87500	1.2247	1.4299
	0.59375	0.81481	0.57692	0.91358	0.75000
0.12000	0.082951	1.5261	1.8846	1.0487	0.99895
	1.8674	0.80000	0.67187	0.85714	0.86842
	0.53846	0.50000	0.70000	1.1687	1.2136
	0.61538	0.62963	0.51923	0.97183	0.72093
0.11000	0.082255	1.7576	2.3945	1.0338	1.2733
	1.9116	1.3333	1.0357	0.66667	0.73529
	0.45455	0.41176	0.76667	1.3067	1.0971
	0.50000	0.53846	0.59091	0.98246	0.73810
0.10000	0.068025	1.7259	1.1561	0.89884	1.1378
	1.8615	0.25000	0.90741	0.70000	0.57692
	0.27273	0.31250	0.82692	1.1972	1.0682
	0.34783	0.57143	0.51282	0.92308	0.73684
0.090000	0.071455	1.5867	0.83337	0.96911	1.0913
	1.8390	0.50000	0.51282	0.30000	0.57692
	0.20000	0.35714	0.70000	0.94521	1.0380
	0.28571	0.45000	0.54839	0.81633	0.58824
0.080000	0.083577	1.7261	0.85597	0.97087	0.98101
	1.7254	0.33333	1.1613	0.62500	0.61905
	0.0000	0.50000	0.86111	1.1579	0.91892
	0.052632	0.17647	0.67857	0.63636	0.46875
0.070000	0.077679	1.5492	0.85883	1.0059	0.99824
	1.7768	0.0000	0.56000	0.57143	0.62500
	0.42857	0.076923	0.72727	1.0000	1.0172
	0.11111	0.13333	0.52174	0.59459	0.45833

0.060000	0.095880	1.6978	0.91923	1.0361	1.0652
	1.6697	0.0000	0.95833	0.0000	0.60000
	0.75000	0.36364	0.60714	1.0000	0.87273
	0.055556	0.0000	0.21053	0.62069	0.31818
0.050000	0.10285	1.6586	0.93636	1.0699	0.90835
	1.5919	1.0000	0.65385	0.50000	0.50000
	1.0000	0.50000	0.50000	0.74359	0.75556
	0.42857	0.15385	0.13333	0.57143	0.0000
0.040000	0.16773	1.6613	1.0205	1.0972	0.90420
	1.6082	3.0000	0.73333	1.3333	1.0000
	1.5000	1.2000	0.41176	0.73333	0.70270
	0.41667	0.60000	0.20000	0.31818	0.11111
0.030000	0.37873	1.2050	0.93222	1.0667	1.0170
	1.4389	1.2000	0.18182	1.0000	0.14286
	9.0000	1.0000	0.071429	0.75000	0.60714
	1.3333	1.0000	0.58333	0.066667	0.63636
0.020000	0.69899	1.2110	0.99484	1.0383	0.97648
	1.5057	1.5000	0.33333	0.0000	2.5000
	12.000	4.5000	0.15385	0.26667	0.25000
	1.2857	2.2000	1.2500	0.20000	1.1111
0.0100000	0.71769	1.2731	1.0683	1.0371	0.92621
	1.3315	2.0000	2.5000	1.4000	9.0000
	0.0000	4.0000	1.1250	1.0000	0.30000
	4.0000	3.3333	3.0000	1.4286	3.0000

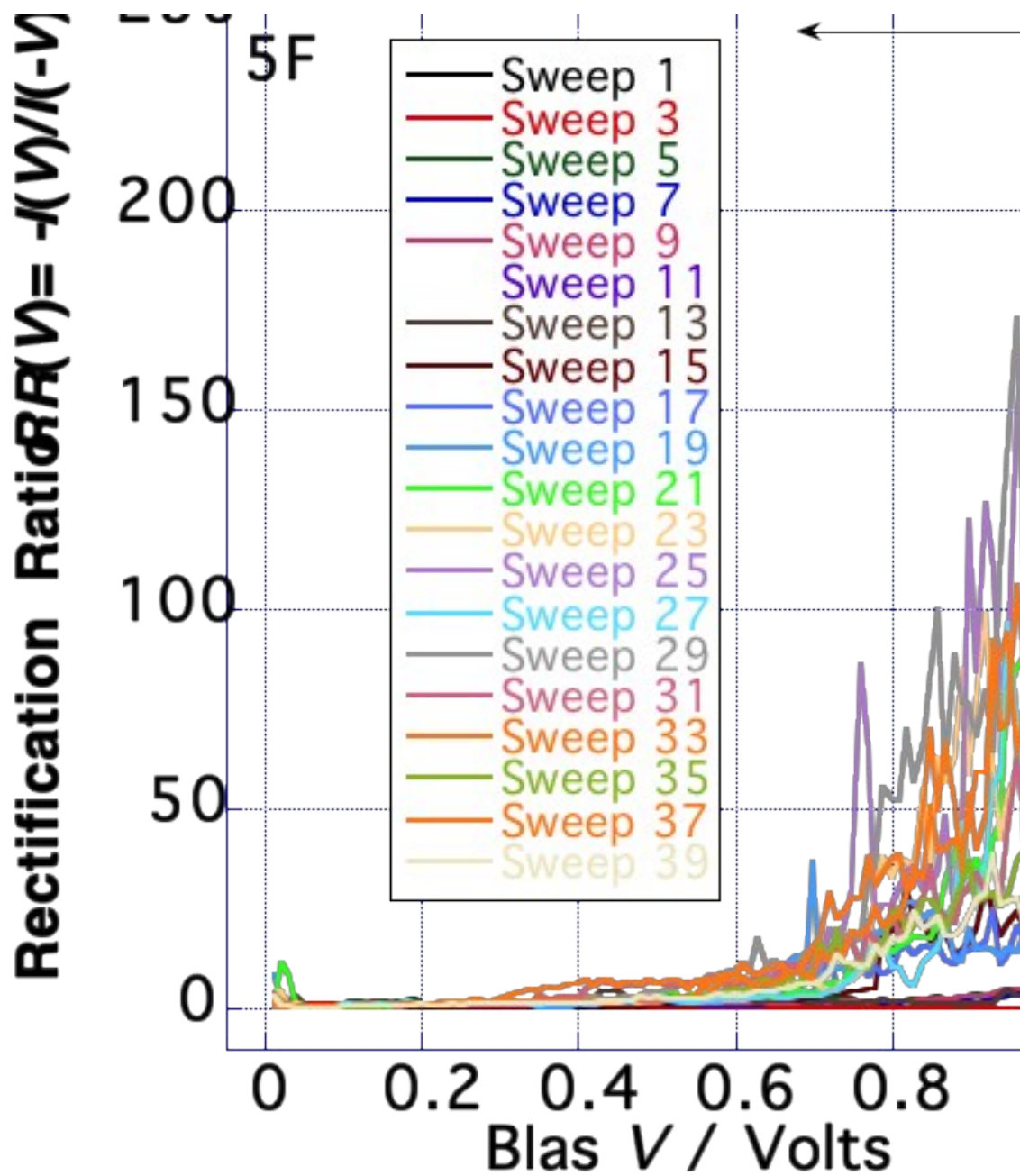


Fig. 5F. Sandwich#2.P.to.N.Rectification ratios

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Figure 6. Sandwich#3

Figure 6A. Sandwich#3.N.to.P.IV voltage (Volts) Current (microamperes)

Voltage	Sweep 2 Sweep 12 Sweep 22 Sweep 32	Sweep 4 Sweep 14 Sweep 24 Sweep 34	Sweep 6 Sweep 16 Sweep 26 Sweep 36	Sweep 8 Sweep 18 Sweep 28 Sweep 38	Sweep 10 Sweep 20 Sweep 30 Sweep 40
-1.0000	-0.015600 8.6300e-05 -5.7800e-05 -3.6200e-05	-0.0029300 -9.6200e-05 -7.0900e-05 -5.6700e-05	-0.0034900 -7.7200e-05 -4.9400e-05 -0.00013600	-0.00070700 -8.5800e-05 -4.7700e-05 -9.5000e-05	-0.0011700 - -6.3300e-05 -4.2600e-05 -8.8400e-05
-0.99000	-0.014300 8.0900e-05 -5.4000e-05 -3.3700e-05	-0.0030300 -9.5600e-05 -6.7100e-05 -5.4300e-05	-0.0034400 -7.6500e-05 -4.8400e-05 -0.00013000	-0.00065500 -8.3200e-05 -4.5400e-05 -9.0700e-05	-0.0010400 - -6.7800e-05 -3.8800e-05 -8.5500e-05
-0.98000	-0.013900 -7.8100e-05 -5.2100e-05 -3.2600e-05	-0.0032000 -9.2700e-05 -5.8300e-05 -5.1000e-05	-0.0033700 -7.3100e-05 -4.6100e-05 -0.00012300	-0.00060600 -7.9100e-05 -4.3800e-05 -8.4400e-05	-0.00098400 -6.3000e-05 -3.6200e-05 -8.1800e-05
-0.97000	-0.012900 -7.3700e-05 -4.9000e-05 -3.1800e-05	-0.0028500 -8.5600e-05 -5.6200e-05 -4.9700e-05	-0.0028400 -6.9000e-05 -4.2700e-05 -0.00012400	-0.00061900 -7.6000e-05 -4.0800e-05 -8.0900e-05	-0.00098600 -5.8900e-05 -3.4400e-05 -7.8100e-05
-0.96000	-0.011900 -7.0400e-05 -4.5700e-05 -2.8800e-05	-0.0028300 -8.2700e-05 -5.4900e-05 -4.6600e-05	-0.0028100 -6.4900e-05 -4.1400e-05 -0.00011600	-0.00056700 -7.1200e-05 -4.0700e-05 -7.7300e-05	-0.00096600 -5.6100e-05 -3.3200e-05 -7.4100e-05
-0.95000	-0.010300 -6.7000e-05 -4.4100e-05 -2.9100e-05	-0.0024500 -7.5500e-05 -4.9700e-05 -4.3900e-05	-0.0027100 -6.2200e-05 -3.9900e-05 -0.00011600	-0.00055900 -7.3700e-05 -3.8500e-05 -7.3500e-05	-0.00092600 -5.3400e-05 -3.1400e-05 -7.0400e-05
-0.94000	-0.0087800 -6.5200e-05 -4.1700e-05 -2.6000e-05	-0.0023500 -7.1000e-05 -5.1000e-05 -4.2300e-05	-0.0026700 -6.3300e-05 -3.7800e-05 -0.00011100	-0.00057000 -7.1700e-05 -3.6100e-05 -6.8900e-05	-0.00095000 -5.3200e-05 -2.9900e-05 -6.6100e-05
-0.93000	-0.0079400 -6.1700e-05 -3.9600e-05 -2.4800e-05	-0.0023300 -7.2800e-05 -4.6100e-05 -4.0300e-05	-0.0025700 -5.6300e-05 -3.5400e-05 -0.00010400	-0.00061000 -6.9400e-05 -3.3700e-05 -6.6300e-05	-0.00090400 -4.6400e-05 -2.8100e-05 -6.2900e-05
-0.92000	-0.0075200 -6.3900e-05 -3.8500e-05 -2.4200e-05	-0.0020700 -7.1200e-05 -4.9000e-05 -3.8200e-05	-0.0023800 -5.6700e-05 -3.4700e-05 -1.0000e-04	-0.00058900 -6.6200e-05 -3.3200e-05 -6.2300e-05	-0.00090300 -5.0400e-05 -2.6900e-05 -5.9400e-05
-0.91000	-0.0075100 -5.9600e-05 -3.7400e-05 -2.3500e-05	-0.0019600 -6.9500e-05 -4.3400e-05 -3.6600e-05	-0.0023600 -5.2300e-05 -3.3000e-05 -9.6800e-05	-0.00054700 -6.3900e-05 -3.2200e-05 -5.9500e-05	-0.00086700 -4.5900e-05 -2.5500e-05 -5.5600e-05
-0.90000	-0.0070400 -5.6500e-05 -3.5000e-05 -2.2000e-05	-0.0019600 -6.2400e-05 -4.1200e-05 -4.3300e-05	-0.0022600 -5.1000e-05 -3.1800e-05 -8.2200e-05	-0.00053400 -5.8900e-05 -2.9800e-05 -5.6300e-05	-0.00084700 -4.7600e-05 -2.4500e-05 -5.3200e-05
-0.89000	-0.0076900 -5.5000e-05 -3.4200e-05 -2.1700e-05	-0.0018700 -5.9500e-05 -4.3100e-05 -3.2800e-05	-0.0022100 -4.7300e-05 -3.0000e-05 -7.6600e-05	-0.00052500 -5.9200e-05 -2.7900e-05 -5.3300e-05	-0.00083900 -4.1300e-05 -2.3900e-05 -5.0100e-05
-0.88000	-0.0091300 -5.2000e-05 -3.2400e-05 -1.9700e-05	-0.0019500 -5.8000e-05 -3.5600e-05 -3.0200e-05	-0.0021800 -4.8100e-05 -2.8600e-05 -7.2700e-05	-0.00053100 -5.5900e-05 -2.7200e-05 -5.0900e-05	-0.00083800 -4.2600e-05 -2.2600e-05 -4.8000e-05
-0.87000	-0.0079600 -5.0900e-05 -3.2100e-05 -1.8600e-05	-0.0022200 -5.5000e-05 -3.9600e-05 -3.0500e-05	-0.0021600 -4.8400e-05 -2.8400e-05 -6.8300e-05	-0.00049600 -5.4700e-05 -2.5700e-05 -4.8300e-05	-0.00083800 -3.8900e-05 -2.1400e-05 -4.6100e-05

-0.86000	-0.0066100	-0.0022300	-0.0020700	-0.00048800	-0.00080400
	-4.7700e-05	-5.3000e-05	-4.4300e-05	-5.4500e-05	-3.6500e-05
	-2.9400e-05	-3.3000e-05	-2.6100e-05	-2.4400e-05	-2.0900e-05
	-1.7700e-05	-2.9200e-05	-6.2300e-05	-4.6700e-05	-4.3800e-05
-0.85000	-0.0063900	-0.0020600	-0.0020300	-0.00055300	-0.00078900
	-4.7500e-05	-4.9700e-05	-4.3100e-05	-5.1400e-05	-3.2900e-05
	-2.9600e-05	-3.4900e-05	-2.5200e-05	-2.4200e-05	-1.9600e-05
	-1.7200e-05	-2.7800e-05	-5.8200e-05	-4.5100e-05	-4.2000e-05
-0.84000	-0.0062200	-0.0027600	-0.0019500	-0.00054700	-0.00078500
	-4.4000e-05	-4.9700e-05	-4.1600e-05	-4.9300e-05	-3.0500e-05
	-2.8600e-05	-3.3800e-05	-2.3600e-05	-2.3200e-05	-1.8300e-05
	-1.6100e-05	-2.6300e-05	-5.5600e-05	-4.2400e-05	-4.0700e-05
-0.83000	-0.0066800	-0.0025600	-0.0018900	-0.00052200	-0.00075900
	-4.3800e-05	-4.6100e-05	-4.0000e-05	-4.7100e-05	-3.2000e-05
	-2.6600e-05	-3.4800e-05	-2.3300e-05	-2.2800e-05	-1.7700e-05
	-1.5400e-05	-2.5900e-05	-5.4500e-05	-3.9600e-05	-3.8400e-05
-0.82000	-0.0066500	-0.0015600	-0.0018300	-0.00052000	-0.00079400
	-4.2000e-05	-4.5400e-05	-3.8700e-05	-4.8100e-05	-3.2300e-05
	-2.4500e-05	-3.2300e-05	-2.2800e-05	-2.1800e-05	-1.7200e-05
	-1.4800e-05	-2.4900e-05	-6.0300e-05	-3.8800e-05	-3.5800e-05
-0.81000	-0.0058300	-0.0015600	-0.0018400	-0.00050100	-0.00072300
	-4.0500e-05	-4.3800e-05	-3.8300e-05	-4.7000e-05	-2.7900e-05
	-2.5400e-05	-3.0800e-05	-2.2200e-05	-2.1100e-05	-1.6500e-05
	-1.4200e-05	-2.3400e-05	-4.8400e-05	-3.6000e-05	-3.4100e-05
-0.80000	-0.0049500	-0.0014900	-0.0019800	-0.00047400	-0.00069900
	-3.9200e-05	-4.1300e-05	-3.7100e-05	-4.5400e-05	-2.9500e-05
	-2.4300e-05	-2.4500e-05	-2.1400e-05	-2.0600e-05	-1.6000e-05
	-1.3500e-05	-2.2600e-05	-4.6300e-05	-3.4700e-05	-3.2300e-05
-0.79000	-0.0046100	-0.0014000	-0.0019700	-0.00045400	-0.00077900
	-3.8900e-05	-3.9800e-05	-3.4900e-05	-3.2700e-05	-2.6600e-05
	-2.1400e-05	-2.2100e-05	-2.0200e-05	-1.9800e-05	-1.5400e-05
	-1.2600e-05	-2.1700e-05	-4.4300e-05	-3.2700e-05	-3.0900e-05
-0.78000	-0.0054900	-0.0012600	-0.0019300	-0.00045100	-0.00085000
	-3.6200e-05	-3.6400e-05	-3.4700e-05	-3.2700e-05	-2.7200e-05
	-2.0100e-05	-2.2300e-05	-1.9000e-05	-1.8600e-05	-1.4700e-05
	-1.2300e-05	-2.0600e-05	-4.1600e-05	-3.1500e-05	-2.9000e-05
-0.77000	-0.0050400	-0.0013300	-0.0018600	-0.00043900	-0.00091200
	-3.4400e-05	-3.5400e-05	-3.3300e-05	-3.8700e-05	-2.6800e-05
	-1.9500e-05	-2.0800e-05	-1.8200e-05	-1.8000e-05	-1.4300e-05
	-1.1700e-05	-1.9700e-05	-3.9800e-05	-3.0200e-05	-2.7900e-05
-0.76000	-0.0048400	-0.0012600	-0.0015600	-0.00043100	-0.00088400
	-3.3800e-05	-3.4200e-05	-3.1400e-05	-3.9800e-05	-2.4200e-05
	-1.8700e-05	-2.4700e-05	-1.8000e-05	-1.7400e-05	-1.3800e-05
	-1.1200e-05	-1.8000e-05	-3.7800e-05	-2.8300e-05	-2.6900e-05
-0.75000	-0.0047700	-0.0010900	-0.0015500	-0.00039800	-0.00077200
	-3.2700e-05	-3.3300e-05	-2.9800e-05	-2.9900e-05	-2.3600e-05
	-1.8500e-05	-1.7900e-05	-1.6600e-05	-1.6600e-05	-1.3300e-05
	-1.0600e-05	-1.7300e-05	-4.3400e-05	-2.7300e-05	-2.5600e-05
-0.74000	-0.0044900	-0.0010600	-0.0014600	-0.00039100	-0.00070400
	-3.1400e-05	-3.1900e-05	-2.8800e-05	-2.8900e-05	-2.1300e-05
	-1.8700e-05	-1.8800e-05	-1.6100e-05	-1.6400e-05	-1.2500e-05
	-1.0100e-05	-1.6700e-05	-4.3600e-05	-2.5900e-05	-2.4500e-05
-0.73000	-0.0040400	-0.0010600	-0.0016700	-0.00038200	-0.00072400
	-3.0800e-05	-3.0000e-05	-2.6800e-05	-2.9300e-05	-2.1400e-05
	-1.7300e-05	-1.7700e-05	-1.5700e-05	-1.5700e-05	-1.2200e-05
	-9.6100e-06	-1.5900e-05	-4.0700e-05	-2.5000e-05	-2.3400e-05
-0.72000	-0.0041300	-0.0011800	-0.0016700	-0.00037600	-0.00070900
	-2.9500e-05	-2.9700e-05	-2.5100e-05	-2.6300e-05	-2.1200e-05
	-1.6000e-05	-1.6100e-05	-1.4600e-05	-1.5400e-05	-1.1700e-05
	-9.2300e-06	-1.5400e-05	-4.0200e-05	-2.3900e-05	-2.2500e-05
-0.71000	-0.0039200	-0.0011500	-0.0016100	-0.00034200	-0.00080400
	-2.8400e-05	-2.7900e-05	-2.4400e-05	-2.5700e-05	-1.9200e-05
	-1.5700e-05	-1.5700e-05	-1.4200e-05	-1.4300e-05	-1.1500e-05
	-9.2900e-06	-1.4400e-05	-3.2300e-05	-2.2500e-05	-2.1700e-05

-0.70000	-0.0038300	-0.0010600	-0.0015400	-0.00034700	-0.00079000
	-2.8000e-05	-2.6200e-05	-2.3700e-05	-2.6800e-05	-1.8900e-05
	-1.5600e-05	-1.4900e-05	-1.3400e-05	-1.3500e-05	-1.0600e-05
	-8.7400e-06	-1.3900e-05	-3.6500e-05	-2.1500e-05	-2.0600e-05
-0.69000	-0.0035300	-0.00091200	-0.0015200	-0.00033600	-0.00078200
	-2.6400e-05	-2.5700e-05	-2.2500e-05	-2.4400e-05	-1.7500e-05
	-1.4800e-05	-1.4500e-05	-1.3400e-05	-1.3000e-05	-1.0700e-05
	-8.5100e-06	-1.2800e-05	-3.5200e-05	-2.0800e-05	-1.9600e-05
-0.68000	-0.0036300	-0.00093000	-0.0014400	-0.00032000	-0.00074700
	-2.5500e-05	-2.4600e-05	-2.1600e-05	-2.6200e-05	-1.6500e-05
	-1.4300e-05	-1.4800e-05	-1.2600e-05	-1.2700e-05	-9.8700e-06
	-8.2900e-06	-1.2300e-05	-3.3200e-05	-1.9900e-05	-1.8900e-05
-0.67000	-0.0034100	-0.00090700	-0.0014000	-0.00031700	-0.00071400
	-2.5200e-05	-2.3700e-05	-2.1300e-05	-2.3800e-05	-1.7300e-05
	-1.3300e-05	-1.3700e-05	-1.1800e-05	-1.2500e-05	-9.6100e-06
	-8.3800e-06	-1.1900e-05	-3.1700e-05	-1.9200e-05	-1.8100e-05
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	-2.4700e-05	-2.3500e-05	-2.1000e-05	-2.1600e-05	-1.5700e-05
	-1.2600e-05	-1.3000e-05	-1.1300e-05	-1.1900e-05	-9.0200e-06
	-7.5900e-06	-1.1400e-05	-3.2100e-05	-1.8400e-05	-1.7800e-05
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	-1.2100e-05	-1.2600e-05	-1.0200e-05	-1.0200e-05	-8.6300e-06
	-7.3100e-06	-1.0500e-05	-2.9200e-05	-1.7700e-05	-1.6900e-05
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	-1.1300e-05	-1.1800e-05	-1.0100e-05	-9.8700e-06	-8.3900e-06
	-0.00011300	-1.0400e-05	-2.6900e-05	-1.6800e-05	-1.6200e-05
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	-1.1300e-05	-1.1300e-05	-9.9800e-06	-9.0400e-06	-8.3900e-06
	-7.0000e-06	-1.0300e-05	-2.4200e-05	-1.6100e-05	-1.5500e-05
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	-1.1000e-05	-1.1000e-05	-9.4600e-06	-9.2200e-06	-8.0000e-06
	-6.6600e-06	-9.6300e-06	-2.1700e-05	-1.5400e-05	-1.4600e-05
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	-1.0600e-05	-1.0700e-05	-9.2600e-06	-8.3700e-06	-7.6600e-06
	-6.4000e-06	-9.1200e-06	-2.1300e-05	-1.4900e-05	-1.4300e-05
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	-6.2600e-06	-9.2000e-06	-1.9900e-05	-1.4300e-05	-1.3700e-05
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	-1.9200e-05	-2.0100e-05	-1.6300e-05	-2.2800e-05	-1.3000e-05
	-9.5400e-06	-9.7900e-06	-8.4400e-06	-7.7800e-06	-6.9400e-06
	-6.0300e-06	-8.4900e-06	-1.9600e-05	-1.3800e-05	-1.3200e-05
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	-1.9300e-05	-1.9000e-05	-1.5500e-05	-2.3000e-05	-1.2000e-05
	-9.7400e-06	-9.8800e-06	-7.7800e-06	-7.7700e-06	-6.6500e-06
	-5.8100e-06	-8.1900e-06	-1.9200e-05	-1.3000e-05	-1.2500e-05
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	-1.7800e-05	-1.9200e-05	-1.6200e-05	-2.2600e-05	-1.1700e-05
	-9.2000e-06	-9.5300e-06	-7.6100e-06	-7.2100e-06	-6.3700e-06
	-5.5600e-06	-8.0800e-06	-1.7100e-05	-1.2700e-05	-1.2000e-05
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	-1.7600e-05	-1.7800e-05	-1.5000e-05	-2.2900e-05	-1.1000e-05
	-8.8300e-06	-9.3600e-06	-7.4900e-06	-6.8800e-06	-6.1100e-06
	-5.1800e-06	-7.8500e-06	-1.6700e-05	-1.2300e-05	-1.1600e-05
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	-1.7300e-05	-1.9200e-05	-1.5100e-05	-1.6400e-05	-1.0700e-05
	-8.3200e-06	-8.7400e-06	-7.4600e-06	-6.9200e-06	-5.8100e-06
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	-8.1500e-06	-8.3500e-06	-6.9400e-06	-6.4600e-06	-5.3200e-06
	-4.9300e-06	-7.5000e-06	-1.4800e-05	-1.1500e-05	-1.0800e-05
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	-1.6800e-05	-1.6000e-05	-1.4500e-05	-1.4800e-05	-1.0900e-05
	-7.7100e-06	-8.1000e-06	-6.5500e-06	-6.1700e-06	-5.2400e-06
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	-1.5900e-05	-1.6200e-05	-1.4400e-05	-1.3300e-05	-1.0400e-05
	-7.5700e-06	-8.0400e-06	-6.4800e-06	-6.4100e-06	-5.5100e-06
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	-1.5300e-05	-1.5100e-05	-1.3700e-05	-1.3300e-05	-1.0200e-05
	-7.1900e-06	-7.7500e-06	-6.1800e-06	-5.9600e-06	-5.0900e-06
	-4.4000e-06	-6.0500e-06	-1.3200e-05	-1.0500e-05	-9.6200e-06
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	-1.4900e-05	-1.4700e-05	-1.3900e-05	-1.2500e-05	-1.0100e-05
	-7.1600e-06	-7.4900e-06	-6.0600e-06	-5.6000e-06	-4.7000e-06
	-4.1600e-06	-5.7300e-06	-1.2700e-05	-1.0000e-05	-9.3500e-06
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	-1.4700e-05	-1.3700e-05	-1.2900e-05	-1.2100e-05	-9.9000e-06
	-6.7500e-06	-7.0300e-06	-5.9600e-06	-5.2100e-06	-4.8500e-06
	-3.8900e-06	-5.8900e-06	-1.2200e-05	-9.5200e-06	-9.0100e-06
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	-1.3800e-05	-1.4300e-05	-1.2400e-05	-1.1300e-05	-9.5300e-06
	-6.5000e-06	-6.9000e-06	-5.6300e-06	-5.1500e-06	-4.6600e-06
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	-1.3600e-05	-1.4900e-05	-1.2300e-05	-1.0900e-05	-9.0400e-06
	-6.1000e-06	-6.8000e-06	-5.4800e-06	-5.0000e-06	-4.5000e-06
	-3.5600e-06	-5.3400e-06	-1.1400e-05	-8.9300e-06	-8.2900e-06
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	-1.3200e-05	-1.3400e-05	-1.1800e-05	-1.1300e-05	-8.6300e-06
	-5.8300e-06	-6.4400e-06	-5.0800e-06	-4.7600e-06	-4.3600e-06
	-3.7600e-06	-5.0600e-06	-1.1900e-05	-8.6600e-06	-7.9600e-06
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	-1.3000e-05	-1.2700e-05	-1.1000e-05	-1.1100e-05	-8.2800e-06
	-5.6800e-06	-6.1800e-06	-4.9700e-06	-4.5800e-06	-4.0200e-06
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	-1.3000e-05	-1.2900e-05	-1.0700e-05	-1.1500e-05	-8.0400e-06
	-5.4000e-06	-5.7600e-06	-4.8100e-06	-4.6500e-06	-3.9800e-06
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	-1.2100e-05	-1.1900e-05	-1.0600e-05	-1.0900e-05	-7.9400e-06
	-5.2700e-06	-5.5600e-06	-4.6000e-06	-4.4600e-06	-3.9100e-06
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	-1.2100e-05	-1.1500e-05	-9.9800e-06	-1.0100e-05	-7.3800e-06
	-5.1500e-06	-5.5400e-06	-4.2100e-06	-4.0800e-06	-3.5700e-06
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	-1.2100e-05	-1.1100e-05	-9.2500e-06	-9.5800e-06	-7.1400e-06
	-4.9300e-06	-5.1500e-06	-4.2100e-06	-4.1700e-06	-3.3600e-06
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	-1.1700e-05	-1.0000e-05	-9.2100e-06	-9.2800e-06	-6.8200e-06
	-4.7000e-06	-4.9300e-06	-4.1200e-06	-3.7600e-06	-3.2500e-06
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	-1.1200e-05	-1.0300e-05	-8.7400e-06	-9.1300e-06	-6.5300e-06
	-4.4700e-06	-4.6600e-06	-3.9300e-06	-3.4900e-06	-3.3100e-06
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	-4.4000e-06	-4.5800e-06	-3.8100e-06	-3.4100e-06	-3.1000e-06
	-2.5100e-06	-3.8600e-06	-8.2200e-06	-6.2900e-06	-6.1500e-06
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	-1.0600e-05	-9.6200e-06	-8.0600e-06	-8.8500e-06	-6.2800e-06
	-4.1600e-06	-4.4600e-06	-3.7200e-06	-3.3000e-06	-2.9600e-06
	-2.5300e-06	-3.5900e-06	-8.0700e-06	-5.9900e-06	-5.8800e-06
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	-9.9100e-06	-8.9900e-06	-7.6600e-06	-8.8200e-06	-5.9600e-06
	-3.9600e-06	-4.4100e-06	-3.4500e-06	-3.2100e-06	-3.0500e-06
	-2.4300e-06	-3.4500e-06	-7.4200e-06	-5.7000e-06	-5.5600e-06
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	-9.9100e-06	-9.1500e-06	-7.5800e-06	-7.9900e-06	-5.8500e-06
	-3.8600e-06	-4.2300e-06	-3.3200e-06	-3.2300e-06	-2.7200e-06
	-2.3400e-06	-3.4400e-06	-7.2000e-06	-5.4700e-06	-5.2800e-06
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	-9.3100e-06	-8.4000e-06	-7.1800e-06	-7.9300e-06	-5.5100e-06
	-3.6700e-06	-4.0100e-06	-3.1100e-06	-3.0400e-06	-2.5500e-06
	-2.2800e-06	-3.3000e-06	-6.9500e-06	-5.3000e-06	-5.0700e-06
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	-8.9700e-06	-8.3100e-06	-6.8400e-06	-7.5300e-06	-5.2900e-06
	-3.4200e-06	-3.9100e-06	-3.1100e-06	-2.9000e-06	-2.4400e-06
	-2.1200e-06	-3.0700e-06	-6.6000e-06	-4.9200e-06	-4.8600e-06
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	-8.9500e-06	-7.9200e-06	-6.7700e-06	-7.5500e-06	-5.0300e-06
	-3.4000e-06	-3.6500e-06	-2.9200e-06	-2.6800e-06	-2.3200e-06
	-2.1000e-06	-3.0800e-06	-6.4400e-06	-4.6800e-06	-4.6800e-06
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	-8.3500e-06	-8.0100e-06	-6.2600e-06	-7.0500e-06	-4.7200e-06
	-3.2800e-06	-3.5500e-06	-2.7300e-06	-2.5700e-06	-2.1900e-06
	-1.9400e-06	-2.8900e-06	-6.1500e-06	-4.4900e-06	-4.5200e-06
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	-8.4500e-06	-7.5100e-06	-5.9700e-06	-6.7800e-06	-4.5400e-06
	-3.1200e-06	-3.3500e-06	-2.6900e-06	-2.4600e-06	-2.1300e-06
	-1.9200e-06	-2.7000e-06	-5.9000e-06	-4.3000e-06	-4.3800e-06
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	-7.8700e-06	-7.2300e-06	-5.7000e-06	-6.7100e-06	-4.5200e-06
	-2.9500e-06	-3.2000e-06	-2.5600e-06	-2.4100e-06	-2.0600e-06
	-1.7900e-06	-2.5300e-06	-5.5500e-06	-4.0600e-06	-4.0900e-06
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	-7.8600e-06	-6.8400e-06	-5.4000e-06	-6.0300e-06	-4.3400e-06
	-2.8100e-06	-3.1900e-06	-2.4000e-06	-2.2600e-06	-1.9900e-06
	-1.7300e-06	-2.4300e-06	-5.4400e-06	-3.8600e-06	-3.8800e-06
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	-7.4600e-06	-6.5700e-06	-5.4500e-06	-6.0700e-06	-3.9900e-06
	-2.6800e-06	-3.0000e-06	-2.2800e-06	-2.1600e-06	-1.8400e-06
	-1.6300e-06	-2.3300e-06	-5.2200e-06	-3.7300e-06	-3.6700e-06
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	-7.0500e-06	-6.1700e-06	-5.2400e-06	-5.8300e-06	-3.8100e-06
	-2.5300e-06	-2.8200e-06	-2.2200e-06	-2.0400e-06	-1.7500e-06
	-1.6000e-06	-2.2100e-06	-4.8700e-06	-3.4800e-06	-3.6100e-06
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	-6.6100e-06	-6.0100e-06	-4.8500e-06	-5.0700e-06	-3.6100e-06
	-2.4400e-06	-2.7200e-06	-2.0500e-06	-1.9600e-06	-1.7000e-06
	-1.5600e-06	-2.0700e-06	-4.5800e-06	-3.3100e-06	-3.4300e-06
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	-6.1900e-06	-5.7900e-06	-4.8800e-06	-4.9400e-06	-3.2800e-06
	-2.3800e-06	-2.5600e-06	-1.9800e-06	-1.8900e-06	-1.5900e-06
	-1.4400e-06	-1.9400e-06	-4.4000e-06	-3.2200e-06	-3.2900e-06
-0.23000	-0.00051500	-0.00013800	-0.00027400	-8.5600e-05	-0.00021600
	-6.0100e-06	-5.6200e-06	-4.4200e-06	-4.7700e-06	-3.1200e-06
	-2.2500e-06	-2.3900e-06	-1.9300e-06	-1.7700e-06	-1.4500e-06
	-1.3700e-06	-1.8900e-06	-4.1500e-06	-2.9300e-06	-3.0900e-06

