

```
#####
### MCD_v6.1 with climatology average solar scenario.
### JD 2462225.03833. Altitude 311500.0 m ALS.
### -----
### Column 1 is East longitude (degrees)
### Columns 2+ are Density (kg/m3)
### Line 1 is North latitude (degrees)
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### Retrieved on: 2022-12-29T18:07:17.952624
### Mars Climate Database (c) LMD/OU/IAA/ESA/CNES
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+042	1.06497e-13	7.20782e-14	7.55431e-14	7.70557e-14	4.58908e-14	2.69945e-14

14	2.36569e-14	2.47027e-14	2.42463e-14	2.26184e-14	1.93278e-14	1.74918e-14
1.76247e-14	1.43349e-14	1.26574e-14	1.13363e-14	9.97267e-15	1.04483e-14	
1.03047e-14	9.60414e-15	9.18049e-15	8.68100e-15	8.96878e-15	9.06429e-15	
9.37221e-15	9.50073e-15	8.22371e-15	8.03159e-15	7.69840e-15	7.84528e-15	
7.34024e-15	7.33060e-15	7.24202e-15	7.07904e-15	7.63250e-15	7.59963e-15	
8.82784e-15	1.00403e-14	1.20516e-14	1.53125e-14	2.00292e-14	2.53839e-14	
3.03452e-14	3.44824e-14	3.75402e-14	3.92078e-14	3.91478e-14	4.22260e-14	
+048	1.06453e-13	7.28823e-14	7.41489e-14	7.61571e-14	4.54237e-14	2.66394e-14
14	2.40041e-14	2.37233e-14	2.59545e-14	2.49176e-14	2.34554e-14	1.99657e-14
1.92610e-14	1.73159e-14	1.65155e-14	1.73018e-14	1.36549e-14	1.16080e-14	
1.06490e-14	9.71328e-15	9.36738e-15	8.91800e-15	9.01658e-15	8.61295e-15	
8.35654e-15	7.76933e-15	7.29952e-15	7.16662e-15	6.97162e-15	6.56653e-15	
6.46642e-15	6.70045e-15	6.68238e-15	6.90973e-15	7.54774e-15	7.51798e-15	
8.43600e-15	9.87494e-15	1.20565e-14	1.54702e-14	2.02108e-14	2.54384e-14	
3.03339e-14	3.44665e-14	3.76340e-14	3.89623e-14	3.95834e-14	4.22105e-14	
+054	1.06464e-13	7.27996e-14	7.26690e-14	7.55127e-14	4.58436e-14	2.61368e-14
14	2.36416e-14	2.40957e-14	2.60896e-14	2.84518e-14	3.01571e-14	2.96720e-14
3.13170e-14	2.96235e-14	2.41409e-14	1.98179e-14	1.67929e-14	1.34349e-14	
1.13216e-14	9.74726e-15	9.01878e-15	9.10084e-15	8.26219e-15	7.50817e-15	
7.28978e-15	6.84003e-15	6.61362e-15	6.23285e-15	6.53715e-15	6.07658e-15	
6.33152e-15	6.52417e-15	6.53944e-15	6.99083e-15	7.52752e-15	7.63003e-15	
8.57467e-15	1.00021e-14	1.22248e-14	1.57583e-14	2.05281e-14	2.56677e-14	
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+060	1.06473e-13	7.26801e-14	7.11019e-14	7.51962e-14	4.57369e-14	2.57827e-14
14	2.33445e-14	2.61819e-14	3.26755e-14	3.33999e-14	3.95470e-14	4.93890e-14
4.98193e-14	4.54104e-14	3.74518e-14	2.55845e-14	2.14176e-14	1.44963e-14	
1.12075e-14	1.03767e-14	9.52447e-15	8.15706e-15	7.32883e-15	6.68219e-15	
6.27479e-15	5.85934e-15	5.68340e-15	5.46724e-15	5.57982e-15	5.54798e-15	
6.15221e-15	6.01350e-15	6.47369e-15	6.66097e-15	7.08020e-15	7.69727e-15	
8.77191e-15	1.02874e-14	1.28117e-14	1.65123e-14	2.12401e-14	2.60702e-14	
3.06845e-14	3.47623e-14	3.78034e-14	3.86084e-14	3.96309e-14	4.23221e-14	
+065	1.06481e-13	7.23163e-14	6.95546e-14	7.41029e-14	4.56421e-14	2.56730e-14
14	2.44833e-14	2.90979e-14	3.76112e-14	4.78092e-14	6.06085e-14	6.59980e-14
6.49967e-14	5.87207e-14	4.41741e-14	3.13743e-14	1.98989e-14	1.64282e-14	
1.19308e-14	1.02518e-14	8.60661e-15	7.50817e-15	6.93896e-15	6.39360e-15	
5.76837e-15	5.53942e-15	5.38061e-15	5.25511e-15	5.28890e-15	5.67996e-15	
5.73832e-15	5.91143e-15	6.37786e-15	6.72164e-15	7.26650e-15	8.05130e-15	
9.19062e-15	1.10227e-14	1.38107e-14	1.76058e-14	2.20927e-14	2.67116e-14	
3.11177e-14	3.49842e-14	3.80521e-14	3.97645e-14	3.99916e-14	4.22449e-14	
+071	1.06494e-13	7.35943e-14	6.81427e-14	7.29183e-14	4.38311e-14	2.57859e-14
14	2.54435e-14	3.23874e-14	4.46475e-14	6.14574e-14	7.39500e-14	7.69264e-14
7.35947e-14	6.27312e-14	4.55910e-14	3.07798e-14	2.24853e-14	1.39863e-14	
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5.57762e-15	5.34535e-15	5.29066e-15	5.33027e-15	5.50928e-15	5.52333e-15	
5.60321e-15	6.22516e-15	6.43105e-15	7.01714e-15	7.68453e-15	8.65155e-15	
1.00124e-14	1.21648e-14	1.52161e-14	1.90105e-14	2.32829e-14	2.75796e-14	
3.16385e-14	3.53907e-14	3.83855e-14	