-0.22000	-0.00047300	-0.00013400	-0.00025400	-7.6500e-05	-0.00021200
	-5.7400e-06	-5.2600e-06	-4.2200e-06	-4.3800e-06	-2.9200e-06
	-2.1300e-06	-2.2400e-06	-1.8000e-06	-1.6100e-06	-1.4400e-06
	-1.3000e-06	-1.7500e-06	-3.9000e-06	-2.8700e-06	-2.8900e-06
-0.21000	-0.00044100	-0.00012800	-0.00024200	-6.9900e-05	-0.00019400
	-5.4100e-06	-4.9900e-06	-4.1300e-06	-4.1300e-06	-2.8400e-06
	-2.0600e-06	-2.1100e-06	-1.7100e-06	-1.5000e-06	-1.3400e-06
	-1.2200e-06	-1.6900e-06	-3.8100e-06	-2.6200e-06	-2.8100e-06
-0.20000	-0.00039500	-0.00014400	-0.00022700	-6.5800e-05	-0.00020100
	-5.1100e-06	-4.6800e-06	-3.7600e-06	-4.0000e-06	-2.7200e-06
	-1.9500e-06	-1.9800e-06	-1.6400e-06	-1.5300e-06	-1.2700e-06
	-1.1900e-06	-1.5800e-06	-3.5100e-06	-2.4900e-06	-2.6300e-06
-0.19000	-0.00036500	-0.00013000	-0.00021700	-6.1500e-05	-0.00018600
	-4.7500e-06	-4.3600e-06	-3.5700e-06	-3.6000e-06	-2.4900e-06
	-1.8500e-06	-1.8600e-06	-1.4500e-06	-1.3400e-06	-1.1900e-06
	-1.0200e-06	-1.4900e-06	-3.3900e-06	-2.4000e-06	-2.4500e-06
-0.18000	-0.00032600	-0.00010500	-0.00019900	-6.0100e-05	-0.00020100
	-4.7900e-06	-4.2200e-06	-3.3600e-06	-3.5200e-06	-2.3800e-06
	-1.6800e-06	-1.6900e-06	-1.4200e-06	-1.3700e-06	-1.1200e-06
	-9.4000e-07	-1.4600e-06	-3.1600e-06	-2.2300e-06	-2.3700e-06
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	-4.4200e-06	-3.9600e-06	-3.1800e-06	-3.3900e-06	-2.1300e-06
	-1.5900e-06	-1.6200e-06	-1.2600e-06	-1.2700e-06	-1.0200e-06
	-8.5000e-07	-1.3400e-06	-3.0400e-06	-2.0700e-06	-2.1500e-06
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	-4.2500e-06	-3.6500e-06	-2.9700e-06	-3.0600e-06	-2.0400e-06
	-1.4600e-06	-1.5900e-06	-1.1500e-06	-1.1500e-06	-9.4000e-07
	-8.0000e-07	-1.2800e-06	-2.8000e-06	-1.9200e-06	-2.0500e-06
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	-3.9500e-06	-3.4400e-06	-2.6800e-06	-2.5700e-06	-1.9300e-06
	-1.3600e-06	-1.4200e-06	-1.0600e-06	-1.0800e-06	-9.0000e-07
	-7.2000e-07	-1.1100e-06	-2.6200e-06	-1.7600e-06	-1.8900e-06
-0.14000	-0.00023300	-9.3300e-05	-0.00016200	-4.8000e-05	-0.00016000
	-3.6500e-06	-3.1900e-06	-2.5000e-06	-2.4700e-06	-1.7500e-06
	-1.2200e-06	-1.2700e-06	-9.8000e-07	-1.0100e-06	-8.1000e-07
	-6.9000e-07	-1.0000e-06	-2.3800e-06	-1.6200e-06	-1.7600e-06
-0.13000	-0.00022400	-8.5300e-05	-0.00015300	-4.4000e-05	-0.00016200
	-3.3600e-06	-2.9400e-06	-2.3600e-06	-2.1900e-06	-1.4800e-06
	-1.1600e-06	-1.1700e-06	-9.0000e-07	-8.9000e-07	-7.4000e-07
	-6.1000e-07	-9.6000e-07	-2.2100e-06	-1.5200e-06	-1.6000e-06
-0.12000	-0.00019800	-7.8700e-05	-0.00013900	-3.8700e-05	-0.00013600
	-2.9900e-06	-2.6500e-06	-2.1900e-06	-2.0300e-06	-1.3400e-06
	-1.0200e-06	-1.0300e-06	-8.2000e-07	-7.9000e-07	-6.8000e-07
	-5.4000e-07	-8.5000e-07	-1.9900e-06	-1.3600e-06	-1.4600e-06
-0.11000	-0.00018000	-6.1900e-05	-0.00012600	-3.6600e-05	-0.00012400
	-2.8100e-06	-2.4300e-06	-1.9700e-06	-1.8400e-06	-1.2600e-06
	-9.3000e-07	-9.6000e-07	-7.1000e-07	-7.1000e-07	-6.1000e-07
	-5.1000e-07	-8.0000e-07	-1.8100e-06	-1.2500e-06	-1.3500e-06
-0.10000	-0.00016700	-5.8400e-05	-0.00011600	-3.4700e-05	-0.00012400
	-2.5100e-06	-2.2100e-06	-1.7200e-06	-1.6800e-06	-1.1100e-06
	-8.0000e-07	-8.1000e-07	-6.3000e-07	-6.1000e-07	-5.7000e-07
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	-2.2400e-06	-1.9600e-06	-1.5300e-06	-1.3800e-06	-1.0000e-06
	-7.4000e-07	-7.2000e-07	-5.1000e-07	-5.1000e-07	-4.9000e-07
	-3.6000e-07	-6.0000e-07	-1.4100e-06	-9.9000e-07	-1.0700e-06
-0.080000	-0.00013200	-4.6000e-05	-9.3700e-05	-2.7600e-05	-0.00010300
	-1.9600e-06	-1.6700e-06	-1.3900e-06	-1.2900e-06	-8.6000e-07
	-6.2000e-07	-6.4000e-07	-4.5000e-07	-4.7000e-07	-3.9000e-07
	-2.8000e-07	-5.0000e-07	-1.2500e-06	-8.8000e-07	-9.4000e-07
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	-1.7400e-06	-1.4800e-06	-1.1400e-06	-1.1100e-06	-7.1000e-07
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		-1.4400e-06	-1.2200e-06	-9.6000e-07	-9.0000e-07	-6.2000e-07
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		-2.0000e-07	-3.4000e-07	-9.5000e-07	-6.3000e-07	-6.5000e-07
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		-1.1900e-06	-1.0000e-06	-7.9000e-07	-7.3000e-07	-4.6000e-07
		-3.3000e-07	-3.5000e-07	-2.5000e-07	-2.2000e-07	-1.9000e-07
		-1.4000e-07	-2.6000e-07	-7.2000e-07	-4.8000e-07	-4.8000e-07
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		-9.1000e-07	-8.0000e-07	-6.4000e-07	-5.3000e-07	-3.4000e-07
		-2.4000e-07	-2.5000e-07	-1.8000e-07	-1.7000e-07	-1.3000e-07
		-7.0000e-08	-1.8000e-07	-5.6000e-07	-3.7000e-07	-4.0000e-07
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		-6.6000e-07	-5.1000e-07	-3.9000e-07	-3.8000e-07	-2.1000e-07
		-1.4000e-07	-1.4000e-07	-1.0000e-07	-1.0000e-07	-8.0000e-08
		-4.0000e-08	-9.0000e-08	-3.8000e-07	-2.4000e-07	-2.6000e-07
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		-5.0000e-08	-7.0000e-08	-1.0000e-08	0.0000	2.0000e-08
		1.0000e-08	-4.0000e-08	-2.2000e-07	-1.1000e-07	-1.4000e-07
-0.0100000		-1.5200e-05	-5.6100e-06	-1.1700e-05	-3.5800e-06	-1.2700e-05
		-1.2000e-07	-6.0000e-08	-4.0000e-08	-4.0000e-08	4.0000e-08
		5.0000e-08	5.0000e-08	6.0000e-08	5.0000e-08	6.0000e-08
		-4.1000e-07	8.0000e-08	-5.0000e-08	1.0000e-08	2.0000e-08
7.5300e-16		-2.0000e-07	-1.0000e-08	-1.1000e-07	1.0000e-08	-2.1000e-07
		6.0000e-08	4.0000e-08	2.0000e-08	3.0000e-08	4.0000e-08
		3.0000e-08	3.0000e-08	1.0000e-08	2.0000e-08	1.0000e-08
		4.0000e-08	1.0000e-08	2.0000e-08	1.0000e-08	2.0000e-08
0.0100000		1.4500e-05	5.7000e-06	1.1200e-05	3.8700e-06	1.1100e-05
		3.2000e-07	2.6000e-07	2.0000e-07	2.0000e-07	1.4000e-07
		1.1000e-07	1.1000e-07	1.0000e-07	9.0000e-08	9.0000e-08
		9.0000e-08	1.0000e-07	2.0000e-07	1.7000e-07	1.4000e-07
0.020000		3.0400e-05	1.1200e-05	2.2300e-05	7.6500e-06	2.3900e-05
		5.6000e-07	5.3000e-07	4.2000e-07	3.9000e-07	2.6000e-07
		2.5000e-07	2.1000e-07	2.0000e-07	1.9000e-07	1.5000e-07
		1.1000e-07	1.8000e-07	3.8000e-07	3.0000e-07	2.9000e-07
0.030000		4.5900e-05	1.6200e-05	3.3400e-05	1.1300e-05	3.1800e-05
		8.6000e-07	7.7000e-07	5.9000e-07	5.9000e-07	4.0000e-07
		3.5000e-07	3.4000e-07	2.7000e-07	2.5000e-07	2.3000e-07
		1.9000e-07	2.6000e-07	5.6000e-07	4.0000e-07	4.3000e-07
0.040000		5.7100e-05	2.1400e-05	4.6700e-05	1.1700e-05	4.9600e-05
		1.1600e-06	1.0100e-06	7.8000e-07	7.2000e-07	5.6000e-07
		4.6000e-07	4.4000e-07	3.3000e-07	3.2000e-07	3.0000e-07
		2.7000e-07	3.2000e-07	7.4000e-07	5.4000e-07	5.8000e-07
0.050000		8.4800e-05	2.7100e-05	5.9600e-05	1.5400e-05	5.3500e-05
		1.4200e-06	1.2500e-06	9.3000e-07	9.1000e-07	6.6000e-07
		5.6000e-07	5.1000e-07	4.3000e-07	4.1000e-07	3.7000e-07
		3.1000e-07	4.1000e-07	9.4000e-07	6.8000e-07	7.0000e-07
0.060000		9.2400e-05	3.4500e-05	7.0900e-05	2.2100e-05	6.4800e-05
		1.7300e-06	1.5000e-06	1.1600e-06	1.0800e-06	8.3000e-07
		6.4000e-07	6.2000e-07	5.3000e-07	5.0000e-07	4.2000e-07
		4.5000e-07	5.2000e-07	1.2300e-06	8.5000e-07	8.5000e-07
0.070000		0.00010400	4.0100e-05	9.6800e-05	2.5600e-05	7.2600e-05
		2.0000e-06	1.7800e-06	1.4000e-06	1.2300e-06	9.3000e-07
		7.5000e-07	7.2000e-07	6.1000e-07	5.6000e-07	5.1000e-07
		4.1000e-07	6.4000e-07	1.4100e-06	9.5000e-07	1.0000e-06
0.080000		0.00012400	4.7700e-05	0.00011000	2.9200e-05	8.3000e-05
		2.3200e-06	2.0500e-06	1.5600e-06	1.4300e-06	1.0400e-06
		9.0000e-07	8.2000e-07	7.1000e-07	6.4000e-07	5.7000e-07
		5.2000e-07	6.7000e-07	1.6500e-06	1.1200e-06	1.1700e-06
0.090000		0.00013200	5.3800e-05	0.00011200	3.3800e-05	9.7700e-05
		2.6200e-06	2.3100e-06	1.8000e-06	1.5800e-06	1.1400e-06
		1.0200e-06	9.6000e-07	7.4000e-07	7.0000e-07	6.5000e-07
		5.8000e-07	7.9000e-07	1.8400e-06	1.2700e-06	1.2800e-06

0.10000	0.00015400	5.8900e-05	0.00012400	3.7600e-05	0.00010500
	3.0300e-06	2.6000e-06	2.0300e-06	1.7800e-06	1.2600e-06
	1.1000e-06	1.0600e-06	8.3000e-07	8.2000e-07	7.2000e-07
	6.0000e-07	9.1000e-07	2.1200e-06	1.4800e-06	1.4400e-06
0.11000	0.00017100	6.5900e-05	0.00013900	3.9700e-05	0.00011500
	3.3000e-06	2.9600e-06	2.3300e-06	2.0200e-06	1.4800e-06
	1.2400e-06	1.0600e-06	9.5000e-07	9.3000e-07	8.0000e-07
	6.4000e-07	1.0000e-06	2.2500e-06	1.5800e-06	1.5800e-06
0.12000	0.00018200	7.0400e-05	0.00015400	3.8300e-05	0.00012400
	3.7000e-06	3.3100e-06	2.6400e-06	2.1600e-06	1.7200e-06
	1.3800e-06	1.2200e-06	1.0200e-06	1.0600e-06	8.7000e-07
	7.8000e-07	1.0400e-06	2.5500e-06	1.7700e-06	1.7500e-06
0.13000	0.00019500	7.9300e-05	0.00016900	4.2000e-05	0.00011500
	4.1800e-06	3.5400e-06	2.7500e-06	2.4200e-06	1.8500e-06
	1.5900e-06	1.3600e-06	1.1700e-06	1.1100e-06	9.6000e-07
	8.3000e-07	1.1800e-06	3.0300e-06	1.9100e-06	1.9600e-06
0.14000	0.00020300	8.5500e-05	0.00018100	4.7400e-05	0.00011800
	4.5300e-06	3.9300e-06	2.9700e-06	2.5900e-06	1.9900e-06
	1.6900e-06	1.4800e-06	1.2400e-06	1.2100e-06	1.0400e-06
	9.1000e-07	1.2800e-06	3.1400e-06	2.0700e-06	2.1200e-06
0.15000	0.00022900	9.2500e-05	0.00019600	4.9800e-05	0.00011700
	4.9000e-06	4.1500e-06	3.2900e-06	2.7300e-06	2.2400e-06
	1.8500e-06	1.6100e-06	1.3300e-06	1.4400e-06	1.1100e-06
	1.0000e-06	1.3700e-06	3.2500e-06	2.2800e-06	2.2600e-06
0.16000	0.00023700	9.7500e-05	0.00021000	5.4100e-05	0.00013600
	5.3100e-06	4.4300e-06	3.6300e-06	3.0800e-06	2.4200e-06
	1.9000e-06	1.7500e-06	1.4500e-06	1.4800e-06	1.2300e-06
	1.4100e-06	1.4600e-06	3.5500e-06	2.4400e-06	2.5700e-06
0.17000	0.00025700	0.00010400	0.00022300	5.7200e-05	0.00014500
	5.9100e-06	4.7800e-06	3.6900e-06	3.3200e-06	2.5300e-06
	2.0700e-06	1.9100e-06	1.5500e-06	1.5300e-06	1.3500e-06
	1.1800e-06	1.5100e-06	3.8000e-06	2.6200e-06	2.7000e-06
0.18000	0.00027700	0.00011200	0.00023500	6.2400e-05	0.00014900
	6.1400e-06	5.2400e-06	4.0700e-06	3.5600e-06	2.8700e-06
	2.2700e-06	2.0000e-06	1.6800e-06	1.6800e-06	1.4400e-06
	1.2300e-06	1.7100e-06	4.0200e-06	2.8700e-06	3.0400e-06
0.19000	0.00030700	0.00012000	0.00024300	6.1600e-05	0.00015600
	6.4300e-06	5.6800e-06	4.2500e-06	3.8500e-06	3.0200e-06
	3.0100e-06	2.1100e-06	1.8100e-06	1.8100e-06	1.5500e-06
	1.3200e-06	1.8300e-06	4.3200e-06	3.0100e-06	3.1400e-06
0.20000	0.00030900	0.00012500	0.00029200	6.2500e-05	0.00017700
	6.9400e-06	5.9900e-06	4.7000e-06	3.9600e-06	3.1900e-06
	2.5500e-06	2.2200e-06	1.9000e-06	1.9200e-06	1.6000e-06
	1.4600e-06	1.9000e-06	4.6400e-06	3.2400e-06	3.4600e-06
0.21000	0.00034400	0.00012900	0.00030100	6.3800e-05	0.00018400
	7.6500e-06	6.0800e-06	5.1000e-06	4.2000e-06	3.2500e-06
	2.7700e-06	2.4400e-06	2.0800e-06	2.0900e-06	1.7600e-06
	1.5200e-06	2.0800e-06	4.9100e-06	3.4400e-06	3.6900e-06
0.22000	0.00035000	0.00013700	0.00031000	6.6900e-05	0.00020700
	7.7000e-06	6.5700e-06	5.2200e-06	4.5900e-06	3.5300e-06
	2.9300e-06	2.5800e-06	2.1900e-06	2.2100e-06	1.8700e-06
	1.6100e-06	2.2600e-06	5.2300e-06	3.6700e-06	3.8400e-06
0.23000	0.00035200	0.00013900	0.00032000	8.8300e-05	0.00022100
	8.4500e-06	6.9000e-06	5.7600e-06	4.8900e-06	3.7500e-06
	3.1300e-06	2.7300e-06	2.3100e-06	2.3400e-06	2.0200e-06
	1.7000e-06	2.3100e-06	5.5600e-06	3.9300e-06	4.1000e-06
0.24000	0.00038700	0.00014900	0.00035200	9.8300e-05	0.00023300
	9.3300e-06	7.3700e-06	5.9300e-06	4.8600e-06	3.9700e-06
	3.4300e-06	3.0400e-06	2.4600e-06	2.4900e-06	2.1300e-06
	1.7400e-06	2.5100e-06	5.8500e-06	4.0500e-06	4.3200e-06
0.25000	0.00041000	0.00015800	0.00041800	0.00010600	0.00025700
	9.6500e-06	7.9500e-06	6.3800e-06	5.1000e-06	4.2700e-06
	4.7700e-06	3.2300e-06	2.5600e-06	2.5300e-06	2.2400e-06
	1.8700e-06	2.6400e-06	6.2800e-06	4.4100e-06	4.6800e-06

0.26000	0.00042900	0.00017400	0.00044100	0.00011000	0.00024400
	1.0300e-05	8.5400e-06	6.9300e-06	5.5800e-06	4.3600e-06
	5.1900e-06	3.4700e-06	2.7000e-06	2.6500e-06	2.4900e-06
	2.0200e-06	2.8500e-06	6.5100e-06	4.6700e-06	4.9300e-06
0.27000	0.00043900	0.00016600	0.00046400	0.00012000	0.00024400
	1.0900e-05	8.7900e-06	7.2400e-06	6.0200e-06	4.6500e-06
	5.4900e-06	3.7000e-06	2.9400e-06	2.8900e-06	2.5500e-06
	2.1700e-06	2.8900e-06	6.7500e-06	4.8900e-06	5.3000e-06
0.28000	0.00046200	0.00018000	0.00051500	0.00012600	0.00026900
	1.1800e-05	9.2500e-06	7.4000e-06	6.4200e-06	5.0200e-06
	5.9700e-06	3.8100e-06	3.0100e-06	3.0200e-06	2.7600e-06
	2.2500e-06	3.0500e-06	7.2900e-06	5.2900e-06	5.5400e-06
0.29000	0.00047800	0.00018500	0.00053100	0.00012900	0.00027600
	1.2900e-05	9.8200e-06	7.7200e-06	6.8200e-06	5.2500e-06
	6.2600e-06	4.1200e-06	3.1900e-06	3.2000e-06	2.8000e-06
	2.3000e-06	3.2000e-06	7.6500e-06	5.6100e-06	5.8000e-06
0.30000	0.00052900	0.00023000	0.00053900	0.00013800	0.00027800
	1.3600e-05	1.0600e-05	8.3300e-06	7.2600e-06	5.6500e-06
	5.9500e-06	4.2100e-06	3.4100e-06	3.4600e-06	3.0100e-06
	2.5900e-06	3.3700e-06	7.9800e-06	5.9500e-06	6.1600e-06
0.31000	0.00057800	0.00022700	0.00057000	0.00015900	0.00032400
	1.4000e-05	1.1000e-05	8.7800e-06	7.5900e-06	5.8200e-06
	5.9700e-06	4.4000e-06	3.8000e-06	3.6600e-06	3.1300e-06
	2.6300e-06	3.8500e-06	8.6500e-06	6.1200e-06	6.4200e-06
0.32000	0.00059700	0.00024700	0.00061500	0.00016100	0.00034000
	1.4300e-05	1.1800e-05	9.2900e-06	7.9700e-06	6.2600e-06
	6.4000e-06	4.6600e-06	3.8400e-06	3.8200e-06	3.4200e-06
	2.8300e-06	4.1000e-06	9.0000e-06	6.4600e-06	6.7900e-06
0.33000	0.00064600	0.00024100	0.00059900	0.00016200	0.00035800
	1.5200e-05	1.2000e-05	9.8800e-06	8.6200e-06	6.4800e-06
	6.7600e-06	5.0700e-06	4.0500e-06	4.0700e-06	3.6200e-06
	2.9700e-06	4.2800e-06	9.4400e-06	6.9000e-06	7.0300e-06
0.34000	0.00064700	0.00023800	0.00062800	0.00016500	0.00038600
	1.6100e-05	1.2400e-05	1.0400e-05	9.1000e-06	6.6800e-06
	6.8500e-06	5.4800e-06	4.3000e-06	4.2100e-06	3.8200e-06
	3.1400e-06	4.6300e-06	9.9500e-06	7.2100e-06	7.4800e-06
0.35000	0.00073100	0.00025300	0.00057400	0.00019900	0.00039800
	1.7000e-05	1.3300e-05	1.1600e-05	9.8500e-06	7.2300e-06
	7.1500e-06	5.8800e-06	4.6000e-06	4.4300e-06	3.9300e-06
	3.3800e-06	4.8300e-06	1.0500e-05	7.7600e-06	7.8800e-06
0.36000	0.00068600	0.00027300	0.00058200	0.00022400	0.00037800
	1.7900e-05	1.3900e-05	1.2200e-05	1.0500e-05	7.8500e-06
	7.2600e-06	6.0200e-06	4.7200e-06	4.8100e-06	4.1300e-06
	3.4600e-06	5.2000e-06	1.0800e-05	8.0100e-06	8.2700e-06
0.37000	0.00072300	0.00030000	0.00059100	0.00021700	0.00039600
	1.8800e-05	1.4100e-05	1.2500e-05	1.0600e-05	8.2500e-06
	7.7200e-06	6.4600e-06	5.1100e-06	4.8900e-06	4.5200e-06
	3.7600e-06	5.2800e-06	1.1600e-05	8.4100e-06	9.0700e-06
0.38000	0.00071100	0.00055100	0.00059300	0.00023200	0.00040400
	1.9700e-05	1.4900e-05	1.2900e-05	1.1100e-05	8.4500e-06
	7.7700e-06	7.3300e-06	5.6900e-06	5.2400e-06	4.9000e-06
	3.9300e-06	5.4800e-06	1.2300e-05	9.3900e-06	1.0000e-05
0.39000	0.00074100	0.00045900	0.00063500	0.00023500	0.00041000
	2.0700e-05	1.6000e-05	1.4000e-05	1.2100e-05	9.0700e-06
	8.0700e-06	7.5600e-06	5.8400e-06	5.5600e-06	4.9200e-06
	4.2400e-06	5.9500e-06	1.3100e-05	9.5700e-06	1.0900e-05
0.40000	0.00079500	0.00061400	0.00065600	0.00025100	0.00043100
	2.1200e-05	1.6900e-05	1.4200e-05	1.3100e-05	9.2600e-06
	8.6200e-06	8.0900e-06	6.3400e-06	5.6700e-06	5.3600e-06
	4.4600e-06	6.2000e-06	1.4200e-05	1.0100e-05	1.1000e-05
0.41000	0.00079400	0.00072500	0.00065800	0.00025000	0.00045000
	2.2700e-05	1.7800e-05	1.5200e-05	1.3600e-05	9.7400e-06
	9.0100e-06	8.5500e-06	6.7200e-06	6.1700e-06	5.7300e-06
	5.4800e-06	6.4700e-06	1.4600e-05	1.0500e-05	1.1500e-05

0.42000	0.00084200	0.00036300	0.00069900	0.00026800	0.00048700
	2.3500e-05	1.9500e-05	1.6000e-05	1.4000e-05	1.0300e-05
	9.5500e-06	8.5900e-06	6.9600e-06	6.4400e-06	5.8500e-06
	4.8200e-06	6.5900e-06	1.6200e-05	1.1200e-05	5.8200e-05
0.43000	0.00091900	0.00038700	0.00072600	0.00030000	0.00052400
	2.4400e-05	2.0400e-05	1.7300e-05	1.4800e-05	1.0600e-05
	1.0200e-05	9.0800e-06	7.3000e-06	7.2400e-06	6.1300e-06
	6.3100e-06	7.3000e-06	1.7000e-05	1.1800e-05	0.0042500
0.44000	0.00092100	0.00040300	0.00081900	0.00032300	0.00051500
	2.4900e-05	2.1300e-05	1.7900e-05	1.5500e-05	1.1500e-05
	1.1300e-05	9.1800e-06	7.3900e-06	7.6200e-06	6.3100e-06
	5.3800e-06	7.6600e-06	1.8100e-05	1.2100e-05	0.0032600
0.45000	0.0010800	0.00041100	0.00081700	0.00034500	0.00055300
	2.7700e-05	2.3000e-05	1.8100e-05	1.6100e-05	1.2200e-05
	1.1900e-05	9.8500e-06	7.9400e-06	8.2500e-06	6.8800e-06
	5.6600e-06	8.3300e-06	1.8800e-05	1.3200e-05	0.0024700
0.46000	0.0010400	0.00035900	0.00085200	0.00044600	0.00058200
	2.8900e-05	2.4500e-05	1.9400e-05	1.7500e-05	1.3500e-05
	1.2200e-05	1.0300e-05	8.5700e-06	8.3700e-06	7.3700e-06
	6.2200e-06	8.8500e-06	2.0500e-05	1.4000e-05	0.0013400
0.47000	0.0011900	0.00038600	0.00089000	0.00043200	0.00057600
	3.0600e-05	2.7400e-05	2.1700e-05	1.8100e-05	1.3800e-05
	1.3200e-05	1.1200e-05	9.1100e-06	9.4300e-06	7.6600e-06
	6.4900e-06	9.4100e-06	2.1200e-05	1.5000e-05	0.0012300
0.48000	0.0010700	0.00039000	0.00086600	0.00045900	0.00061900
	3.1800e-05	2.9600e-05	2.3000e-05	1.9600e-05	1.5000e-05
	1.4300e-05	1.2200e-05	9.7400e-06	9.7300e-06	8.2400e-06
	6.8900e-06	9.9000e-06	2.2800e-05	1.6100e-05	0.0015000
0.49000	0.0011900	0.00040000	0.00092800	0.00046600	0.00062900
	3.2500e-05	3.2200e-05	2.4200e-05	2.0600e-05	1.5800e-05
	1.5900e-05	1.2900e-05	1.0100e-05	1.0400e-05	8.9600e-06
	7.2700e-06	1.0500e-05	2.4700e-05	1.6800e-05	0.00074600
0.50000	0.0010600	0.00044400	0.00092400	0.00047900	0.00064300
	3.4200e-05	3.5100e-05	2.6000e-05	2.3000e-05	1.6400e-05
	1.6100e-05	1.3700e-05	1.0500e-05	1.0900e-05	8.7700e-06
	7.7700e-06	6.1200e-05	2.6300e-05	1.7300e-05	0.00074600
0.51000	0.0013200	0.00047000	0.00097000	0.00046200	0.00062900
	3.5700e-05	3.3300e-05	2.7100e-05	2.4400e-05	1.7600e-05
	1.7400e-05	1.4300e-05	1.1000e-05	1.1200e-05	9.2900e-06
	8.3000e-06	3.1900e-05	2.7800e-05	1.8800e-05	0.00078000
0.52000	0.0012300	0.00051300	0.0010300	0.00074500	0.00076100
	3.6600e-05	3.3200e-05	2.9000e-05	2.4800e-05	1.8900e-05
	1.7900e-05	1.5400e-05	1.1700e-05	1.2100e-05	9.9500e-06
	8.8500e-06	2.6200e-05	2.9900e-05	2.0000e-05	0.00068500
0.53000	0.0013900	0.00055400	0.0010200	0.00087100	0.00071400
	3.8000e-05	3.5600e-05	2.9700e-05	2.6300e-05	1.8900e-05
	2.0200e-05	1.6300e-05	1.2800e-05	1.3200e-05	1.0400e-05
	9.9300e-06	2.7000e-05	3.1800e-05	2.2000e-05	0.00054100
0.54000	0.0014300	0.00062100	0.0010900	0.00089400	0.00062100
	4.0200e-05	3.8200e-05	3.5200e-05	2.8500e-05	2.0800e-05
	2.3300e-05	1.8400e-05	1.3400e-05	1.4300e-05	1.1500e-05
	1.0500e-05	2.1200e-05	3.3300e-05	2.3600e-05	0.00056500
0.55000	0.0014100	0.00065700	0.0011400	0.00089400	0.00088100
	4.4800e-05	4.1200e-05	3.4900e-05	3.0500e-05	2.2300e-05
	2.5300e-05	1.9600e-05	1.4600e-05	1.5500e-05	1.2200e-05
	1.1500e-05	2.1300e-05	3.5700e-05	2.4500e-05	0.00052800
0.56000	0.0017500	0.00062700	0.0011500	0.00092500	0.00083700
	4.7700e-05	4.3000e-05	3.7200e-05	3.2800e-05	2.4900e-05
	2.8900e-05	2.1700e-05	1.5600e-05	1.5400e-05	1.2700e-05
	1.1900e-05	2.2000e-05	3.7300e-05	2.6900e-05	0.00063800
0.57000	0.0018400	0.00059600	0.0010300	0.00094700	0.00090100
	5.1900e-05	4.6000e-05	4.0600e-05	3.5600e-05	2.7800e-05
	2.5700e-05	2.2600e-05	1.6900e-05	1.6300e-05	1.3300e-05
	1.1900e-05	2.2000e-05	3.8200e-05	2.7900e-05	0.00052200

0.58000	0.0018700	0.00072400	0.0010400	0.0010000	0.00089600
	5.3300e-05	4.9900e-05	4.4200e-05	3.9100e-05	2.9600e-05
	2.4300e-05	2.4000e-05	1.8500e-05	1.8500e-05	1.3500e-05
	1.3200e-05	2.3000e-05	4.6500e-05	3.0200e-05	0.00041100
0.59000	0.0018800	0.00074900	0.0011200	0.0010300	0.00078400
	5.7300e-05	5.2600e-05	4.5900e-05	4.1900e-05	3.2300e-05
	2.5700e-05	2.5200e-05	1.9400e-05	2.0900e-05	1.5200e-05
	1.4500e-05	2.4900e-05	4.5200e-05	3.2300e-05	0.00035700
0.60000	0.0020800	0.00079000	0.0011600	0.0010800	0.00081000
	6.1100e-05	5.9700e-05	4.8700e-05	4.5400e-05	3.4700e-05
	2.8300e-05	2.9100e-05	2.1600e-05	2.1300e-05	1.6400e-05
	1.4900e-05	2.5700e-05	5.0300e-05	3.5400e-05	0.00050000
0.61000	0.0021500	0.00086300	0.0011900	0.0011300	0.00073500
	6.5200e-05	5.9800e-05	5.1100e-05	4.9700e-05	3.8500e-05
	3.0400e-05	3.1300e-05	2.4000e-05	2.4100e-05	1.8300e-05
	1.7100e-05	2.8000e-05	5.4100e-05	3.8900e-05	0.00039100
0.62000	0.0023800	0.00089600	0.0012300	0.0012200	0.00083300
	6.8000e-05	6.7100e-05	5.1400e-05	4.9700e-05	3.8400e-05
	3.2600e-05	3.1200e-05	2.5600e-05	2.6300e-05	1.9900e-05
	1.9000e-05	3.0400e-05	6.0000e-05	3.9500e-05	0.00032400
0.63000	0.0029300	0.00098100	0.0012800	0.0012800	0.00079500
	7.5200e-05	7.5000e-05	5.8800e-05	5.6100e-05	4.1800e-05
	3.5000e-05	3.2500e-05	2.6500e-05	2.8300e-05	2.2100e-05
	3.8000e-05	3.1200e-05	6.0700e-05	4.4100e-05	0.00036200
0.64000	0.0030900	0.00096600	0.0013100	0.0013300	0.00077600
	8.1400e-05	7.0200e-05	6.3300e-05	5.9800e-05	4.9400e-05
	3.7000e-05	3.7000e-05	2.8400e-05	3.0400e-05	2.5200e-05
	2.1300e-05	3.3600e-05	6.7400e-05	4.6400e-05	0.00050500
0.65000	0.0031600	0.0010100	0.0014400	0.0013800	0.00089500
	9.3400e-05	7.7600e-05	9.4800e-05	6.3900e-05	5.1800e-05
	4.3500e-05	3.9200e-05	3.4200e-05	3.3200e-05	2.5900e-05
	2.3000e-05	3.4200e-05	7.3800e-05	4.9800e-05	0.00053900
0.66000	0.0034600	0.0010700	0.0014800	0.0014300	0.00086100
	9.3900e-05	8.7400e-05	0.00012600	6.4400e-05	5.7300e-05
	4.8400e-05	4.2800e-05	3.9100e-05	3.7500e-05	2.6900e-05
	2.3200e-05	3.7000e-05	7.3300e-05	5.5200e-05	0.00042700
0.67000	0.0037900	0.0011300	0.0015300	0.0014700	0.00077700
	0.00010500	9.5000e-05	0.00011600	8.6600e-05	6.1000e-05
	4.9100e-05	4.3900e-05	4.4600e-05	3.9700e-05	2.8700e-05
	2.5000e-05	4.0800e-05	8.1100e-05	5.7500e-05	0.00039000
0.68000	0.0045400	0.0011600	0.0017000	0.0015600	0.00072900
	0.00011500	0.00010200	8.4300e-05	8.7700e-05	7.9700e-05
	5.1800e-05	5.0400e-05	5.4300e-05	4.3500e-05	3.3100e-05
	2.9900e-05	4.3800e-05	8.5100e-05	6.1400e-05	0.00033800
0.69000	0.0041500	0.0012400	0.0016300	0.0016200	0.00080400
	0.00012900	0.00010800	0.00010200	1.0000e-04	7.6600e-05
	5.8000e-05	5.2800e-05	5.9000e-05	4.8700e-05	3.7700e-05
	3.4600e-05	4.9200e-05	9.7500e-05	6.7100e-05	0.00034400
0.70000	0.0046200	0.0013400	0.0016800	0.0017800	0.0014100
	0.00014200	0.00011500	0.00010900	0.00010600	9.0800e-05
	6.7900e-05	7.5900e-05	6.3900e-05	5.1800e-05	4.0400e-05
	3.7900e-05	5.1900e-05	0.00010400	7.2500e-05	0.00039100
0.71000	0.0044600	0.0013500	0.0017500	0.0017300	0.00063100
	0.00016300	0.00013700	0.00011900	0.00012200	1.0000e-04
	7.3300e-05	8.4200e-05	7.2000e-05	5.7700e-05	4.9100e-05
	4.8900e-05	6.0300e-05	0.00010900	7.9600e-05	0.00043300
0.72000	0.0043400	0.0013300	0.0018400	0.0019900	0.00050200
	0.00017300	0.00015100	0.00014400	0.00014800	0.00011400
	7.7300e-05	6.9700e-05	7.2200e-05	7.1400e-05	5.4500e-05
	4.8600e-05	6.1000e-05	0.00011900	8.8700e-05	0.00037100
0.73000	0.0045900	0.0015500	0.0020300	0.0023000	0.00055600
	0.00018800	0.00016200	0.00016400	0.00017000	0.00014200
	9.4000e-05	7.8800e-05	7.0900e-05	7.5500e-05	7.7000e-05
	5.8800e-05	6.6600e-05	0.00013400	9.9300e-05	0.00052300

0.74000	0.0046600	0.0015900	0.0021200	0.0022000	0.00058700
	0.00022700	0.00018400	0.00016400	0.00017600	0.00014300
	0.00011500	8.7200e-05	7.8300e-05	8.2000e-05	7.5200e-05
	5.4000e-05	6.8500e-05	0.00015000	0.00010900	0.00058900
0.75000	0.0052700	0.0017300	0.0022800	0.0022200	0.00065200
	0.00022800	0.00021400	0.00017700	0.00024000	0.00012600
	0.00011500	0.00010100	8.9100e-05	9.7200e-05	7.4300e-05
	6.3500e-05	8.0700e-05	0.00017900	0.00012100	0.00059400
0.76000	0.0054500	0.0017200	0.0023400	0.0028800	0.00061200
	0.00026200	0.00023700	0.00019500	0.00026200	0.00013700
	0.00014100	0.00013100	9.1300e-05	0.00010900	9.8200e-05
	6.8400e-05	9.0300e-05	0.00018500	0.00014100	0.00053300
0.77000	0.0042400	0.0018600	0.0024200	0.0024800	0.00064600
	0.00024800	0.00025000	0.00021700	0.00029600	0.00015600
	0.00015600	0.00013200	0.00010900	0.00011000	9.3800e-05
	8.8400e-05	0.00011100	0.00020600	0.00015900	0.00045100
0.78000	0.0040000	0.0019800	0.0025700	0.0025300	0.00071200
	0.00033500	0.00026300	0.00023700	0.00036900	0.00016300
	0.00017200	0.00040900	0.00012300	0.00012100	0.00011000
	8.7500e-05	0.00012800	0.00019600	0.00016300	0.00048000
0.79000	0.0042800	0.0020800	0.0026000	0.0037700	0.00066500
	0.00038800	0.00029400	0.00028500	0.00042000	0.00017700
	0.00021300	0.00041500	0.00012700	0.00014100	0.00012600
	0.00010600	0.00013900	0.00021300	0.00019600	0.00066400
0.80000	0.0046000	0.0022100	0.0026500	0.0032100	0.00065000
	0.00039600	0.00036800	0.00039600	0.00048600	0.00034700
	0.00022100	0.00028200	0.00016800	0.00014600	0.00013800
	0.00011200	0.00015100	0.00023300	0.00021700	0.00056400
0.81000	0.0054300	0.0024800	0.0029300	0.0034900	0.00071400
	0.00047400	0.00038800	0.00041200	0.00050500	0.00031300
	0.00024200	0.00040900	0.00017100	0.00022100	0.00016900
	0.00015000	0.00017900	0.00026900	0.00026200	0.00062600
0.82000	0.0066100	0.0026200	0.0032300	0.0029800	0.00075200
	0.00064800	0.00045100	0.00047700	0.00045000	0.00029500
	0.00028100	0.00040500	0.00021200	0.00024100	0.00018800
	0.00018800	0.00020000	0.00031200	0.00024300	0.00060300
0.83000	0.0066400	0.0029300	0.0034500	0.0030700	0.00091000
	0.00063100	0.00053800	0.00054900	0.00076700	0.00038700
	0.00030100	0.00044900	0.00035900	0.00032900	0.00026500
	0.00022700	0.00023200	0.00041800	0.00030100	0.00076100
0.84000	0.0072600	0.0031500	0.0043400	0.0034200	0.00096700
	0.00068800	0.00050700	0.00057800	0.00067900	0.00046000
	0.00032000	0.00046700	0.00035200	0.00029200	0.00022200
	0.00023900	0.0030900	0.00057700	0.00035400	0.00084000
0.85000	0.0071900	0.0034000	0.0043600	0.0039300	0.0011300
	0.00075000	0.00066000	0.00069600	0.00077700	0.00050500
	0.00033300	0.00037700	0.00036800	0.00043400	0.00025900
	0.00027100	0.0026300	0.00049800	0.00066500	0.0010100
0.86000	0.0082800	0.0041600	0.0052300	0.0038700	0.0011800
	0.0010500	0.0011500	0.00073800	0.00091200	0.00056600
	0.00044300	0.00043700	0.00042600	0.00042600	0.00028100
	0.00028700	0.0036700	0.00060000	0.00063300	0.0011700
0.87000	0.0086200	0.0046100	0.0062100	0.0045100	0.0014400
	0.0010800	0.00093500	0.00098300	0.00096400	0.00073800
	0.00043700	0.00049100	0.00046200	0.00049100	0.00036600
	0.00036800	0.0040000	0.00062900	0.00078200	0.00090300
0.88000	0.0085500	0.0051900	0.0058400	0.0046700	0.0018100
	0.0012400	0.0011600	0.00098900	0.0014700	0.00071200
	0.00054100	0.00052800	0.00051700	0.00075800	0.00045400
	0.00044400	0.0040500	0.00065900	0.00081700	0.0010900
0.89000	0.0093400	0.0049000	0.0065500	0.0052400	0.0015700
	0.0014900	0.0011900	0.0010400	0.0013800	0.00075900
	0.00059200	0.00062400	0.00062100	0.00062400	0.00061300
	0.00049500	0.0038000	0.00083000	0.0011600	0.0017600

0.90000	0.010800	0.0058400	0.0060600	0.0050800	0.0018200
	0.0014500	0.0013600	0.0012100	0.0011300	0.00091400
	0.00070000	0.00067700	0.00079200	0.00060700	0.00080800
	0.00051000	0.0029900	0.0010400	0.0010100	0.0035100
0.91000	0.011500	0.0076800	0.0056500	0.0049800	0.0022100
	0.0016700	0.0016600	0.0016800	0.0012500	0.0011000
	0.0010300	0.00087300	0.00094100	0.00068500	0.00073000
	0.00053400	0.0030700	0.0010400	0.0013100	0.0014600
0.92000	0.013300	0.0096200	0.0073700	0.0053500	0.0022900
	0.0018000	0.0016500	0.0019400	0.0013600	0.0013100
	0.0011700	0.0011400	0.0010500	0.00077200	0.00088300
	0.00063500	0.0030800	0.0011300	0.0015800	0.0017500
0.93000	0.013300	0.0084100	0.0065700	0.0076500	0.0026700
	0.0018900	0.0019000	0.0027200	0.0016900	0.0014700
	0.0014400	0.0011800	0.0012800	0.00095300	0.00084400
	0.00070900	0.0025300	0.0012100	0.0016400	0.0020000
0.94000	0.015900	0.0098600	0.0078200	0.0076800	0.0036200
	0.0023000	0.0041100	0.0026500	0.0017300	0.0017100
	0.0017000	0.0012500	0.0013500	0.00094900	0.0010000
	0.00087400	0.0032400	0.0013600	0.0018300	0.0028600
0.95000	0.019200	0.011400	0.010900	0.0080100	0.0036900
	0.0024900	0.0031900	0.0031400	0.0022600	0.0018900
	0.0013100	0.0014700	0.0016600	0.0011500	0.0011800
	0.00097800	0.0029000	0.0014300	0.0020900	0.0047700
0.96000	0.022800	0.012400	0.011100	0.0097200	0.0047400
	0.0026000	0.0039300	0.0033200	0.0021500	0.0026300
	0.0013800	0.0015500	0.0017100	0.0012800	0.0013300
	0.0010100	0.0030400	0.0017100	0.0020600	0.0032200
0.97000	0.022500	0.014700	0.011400	0.010400	0.0047100
	0.0030900	0.0032800	0.0041600	0.0024600	0.0026800
	0.0017400	0.0017600	0.0017900	0.0017800	0.0015000
	0.0012700	0.0034800	0.0019200	0.0025600	0.0038600
0.98000	0.026300	0.014000	0.012500	0.013500	0.0048200
	0.0038900	0.0038300	0.0036800	0.0025000	0.0025900
	0.0021000	0.0018900	0.0025200	0.0015600	0.0018700
	0.0011800	0.0030300	0.0022900	0.0031100	0.0031600
0.99000	0.026700	0.015300	0.015200	0.022600	0.0069800
	0.0044400	0.0043600	0.0056200	0.0031300	0.0025800
	0.0028100	0.0022000	0.0027200	0.0018100	0.0015300
	0.0015300	0.0033400	0.0025700	0.0027800	0.0040900
1.0000	0.025700	0.017100	0.013900	0.020000	0.0063900
	0.0055200	0.0052300	0.0042600	0.0042800	0.0033000
	0.0033400	0.0030300	0.0031700	0.0020200	0.0020600
	0.0015000	0.0036000	0.0030200	0.0043000	0.0040000

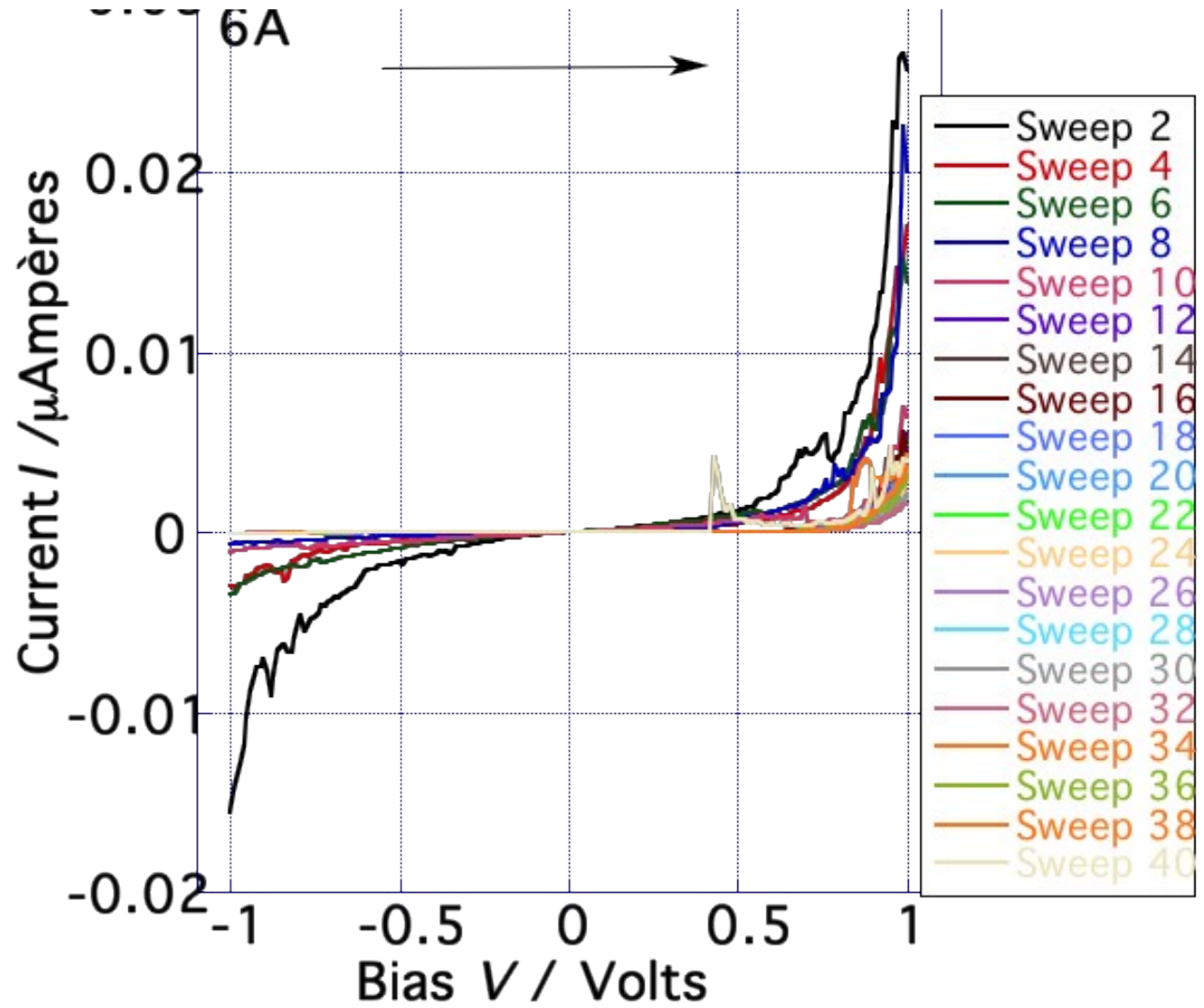


Fig 6A. Sandwich#3. N.to.P.IV

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Fig 6B. Sandwich#3.N.to.P.log(10) I .vs.V.data can be obtained by taking the decimal log of the currents listed above for Fig 6A.

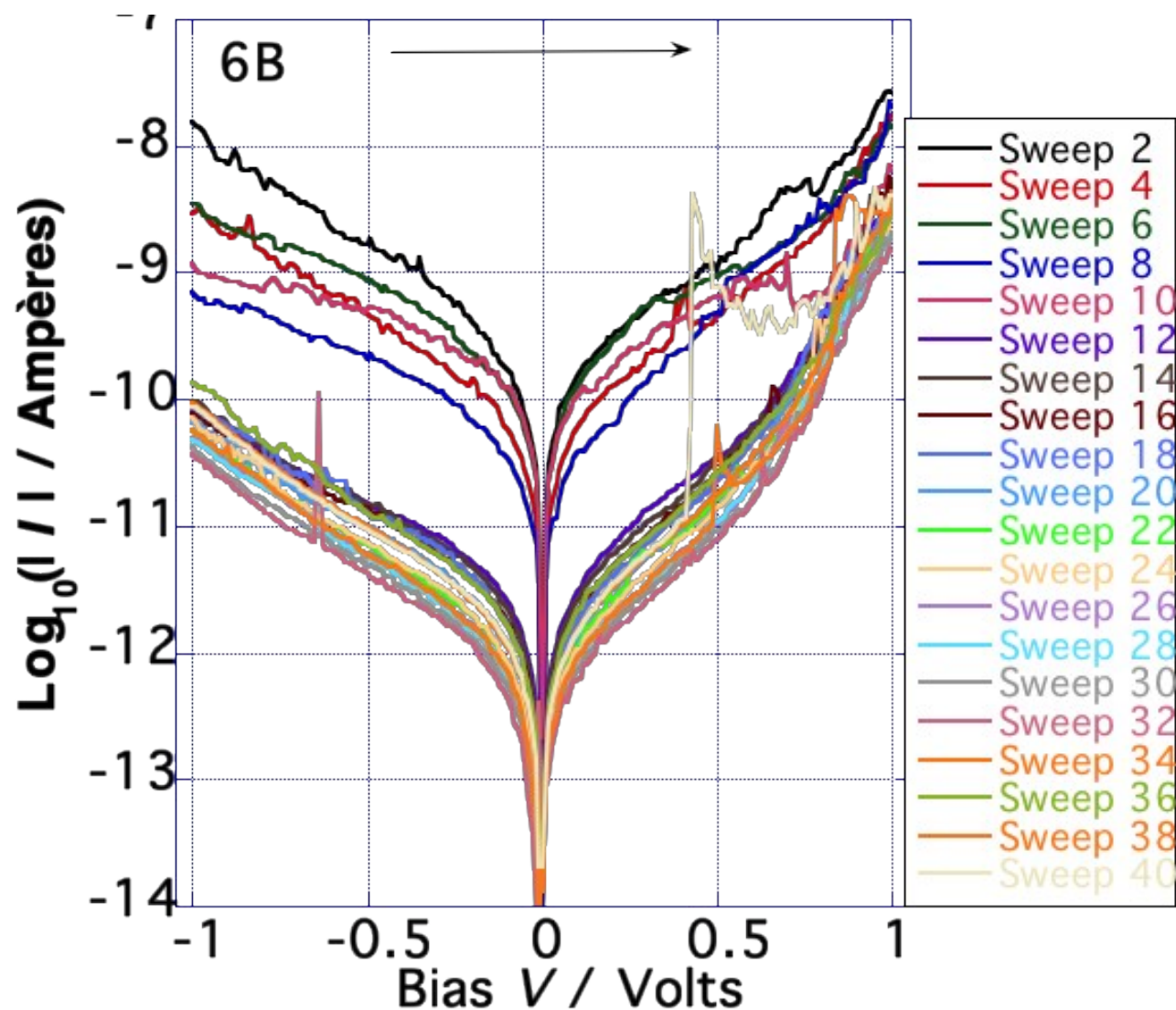


Fig 6B. Sandwich#3.N.to.P.Log(10)I.vs.V

Fig 6C. Sandwich#3.N.to.P.RR.vs.V.data

Voltage	Sweep 2	Sweep 4	Sweep 6	Sweep 8	Sweep 10
	Sweep 12	Sweep 14	Sweep 16	Sweep 18	Sweep 20
	Sweep 22	Sweep 24	Sweep 26	Sweep 28	Sweep 30
	Sweep 32	Sweep 34	Sweep 36	Sweep 38	Sweep 40
1.0000	1.6532	5.8396	3.9700	28.248	5.4504
	63.957	54.322	55.223	49.910	52.114
	57.840	42.682	64.158	42.233	48.240
	41.366	63.438	22.134	45.280	45.215
0.99000	1.8756	5.0287	4.4068	34.475	6.7006
	54.855	45.618	73.470	37.592	37.997
	52.091	32.827	56.157	39.982	39.404
	45.348	61.507	19.799	30.658	47.809
0.98000	1.8975	4.3839	3.7074	22.228	4.8975

	49.741	41.344	50.380	31.590	41.148
	40.399	32.442	54.716	35.658	51.630
	36.352	59.445	18.548	36.869	38.641
0.97000	1.7506	5.1512	4.0063	16.722	4.7718
	41.889	38.349	60.261	32.335	45.545
	35.482	31.242	42.084	43.625	43.711
	39.862	70.042	15.423	31.693	49.387
0.96000	1.9195	4.3678	3.9644	17.141	4.9095
	36.886	47.500	51.070	30.185	46.986
	30.201	28.289	41.188	31.503	40.181
	35.179	65.234	14.722	26.618	43.387
0.95000	1.8633	4.6553	4.0183	14.313	3.9826
	37.088	42.219	50.379	30.687	35.332
	29.583	29.531	41.676	29.984	37.471
	33.676	66.095	12.346	28.394	67.685
0.94000	1.8154	4.1880	2.9309	13.472	3.8081
	35.250	57.872	41.775	24.169	32.087
	40.852	24.518	35.828	26.270	33.530
	33.619	76.703	12.296	26.509	43.349
0.93000	1.6705	3.6144	2.5536	12.550	2.9530
	30.653	26.130	48.316	24.296	31.721
	36.481	25.580	36.339	28.251	30.033
	28.607	62.737	11.664	24.753	31.761
0.92000	1.7724	4.6424	3.0907	9.0936	2.5310
	28.198	23.239	34.195	20.565	25.958
	30.439	23.252	30.202	23.224	32.773
	26.252	80.747	11.259	25.419	29.510
0.91000	1.5359	3.9080	2.3940	9.1000	2.5430
	27.968	23.885	32.197	19.618	23.966
	27.618	20.134	28.489	21.288	28.606
	22.671	84.023	10.705	21.933	26.320
0.90000	1.5305	2.9784	2.6833	9.5070	2.1554
	25.754	21.737	23.725	19.157	19.198
	19.996	16.410	24.945	20.399	32.954
	23.175	68.956	12.713	17.986	65.843
0.89000	1.2152	2.6120	2.9575	9.9891	1.8652
	27.060	20.047	22.008	23.334	18.394
	17.298	14.476	20.682	22.408	25.650
	22.737	115.87	10.839	21.725	35.056
0.88000	0.93573	2.6609	2.6748	8.7928	2.1540
	23.917	20.048	20.555	26.239	16.733
	16.726	14.802	18.067	27.841	20.076
	22.574	133.92	9.0577	16.043	22.825
0.87000	1.0828	2.0753	2.8728	9.0969	1.7129
	21.285	17.016	20.327	17.609	18.941
	13.642	12.395	16.260	19.108	17.086
	19.842	131.09	9.2181	16.200	19.606
0.86000	1.2534	1.8615	2.5225	7.9224	1.4642
	21.923	21.745	16.654	16.746	15.489
	15.055	13.228	16.322	17.441	13.458
	16.247	125.73	9.6412	13.535	26.746
0.85000	1.1266	1.6480	2.1502	7.1048	1.4314
	15.764	13.296	16.145	15.133	15.354
	11.277	10.798	14.587	17.908	13.226
	15.793	94.432	8.5600	14.756	23.941
0.84000	1.1672	1.1394	2.2196	6.2598	1.2318
	15.637	10.198	13.894	13.772	15.094
	11.191	13.831	14.905	12.546	12.109
	14.814	117.36	10.378	8.3400	20.630
0.83000	0.99355	1.1409	1.8320	5.8822	1.1979
	14.409	11.659	13.714	16.285	12.107
	11.328	12.907	15.432	14.402	15.022
	14.732	8.9556	7.6790	7.5874	19.835
0.82000	0.99368	1.6781	1.7597	5.7373	0.94640

	15.414	9.9247	12.333	9.3567	9.1272
	11.485	12.550	9.3216	11.016	10.883
	12.748	8.0341	5.1699	6.2716	16.838
0.81000	0.93132	1.5901	1.5949	6.9515	0.98798
	11.694	8.8680	10.759	10.741	11.225
	9.5151	13.288	7.7251	10.461	10.221
	10.564	7.6474	5.5569	7.2662	18.360
0.80000	0.92894	1.4840	1.3371	6.7650	0.92947
	10.104	8.9160	10.679	10.699	11.746
	9.1070	11.504	7.8248	7.0679	8.6017
	8.3497	6.6774	5.0244	6.2442	17.474
0.79000	0.93021	1.4808	1.3159	8.3180	0.85378
	9.9743	7.3995	8.1568	12.836	6.6583
	9.9831	18.749	6.2484	7.1297	8.1813
	8.3708	6.4087	4.7927	6.0126	21.520
0.78000	0.72938	1.5654	1.3352	5.6012	0.83831
	9.2451	7.2283	6.8466	11.278	5.9765
	8.5651	18.302	6.4613	6.4858	7.5300
	7.1171	6.2329	4.7126	5.1712	16.567
0.77000	0.84007	1.4002	1.2975	5.6435	0.70810
	7.2071	7.0624	6.5204	7.6491	5.8394
	8.0087	6.3549	5.9704	6.1081	6.5556
	7.5603	5.6601	5.1706	5.2523	16.143
0.76000	1.1257	1.3620	1.4988	6.6860	0.69253
	7.7598	6.9211	6.2172	6.5768	5.6517
	7.5601	5.3053	5.0705	6.2287	7.1137
	6.1345	5.0111	4.8914	4.9725	19.793
0.75000	1.1058	1.5851	1.4753	5.5745	0.84415
	6.9688	6.4253	5.9597	8.0408	5.3514
	6.2028	5.6437	5.3660	5.8665	5.6006
	6.0152	4.6603	4.1183	4.4193	23.142
0.74000	1.0384	1.4984	1.4477	5.6315	0.83445
	7.2229	5.7803	5.6847	6.1020	6.7001
	6.1469	4.6269	4.8585	4.9982	6.0112
	5.3337	4.1110	3.4283	4.2148	24.077
0.73000	1.1350	1.4613	1.2154	6.0286	0.76744
	6.1064	5.4041	6.1093	5.7986	6.6419
	5.4378	4.4612	4.5019	4.8003	6.2993
	6.1207	4.1769	3.3077	3.9645	22.367
0.72000	1.0507	1.1329	1.1022	5.2863	0.70812
	5.8539	5.0976	5.7434	5.6394	5.3600
	4.8216	4.3277	4.9446	4.6450	4.6655
	5.2622	3.9643	2.9672	3.7116	16.483
0.71000	1.1362	1.1659	1.0877	5.0667	0.78473
	5.7350	4.9140	4.8638	4.7480	5.2116
	4.6641	5.3581	5.0676	4.0456	4.2781
	5.2680	4.2049	3.3819	3.5328	19.999
0.70000	1.2071	1.2578	1.0892	5.1322	1.7784
	5.0603	4.3946	4.6111	3.9540	4.8033
	4.3633	5.1029	4.7764	3.8272	3.7915
	4.3364	3.7468	2.8352	3.3647	18.938
0.69000	1.1764	1.3598	1.0685	4.8195	1.0281
	4.8623	4.1864	4.5391	4.1043	4.3793
	3.9091	3.6332	4.3896	3.7362	3.5177
	4.0623	3.8519	2.7705	3.2224	17.535
0.68000	1.2511	1.2518	1.1849	4.8907	0.97621
	4.5086	4.1415	3.9091	3.3435	4.8356
	3.6259	3.4047	4.3124	3.4295	3.3526
	3.6104	3.5593	2.5672	3.0952	17.900
0.67000	1.1101	1.2484	1.0894	4.6393	1.0876
	4.1727	4.0169	5.4615	3.6449	3.5170
	3.6862	3.2174	3.7839	3.1902	2.9823
	2.9785	3.4272	2.5590	3.0010	21.504
0.66000	1.0475	1.1132	1.0551	4.8863	1.2353

	3.8050	3.7276	5.9805	2.9741	3.6444
	3.8275	3.2961	3.4475	3.1564	2.9834
	3.0580	3.2345	2.2858	3.0044	24.041
0.65000	0.97134	1.3082	1.0582	4.5272	1.4317
	3.8291	3.2365	4.6360	3.1583	3.4546
	3.6007	3.1186	3.3337	3.2410	3.0035
	3.1505	3.2471	2.5226	2.8188	31.960
0.64000	1.0148	1.2839	0.96902	4.2635	1.3606
	3.4938	3.0762	3.1802	3.1341	3.3159
	3.2877	3.1296	2.8010	3.0750	3.0083
	0.18751	3.2222	2.5054	2.7536	31.187
0.63000	0.96574	1.2481	0.99930	4.1210	1.1998
	3.3831	3.2760	3.0237	1.9639	2.6825
	3.1057	2.8709	2.6583	3.1305	2.6293
	5.4257	3.0291	2.5056	2.7407	23.437
0.62000	0.87928	1.2573	1.0025	4.0282	1.2935
	3.2020	3.0602	2.8149	1.7312	2.7354
	2.9682	2.8339	2.7061	2.8492	2.4813
	2.8544	3.1589	2.7615	2.5563	22.223
0.61000	0.91146	1.2689	0.96668	3.8830	1.1996
	3.0387	2.9545	2.9698	2.0940	2.8399
	2.8723	2.9334	2.5950	2.8853	2.3930
	2.6641	3.0691	2.5375	2.6145	27.423
0.60000	0.97063	1.2072	1.0004	4.0996	1.5187
	3.0586	2.9501	2.8157	2.0227	2.4729
	2.7353	2.8259	2.4129	2.6484	2.3875
	2.3738	2.7967	2.5264	2.4724	36.629
0.59000	0.91064	1.1700	0.96710	3.8655	1.3667
	2.9854	2.6246	2.8188	1.8398	2.4770
	2.6929	2.5689	2.2998	2.6864	2.1960
	2.3980	2.9270	2.3026	2.3374	27.077
0.58000	0.90736	1.0692	0.92019	3.9196	1.5700
	2.7675	2.6234	2.8498	1.7025	2.4630
	2.4928	2.4342	2.3805	2.3784	2.0346
	2.2685	2.8034	2.4202	2.3198	32.801
0.57000	0.91909	0.91967	0.94155	3.6410	1.6158
	2.9103	2.4029	2.4975	1.5764	2.3674
	2.7924	2.3673	2.2155	2.2594	2.0848
	2.1367	2.7265	2.2270	2.2014	43.315
0.56000	0.94256	1.0775	1.0780	3.5982	1.5872
	2.7094	2.4182	2.4813	1.4323	2.2643
	3.2775	2.3173	2.0841	2.2398	2.0851
	2.2876	2.8025	2.2310	2.1834	55.102
0.55000	0.74862	1.0371	1.1326	3.6320	1.6314
	2.5929	2.1403	2.3174	1.8661	2.0784
	3.0349	2.2460	1.9638	2.2384	2.1033
	2.2162	2.7105	2.3399	2.0975	47.442
0.54000	0.79980	0.98491	1.0950	3.7890	1.2344
	2.3299	2.2974	2.3232	1.8599	1.9091
	2.8552	2.2000	1.9323	2.2198	2.1635
	2.1339	2.8200	2.2539	2.0549	52.513
0.53000	0.74097	0.96273	1.0531	3.7635	1.3009
	2.2629	2.2258	2.0477	1.7717	1.7374
	2.6252	2.0173	1.9618	2.1378	1.9752
	2.1447	4.0164	2.1931	2.0009	52.039
0.52000	0.70389	0.98248	1.0964	3.3006	1.4666
	2.2992	2.0481	2.0174	1.8732	1.8274
	2.3686	1.9117	1.8040	1.8830	1.8058
	1.9493	4.1356	2.1006	1.8745	69.379
0.51000	0.78699	0.97435	1.0607	2.0032	1.2914
	2.3292	2.2105	1.9738	1.8285	1.7231
	2.4145	1.8477	1.7816	1.8775	1.8251
	1.8864	5.2744	2.1077	1.7985	81.070
0.50000	0.64551	0.94561	1.0868	2.3137	1.2569

	2.2982	2.3864	1.8736	1.8475	1.6206
	2.2542	1.8304	1.7360	1.9500	1.8660
	1.8678	10.677	2.0758	1.7268	79.764
0.49000	0.65032	0.89964	1.0773	2.0469	1.1597
	2.2140	2.3438	1.8766	1.6958	1.5929
	2.3541	1.8421	1.6980	1.9885	1.8474
	1.8689	1.7861	2.0280	1.7605	82.782
0.48000	0.70221	0.89720	1.0814	2.2601	1.1683
	2.3046	2.0764	1.8502	1.7389	1.5708
	2.1969	1.7681	1.7300	1.8893	1.7682
	1.8276	1.8066	1.9371	1.7253	174.01
0.47000	0.81898	0.91694	1.1499	2.1154	1.1022
	2.2443	1.8394	1.7610	1.6566	1.5299
	2.1672	1.6441	1.6624	1.8860	1.7022
	1.8230	1.7622	1.8681	1.6809	148.53
0.46000	0.70143	1.0827	1.2288	2.3024	1.2167
	2.1893	1.8270	1.6374	1.5529	1.5597
	2.0892	1.5963	1.6870	1.7584	1.6904
	1.6543	1.7490	1.7194	1.6201	168.51
0.45000	0.76845	1.1566	1.0528	1.7640	1.1075
	2.1381	1.8169	1.6445	1.4500	1.4710
	2.1004	1.5939	1.5976	1.8013	1.7114
	1.5899	1.6627	1.7060	1.5973	322.00
0.44000	0.69827	1.0647	1.1717	1.7795	1.0166
	1.9109	1.6573	1.6707	1.3440	1.4291
	2.0889	1.5937	1.5364	1.6387	1.5854
	1.7355	1.6438	1.7135	1.5652	436.53
0.43000	0.71157	1.1070	1.0509	1.7058	1.1437
	2.0149	1.7069	1.6336	1.3665	1.3350
	1.9431	1.6331	1.5870	1.6233	1.5678
	1.9536	1.5401	1.6909	1.5900	596.56
0.42000	0.68697	1.1014	1.0148	1.5766	1.1364
	1.9503	1.6930	1.5992	1.3845	1.3997
	1.8544	1.5505	1.6532	1.5784	1.6387
	1.5908	1.3616	1.6660	1.5363	8.3395
0.41000	0.57524	2.2155	0.98706	1.5147	1.0003
	1.8708	1.6154	1.6411	1.4207	1.3641
	1.8276	1.6602	1.5962	1.4796	1.7054
	1.8086	1.4065	1.3035	1.5036	1.7360
0.40000	0.61164	2.1206	1.0421	1.5669	1.0718
	1.8134	1.6873	1.5440	1.4106	1.3578
	1.8340	1.6410	1.5388	1.5080	1.6492
	1.5986	1.4692	1.6261	1.5218	1.7203
0.39000	0.61049	1.6814	1.0572	1.5449	1.0395
	1.8524	1.5543	1.5984	1.3264	1.3890
	1.8054	1.6223	1.4860	1.5931	1.4864
	1.6245	1.4764	1.5495	1.4723	1.7625
0.38000	0.68189	2.0189	1.0121	1.5455	1.1080
	1.8318	1.4890	1.5666	1.2214	1.2861
	1.7659	1.6004	1.4934	1.5367	1.5806
	1.5657	1.4197	1.4988	1.4928	1.6341
0.37000	0.65605	1.1642	1.0019	1.4582	1.0175
	1.7858	1.4615	1.5447	1.2011	1.3137
	1.8558	1.4484	1.3737	1.4818	1.5270
	1.4862	1.4708	1.4349	1.4040	1.5425
0.36000	0.65532	1.0962	1.0558	1.6107	1.0888
	1.8042	1.5417	1.5992	1.1927	1.3171
	1.8333	1.3651	1.3681	1.4984	1.3541
	1.4239	1.5072	1.4528	1.4053	1.4874
0.35000	0.56063	1.0503	1.0842	1.3949	1.1983
	1.7195	1.4481	1.5264	1.2328	1.2359
	1.8523	1.3901	1.3855	1.3715	1.4449
	1.4444	1.4041	1.4514	1.4186	1.4924
0.34000	0.67529	1.0024	1.2906	1.2659	1.1224

	1.7272	1.4810	1.4540	1.1475	1.2123
	1.8665	1.3666	1.3826	1.3849	1.4980
	1.3772	1.4030	1.4317	1.3604	1.4753
0.33000	0.77256	1.0548	1.2346	1.2329	1.1280
	1.6934	1.4428	1.4444	1.1448	1.2250
	1.9766	1.2967	1.3023	1.4034	1.4836
	1.4009	1.3941	1.4303	1.4024	1.4465
0.32000	0.74499	1.1160	1.3314	1.2845	1.2015
	1.5944	1.4836	1.3722	1.0556	1.2445
	1.8824	1.2767	1.3151	1.4254	1.4741
	1.3476	1.3312	1.3975	1.3803	1.4509
0.31000	0.76786	1.1224	1.3131	1.3158	1.0944
	1.6766	1.3783	1.4026	1.0766	1.2331
	1.8201	1.2394	1.3919	1.4241	1.4292
	1.3557	1.3322	1.4065	1.3630	1.4204
0.30000	0.70350	1.1869	1.2635	1.2206	0.89472
	1.6118	1.4048	1.3953	1.0708	1.2445
	1.9071	1.2567	1.2677	1.4065	1.4131
	1.3490	1.2481	1.3525	1.3837	1.4064
0.29000	0.68186	0.96152	1.3122	1.1243	0.89342
	1.6455	1.3582	1.3544	1.0164	1.1615
	2.1220	1.2875	1.2461	1.3278	1.3592
	1.2849	1.2648	1.3784	1.3818	1.4181
0.28000	0.70269	0.96554	1.2902	1.1454	0.89955
	1.5064	1.3523	1.3704	1.0647	1.1567
	2.1246	1.1944	1.2542	1.3363	1.3869
	1.3006	1.2551	1.3401	1.3705	1.4278
0.27000	0.66477	0.98171	1.2999	1.1744	1.0348
	1.4665	1.3379	1.3284	0.99176	1.1654
	2.0485	1.2333	1.2895	1.3380	1.3859
	1.3313	1.2403	1.2931	1.3110	1.4441
0.26000	0.70855	1.1066	1.2057	1.1772	0.95861
	1.4652	1.3841	1.3225	0.95712	1.1444
	2.0514	1.2305	1.2162	1.2990	1.4229
	1.2625	1.2896	1.3368	1.3420	1.3657
0.25000	0.75574	1.0396	1.3345	1.1752	1.0278
	1.4599	1.3228	1.3155	1.0059	1.1828
	1.9549	1.1875	1.2488	1.2908	1.3176
	1.1987	1.2754	1.3712	1.3323	1.3644
0.24000	0.66694	1.0362	1.2233	1.1084	0.97657
	1.5073	1.2729	1.2152	0.98381	1.2104
	1.4412	1.1875	1.2424	1.3175	1.3396
	1.2083	1.2938	1.3295	1.2578	1.3131
0.23000	0.68415	1.0138	1.1700	1.0314	1.0230
	1.4060	1.2278	1.3032	1.0252	1.2019
	1.3911	1.1423	1.1969	1.3220	1.3931
	1.2409	1.2222	1.3398	1.3413	1.3269
0.22000	0.73956	1.0192	1.2229	0.87513	0.97630
	1.3415	1.2490	1.2370	1.0479	1.2089
	1.3756	1.1518	1.2167	1.3727	1.2986
	1.2385	1.2914	1.3410	1.2787	1.3287
0.21000	0.77956	1.0079	1.2446	0.91299	0.94573
	1.4140	1.2184	1.2349	1.0169	1.1444
	1.3447	1.1564	1.2164	1.3933	1.3134
	1.2459	1.2308	1.2887	1.3130	1.3132
0.20000	0.78204	0.86540	1.2827	0.94939	0.87741
	1.3581	1.2799	1.2500	0.99000	1.1728
	1.3077	1.1212	1.1585	1.2549	1.2598
	1.2269	1.2025	1.3219	1.3012	1.3156
0.19000	0.84036	0.92422	1.1181	1.0005	0.83526
	1.3537	1.3028	1.1905	1.0694	1.2129
	1.6270	1.1344	1.2483	1.3507	1.3025
	1.2941	1.2282	1.2743	1.2542	1.2816
0.18000	0.84904	1.0623	1.1825	1.0388	0.74218

	1.2818	1.2417	1.2113	1.0114	1.2059
	1.3512	1.1834	1.1831	1.2263	1.2857
	1.3085	1.1712	1.2722	1.2870	1.2827
0.17000	0.78247	0.94359	1.1833	0.95267	0.67437
	1.3371	1.2071	1.1604	0.97935	1.1878
	1.3019	1.1790	1.2302	1.2047	1.3235
	1.3882	1.1269	1.2500	1.2657	1.2558
0.16000	0.79489	0.94131	1.2326	0.97531	0.70380
	1.2494	1.2137	1.2222	1.0065	1.1863
	1.3014	1.1006	1.2609	1.2870	1.3085
	1.7625	1.1406	1.2679	1.2708	1.2537
0.15000	0.78182	0.92278	1.1442	0.97513	0.74982
	1.2405	1.2064	1.2276	1.0623	1.1606
	1.3603	1.1338	1.2547	1.3333	1.2333
	1.3889	1.2342	1.2405	1.2955	1.1958
0.14000	0.87200	0.91690	1.1197	0.98729	0.73396
	1.2411	1.2320	1.1880	1.0486	1.1371
	1.3852	1.1654	1.2653	1.1980	1.2840
	1.3188	1.2800	1.3193	1.2778	1.2045
0.13000	0.87195	0.93021	1.1031	0.95456	0.70843
	1.2440	1.2041	1.1653	1.1050	1.2500
	1.3707	1.1624	1.3000	1.2472	1.2973
	1.3607	1.2292	1.3710	1.2566	1.2250
0.12000	0.91728	0.89454	1.1065	0.98813	0.91279
	1.2375	1.2491	1.2055	1.0640	1.2836
	1.3529	1.1845	1.2439	1.3418	1.2794
	1.4444	1.2235	1.2814	1.3015	1.1986
0.11000	0.94737	1.0648	1.1014	1.0858	0.93085
	1.1744	1.2181	1.1827	1.0978	1.1746
	1.3333	1.1042	1.3380	1.3099	1.3115
	1.2549	1.2500	1.2431	1.2640	1.1704
0.10000	0.92444	1.0084	1.0695	1.0827	0.84922
	1.2072	1.1765	1.1802	1.0595	1.1351
	1.3750	1.3086	1.3175	1.3443	1.2632
	1.3953	1.2817	1.3168	1.3214	1.2101
0.090000	0.84544	1.0362	1.0544	1.1147	0.83500
	1.1696	1.1786	1.1765	1.1449	1.1400
	1.3784	1.3333	1.4510	1.3725	1.3265
	1.6111	1.3167	1.3050	1.2828	1.1963
0.080000	0.93995	1.0372	1.1755	1.0565	0.80240
	1.1837	1.2275	1.1223	1.1085	1.2093
	1.4516	1.2813	1.5778	1.3617	1.4615
	1.8571	1.3400	1.3200	1.2727	1.2447
0.070000	0.90311	1.0170	1.2058	1.0743	0.82233
	1.1494	1.2027	1.2281	1.1081	1.3099
	1.4706	1.3585	1.6053	1.4359	1.5455
	1.6400	1.4222	1.3302	1.3194	1.3158
0.060000	0.97437	1.0253	1.0159	1.0808	0.85313
	1.2014	1.2295	1.2083	1.2000	1.3387
	1.5610	1.4762	1.7097	1.5152	1.5000
	2.2500	1.5294	1.2947	1.3492	1.3077
0.050000	1.1015	0.94300	1.0285	0.90684	0.80725
	1.1933	1.2500	1.1772	1.2466	1.4348
	1.6970	1.4571	1.7200	1.8636	1.9474
	2.2143	1.5769	1.3056	1.4167	1.4583
0.040000	0.93619	0.93040	1.0119	0.87157	1.0172
	1.2747	1.2625	1.2188	1.3585	1.6471
	1.9167	1.7600	1.8333	1.8824	2.3077
	3.8571	1.7778	1.3214	1.4595	1.4500
0.030000	1.0449	0.95527	0.96225	1.1114	0.83456
	1.3030	1.5098	1.5128	1.5526	1.9048
	2.5000	2.4286	2.7000	2.5000	2.8750
	4.7500	2.8889	1.4737	1.6667	1.6538
0.020000	1.0516	0.98673	0.95798	1.0394	0.97913

	1.5135	1.8276	1.7500	1.7727	2.6000
	5.0000	3.0000	20.000	0.0000	7.5000
	11.000	4.5000	1.7273	2.7273	2.0714
0.0100000	0.95395	1.0160	0.95400	1.0810	0.87264
	2.6667	4.3333	5.0000	5.0000	3.5000
	2.2000	2.2000	1.6667	1.8000	1.5000
	0.21951	1.2500	4.0000	17.000	7.0000

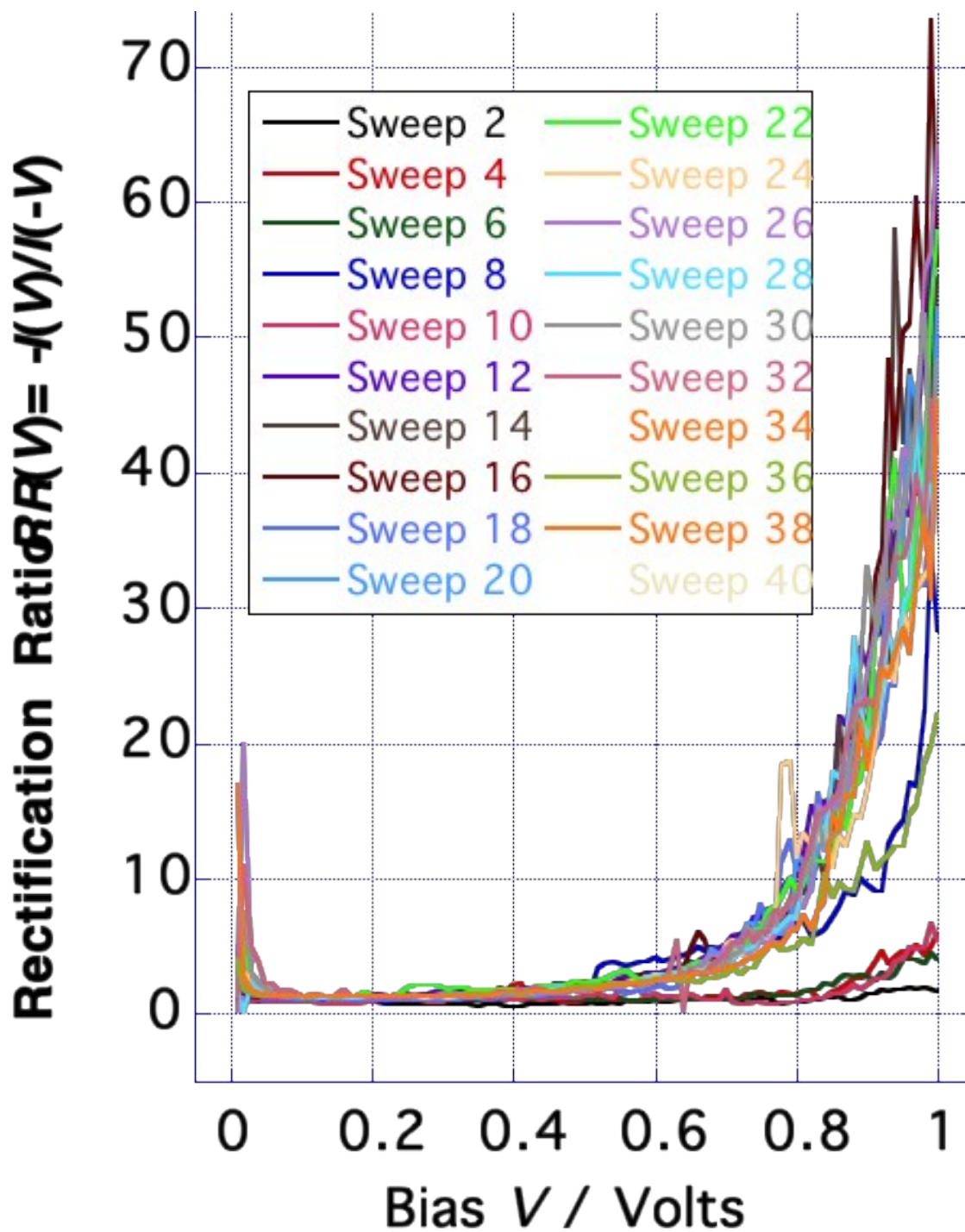


Fig.6C. Sandwich#3.N.to.P.RR

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Fig.6D. Sandwich#3.P.to.N.IV data

Voltage	Sweep 1 Sweep 11 Sweep 21 Sweep 31	Sweep 3 Sweep 13 Sweep 23 Sweep 33	Sweep 5 Sweep 15 Sweep 25 Sweep 35	Sweep 7 Sweep 17 Sweep 27 Sweep 37	Sweep 9 Sweep 19 Sweep 29 Sweep 39
1.0000	0.081600 0.0070600 0.0034100 0.0018800	0.026700 0.0054000 0.0024700 0.0015400	0.017800 0.0044400 0.0022700 0.0041000	0.014100 0.0038700 0.0032300 0.0031500	0.016800 0.0050900 0.0022200 0.0041300
0.99000	0.089900 0.0059700 0.0033300 0.0017300	0.027900 0.0036500 0.0025900 0.0015800	0.021600 0.0046300 0.0021900 0.0036000	0.017500 0.0043200 0.0031700 0.0026700	0.015000 0.0036900 0.0017500 0.0039300
0.98000	0.074200 0.0056400 0.0034900 0.0014800	0.027300 0.0040100 0.0021000 0.0014600	0.018900 0.0040200 0.0021000 0.0033400	0.017600 0.0034900 0.0023500 0.0029600	0.015400 0.0028800 0.0013900 0.0030100
0.97000	0.069800 0.0066200 0.0029200 0.0013300	0.023900 0.0038800 0.0023100 0.0017100	0.017800 0.0030100 0.0020600 0.0031200	0.013800 0.0034600 0.0021800 0.0023700	0.013600 0.0025600 0.0015000 0.0050600
0.96000	0.070800 0.0064700 0.0029200 0.0012400	0.018700 0.0035900 0.0020300 0.0014100	0.018700 0.0038200 0.0019300 0.0039600	0.013500 0.0024600 0.0019900 0.0021500	0.010800 0.0021700 0.0011500 0.0025600
0.95000	0.049300 0.0049200 0.0024700 0.0014700	0.019000 0.0030200 0.0016100 0.0014200	0.016600 0.0030400 0.0016400 0.0029900	0.012600 0.0021100 0.0018500 0.0019100	0.010100 0.0019000 0.0010700 0.0023100
0.94000	0.047700 0.0040900 0.0025100 0.0010600	0.018300 0.0025900 0.0015300 0.0012700	0.011400 0.0022600 0.0016700 0.0028800	0.012100 0.0022700 0.0019300 0.0018200	0.0098200 0.0019400 0.00095400 0.0021100
0.93000	0.048400 0.0037900 0.0017000 0.00094700	0.016700 0.0022000 0.0014400 0.0011600	0.010700 0.0025100 0.0016100 0.0022500	0.011700 0.0019900 0.0020200 0.0018100	0.0086400 0.0017800 0.0011000 0.0019000
0.92000	0.041400 0.0036100 0.0018400 0.00088800	0.016200 0.0022800 0.0011100 0.0010200	0.0098900 0.0022500 0.0011700 0.0018400	0.012300 0.0020400 0.0020200 0.0015700	0.0091600 0.0017100 0.00096400 0.0018800
0.91000	0.038000 0.0032000 0.0014000 0.00082200	0.013700 0.0020800 0.0010200 0.00086400	0.010600 0.0019700 0.0011400 0.0017100	0.010400 0.0016300 0.0018500 0.0011100	0.0089200 0.0011600 0.00067800 0.0017200
0.90000	0.032700 0.0036000 0.0013400 0.00083300	0.012100 0.0023800 0.00085400 0.00087000	0.0080600 0.0018100 0.00097600 0.0018600	0.0098200 0.0014900 0.0015800 0.0010400	0.0074600 0.0012700 0.00059200 0.0016800
0.89000	0.031900 0.0021000 0.0014200 0.00079400	0.010600 0.0026400 0.00093000 0.00067000	0.0076700 0.0019600 0.00071200 0.0015700	0.0088000 0.0012600 0.0012400 0.00092500	0.0068600 0.00097700 0.00067100 0.0016600
0.88000	0.027800 0.0019100 0.0013000 0.00066900	0.014500 0.0024000 0.00084800 0.00066000	0.0065000 0.0016500 0.00066800 0.0013400	0.0083600 0.0012400 0.0010400 0.00099400	0.0057400 0.00092900 0.00066000 0.0011300
0.87000	0.022800 0.0016300 0.00085200 0.00059800	0.010600 0.0018300 0.00088500 0.00053600	0.0060800 0.0016200 0.00052400 0.0012900	0.0061400 0.0011700 0.0010600 0.00065200	0.0056400 0.00076400 0.00055000 0.00099300
0.86000	0.023800	0.0086000	0.0054000	0.0051900	0.0058100

	0.0017000	0.0011600	0.0012800	0.00076800	0.00069300
	0.00099800	0.00082900	0.00045000	0.00095000	0.00051700
	0.00046500	0.00050700	0.0014700	0.00061300	0.00083500
0.85000	0.024800	0.011100	0.0050000	0.0046200	0.0062900
	0.0022900	0.0010900	0.0010200	0.00077800	0.00067400
	0.00074600	0.00081300	0.00047600	0.00079600	0.00048600
	0.00043800	0.00042000	0.0010400	0.00052200	0.00060700
0.84000	0.018900	0.0081400	0.0039900	0.0046600	0.0054100
	0.0015600	0.00088400	0.0010400	0.00086100	0.00062600
	0.00058600	0.00064400	0.00039200	0.00070600	0.00035400
	0.00036200	0.00040200	0.00089300	0.00045900	0.00057300
0.83000	0.017600	0.010600	0.0038900	0.0046600	0.0044700
	0.0013400	0.00082000	0.0010200	0.00067100	0.00064800
	0.00048400	0.00060600	0.00038500	0.00064400	0.00031600
	0.00033400	0.00034500	0.00068500	0.00047000	0.00049800
0.82000	0.019100	0.0075500	0.0038800	0.0044800	0.0043100
	0.0013700	0.00072100	0.00081700	0.00057600	0.00050300
	0.00037800	0.00047600	0.00043700	0.00046800	0.00024700
	0.00032900	0.00027500	0.00063400	0.00036400	0.00049600
0.81000	0.016900	0.0071300	0.0028400	0.0044600	0.0042000
	0.0010300	0.00062400	0.00092300	0.00046300	0.00043000
	0.00039300	0.00048800	0.00036000	0.00053100	0.00025100
	0.00029900	0.00025600	0.00055400	0.00032300	0.00049900
0.80000	0.016400	0.0071000	0.0028300	0.0038500	0.0038100
	0.00075900	0.00056400	0.00055600	0.00046300	0.00036300
	0.00035300	0.00032800	0.00029300	0.00044900	0.00021200
	0.00023800	0.00022900	0.00043300	0.00028700	0.00041100
0.79000	0.015400	0.0060300	0.0028100	0.0034000	0.0022500
	0.00070900	0.00061800	0.00061200	0.00044900	0.00033600
	0.00033800	0.00028100	0.00023600	0.00033600	0.00017000
	0.00020500	0.00022700	0.00040600	0.00028300	0.00033600
0.78000	0.015000	0.0061100	0.0027300	0.0026900	0.0019900
	0.00069500	0.00047600	0.00045400	0.00037000	0.00028000
	0.00028600	0.00025200	0.00025500	0.00023800	0.00014100
	0.00020100	0.00018700	0.00035500	0.00024000	0.00027800
0.77000	0.015200	0.0055600	0.0025500	0.0022300	0.0018600
	0.00065600	0.00041800	0.00038700	0.00037600	0.00024500
	0.00022700	0.00022900	0.00023500	0.00021400	0.00013800
	0.00016500	0.00015300	0.00029900	0.00022200	0.00025200
0.76000	0.012500	0.0052400	0.0021900	0.0020200	0.0019500
	0.00099400	0.00037600	0.00030200	0.00032300	0.00022600
	0.00022500	0.00019700	0.00022300	0.00020200	0.00015500
	0.00014900	0.00014300	0.00031500	0.00019600	0.00036300
0.75000	0.013100	0.0048400	0.0021900	0.0017600	0.0017100
	0.00077200	0.00037500	0.00028500	0.00030200	0.00020800
	0.00023000	0.00017800	0.00016200	0.00018000	0.00012100
	0.00013000	0.00012400	0.00029400	0.00016500	0.00030800
0.74000	0.012600	0.0042700	0.0020700	0.0016700	0.0014900
	0.00042100	0.00031200	0.00025700	0.00029600	0.00016900
	0.00017100	0.00015700	0.00014600	0.00019000	0.00010500
	0.00011000	0.00010900	0.00024900	0.00015100	0.00018900
0.73000	0.012100	0.0039200	0.0020300	0.0014800	0.0014200
	0.00036100	0.00029400	0.00037300	0.00026400	0.00015100
	0.00015400	0.00014300	0.00011600	0.00015800	9.3400e-05
	9.8600e-05	0.00010100	0.00025600	0.00013700	0.00016900
0.72000	0.011100	0.0034700	0.0018700	0.0013100	0.0011800
	0.00031300	0.00027000	0.00032200	0.00026200	0.00015800
	0.00013600	0.00013400	0.00010700	0.00013400	7.7500e-05
	9.1400e-05	9.4000e-05	0.00024400	0.00012800	0.00014500
0.71000	0.0099000	0.0033000	0.0017200	0.0014800	0.0011600
	0.00022500	0.00022400	0.00025600	0.00025000	0.00014600
	0.00011500	0.00012000	9.6400e-05	0.00011100	6.9000e-05
	8.0300e-05	9.2500e-05	0.00020100	0.00011300	0.00013400
0.70000	0.0090100	0.0028000	0.0014400	0.0011300	0.0010300

	0.00024700	0.00020200	0.00020500	0.00022700	0.00012000
	0.00011400	0.00010600	8.4400e-05	9.8000e-05	6.3800e-05
0.69000	7.0300e-05	7.6800e-05	0.00018500	0.00010700	0.00012800
	0.0093000	0.0024300	0.0015100	0.0010200	0.00092600
	0.00020700	0.00017800	0.00019300	0.00021800	0.00011600
	9.8900e-05	9.3400e-05	8.6100e-05	8.7400e-05	5.5300e-05
0.68000	6.8100e-05	7.0000e-05	0.00016200	0.00013300	0.00011300
	0.0081900	0.0024400	0.0014300	0.00097400	0.00083800
	0.00018200	0.00016200	0.00017500	0.00016800	0.00010300
	1.0000e-04	8.5100e-05	6.7500e-05	8.8000e-05	5.4600e-05
0.67000	5.7000e-05	6.2500e-05	0.00016500	0.00010400	9.9100e-05
	0.0079300	0.0022200	0.0013000	0.0010200	0.00082100
	0.00016500	0.00015400	0.00016000	0.00015400	8.8200e-05
	8.5700e-05	7.4200e-05	6.1700e-05	7.1900e-05	4.5900e-05
0.66000	5.0900e-05	5.7300e-05	0.00016300	9.6100e-05	9.7700e-05
	0.0077900	0.0024000	0.0015400	0.00084600	0.00093900
	0.00017600	0.00014100	0.00014100	0.00015100	8.3900e-05
	8.0900e-05	6.9700e-05	5.5700e-05	7.1200e-05	4.3300e-05
0.65000	4.2200e-05	5.0400e-05	0.00013900	8.8500e-05	0.00010700
	0.0071700	0.0022900	0.0012700	0.00092600	0.00074900
	0.00015400	0.00013600	0.00013700	0.00014200	7.5900e-05
	7.8500e-05	6.5700e-05	5.2200e-05	6.7300e-05	3.9500e-05
0.64000	4.4500e-05	4.8400e-05	0.00012100	7.7100e-05	9.5800e-05
	0.0068900	0.0019000	0.0011500	0.00089800	0.00069700
	0.00013300	0.00011800	0.00013300	0.00012400	6.9400e-05
	7.6100e-05	5.5500e-05	5.0800e-05	5.7000e-05	3.6000e-05
0.63000	4.0900e-05	5.4100e-05	0.00012000	7.6200e-05	7.6900e-05
	0.0059300	0.0017300	0.00099700	0.00088300	0.00062400
	0.00012600	0.00011700	0.00011100	0.00011600	6.3200e-05
	6.2900e-05	5.1300e-05	4.6300e-05	4.7200e-05	3.4300e-05
0.62000	3.7200e-05	3.9800e-05	0.00011000	6.9700e-05	7.0800e-05
	0.0062000	0.0017000	0.00089100	0.00075300	0.00065500
	0.00013100	0.00010800	0.00010100	0.00010800	6.1100e-05
	5.5900e-05	4.8100e-05	4.1300e-05	4.2500e-05	3.0700e-05
0.61000	3.4200e-05	3.7400e-05	0.00010200	6.3200e-05	6.7800e-05
	0.0057700	0.0016200	0.00085100	0.00072400	0.00060900
	0.00012100	1.0000e-04	9.4000e-05	8.5700e-05	5.5500e-05
	5.4200e-05	4.3500e-05	3.7300e-05	3.6600e-05	2.9600e-05
0.60000	3.0600e-05	3.5100e-05	8.5900e-05	5.8100e-05	6.2300e-05
	0.0049000	0.0015000	0.00083000	0.00068400	0.00060500
	0.00010500	9.3000e-05	8.7100e-05	7.9300e-05	4.8500e-05
	5.4000e-05	4.2300e-05	3.4700e-05	3.5100e-05	2.7900e-05
0.59000	2.8600e-05	3.1500e-05	9.3400e-05	5.2700e-05	5.5600e-05
	0.0049300	0.0015400	0.00087300	0.00063800	0.00052500
	0.00011000	9.2400e-05	7.9900e-05	7.3300e-05	4.7600e-05
	4.5900e-05	3.8600e-05	3.3700e-05	3.3000e-05	2.5400e-05
0.58000	2.5200e-05	2.9600e-05	7.8200e-05	4.9600e-05	5.0000e-05
	0.0045400	0.0013500	0.00080400	0.00059600	0.00047600
	9.7300e-05	8.6200e-05	7.0500e-05	7.1800e-05	4.3300e-05
	4.3300e-05	3.5300e-05	3.0100e-05	2.9400e-05	2.4100e-05
0.57000	2.2900e-05	2.8800e-05	7.5100e-05	4.6600e-05	4.7200e-05
	0.0049500	0.0013200	0.00069600	0.00059700	0.00048000
	0.00010100	7.7500e-05	6.8800e-05	6.4900e-05	4.1500e-05
	3.9700e-05	3.3000e-05	2.8100e-05	2.7000e-05	2.2900e-05
0.56000	2.0000e-05	2.6200e-05	7.3400e-05	4.3300e-05	4.6800e-05
	0.0045000	0.0012200	0.00064400	0.00056700	0.00048600
	8.7200e-05	7.3100e-05	6.2800e-05	6.2100e-05	3.9100e-05
	3.5800e-05	3.0000e-05	2.6500e-05	2.6400e-05	2.1300e-05
0.55000	1.8800e-05	2.4500e-05	6.8600e-05	4.4400e-05	4.2200e-05
	0.0038300	0.0011400	0.00060100	0.00055300	0.00048800
	8.3400e-05	6.3800e-05	5.6900e-05	6.0400e-05	3.5900e-05
	3.2800e-05	2.8600e-05	2.4000e-05	2.4500e-05	1.9600e-05
0.54000	1.8300e-05	2.3800e-05	6.2000e-05	3.9200e-05	3.9300e-05
	0.0038600	0.0010200	0.00060300	0.00056300	0.00043400

	7.8000e-05	5.8300e-05	5.1300e-05	6.0700e-05	3.5000e-05
	3.0500e-05	2.6700e-05	2.1800e-05	2.2200e-05	1.8900e-05
	1.7000e-05	2.1900e-05	7.7800e-05	3.7000e-05	3.6700e-05
0.53000	0.0036800	0.0011800	0.00059800	0.00048000	0.00041700
	7.2200e-05	5.6400e-05	4.8800e-05	5.1700e-05	3.3900e-05
	2.9100e-05	2.4700e-05	2.0800e-05	2.0900e-05	1.7700e-05
	1.5800e-05	2.0900e-05	6.9400e-05	3.6700e-05	3.4500e-05
0.52000	0.0036100	0.0010700	0.00059300	0.00044300	0.00039000
	6.8500e-05	5.0100e-05	4.6300e-05	4.5700e-05	3.0700e-05
	2.7000e-05	2.4100e-05	1.8900e-05	1.9600e-05	1.6900e-05
	1.5100e-05	1.9800e-05	6.1300e-05	3.4400e-05	3.2100e-05
0.51000	0.0036600	0.0010100	0.00054200	0.00048300	0.00037600
	6.0800e-05	4.8200e-05	4.3900e-05	4.6400e-05	2.7600e-05
	2.4500e-05	2.2700e-05	1.8500e-05	1.8400e-05	1.6200e-05
	1.3800e-05	1.8200e-05	6.0000e-05	3.1600e-05	3.0100e-05
0.50000	0.0036100	0.00095700	0.00052200	0.00045400	0.00034300
	5.8200e-05	4.5100e-05	3.9700e-05	4.2000e-05	2.7300e-05
	2.4000e-05	2.1100e-05	1.7000e-05	1.6800e-05	1.4700e-05
	1.3400e-05	1.7200e-05	5.8700e-05	2.9500e-05	2.8500e-05
0.49000	0.0033100	0.00086800	0.00048200	0.00044900	0.00033100
	5.3500e-05	4.2200e-05	3.8500e-05	3.8700e-05	2.4200e-05
	2.2800e-05	1.9300e-05	1.5600e-05	1.6000e-05	1.4500e-05
	1.2500e-05	1.6300e-05	6.3800e-05	2.7400e-05	2.7200e-05
0.48000	0.0028900	0.00079400	0.00047300	0.00042600	0.00031500
	5.1000e-05	4.1200e-05	3.6700e-05	3.7200e-05	2.3600e-05
	2.1400e-05	1.9000e-05	1.4800e-05	1.5100e-05	1.4200e-05
	1.1500e-05	1.5200e-05	5.5500e-05	2.5600e-05	2.5700e-05
0.47000	0.0029600	0.00077500	0.00045000	0.00040100	0.00031400
	4.8800e-05	4.0400e-05	3.5400e-05	3.5100e-05	2.2900e-05
	2.0100e-05	1.8200e-05	1.3900e-05	1.4100e-05	1.3400e-05
	1.0600e-05	1.4400e-05	5.4500e-05	2.5300e-05	2.4200e-05
0.46000	0.0027900	0.00073900	0.00042900	0.00036100	0.00030100
	4.7300e-05	3.8900e-05	3.4400e-05	3.2400e-05	2.1200e-05
	1.8600e-05	1.7300e-05	1.3400e-05	1.3100e-05	1.2500e-05
	9.7700e-06	1.3600e-05	4.6500e-05	2.3400e-05	2.2700e-05
0.45000	0.0027700	0.00070700	0.00040900	0.00030500	0.00027700
	3.9100e-05	3.5400e-05	3.2900e-05	3.2500e-05	2.0200e-05
	1.7300e-05	1.6100e-05	1.2800e-05	1.2500e-05	1.1800e-05
	9.0200e-06	1.2800e-05	4.5800e-05	2.1500e-05	2.1600e-05
0.44000	0.0026500	0.00067400	0.00040200	0.00028100	0.0014000
	3.7200e-05	3.3500e-05	3.0500e-05	2.9100e-05	1.9300e-05
	1.7200e-05	1.5200e-05	1.1800e-05	1.1400e-05	1.1000e-05
	8.7400e-06	1.2300e-05	5.1600e-05	2.0900e-05	2.0900e-05
0.43000	0.0024400	0.00064800	0.00039400	0.00029300	0.0010700
	3.5100e-05	3.3700e-05	2.8900e-05	2.6200e-05	1.8000e-05
	1.5200e-05	1.4500e-05	1.1200e-05	1.0900e-05	1.0600e-05
	8.4000e-06	1.1400e-05	4.7700e-05	1.9900e-05	1.9500e-05
0.42000	0.0021200	0.00058700	0.00038200	0.00026900	0.0010400
	3.4100e-05	3.3600e-05	2.7600e-05	2.4800e-05	1.6900e-05
	1.4500e-05	1.3800e-05	1.0200e-05	1.0900e-05	9.6900e-06
	8.2500e-06	1.1000e-05	4.0300e-05	1.8400e-05	1.8800e-05
0.41000	0.0023000	0.00058300	0.00037500	0.00028000	0.0010000
	3.1600e-05	2.9800e-05	2.6600e-05	2.3500e-05	1.5800e-05
	1.4200e-05	1.2600e-05	9.7400e-06	9.8900e-06	9.4600e-06
	7.9200e-06	1.0500e-05	4.0300e-05	1.7800e-05	1.7500e-05
0.40000	0.0021100	0.00056200	0.00035200	0.00025700	0.00098400
	3.0100e-05	2.8400e-05	2.3500e-05	2.1400e-05	1.5100e-05
	1.3400e-05	1.2400e-05	9.4300e-06	9.1400e-06	8.8400e-06
	7.8900e-06	9.5200e-06	3.5200e-05	1.7100e-05	1.6200e-05
0.39000	0.0022300	0.00051000	0.00035200	0.00023800	0.00059800
	2.7700e-05	2.7100e-05	2.3800e-05	2.4400e-05	1.4600e-05
	1.2700e-05	1.1900e-05	8.6500e-06	8.8400e-06	8.4900e-06
	7.1800e-06	9.1700e-06	3.4200e-05	1.6500e-05	1.5500e-05
0.38000	0.0019200	0.00048500	0.00037100	0.00022000	0.00058900

	2.6300e-05	2.4900e-05	2.2900e-05	2.3000e-05	1.3600e-05
	1.1700e-05	1.0900e-05	8.5300e-06	8.1600e-06	7.6100e-06
	6.8200e-06	9.3000e-06	3.4800e-05	1.5700e-05	1.4700e-05
0.37000	0.0016800	0.00048300	0.00033500	0.00020800	0.00051500
	2.5300e-05	2.2500e-05	2.1800e-05	2.3700e-05	1.2700e-05
	1.0900e-05	1.0600e-05	7.9200e-06	7.7300e-06	7.3500e-06
	6.6500e-06	8.5900e-06	3.5300e-05	1.4500e-05	1.3700e-05
0.36000	0.0016500	0.00045700	0.00031500	0.00020000	0.00054600
	2.3800e-05	2.1000e-05	2.0800e-05	2.1700e-05	1.2300e-05
	1.0500e-05	9.9100e-06	7.5400e-06	7.3700e-06	6.8200e-06
	6.3300e-06	7.8700e-06	3.3400e-05	1.3900e-05	1.3200e-05
0.35000	0.0014500	0.00041100	0.00031300	0.00019800	0.00046600
	2.2100e-05	2.0400e-05	2.0600e-05	1.9800e-05	1.1400e-05
	1.0300e-05	9.7400e-06	7.1000e-06	6.7400e-06	6.3600e-06
	6.1200e-06	7.4500e-06	2.7000e-05	1.3600e-05	1.2200e-05
0.34000	0.0013800	0.00040700	0.00029800	0.00018800	0.00044400
	2.1500e-05	1.8900e-05	2.0400e-05	1.7200e-05	1.1200e-05
	9.4300e-06	8.9700e-06	6.6200e-06	6.6100e-06	6.0500e-06
	5.5500e-06	7.4100e-06	3.2800e-05	1.2600e-05	1.1800e-05
0.33000	0.0013400	0.00039700	0.00028000	0.00017900	0.00044000
	2.0000e-05	1.6900e-05	1.7800e-05	1.8200e-05	1.0000e-05
	9.0700e-06	8.4300e-06	6.4300e-06	6.1300e-06	5.4100e-06
	5.3200e-06	6.8800e-06	3.4100e-05	1.1700e-05	1.1100e-05
0.32000	0.0012500	0.00039100	0.00027200	0.00017000	0.00040700
	1.9200e-05	1.6500e-05	1.6500e-05	1.6500e-05	9.9100e-06
	8.1500e-06	7.8600e-06	5.9800e-06	5.6200e-06	5.2100e-06
	5.2700e-06	6.5300e-06	3.0400e-05	1.1100e-05	1.0700e-05
0.31000	0.0012300	0.00035100	0.00026300	0.00016400	0.00038400
	1.8300e-05	1.7000e-05	1.5000e-05	1.4900e-05	9.2200e-06
	7.7400e-06	7.4300e-06	5.8200e-06	5.3800e-06	4.8400e-06
	5.0000e-06	6.2800e-06	2.8700e-05	1.0700e-05	1.0000e-05
0.30000	0.0010900	0.00035000	0.00024200	0.00015500	0.00039600
	1.7200e-05	1.5800e-05	1.4900e-05	1.4100e-05	8.5300e-06
	7.2100e-06	7.1200e-06	5.6000e-06	5.0500e-06	4.6800e-06
	4.5900e-06	6.1600e-06	3.4800e-05	1.0100e-05	9.4900e-06
0.29000	0.00095000	0.00034900	0.00021900	0.00014400	0.00036400
	1.6600e-05	1.4500e-05	1.4000e-05	1.1500e-05	8.2100e-06
	6.9600e-06	6.7500e-06	5.2600e-06	4.7600e-06	4.2800e-06
	4.3600e-06	5.9700e-06	2.8400e-05	9.5500e-06	9.2200e-06
0.28000	0.0011400	0.00029800	0.00020500	0.00013800	0.00036200
	1.5700e-05	1.2900e-05	1.3300e-05	1.2100e-05	8.0500e-06
	6.6300e-06	6.3300e-06	5.0300e-06	4.5400e-06	4.2700e-06
	4.2200e-06	5.3600e-06	3.1600e-05	9.2100e-06	8.6900e-06
0.27000	0.00095700	0.00028700	0.00020200	0.00013100	0.00032800
	1.4500e-05	1.2300e-05	1.2600e-05	1.1000e-05	7.1700e-06
	6.2100e-06	5.9100e-06	4.6700e-06	4.2800e-06	3.8900e-06
	3.8900e-06	5.1100e-06	3.6600e-05	8.7500e-06	8.1200e-06
0.26000	0.00093100	0.00027100	0.00018400	0.00012700	0.00027800
	1.3800e-05	1.1700e-05	1.1200e-05	8.3400e-06	6.8300e-06
	5.8300e-06	5.6400e-06	4.4600e-06	4.0500e-06	3.6600e-06
	3.6200e-06	4.6900e-06	2.9500e-05	8.4800e-06	7.5800e-06
0.25000	0.00078100	0.00025500	0.00017300	0.00011600	0.00032300
	1.2800e-05	1.0900e-05	1.1100e-05	9.5600e-06	6.6300e-06
	5.6300e-06	5.3900e-06	4.3100e-06	3.8700e-06	3.4800e-06
	3.5100e-06	4.3500e-06	1.1100e-05	8.0900e-06	7.1700e-06
0.24000	0.00078700	0.00024200	0.00017400	0.00011000	0.00030500
	1.2300e-05	1.0400e-05	9.7300e-06	8.8400e-06	6.4200e-06
	5.5200e-06	5.3700e-06	3.8200e-06	3.6300e-06	3.1500e-06
	3.2500e-06	4.1400e-06	1.0300e-05	7.5700e-06	6.5700e-06
0.23000	0.00076000	0.00023200	0.00016500	0.00011300	0.00026600
	1.1400e-05	9.7800e-06	8.8700e-06	8.2400e-06	6.2100e-06
	5.1600e-06	4.9900e-06	3.6400e-06	3.3600e-06	2.9900e-06
	3.0200e-06	3.8400e-06	1.0200e-05	7.0000e-06	6.2800e-06
0.22000	0.00070400	0.00021800	0.00016400	0.00010500	0.00025500

	1.0600e-05	9.3800e-06	8.4300e-06	7.6000e-06	5.7000e-06
	4.7300e-06	4.4900e-06	3.3500e-06	3.1500e-06	2.7600e-06
	2.7800e-06	3.6300e-06	9.5200e-06	6.5500e-06	5.9900e-06
0.21000	0.00056700	0.00021000	0.00014800	9.5700e-05	0.00025100
	9.8400e-06	8.8500e-06	8.0900e-06	6.2200e-06	5.0800e-06
	4.6600e-06	4.2700e-06	3.2300e-06	2.9500e-06	2.5200e-06
	2.7700e-06	3.3800e-06	8.7500e-06	6.1400e-06	5.5300e-06
0.20000	0.00051900	0.00019500	0.00013400	8.8500e-05	0.00023600
	9.2600e-06	8.4500e-06	7.7000e-06	5.9100e-06	4.8400e-06
	4.4500e-06	4.1100e-06	2.9300e-06	2.7600e-06	2.3400e-06
	2.5000e-06	3.1800e-06	8.3400e-06	5.6600e-06	5.2500e-06
0.19000	0.00048400	0.00018000	0.00013400	8.4100e-05	0.00021800
	8.7200e-06	7.9400e-06	6.8600e-06	5.9700e-06	4.6000e-06
	3.9100e-06	3.7300e-06	2.7000e-06	2.5500e-06	2.1800e-06
	2.1800e-06	2.9800e-06	7.9500e-06	5.4000e-06	4.9300e-06
0.18000	0.00047100	0.00017100	0.00012900	7.3600e-05	0.00019300
	8.1100e-06	7.2300e-06	6.4100e-06	5.4800e-06	4.1700e-06
	3.7600e-06	3.3800e-06	2.5000e-06	2.3400e-06	2.1600e-06
	2.1000e-06	2.7700e-06	7.4200e-06	4.9400e-06	4.5200e-06
0.17000	0.00043800	0.00015500	0.00011700	6.5200e-05	0.00017900
	7.6400e-06	6.6600e-06	5.8600e-06	5.0300e-06	3.7700e-06
	3.4100e-06	3.1200e-06	2.2900e-06	2.2400e-06	2.0100e-06
	1.9900e-06	2.4800e-06	6.9400e-06	4.4400e-06	4.2200e-06
0.16000	0.00044500	0.00014500	0.00011200	5.9800e-05	0.00016900
	7.0400e-06	6.4200e-06	5.3800e-06	4.7800e-06	3.4600e-06
	3.2500e-06	2.9100e-06	2.1600e-06	2.1000e-06	1.7900e-06
	1.8300e-06	2.3000e-06	6.5300e-06	4.1800e-06	3.8900e-06
0.15000	0.00037800	0.00013700	0.00010100	5.8400e-05	0.00015300
	6.6200e-06	5.6500e-06	5.1600e-06	3.9200e-06	3.1700e-06
	2.8900e-06	2.6700e-06	2.0400e-06	1.9400e-06	1.6700e-06
	1.6400e-06	2.0600e-06	5.9000e-06	3.8400e-06	3.6000e-06
0.14000	0.00034900	0.00012500	9.5700e-05	5.0600e-05	0.00013500
	6.2800e-06	5.2000e-06	4.7900e-06	3.8100e-06	2.9300e-06
	2.7300e-06	2.4400e-06	1.8300e-06	1.7500e-06	1.5000e-06
	1.4700e-06	1.9500e-06	5.4100e-06	3.5000e-06	3.3200e-06
0.13000	0.00029500	0.00011300	8.8000e-05	4.8800e-05	0.00012700
	5.6500e-06	4.7400e-06	4.3500e-06	3.4200e-06	2.7000e-06
	2.5400e-06	2.1900e-06	1.6200e-06	1.5800e-06	1.3300e-06
	1.3900e-06	1.7800e-06	4.9500e-06	3.1800e-06	3.0500e-06
0.12000	0.00026000	0.00010600	8.0700e-05	4.2400e-05	0.00011700
	5.0600e-06	4.2500e-06	3.9300e-06	2.9800e-06	2.3800e-06
	2.2800e-06	1.9400e-06	1.4900e-06	1.4000e-06	1.2000e-06
	1.2600e-06	1.5800e-06	4.6000e-06	2.9100e-06	2.7200e-06
0.11000	0.00026200	9.6900e-05	7.4600e-05	3.9300e-05	0.00010400
	4.6000e-06	3.8500e-06	3.6000e-06	2.7500e-06	2.1100e-06
	1.9900e-06	1.8100e-06	1.3200e-06	1.3100e-06	1.1000e-06
	1.1200e-06	1.3400e-06	4.0900e-06	2.6600e-06	2.4900e-06
0.10000	0.00024200	9.0000e-05	6.7400e-05	3.6000e-05	9.5500e-05
	4.0400e-06	3.5300e-06	3.2500e-06	2.5700e-06	1.8600e-06
	1.7900e-06	1.7200e-06	1.2100e-06	1.1300e-06	1.0100e-06
	9.9000e-07	1.2200e-06	3.7500e-06	2.3500e-06	2.2100e-06
0.090000	0.00020900	8.0600e-05	5.9900e-05	3.0700e-05	8.4900e-05
	3.8500e-06	3.1400e-06	2.8500e-06	2.2500e-06	1.6700e-06
	1.6300e-06	1.4400e-06	1.0500e-06	1.0300e-06	8.7000e-07
	8.9000e-07	1.0900e-06	3.3600e-06	2.0900e-06	1.9200e-06
0.080000	0.00020700	7.2200e-05	5.1600e-05	2.7500e-05	7.5700e-05
	3.2700e-06	2.7800e-06	2.2000e-06	2.0300e-06	1.4000e-06
	1.3300e-06	1.2800e-06	9.0000e-07	9.0000e-07	8.2000e-07
	7.9000e-07	9.3000e-07	2.9800e-06	1.8600e-06	1.6800e-06
0.070000	0.00017500	6.1300e-05	4.3900e-05	2.4200e-05	6.4700e-05
	2.7900e-06	2.3300e-06	1.8900e-06	1.7000e-06	1.2500e-06
	1.1700e-06	1.0100e-06	7.5000e-07	7.2000e-07	6.5000e-07
	6.5000e-07	7.9000e-07	2.6200e-06	1.5800e-06	1.4600e-06
0.060000	0.00011300	5.4300e-05	4.7100e-05	2.0000e-05	5.4200e-05

	2.3200e-06	1.9800e-06	1.6100e-06	1.3700e-06	1.0500e-06
	9.7000e-07	8.5000e-07	6.4000e-07	5.9000e-07	5.5000e-07
	5.5000e-07	6.3000e-07	2.1500e-06	1.3500e-06	1.2300e-06
0.050000	0.00011700	4.3600e-05	3.5000e-05	1.7300e-05	4.6300e-05
	1.9200e-06	1.5900e-06	1.2800e-06	1.1800e-06	8.6000e-07
	7.9000e-07	7.1000e-07	5.5000e-07	4.5000e-07	4.4000e-07
	4.3000e-07	5.1000e-07	1.7500e-06	1.0700e-06	1.0000e-06
0.040000	8.5600e-05	3.5100e-05	4.3000e-05	1.3100e-05	3.6100e-05
	1.5300e-06	1.2900e-06	1.0100e-06	8.5000e-07	6.6000e-07
	6.1000e-07	5.4000e-07	4.0000e-07	3.8000e-07	3.0000e-07
	3.0000e-07	3.8000e-07	1.3500e-06	8.9000e-07	7.7000e-07
0.030000	6.6900e-05	2.5300e-05	3.0400e-05	1.0000e-05	2.7000e-05
	1.1100e-06	9.0000e-07	7.1000e-07	6.4000e-07	4.8000e-07
	4.2000e-07	3.8000e-07	2.4000e-07	2.4000e-07	1.9000e-07
	2.1000e-07	2.7000e-07	1.0100e-06	6.2000e-07	5.5000e-07
0.020000	4.0600e-05	1.7400e-05	1.8300e-05	6.4000e-06	1.8800e-05
	7.1000e-07	5.3000e-07	4.3000e-07	3.8000e-07	2.8000e-07
	2.3000e-07	2.0000e-07	1.4000e-07	1.2000e-07	1.0000e-07
	1.0000e-07	1.1000e-07	6.4000e-07	3.7000e-07	3.5000e-07
0.0100000	2.3500e-05	8.5500e-06	9.0400e-06	3.1800e-06	8.8700e-06
	3.0000e-07	2.1000e-07	1.6000e-07	1.4000e-07	1.0000e-07
	8.0000e-08	6.0000e-08	2.0000e-08	-1.0000e-08	-1.0000e-08
	-1.0000e-08	-1.0000e-08	2.5000e-07	1.0000e-07	1.0000e-07
- 7.5300e-16	-6.3000e-07	-2.1000e-07	-2.1000e-07	-5.0000e-08	-2.9000e-07
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	-1.4000e-07	-1.4000e-07	-1.1000e-07	-1.2000e-07	-1.1000e-07
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	-3.4000e-07	-2.9000e-07	-2.4000e-07	-2.1000e-07	-1.8000e-07
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	-7.4000e-07	-6.2000e-07	-4.9000e-07	-4.8000e-07	-3.5000e-07
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	-1.1300e-06	-9.7000e-07	-7.4000e-07	-6.4000e-07	-5.5000e-07
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	-1.4700e-06	-1.2900e-06	-1.0300e-06	-9.4000e-07	-7.5000e-07
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	-4.3000e-07	-4.7000e-07	-1.3900e-06	-8.6000e-07	-8.2000e-07
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	-1.9100e-06	-1.6800e-06	-1.2300e-06	-1.1400e-06	-9.7000e-07
	-7.7000e-07	-7.9000e-07	-5.9000e-07	-5.4000e-07	-5.1000e-07
	-5.0000e-07	-5.9000e-07	-1.6800e-06	-1.1300e-06	-9.8000e-07
-0.060000	-0.00011900	-4.9900e-05	-5.4200e-05	-1.8900e-05	-5.9700e-05
	-2.2000e-06	-1.9900e-06	-1.4600e-06	-1.3400e-06	-1.1000e-06
	-9.5000e-07	-9.2000e-07	-7.3000e-07	-6.8000e-07	-5.8000e-07
	-6.2000e-07	-6.7000e-07	-2.0600e-06	-1.3000e-06	-1.2400e-06
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	-2.6300e-06	-2.3400e-06	-1.7300e-06	-1.5000e-06	-1.3700e-06
	-1.0800e-06	-1.0800e-06	-8.0000e-07	-7.2000e-07	-6.6000e-07
	-7.3000e-07	-8.0000e-07	-2.3900e-06	-1.5500e-06	-1.4600e-06
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	-2.9600e-06	-2.5500e-06	-1.9600e-06	-1.7200e-06	-1.5700e-06
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	-8.4000e-07	-8.9000e-07	-2.7400e-06	-1.7500e-06	-1.6500e-06
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	-3.2900e-06	-2.9700e-06	-2.2600e-06	-1.9600e-06	-1.7200e-06
	-1.3900e-06	-1.3700e-06	-1.0000e-06	-9.5000e-07	-9.2000e-07
	-9.0000e-07	-9.9000e-07	-3.0400e-06	-1.9300e-06	-1.8500e-06
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	-3.5700e-06	-3.2000e-06	-2.4400e-06	-2.1800e-06	-1.8400e-06
	-1.5800e-06	-1.5800e-06	-1.1500e-06	-1.1100e-06	-9.3000e-07
	-1.0100e-06	-1.0600e-06	-3.3700e-06	-2.1500e-06	-2.1000e-06
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	-4.1800e-06	-3.4700e-06	-2.8500e-06	-2.4000e-06	-2.0700e-06
	-1.6100e-06	-1.7300e-06	-1.2400e-06	-1.2000e-06	-1.1100e-06
	-1.0600e-06	-1.2800e-06	-3.6500e-06	-2.3900e-06	-2.3000e-06
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	-1.8000e-06	-1.8000e-06	-1.3800e-06	-1.3400e-06	-1.2300e-06
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	-1.9200e-06	-1.9500e-06	-1.5500e-06	-1.4500e-06	-1.4000e-06
	-1.3100e-06	-1.5100e-06	-4.2100e-06	-2.8200e-06	-2.7100e-06
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	-5.2500e-06	-4.5100e-06	-3.6700e-06	-3.0300e-06	-2.6100e-06
	-2.1000e-06	-2.1600e-06	-1.7300e-06	-1.6900e-06	-1.5400e-06
	-1.3200e-06	-1.6000e-06	-4.5800e-06	-3.0900e-06	-2.9000e-06
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	-2.2300e-06	-2.2800e-06	-1.7500e-06	-1.7100e-06	-1.5600e-06
	-1.5200e-06	-1.6400e-06	-4.9400e-06	-3.3300e-06	-3.0500e-06
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	-2.4600e-06	-2.2900e-06	-1.9400e-06	-1.8100e-06	-1.7000e-06
	-1.5200e-06	-1.7000e-06	-5.2500e-06	-3.4900e-06	-3.2700e-06
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	-6.1400e-06	-5.4600e-06	-4.4800e-06	-3.7700e-06	-3.2700e-06
	-2.6500e-06	-2.5100e-06	-1.9700e-06	-1.8800e-06	-1.8600e-06
	-1.6900e-06	-1.9000e-06	-5.6300e-06	-3.6800e-06	-3.5400e-06
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	-6.4000e-06	-5.8800e-06	-4.8500e-06	-3.9700e-06	-3.4500e-06
	-2.7400e-06	-2.7200e-06	-2.1900e-06	-1.9600e-06	-1.9500e-06
	-1.8000e-06	-1.9500e-06	-5.9200e-06	-4.0100e-06	-3.7700e-06
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	-6.8700e-06	-6.1600e-06	-4.9600e-06	-4.0700e-06	-3.6700e-06
	-2.9500e-06	-2.8000e-06	-2.2400e-06	-2.2600e-06	-2.0400e-06
	-1.9400e-06	-2.0500e-06	-6.2400e-06	-4.1500e-06	-3.9400e-06
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	-7.1600e-06	-6.4300e-06	-5.1300e-06	-4.4100e-06	-3.7300e-06
	-3.0500e-06	-2.8000e-06	-2.4300e-06	-2.2800e-06	-2.2000e-06
	-1.8300e-06	-2.2500e-06	-6.6100e-06	-4.4900e-06	-4.1900e-06
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	-7.2600e-06	-6.7400e-06	-5.3300e-06	-4.5700e-06	-4.0000e-06
	-3.1900e-06	-3.1300e-06	-2.5400e-06	-2.3800e-06	-2.2500e-06
	-2.0300e-06	-2.4100e-06	-7.0300e-06	-4.6600e-06	-4.4700e-06
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	-7.2800e-06	-7.2500e-06	-5.8200e-06	-4.8300e-06	-4.1600e-06
	-3.3000e-06	-3.2000e-06	-2.6500e-06	-2.3700e-06	-2.3000e-06
	-2.1700e-06	-2.5100e-06	-7.3800e-06	-4.9000e-06	-4.6900e-06
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	-7.7300e-06	-7.2900e-06	-6.1600e-06	-4.9600e-06	-4.4900e-06
	-3.4400e-06	-3.2500e-06	-2.7600e-06	-2.5000e-06	-2.4600e-06
	-2.2300e-06	-2.5400e-06	-7.6800e-06	-5.1700e-06	-4.9600e-06
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	-3.6000e-06	-3.4500e-06	-2.8400e-06	-2.6400e-06	-2.6400e-06
	-2.3200e-06	-2.6100e-06	-8.0500e-06	-5.4600e-06	-5.2000e-06
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	-8.6800e-06	-8.0400e-06	-6.7700e-06	-5.5400e-06	-5.0700e-06
	-3.8600e-06	-3.7600e-06	-2.9600e-06	-2.9100e-06	-2.7600e-06
	-2.3500e-06	-2.6700e-06	-8.7000e-06	-5.6600e-06	-5.4800e-06
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	-3.9500e-06	-3.9600e-06	-3.1900e-06	-3.2100e-06	-2.5500e-06
	-2.5900e-06	-2.8700e-06	-8.9500e-06	-5.8800e-06	-5.5400e-06
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	-9.6100e-06	-8.7600e-06	-7.3700e-06	-6.1200e-06	-5.2400e-06
	-4.1600e-06	-4.0600e-06	-3.3000e-06	-3.3900e-06	-2.9400e-06
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	-1.0200e-05	-9.2300e-06	-7.6000e-06	-6.3900e-06	-5.3400e-06
	-4.2800e-06	-4.1300e-06	-3.4400e-06	-3.5100e-06	-3.1000e-06
	-2.9200e-06	-3.1100e-06	-9.5200e-06	-6.3200e-06	-5.9800e-06
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	-1.1100e-05	-9.3800e-06	-7.8000e-06	-7.0800e-06	-5.7000e-06
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	-3.0700e-06	-3.1600e-06	-9.8900e-06	-6.7200e-06	-6.2100e-06
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	-1.1300e-05	-1.0400e-05	-8.4600e-06	-7.0400e-06	-6.1700e-06
	-4.6800e-06	-4.5200e-06	-3.7500e-06	-3.6900e-06	-3.3500e-06
	-3.3000e-06	-3.3800e-06	-1.0200e-05	-6.9700e-06	-6.3700e-06
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	-1.1700e-05	-1.0300e-05	-8.9700e-06	-7.5800e-06	-6.4500e-06
	-4.9300e-06	-4.6700e-06	-3.9700e-06	-3.8200e-06	-3.5400e-06
	-3.0900e-06	-3.5800e-06	-1.0700e-05	-7.2000e-06	-6.9300e-06
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	-5.2100e-06	-4.7600e-06	-4.2100e-06	-4.0100e-06	-3.5900e-06
	-3.4200e-06	-3.6900e-06	-1.0900e-05	-7.4000e-06	-6.8600e-06
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	-1.2200e-05	-1.0900e-05	-9.2800e-06	-8.9200e-06	-6.8600e-06
	-5.6400e-06	-5.1200e-06	-4.5200e-06	-4.2500e-06	-3.7300e-06
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	-5.9500e-06	-5.3500e-06	-4.6000e-06	-4.3000e-06	-3.8500e-06
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	-1.3200e-05	-1.1700e-05	-1.0100e-05	-8.6400e-06	-6.8900e-06
	-6.0300e-06	-5.4300e-06	-4.8300e-06	-4.9600e-06	-3.8400e-06
	-3.5700e-06	-4.0500e-06	-1.2200e-05	-8.1600e-06	-7.5600e-06
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	-1.3600e-05	-1.2100e-05	-9.8400e-06	-9.4900e-06	-7.2500e-06
	-6.3600e-06	-5.6100e-06	-4.9100e-06	-4.4200e-06	-4.0100e-06
	-3.8400e-06	-4.3400e-06	-1.2900e-05	-8.5700e-06	-7.7800e-06
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	-1.4200e-05	-1.2700e-05	-1.0300e-05	-1.0000e-05	-7.4700e-06
	-6.5800e-06	-5.5900e-06	-5.0500e-06	-4.7300e-06	-4.2400e-06
	-4.0700e-06	-4.6600e-06	-1.3400e-05	-8.6900e-06	-8.2400e-06
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	-6.5500e-06	-5.8600e-06	-5.5300e-06	-4.9400e-06	-4.4100e-06
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	-1.5000e-05	-1.3600e-05	-1.1000e-05	-1.0300e-05	-7.7500e-06
	-6.9400e-06	-6.1500e-06	-5.5200e-06	-5.2200e-06	-4.6800e-06
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	-1.5000e-05	-1.3800e-05	-1.1500e-05	-1.0500e-05	-8.1500e-06
	-7.3700e-06	-6.2900e-06	-5.7000e-06	-5.0000e-06	-4.7600e-06
	-4.2100e-06	-4.8200e-06	-1.4400e-05	-9.7300e-06	-9.0400e-06
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	-1.5900e-05	-1.4300e-05	-1.2100e-05	-1.1200e-05	-8.2600e-06
	-7.4500e-06	-6.7100e-06	-6.1600e-06	-5.2800e-06	-4.7200e-06
	-4.5800e-06	-5.0000e-06	-1.4700e-05	-1.0200e-05	-9.2600e-06
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	-7.7400e-06	-6.8500e-06	-6.4000e-06	-5.6300e-06	-4.7000e-06
	-4.6100e-06	-5.3700e-06	-1.4900e-05	-1.0500e-05	-9.6400e-06
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	-1.6100e-05	-1.5300e-05	-1.2800e-05	-1.2200e-05	-8.5500e-06
	-8.1300e-06	-6.7600e-06	-6.2700e-06	-5.6900e-06	-5.1600e-06
	-4.6300e-06	-5.4200e-06	-1.5500e-05	-1.0800e-05	-9.9200e-06
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	-1.7000e-05	-1.5700e-05	-1.2700e-05	-1.3800e-05	-8.6700e-06
	-8.4500e-06	-7.0000e-06	-6.6300e-06	-5.8100e-06	-5.6400e-06
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	-1.7600e-05	-1.6600e-05	-1.2900e-05	-1.5700e-05	-9.0900e-06
	-8.6900e-06	-6.8200e-06	-6.7400e-06	-5.7900e-06	-5.4200e-06
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	-1.7900e-05	-1.6700e-05	-1.3800e-05	-1.3000e-05	-9.4900e-06
	-8.9700e-06	-7.2000e-06	-6.9500e-06	-6.0400e-06	-5.7200e-06
	-5.2400e-06	-6.3900e-06	-1.7400e-05	-1.1800e-05	-1.0800e-05
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	-9.1300e-06	-7.1900e-06	-7.5200e-06	-6.6700e-06	-6.4200e-06
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	-1.8300e-05	-1.7300e-05	-1.4800e-05	-1.4300e-05	-1.0700e-05
	-9.2800e-06	-7.7400e-06	-7.4100e-06	-6.5600e-06	-6.6200e-06
	-5.3200e-06	-6.2700e-06	-1.8000e-05	-1.2700e-05	-1.1800e-05
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	-1.9100e-05	-1.7600e-05	-1.5200e-05	-1.8100e-05	-1.0700e-05
	-9.6700e-06	-8.0300e-06	-7.9500e-06	-6.7800e-06	-6.3200e-06
	-5.4700e-06	-6.6400e-06	-1.8500e-05	-1.2900e-05	-1.2000e-05
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	-1.9500e-05	-1.8400e-05	-1.6000e-05	-1.5200e-05	-1.1100e-05
	-9.9400e-06	-8.7000e-06	-7.8800e-06	-7.1400e-06	-6.7200e-06
	-5.5200e-06	-6.8500e-06	-1.9300e-05	-1.3500e-05	-1.2700e-05
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	-2.0300e-05	-1.9000e-05	-1.6500e-05	-1.5200e-05	-1.1700e-05
	-1.0600e-05	-8.6300e-06	-8.1300e-06	-7.2500e-06	-6.7600e-06
	-5.7800e-06	-7.0700e-06	-1.9700e-05	-1.4100e-05	-1.3000e-05
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	-2.0400e-05	-1.9800e-05	-1.6500e-05	-1.5600e-05	-1.2100e-05
	-1.0900e-05	-9.0200e-06	-8.5000e-06	-7.6900e-06	-7.2400e-06
	-5.9600e-06	-7.1600e-06	-2.0700e-05	-1.4600e-05	-1.3500e-05
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	-2.0600e-05	-2.0000e-05	-1.7100e-05	-1.6000e-05	-1.2600e-05
	-1.0800e-05	-9.3900e-06	-8.6200e-06	-7.8100e-06	-7.4000e-06
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	-2.1000e-05	-2.0900e-05	-1.8000e-05	-1.6500e-05	-1.3000e-05
	-1.1600e-05	-9.1400e-06	-8.8800e-06	-8.3100e-06	-7.1900e-06
	-6.4700e-06	-7.7400e-06	-2.2000e-05	-1.5100e-05	-1.4100e-05
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	-2.1500e-05	-2.0400e-05	-1.8300e-05	-1.7400e-05	-1.3400e-05
	-1.1200e-05	-9.2800e-06	-9.1900e-06	-8.3300e-06	-7.8300e-06
	-6.7000e-06	-8.2100e-06	-2.2300e-05	-1.6000e-05	-1.4800e-05
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	-2.1100e-05	-2.1900e-05	-1.8400e-05	-1.7700e-05	-1.3600e-05
	-1.2500e-05	-9.9000e-06	-9.6100e-06	-8.6000e-06	-7.8000e-06
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	-2.2000e-05	-2.1800e-05	-1.8100e-05	-1.8400e-05	-1.4200e-05
	-1.2100e-05	-1.1000e-05	-9.6300e-06	-8.6800e-06	-8.2400e-06
	-6.5900e-06	-8.9500e-06	-2.4100e-05	-1.6900e-05	-1.5700e-05
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	-2.2800e-05	-2.3000e-05	-2.0800e-05	-1.8700e-05	-1.4400e-05
	-1.2400e-05	-1.0500e-05	-1.0400e-05	-9.2000e-06	-8.3800e-06
	-6.6700e-06	-9.0400e-06	-2.4300e-05	-1.7200e-05	-1.6700e-05
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	-1.1800e-05	-1.0700e-05	-1.1000e-05	-9.4900e-06	-8.8200e-06
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	-2.4200e-05	-2.6600e-05	-2.2200e-05	-1.9600e-05	-1.7700e-05
	-1.3000e-05	-1.1100e-05	-1.1300e-05	-1.0400e-05	-8.5100e-06
	-7.4100e-06	-1.0500e-05	-2.7300e-05	-1.8600e-05	-1.7800e-05
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	-1.3800e-05	-1.1400e-05	-1.2000e-05	-1.0600e-05	-9.3600e-06
	-7.6100e-06	-1.0800e-05	-2.8400e-05	-1.9200e-05	-1.8100e-05
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	-2.5100e-05	-3.2200e-05	-2.2200e-05	-2.0100e-05	-1.7900e-05
	-1.4300e-05	-1.1900e-05	-1.2000e-05	-1.0800e-05	-9.5000e-06
	-7.5000e-06	-1.0800e-05	-2.8300e-05	-1.9500e-05	-1.8600e-05
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	-2.5600e-05	-3.0900e-05	-2.2900e-05	-2.0400e-05	-1.8800e-05
	-1.4700e-05	-1.2200e-05	-1.2600e-05	-1.1200e-05	-1.0100e-05
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	-1.5100e-05	-1.3000e-05	-1.2700e-05	-1.1700e-05	-1.0100e-05
	-7.8500e-06	-1.1800e-05	-3.0600e-05	-2.1000e-05	-2.0500e-05
-0.65000	-0.0027300	-0.00099200	-0.0016900	-0.00030000	-0.00071000
	-2.6500e-05	-3.2800e-05	-2.4500e-05	-2.2300e-05	-2.2600e-05
	-1.5400e-05	-1.3400e-05	-1.3400e-05	-1.2300e-05	-1.0400e-05
	-8.2900e-06	-1.1900e-05	-3.1400e-05	-2.1700e-05	-2.0700e-05
-0.66000	-0.0032600	-0.0010900	-0.0013600	-0.00037200	-0.00074600
	-3.2000e-05	-3.6000e-05	-2.5700e-05	-2.3100e-05	-2.0000e-05
	-1.6900e-05	-1.3300e-05	-1.3700e-05	-1.1600e-05	-1.0600e-05
	-8.4600e-06	-1.2400e-05	-3.2100e-05	-2.2400e-05	-2.1200e-05
-0.67000	-0.0033300	-0.0011200	-0.0015300	-0.00037600	-0.00074000
	-3.0000e-05	-3.7400e-05	-2.5200e-05	-2.4200e-05	-2.4300e-05
	-1.8200e-05	-1.4000e-05	-1.4500e-05	-1.2500e-05	-1.0700e-05
	-8.9900e-06	-1.3000e-05	-3.2100e-05	-2.3500e-05	-2.1800e-05
-0.68000	-0.0037900	-0.0011700	-0.0014400	-0.00034900	-0.00069600
	-3.0500e-05	-3.9300e-05	-2.4600e-05	-2.5100e-05	-2.3200e-05
	-1.8500e-05	-1.4700e-05	-1.4400e-05	-1.2800e-05	-1.1400e-05
	-9.4100e-06	-1.3100e-05	-3.5300e-05	-2.4000e-05	-2.2500e-05
-0.69000	-0.0039400	-0.0010700	-0.0012500	-0.00031100	-0.00080400
	-3.2300e-05	-3.9600e-05	-2.6400e-05	-2.5100e-05	-2.5600e-05
	-1.8400e-05	-1.5300e-05	-1.5000e-05	-1.3300e-05	-1.1400e-05
	-9.5100e-06	-1.4100e-05	-3.5300e-05	-2.5000e-05	-2.3700e-05
-0.70000	-0.0043200	-0.0011300	-0.0013600	-0.00030300	-0.00083400
	-3.1500e-05	-4.2600e-05	-2.8200e-05	-2.6200e-05	-2.7000e-05
	-1.7000e-05	-1.6100e-05	-1.6100e-05	-1.3300e-05	-1.1900e-05
	-1.0100e-05	-1.4100e-05	-3.6800e-05	-2.6400e-05	-2.4500e-05
-0.71000	-0.0043100	-0.0012300	-0.0014900	-0.00030900	-0.00086700
	-3.2700e-05	-4.4300e-05	-2.9100e-05	-2.7700e-05	-2.5100e-05
	-1.9600e-05	-1.7100e-05	-1.6000e-05	-1.3600e-05	-1.2100e-05
	-1.0300e-05	-1.4800e-05	-3.7400e-05	-2.6900e-05	-2.5500e-05
-0.72000	-0.0043500	-0.0011700	-0.0014400	-0.00030200	-0.00083400
	-3.4200e-05	-4.4900e-05	-3.0300e-05	-2.8800e-05	-2.7700e-05
	-1.9500e-05	-1.8000e-05	-1.6900e-05	-1.4400e-05	-1.2600e-05
	-1.0600e-05	-1.5200e-05	-3.9000e-05	-2.8000e-05	-2.5700e-05
-0.73000	-0.0043800	-0.0012100	-0.0014600	-0.00031500	-0.00083000
	-3.5200e-05	-4.1300e-05	-3.1800e-05	-3.6900e-05	-2.8500e-05
	-1.8300e-05	-1.8100e-05	-1.7500e-05	-1.4700e-05	-1.3500e-05
	-1.1100e-05	-1.6100e-05	-4.0300e-05	-2.9500e-05	-2.6800e-05
-0.74000	-0.0055300	-0.0013200	-0.0014800	-0.00035900	-0.00088600

	-3.5600e-05	-4.7400e-05	-3.4800e-05	-3.9000e-05	-2.8700e-05
	-2.0200e-05	-1.8400e-05	-1.8200e-05	-1.4900e-05	-1.4200e-05
	-1.1800e-05	-1.6800e-05	-4.0900e-05	-3.0400e-05	-2.7700e-05
-0.75000	-0.0067600	-0.0013700	-0.0012500	-0.00032500	-0.00091700
	-3.7700e-05	-5.3300e-05	-3.3300e-05	-3.0800e-05	-2.7000e-05
	-2.1000e-05	-2.0800e-05	-1.7700e-05	-1.5600e-05	-1.4600e-05
	-1.1800e-05	-1.7300e-05	-4.2900e-05	-3.1900e-05	-2.8800e-05
-0.76000	-0.0068700	-0.0015000	-0.0012800	-0.00037600	-0.00091700
	-3.7600e-05	-4.9600e-05	-3.4000e-05	-4.2400e-05	-2.7700e-05
	-2.1100e-05	-2.3700e-05	-1.8700e-05	-1.6200e-05	-1.5300e-05
	-1.2800e-05	-1.8900e-05	-4.5000e-05	-3.3300e-05	-3.0000e-05
-0.77000	-0.0071100	-0.0016500	-0.0012900	-0.00040700	-0.0010200
	-3.8400e-05	-5.3400e-05	-3.4900e-05	-4.1700e-05	-2.8100e-05
	-2.2300e-05	-2.5200e-05	-1.9600e-05	-1.7100e-05	-1.5700e-05
	-1.3000e-05	-1.9500e-05	-4.9100e-05	-3.3600e-05	-3.1700e-05
-0.78000	-0.0069200	-0.0018100	-0.0013200	-0.00033200	-0.00086300
	-3.9800e-05	-5.4800e-05	-3.5500e-05	-4.5700e-05	-3.0400e-05
	-2.2200e-05	-2.3900e-05	-1.9600e-05	-1.7200e-05	-1.6600e-05
	-1.3300e-05	-1.9800e-05	-5.7100e-05	-3.5200e-05	-3.2900e-05
-0.79000	-0.0075100	-0.0017400	-0.0013200	-0.00034200	-0.00090500
	-4.1300e-05	-5.5900e-05	-3.7600e-05	-4.4000e-05	-3.2200e-05
	-2.2700e-05	-2.4700e-05	-2.0600e-05	-1.8300e-05	-1.6700e-05
	-1.3900e-05	-2.1400e-05	-5.5200e-05	-3.6800e-05	-3.4700e-05
-0.80000	-0.0067100	-0.0020000	-0.0013700	-0.00034900	-0.00094500
	-4.1700e-05	-5.6800e-05	-4.0400e-05	-4.8300e-05	-3.3000e-05
	-2.4900e-05	-2.8500e-05	-2.1500e-05	-1.8000e-05	-1.7000e-05
	-1.4500e-05	-2.2200e-05	-5.5700e-05	-3.8200e-05	-3.6200e-05
-0.81000	-0.0067100	-0.0020400	-0.0013600	-0.00037900	-0.00093700
	-4.3500e-05	-5.7000e-05	-3.9600e-05	-4.9400e-05	-3.8800e-05
	-2.5800e-05	-2.9900e-05	-2.3000e-05	-1.9000e-05	-1.7800e-05
	-1.5500e-05	-2.2800e-05	-5.7400e-05	-3.9100e-05	-3.6900e-05
-0.82000	-0.0068200	-0.0021200	-0.0013900	-0.00040900	-0.00097600
	-4.5200e-05	-6.0100e-05	-4.0400e-05	-5.1500e-05	-4.0900e-05
	-2.6500e-05	-2.6200e-05	-2.3100e-05	-1.9800e-05	-1.7600e-05
	-1.5900e-05	-2.3900e-05	-5.9200e-05	-4.0900e-05	-3.8800e-05
-0.83000	-0.0077000	-0.0022600	-0.0014600	-0.00038500	-0.00098600
	-4.6300e-05	-6.2200e-05	-4.2000e-05	-5.3300e-05	-4.1800e-05
	-2.8100e-05	-2.6800e-05	-2.3700e-05	-1.9900e-05	-1.9200e-05
	-1.6600e-05	-2.5100e-05	-6.0800e-05	-4.2900e-05	-4.0300e-05
-0.84000	-0.0080800	-0.0024900	-0.0016000	-0.00044000	-0.00097400
	-4.7500e-05	-6.4900e-05	-4.3500e-05	-5.2200e-05	-4.1900e-05
	-2.9300e-05	-2.7900e-05	-2.5600e-05	-2.1100e-05	-1.9900e-05
	-1.7500e-05	-2.6000e-05	-6.4100e-05	-4.4600e-05	-4.2200e-05
-0.85000	-0.0085300	-0.0025300	-0.0015000	-0.00043900	-0.0011200
	-4.9300e-05	-6.8600e-05	-4.5700e-05	-5.4800e-05	-4.3600e-05
	-3.1300e-05	-2.9300e-05	-2.5900e-05	-2.2300e-05	-2.4000e-05
	-1.7200e-05	-2.7200e-05	-6.9600e-05	-4.6100e-05	-4.3300e-05
-0.86000	-0.0077000	-0.0026700	-0.0016900	-0.00048200	-0.0010700
	-5.1900e-05	-6.9700e-05	-4.4000e-05	-5.4100e-05	-4.4200e-05
	-3.2600e-05	-3.0500e-05	-2.6800e-05	-2.2800e-05	-2.1600e-05
	-1.7800e-05	-2.8100e-05	-7.0500e-05	-4.8000e-05	-4.5600e-05
-0.87000	-0.0075300	-0.0026700	-0.0017900	-0.00044800	-0.0010900
	-5.4000e-05	-7.1900e-05	-4.7700e-05	-5.7600e-05	-4.9300e-05
	-3.4400e-05	-3.1300e-05	-2.8600e-05	-2.3600e-05	-2.2200e-05
	-1.9100e-05	-3.0000e-05	-7.6200e-05	-5.0600e-05	-4.7500e-05
-0.88000	-0.0093900	-0.0021600	-0.0017400	-0.00049900	-0.0010700
	-5.4300e-05	-7.4400e-05	-4.8700e-05	-6.0300e-05	-4.8100e-05
	-3.8300e-05	-3.5400e-05	-2.9800e-05	-2.4400e-05	-2.3900e-05
	-2.0300e-05	-3.1500e-05	-7.5700e-05	-5.3100e-05	-4.9800e-05
-0.89000	-0.0085000	-0.0018700	-0.0014400	-0.00050000	-0.00096000
	-5.6100e-05	-7.4200e-05	-5.0000e-05	-6.2200e-05	-4.5500e-05
	-3.5900e-05	-4.0700e-05	-3.0500e-05	-2.5600e-05	-2.4600e-05
	-2.1300e-05	-3.3000e-05	-7.7400e-05	-5.5300e-05	-5.1700e-05
-0.90000	-0.0091600	-0.0023900	-0.0016100	-0.00052900	-0.0010500

	-5.9200e-05	-7.5400e-05	-4.9800e-05	-6.2200e-05	-4.6400e-05
	-3.9500e-05	-4.6700e-05	-3.3000e-05	-2.8400e-05	-2.5700e-05
	-2.3200e-05	-3.5100e-05	-8.0200e-05	-5.8100e-05	-5.3900e-05
-0.91000	-0.0092100	-0.0022200	-0.0017000	-0.00056900	-0.0010200
	-6.2000e-05	-7.6200e-05	-5.2700e-05	-6.7800e-05	-4.8100e-05
	-3.7400e-05	-4.3000e-05	-3.4100e-05	-3.2700e-05	-2.5700e-05
	-2.2300e-05	-3.6400e-05	-8.6400e-05	-6.0400e-05	-5.6500e-05
-0.92000	-0.0090900	-0.0023200	-0.0016100	-0.00063000	-0.0011600
	-6.4700e-05	-7.8500e-05	-5.4300e-05	-6.9300e-05	-5.3900e-05
	-4.0000e-05	-4.6200e-05	-3.5100e-05	-3.3400e-05	-2.7500e-05
	-2.5000e-05	-3.8200e-05	-9.4400e-05	-6.3300e-05	-5.9300e-05
-0.93000	-0.0078800	-0.0024900	-0.0015200	-0.00062400	-0.0010400
	-6.7200e-05	-7.9900e-05	-5.8400e-05	-6.9600e-05	-5.0100e-05
	-4.0500e-05	-5.0100e-05	-3.7900e-05	-3.5000e-05	-3.0000e-05
	-2.4700e-05	-3.8900e-05	-9.5000e-05	-6.6400e-05	-6.2700e-05
-0.94000	-0.0083100	-0.0026900	-0.0022200	-0.00067100	-0.0011200
	-6.9000e-05	-8.2600e-05	-6.1700e-05	-7.2300e-05	-5.0000e-05
	-4.3200e-05	-5.1400e-05	-3.8500e-05	-3.6100e-05	-3.0000e-05
	-2.7100e-05	-4.1300e-05	-9.9200e-05	-7.0500e-05	-6.6200e-05
-0.95000	-0.011900	-0.0025700	-0.0034600	-0.00064200	-0.0010600
	-7.0400e-05	-8.3000e-05	-6.3400e-05	-7.5100e-05	-5.1900e-05
	-4.4700e-05	-5.0900e-05	-3.9500e-05	-3.7900e-05	-3.1500e-05
	-2.7800e-05	-4.3900e-05	-9.9500e-05	-7.3900e-05	-7.2300e-05
-0.96000	-0.011600	-0.0027800	-0.0033400	-0.00067300	-0.0011100
	-7.8500e-05	-8.8000e-05	-6.7100e-05	-7.8700e-05	-5.0900e-05
	-4.6700e-05	-5.6100e-05	-4.2200e-05	-3.8200e-05	-3.3500e-05
	-2.8600e-05	-4.5800e-05	-0.00010500	-7.8400e-05	-7.3900e-05
-0.97000	-0.015000	-0.0028000	-0.0036000	-0.00069600	-0.0011200
	-7.9800e-05	-8.8600e-05	-6.8800e-05	-8.2300e-05	-5.4900e-05
	-5.1900e-05	-6.1100e-05	-4.5000e-05	-4.1000e-05	-3.5700e-05
	-2.9300e-05	-4.7700e-05	-0.00010800	-8.2100e-05	-7.7500e-05
-0.98000	-0.010900	-0.0029100	-0.0035600	-0.00074400	-0.0010900
	-8.5900e-05	-9.1300e-05	-6.8200e-05	-8.4900e-05	-5.9600e-05
	-5.1500e-05	-5.9600e-05	-4.5400e-05	-4.3900e-05	-3.7500e-05
	-3.4100e-05	-5.1300e-05	-0.00011600	-8.5300e-05	-8.0600e-05
-0.99000	-0.012000	-0.0029800	-0.0044000	-0.00075200	-0.00099700
	-8.4700e-05	-9.0400e-05	-7.2600e-05	-8.7000e-05	-6.1900e-05
	-5.4900e-05	-6.4300e-05	-4.7200e-05	-4.5700e-05	-3.9700e-05
	-3.4000e-05	-5.3700e-05	-0.00012500	-8.8500e-05	-8.5700e-05
-1.0000	-0.012400	-0.0030900	-0.0039600	-0.00085900	-0.0010600
	-8.6500e-05	-0.00010500	-7.3300e-05	-9.0200e-05	-6.7200e-05
	-5.6100e-05	-6.8200e-05	-4.9200e-05	-4.7500e-05	-4.1000e-05
	-3.5200e-05	-5.7400e-05	-0.00013800	-9.4100e-05	-9.0100e-05

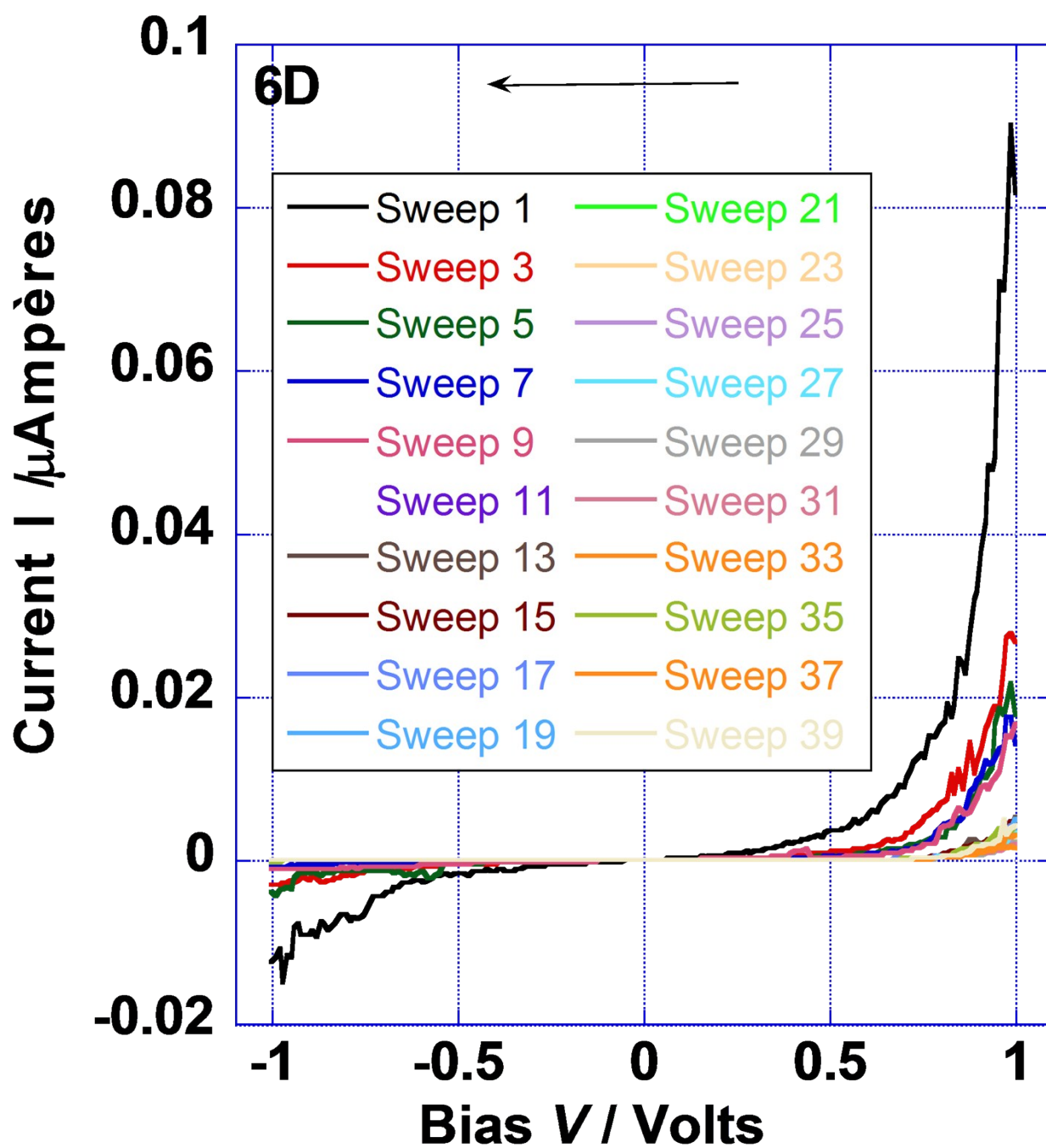


Fig. 6D. Sandwich#3.P.to.N.I.vs.V

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Fig. 6E. Sandwich#3.P.to.N.log(10)I.vs.V: take decimal logs of data for Fig. 6D above

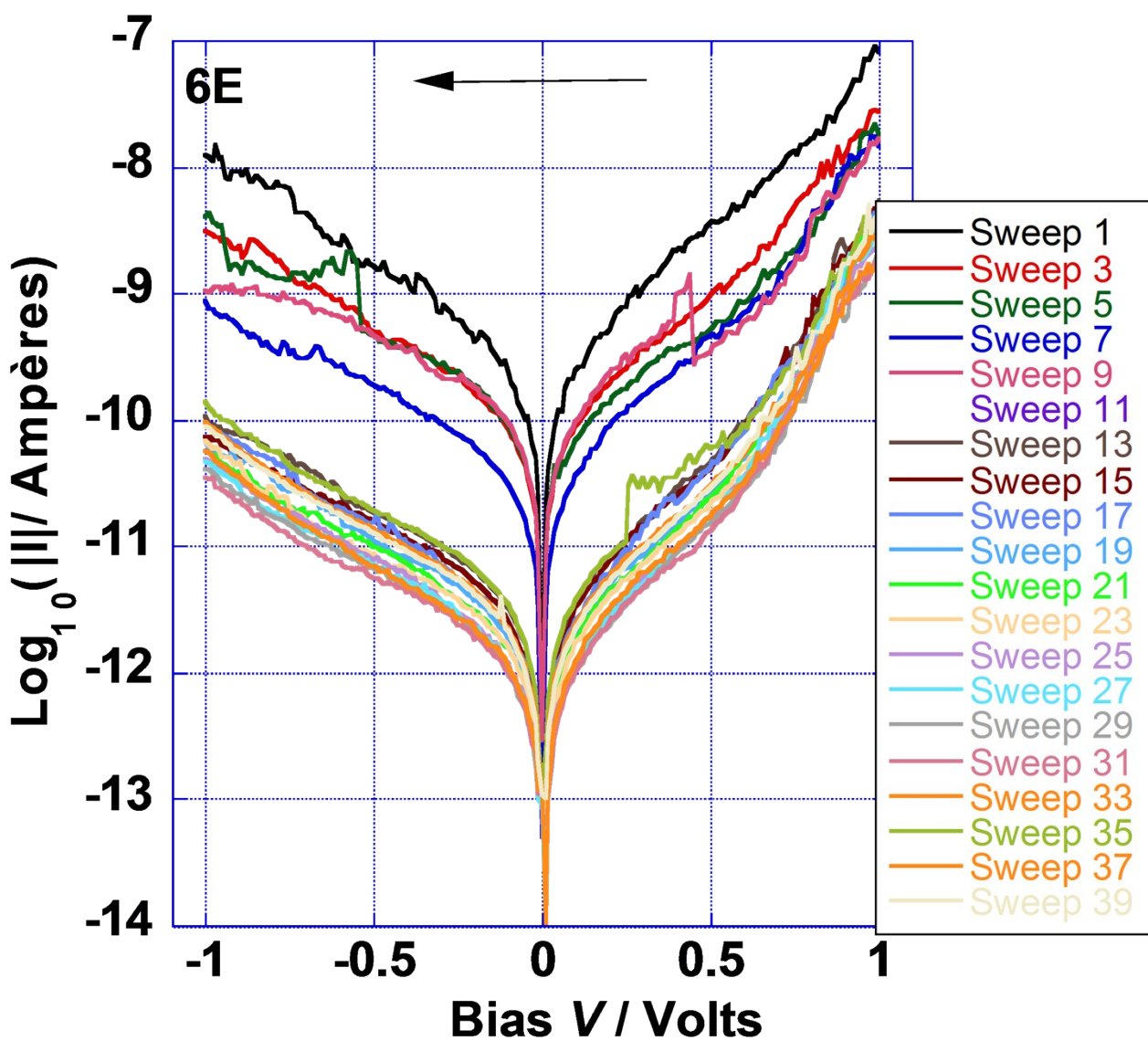


Fig. 6E. Sandwich#3.P.to.N.log(10)|I|.vs.V

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Fig. 6F. Sandwich#3.P.to.N.RR. data

Voltage	Sweep 1 Sweep 13 Sweep 25 Sweep 37	Sweep 3 Sweep 15 Sweep 27	Sweep 5 Sweep 17 Sweep 29	Sweep 7 Sweep 19 Sweep 31	Sweep 9 Sweep 21 Sweep 33	Sweep 11 Sweep 23 Sweep 35
1.0000	26.423 73.681 47.786 34.974	6.7583 49.240 78.793	20.735 57.547 63.049	13.289 90.812 32.794	193.81 50.023 11.110	67.082 50.134 43.609
0.99000	30.152 50.303 47.945	6.3495 53.210 79.718	28.740 69.741 51.577	17.524 67.206 32.227	176.60 51.707 12.634	66.026 54.890 40.678

0.98000	31.185					
	25.544	7.6623	25.402	16.058	179.47	61.776
	58.748	47.393	58.489	55.982	58.596	46.297
	47.956	62.734	40.662	28.868	12.608	39.132
0.97000	36.703					
	24.966	6.6393	25.585	12.353	169.97	74.680
	56.392	36.608	62.889	49.257	47.713	51.412
	50.288	61.111	51.315	27.952	15.843	37.979
0.96000	30.629					
	25.492	5.6037	27.759	12.207	137.87	73.505
	53.431	48.502	48.455	46.333	52.129	48.040
	50.612	59.399	40.140	27.157	13.404	50.451
0.95000	29.089					
	19.220	5.5021	25.908	11.914	143.95	59.290
	47.703	40.403	40.641	42.433	48.626	40.647
	43.205	58.656	38.739	33.387	14.229	40.406
0.94000	26.431					
	17.738	8.2383	16.920	10.773	142.36	49.529
	41.945	31.287	45.392	44.838	48.817	39.831
	46.194	64.423	35.183	25.583	12.812	40.774
0.93000	27.513					
	19.474	11.011	17.114	11.192	128.56	47.486
	37.651	36.074	39.681	43.932	33.967	37.984
	45.850	67.349	44.697	24.337	12.202	33.904
0.92000	28.935					
	17.868	10.027	15.695	10.606	141.74	45.918
	42.038	32.492	37.854	42.903	39.749	31.728
	35.034	73.354	38.573	23.284	10.802	29.066
0.91000	26.550					
	17.119	8.0316	18.687	10.122	143.87	42.010
	39.344	29.103	33.839	30.967	32.631	29.962
	34.702	71.802	30.337	22.584	9.9979	28.235
0.90000	19.706					
	13.684	7.5249	15.230	9.3337	126.11	47.685
	47.776	29.081	32.054	32.245	28.671	25.909
	34.325	61.621	25.511	23.755	10.856	31.953
0.89000	19.251					
	17.053	7.3854	15.344	9.1686	122.28	28.311
	52.768	31.446	27.688	27.183	34.982	30.555
	27.860	50.548	31.509	24.035	8.6593	28.478
0.88000	17.891					
	12.873	8.3629	13.026	7.8347	105.78	25.680
	49.183	27.350	25.894	24.278	36.737	28.443
	27.396	43.661	32.553	21.267	8.7228	25.280
0.87000	19.960					
	8.5500	5.9210	13.561	5.6327	104.57	22.626
	38.398	28.140	23.716	22.223	27.215	30.940
	22.188	47.875	28.816	19.927	7.0332	25.442
0.86000	13.721					
	8.9309	5.1043	11.189	4.8589	111.89	24.406
	26.447	23.678	17.376	21.221	32.711	30.952
	19.738	43.911	29.012	16.534	7.1946	30.536
0.85000	13.436					
	9.7696	7.3673	11.387	4.1398	127.72	33.328
	23.897	18.565	17.835	21.555	25.462	31.454
	21.325	33.217	28.317	16.092	6.0333	22.533
0.84000	12.045					
	7.5874	5.0774	9.0500	4.7820	113.86	24.004
	20.298	19.944	20.538	21.405	20.971	25.142
	18.620	35.502	20.176	13.913	6.2627	19.999
0.83000	10.870					
	7.7867	7.3146	10.112	4.7292	96.530	21.573
	19.509	19.066	16.061	23.038	18.069	25.602
	19.344	33.499	19.026	13.310	5.6685	15.985

0.82000	11.649					
	8.9873	5.4356	9.4984	4.5909	95.441	22.822
	17.844	15.865	14.073	18.976	14.423	20.604
	22.107	26.599	15.546	13.784	4.6411	15.494
0.81000	9.3894					
	8.2420	5.2509	7.4871	4.7628	96.654	18.054
	15.742	18.666	11.935	16.639	13.172	21.244
	18.950	29.906	16.202	13.100	4.4538	14.156
0.80000	8.7499					
	8.2147	5.1914	8.1291	4.0732	91.332	13.381
	13.949	11.497	14.058	14.611	12.399	15.223
	16.327	26.479	14.673	10.698	4.1087	11.328
0.79000	7.9368					
	8.8151	4.5554	8.2164	3.7527	54.475	12.701
	16.421	13.906	13.953	14.778	13.681	13.625
	12.893	20.142	12.243	9.5666	4.1075	11.042
0.78000	8.1748					
	8.3122	4.6367	8.2356	3.1130	50.083	12.684
	13.429	9.9409	12.188	12.595	11.974	12.853
	14.888	14.354	10.591	10.159	3.2796	10.106
0.77000	7.3057					
	9.1641	4.3000	6.2762	2.1835	48.585	12.292
	11.979	9.2986	13.383	10.982	9.0414	11.676
	13.696	13.658	10.614	8.4679	3.1164	8.9100
0.76000	7.0050					
	8.3558	4.0811	5.8093	2.2010	52.018	20.024
	11.042	7.1098	11.677	10.717	9.4893	10.530
	13.739	13.226	12.097	7.8479	3.1696	9.4416
0.75000	6.5434					
	9.5422	3.8767	6.7291	1.9177	45.462	14.478
	11.252	9.2474	11.171	9.9248	11.092	10.013
	10.410	12.298	10.291	7.5139	2.8990	9.2044
0.74000	5.7328					
	9.5848	2.8861	5.7681	1.8847	41.913	8.8806
	8.9649	6.5932	10.319	8.3474	9.2941	8.6165
	9.8406	13.339	8.9061	6.5301	2.6678	8.1811
0.73000	5.4774					
	9.9694	2.6829	6.4350	1.7894	40.427	8.7405
	9.2356	10.111	9.2755	8.2793	8.5312	8.1609
	7.8818	11.725	8.4421	6.1066	2.5032	8.6969
0.72000	5.1259					
	9.4676	2.4154	6.1833	1.5700	34.585	6.9851
	8.8833	11.184	9.4625	8.1392	7.5932	7.9549
	7.4065	10.582	7.3132	6.0191	2.4091	8.6955
0.71000	4.9550					
	8.0690	2.2183	5.5604	1.7110	35.548	5.0663
	7.7191	9.2425	9.9487	7.4880	6.7441	7.5085
	7.0734	9.1602	6.7111	5.4154	2.4721	7.4537
0.70000	4.4442					
	8.0007	2.0600	4.7506	1.3510	32.593	5.7932
	7.1605	7.8310	8.4082	7.1032	7.0509	6.5542
	6.3221	8.2257	6.3076	4.9964	2.0861	7.0030
0.69000	4.3763					
	8.7182	1.9367	4.8547	1.2718	28.639	5.2140
	6.7321	7.6937	8.5275	6.2914	6.4472	6.2316
	6.4707	7.6416	5.8128	4.8353	1.9850	6.4630
0.68000	5.6003					
	7.0291	1.6929	4.0823	1.4001	27.429	4.6450
	6.5844	6.9832	7.2325	5.5731	6.8220	5.8974
	5.2701	7.7219	5.8066	4.3397	1.7713	6.8904
0.67000	4.6543					
	7.0765	1.4506	3.4574	1.3841	27.370	4.4137
	6.1121	6.6230	6.3225	4.8429	6.1032	5.1306
	4.9258	6.6971	5.1046	3.9057	1.7846	6.9399

	4.4020					
0.66000	7.1633	1.7652	4.1312	1.1331	29.329	4.8921
	5.4961	6.1005	7.5431	4.9633	6.0927	5.0995
	4.8176	6.6908	5.1217	3.4186	1.5717	6.2175
	4.1815					
0.65000	7.2284	1.3556	4.2297	1.3041	28.232	4.6879
	5.5516	6.1726	6.2733	4.9434	5.8372	4.8950
	4.2476	6.4673	4.7624	3.7452	1.5422	5.5689
	3.7160					
0.64000	7.1619	1.0575	3.8475	1.2733	26.330	4.3739
	5.0794	6.1882	6.3685	4.6076	5.8546	4.3540
	4.3565	5.6213	4.5924	3.4800	1.7689	5.7420
	3.7131					
0.63000	6.2065	1.0148	3.4040	1.2700	24.355	4.0682
	5.1218	5.4597	6.1559	4.2908	5.1516	4.0609
	4.1184	4.6644	4.3763	3.3357	1.3772	5.3867
	3.5525					
0.62000	6.8053	0.89260	3.1229	1.1116	26.084	4.0742
	4.8480	5.0040	5.9944	4.2668	4.7119	4.0259
	3.8224	4.4705	4.0960	3.1736	1.3214	5.2174
	3.3866					
0.61000	6.7228	1.0479	3.2100	1.0857	24.552	4.1247
	4.6003	4.5764	4.8259	4.0320	4.7386	3.6299
	3.5194	3.9113	3.8949	2.8309	1.2352	4.4789
	3.2030					
0.60000	5.5032	1.0167	3.1496	1.0588	25.001	3.9377
	4.1915	4.4406	4.4684	3.7331	4.8604	3.7445
	3.3417	4.1210	3.7638	2.7205	1.1566	5.0086
	2.9624					
0.59000	6.1732	1.0999	3.2428	0.97850	22.355	4.5286
	4.3709	4.0646	4.9162	4.0288	4.2876	3.5228
	3.5522	3.7358	3.6968	2.5215	1.1450	4.3404
	2.9080					
0.58000	6.1006	0.64312	3.4269	0.98359	20.860	4.2324
	4.1537	3.7635	5.0035	3.4811	4.1306	3.3985
	3.2739	3.5060	3.6072	2.5332	1.1828	4.3802
	2.7915					
0.57000	6.3345	0.63135	3.0763	0.91383	21.766	4.6055
	4.2759	3.7412	4.5836	3.4302	3.6217	3.4258
	3.2350	3.2828	3.4810	2.2358	1.0858	4.3349
	2.7510					
0.56000	5.8223	0.63028	2.8385	0.96274	23.086	3.9736
	3.9707	3.5460	4.5506	3.1238	3.6202	3.1207
	3.0849	3.3897	3.3333	2.1734	1.0413	4.2529
	2.9358					
0.55000	5.2762	0.67666	2.7110	1.0570	22.712	4.0908
	3.4899	3.2759	4.5022	3.2046	3.5302	3.1153
	2.8848	3.1239	2.9224	2.2266	1.0641	3.8798
	2.6502					
0.54000	5.8769	1.9717	2.7351	1.0646	20.636	3.7261
	3.2331	3.1104	4.6541	3.0129	3.3359	3.0068
	2.6258	3.0834	2.9181	2.1899	0.99636	5.1380
	2.6244					
0.53000	6.0622	2.3560	2.7417	0.92247	20.232	3.6111
	3.3036	3.0488	4.1211	3.1310	3.1012	2.8677
	2.6620	2.8203	2.6889	2.0761	0.97613	4.6448
	2.6306					
0.52000	6.1727	2.2008	2.9142	0.85764	19.123	3.4674
	3.0370	2.9794	3.7611	2.8077	2.9956	2.8388
	2.4642	2.7072	2.8423	2.1089	0.95751	4.2037
	2.5534					
0.51000	7.2003	2.0958	2.7989	0.98828	18.552	3.2073
	2.9213	2.8863	3.9794	2.5934	2.8447	2.7884
	2.5572	2.7263	2.8045	1.9562	0.92628	4.2461

	2.4258					
0.50000	7.2823	2.0934	2.8370	1.0021	17.635	3.1573
	2.8246	2.6121	3.8000	2.7495	2.7552	2.6827
	2.3739	2.4985	2.6667	1.9547	0.89079	4.3626
	2.3220					
0.49000	6.7688	1.9309	2.6494	1.0344	17.280	3.0334
	2.7768	2.1248	3.6295	2.5067	2.8443	2.4314
	2.3024	2.5364	2.6508	1.8795	0.88130	4.9503
	2.2819					
0.48000	6.1711	1.9408	2.7078	0.99389	17.236	2.9531
	2.7827	2.5697	3.4841	2.5388	2.7674	2.5695
	2.2546	2.2840	2.6692	1.8389	0.84633	4.3759
	2.1693					
0.47000	6.8431	1.9043	2.5238	0.95489	17.285	2.8880
	2.8459	2.6586	3.4772	2.5049	2.8025	2.4176
	2.0870	2.2040	2.6774	1.6911	0.80537	4.3522
	2.3080					
0.46000	6.7713	1.8552	2.5266	0.95338	16.824	2.8369
	2.8149	2.6451	3.4089	2.3679	2.5903	2.4892
	2.2152	2.2955	2.3855	1.5290	0.77880	3.9491
	2.1667					
0.45000	6.7721	1.7262	2.4669	0.83568	15.728	2.3530
	2.7378	2.0969	3.5787	2.3257	2.5411	2.3828
	2.2055	2.3118	2.3798	1.5525	0.77053	4.0132
	2.0226					
0.44000	6.1156	1.7337	2.5415	0.76859	82.594	2.3750
	2.6409	2.2109	3.3587	2.2888	2.4586	2.2971
	2.0379	2.0230	2.1892	1.5748	0.76241	4.6618
	2.0223					
0.43000	5.7330	1.7561	2.4808	0.76890	66.613	2.2954
	2.6374	2.3551	3.0690	2.2091	2.2500	2.3174
	1.9596	2.1085	2.2959	1.5498	0.73467	4.4130
	2.0081					
0.42000	5.0083	1.5738	2.6789	0.70413	61.757	2.2775
	2.7137	2.4103	2.9713	2.1783	2.1095	2.1594
	1.8153	2.3277	2.1020	1.5363	0.73508	3.8390
	1.9035					
0.41000	5.6496	1.5957	2.7731	0.79250	63.016	2.2179
	2.4546	2.3711	2.8426	2.1181	2.1177	2.0455
	1.8447	2.0953	2.0655	1.5840	0.71205	3.9597
	1.9276					
0.40000	5.4237	1.5396	2.6774	0.75025	65.375	2.1797
	2.4639	2.2371	2.6258	2.0516	2.1304	2.1702
	1.8860	1.9202	2.0998	1.6369	0.66111	3.6197
	1.8949					
0.39000	5.9133	1.4382	2.8082	0.66843	39.995	2.0360
	2.4637	2.3117	3.1484	2.1095	2.0618	2.1504
	1.6571	1.8889	1.8783	1.5541	0.65735	3.5958
	1.8941					
0.38000	5.0139	1.3872	3.0324	0.60170	40.004	2.0169
	2.3475	2.3111	3.0503	2.0794	1.9898	1.9801
	1.7267	1.8503	1.9169	1.4858	0.70669	3.8066
	1.8449					
0.37000	4.6917	1.4432	2.7642	0.63503	36.168	1.9890
	2.1837	2.1672	3.1660	1.9316	1.9571	2.1030
	1.6744	1.8231	1.8059	1.4270	0.63961	4.0564
	1.7561					
0.36000	4.9539	1.4199	2.8758	0.68733	40.116	1.9556
	2.1352	2.1960	2.9890	1.9387	1.8627	2.0183
	1.7059	1.8379	1.7760	1.4585	0.61008	3.8938
	1.7853					
0.35000	4.3925	1.2978	2.8609	0.71708	35.209	1.8887
	2.0278	2.3796	2.8708	1.8872	1.8950	2.0166
	1.4315	1.7552	1.7815	1.5111	0.60816	3.3100

	1.7976					
0.34000	4.2744	1.2658	2.9554	0.74079	34.441	1.9161
	2.0160	2.3254	2.5701	1.8739	1.7626	1.9500
	1.5395	1.7169	1.6575	1.3875	0.63879	4.1143
	1.7054					
0.33000	4.2429	1.3177	2.6293	0.73539	36.174	1.8342
	1.8233	1.9922	2.6531	1.7819	1.7715	1.8650
	1.5129	1.6434	1.4986	1.3711	0.60724	4.5112
	1.6466					
0.32000	4.5046	1.3706	2.6544	0.70678	33.856	1.8660
	1.8341	2.0233	2.5068	1.9021	1.7122	1.8670
	1.4913	1.5655	1.5234	1.4282	0.59799	4.1135
	1.6122					
0.31000	4.4473	1.2834	2.6324	0.71577	32.889	1.7823
	1.8986	1.9763	2.3039	1.8702	1.6574	1.8715
	1.5236	1.5198	1.5663	1.3966	0.58857	3.9806
	1.5426					
0.30000	4.3456	1.2945	2.5990	0.70390	35.171	1.6618
	1.8723	2.1179	2.2836	1.8226	1.5951	1.8987
	1.5176	1.5075	1.4182	1.3580	0.60156	4.9986
	1.5793					
0.29000	3.9652	1.2468	2.3950	0.68789	32.827	1.7719
	1.8564	1.9845	2.0211	1.8491	1.5890	1.9122
	1.4859	1.4337	1.3941	1.3797	0.60364	4.2217
	1.5378					
0.28000	4.9208	1.1714	2.4247	0.66705	35.427	1.6966
	1.6934	2.0767	2.2678	1.8808	1.6053	1.8401
	1.4330	1.4645	1.4623	1.3569	0.56303	5.0079
	1.5401					
0.27000	3.7512	1.2032	2.4882	0.61587	34.119	1.6507
	1.6689	2.0654	2.1031	1.7236	1.5296	1.7909
	1.3776	1.4558	1.3601	1.2924	0.55786	5.9367
	1.5191					
0.26000	3.7832	1.1732	2.3252	0.59839	30.444	1.6503
	1.6705	1.9127	1.6581	1.7291	1.4722	1.7680
	1.3894	1.5882	1.4131	1.2613	0.52402	5.0136
	1.5307					
0.25000	3.3884	1.0662	2.2898	0.56520	37.167	1.5908
	1.6115	2.0018	1.8856	1.7176	1.4973	1.8209
	1.4811	1.4022	1.4809	1.3146	0.50000	1.9629
	1.4763					
0.24000	3.5957	1.0925	2.3934	0.48012	37.001	1.6147
	1.6071	1.8019	1.8970	1.7833	1.6000	1.8908
	1.4470	1.3750	1.3578	1.2452	0.51429	1.8810
	1.4558					
0.23000	3.9224	1.0951	2.3432	0.53764	34.404	1.5597
	1.5877	1.7883	1.8352	1.8052	1.5877	1.8080
	1.4560	1.3659	1.3408	1.1890	0.50000	1.9691
	1.4113					
0.22000	3.8494	1.0862	2.4301	0.52946	34.999	1.4662
	1.6117	1.7453	1.8269	1.7273	1.4781	1.6943
	1.4135	1.3696	1.2719	1.1076	0.49187	1.9429
	1.3966					
0.21000	3.3057	1.1006	2.2564	0.51083	34.629	1.4599
	1.6604	1.7702	1.5550	1.5925	1.4888	1.6811
	1.3571	1.3111	1.2414	1.1494	0.48080	1.8777
	1.3736					
0.20000	3.1850	1.0519	2.1986	0.48483	32.901	1.4401
	1.6472	1.7460	1.5845	1.5869	1.5893	1.6914
	1.2851	1.2545	1.2787	1.1111	0.48109	1.8575
	1.3508					
0.19000	3.2266	1.0018	2.3553	0.47895	31.792	1.4156
	1.6008	1.6855	1.6267	1.5593	1.3964	1.6652
	1.1947	1.2500	1.1237	1.0634	0.47756	1.9157

	1.3706					
0.18000	3.1655	1.0156	2.3803	0.46775	30.098	1.3793
	1.4907	1.6146	1.5884	1.5219	1.3824	1.5434
	1.2755	1.2000	1.2000	1.0769	0.46791	1.8504
	1.3103					
0.17000	3.1795	1.0088	2.2613	0.43838	29.109	1.3993
	1.4866	1.5544	1.5382	1.4226	1.3586	1.5838
	1.2181	1.2043	1.1893	1.0474	0.44050	1.8859
	1.2542					
0.16000	3.4285	0.98453	2.3717	0.41512	29.318	1.3538
	1.5813	1.4903	1.5370	1.4065	1.4192	1.5000
	1.1934	1.2353	1.1776	1.0765	0.43810	1.8711
	1.2783					
0.15000	3.1744	1.0653	2.1997	0.42053	28.288	1.3678
	1.4562	1.5542	1.3803	1.4215	1.2675	1.5257
	1.1930	1.2436	1.0987	1.0000	0.41700	1.7718
	1.2590					
0.14000	3.0776	1.0366	2.2603	0.38729	25.670	1.3925
	1.4169	1.5809	1.4598	1.3952	1.2639	1.4104
	1.0828	1.1364	1.1364	0.91875	0.42576	1.7508
	1.2069					
0.13000	2.6555	0.97866	2.2511	0.42582	26.500	1.3614
	1.3982	1.5761	1.4492	1.4063	1.3026	1.4129
	1.1172	1.1286	1.0153	0.92053	0.42280	1.7553
	1.1734					
0.12000	2.5702	1.0159	2.1863	0.38514	25.478	1.3246
	1.3666	1.4664	1.3186	1.3222	1.2667	1.4058
	1.1119	1.1382	0.97561	0.91304	0.39500	1.7761
	0.73485					
0.11000	2.8531	0.98999	2.2395	0.38802	24.962	1.3256
	1.3509	1.5000	1.3285	1.3106	1.1503	1.4597
	1.1000	1.1802	1.0377	0.87500	0.36712	1.7113
	1.1565					
0.10000	2.9084	1.0196	2.2677	0.38767	26.756	1.2625
	1.4467	1.4908	1.3967	1.1772	1.1329	1.4957
	1.0901	1.2151	1.0000	0.93396	0.36202	1.7442
	1.1190					
0.090000	2.8710	1.0237	2.1538	0.34773	25.802	1.2963
	1.3894	1.4541	1.3081	1.2014	1.1898	1.4400
	1.1053	1.1196	0.96667	0.89899	0.35855	1.7409
	1.1297					
0.080000	3.0337	1.0015	2.1248	0.37733	25.568	1.2824
	1.4184	1.2791	1.2930	1.1024	1.0640	1.3617
	1.0345	1.1250	0.97619	0.88764	0.33942	1.7029
	1.1273					
0.070000	2.9745	0.96840	1.9873	0.37224	24.608	1.1923
	1.3468	1.2600	1.2409	1.1574	1.0833	1.2625
	1.0417	1.0909	0.89041	0.81250	0.33054	1.6903
	1.0822					
0.060000	2.2677	1.0013	2.4894	0.33551	24.645	1.1658
	1.3562	1.2015	1.2455	1.1053	1.0543	1.1644
	0.94118	1.0172	0.88710	0.82090	0.30583	1.6538
	1.0887					
0.050000	2.6673	0.97826	2.2391	0.37462	24.251	1.1429
	1.2927	1.1228	1.2165	1.1169	1.0000	1.2034
	1.0185	0.88235	0.88000	0.72881	0.30357	1.5487
	1.0918					
0.040000	2.4930	0.92848	3.4092	0.35248	24.531	1.1860
	1.2524	1.0745	1.1333	1.0645	1.0167	1.1739
	0.95238	0.92683	0.69767	0.63830	0.27338	1.5698
	1.0854					
0.030000	2.5846	0.89049	2.9853	0.35023	23.929	1.1443
	1.2162	1.1094	1.1636	1.0000	0.93333	1.0270
	0.72727	0.72727	0.67857	0.58333	0.25962	1.4853

	1.0164					
0.020000	2.3130	0.90078	2.7704	0.33212	25.432	1.1452
	1.0816	0.89583	1.0857	0.90323	0.71875	0.86957
	0.70000	0.66667	0.41667	0.41667	0.15278	1.3333
	0.88095					
0.0100000	2.6954	0.86802	2.6433	0.32750	26.088	1.0345
	0.87500	0.76190	0.77778	0.62500	0.66667	0.50000
	0.20000	0.090909	0.090909	0.083333	0.029412	1.0870
	0.50000					

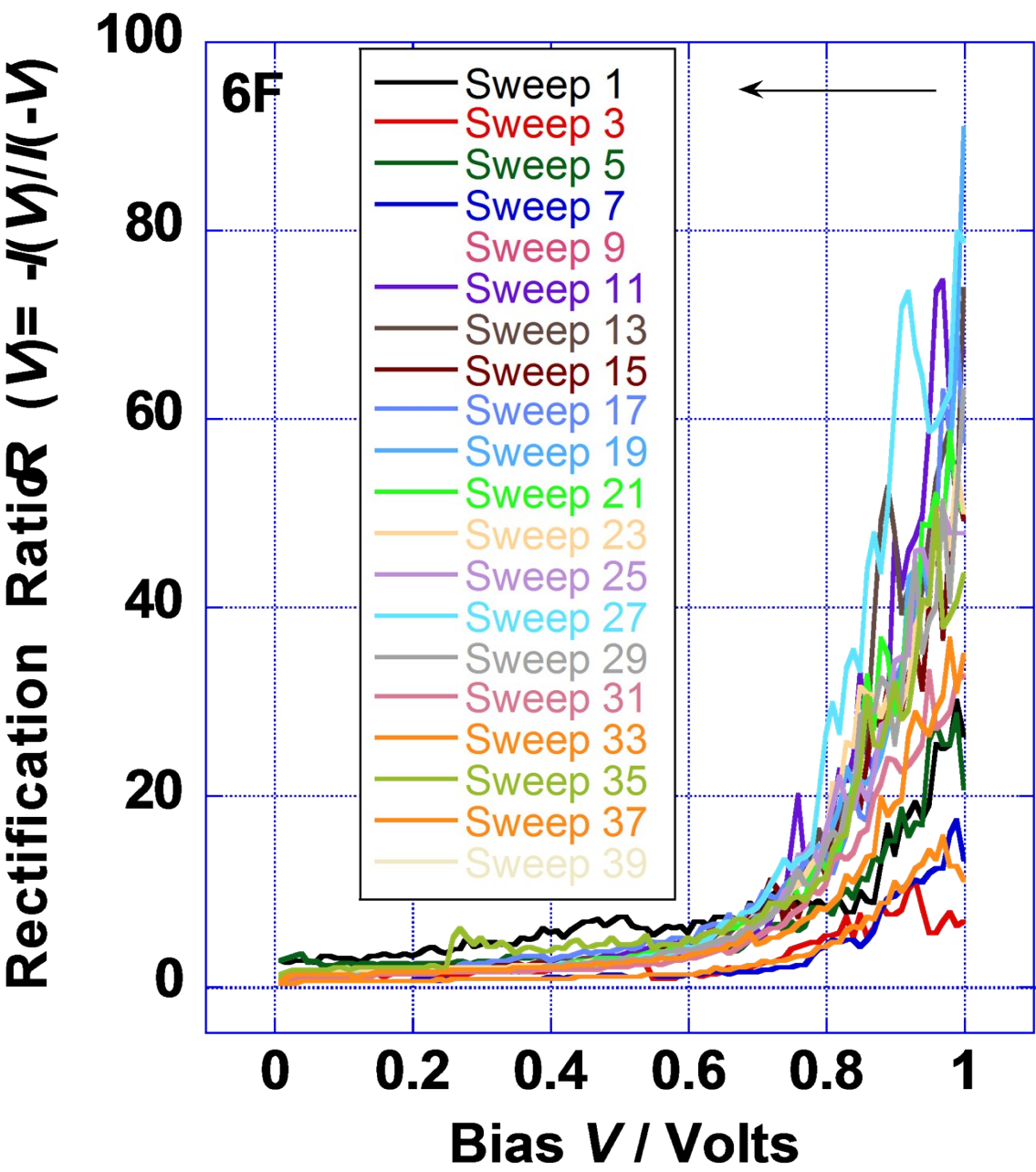


FIG. 6F. Sandwich#3.P.to.N. RR. vs V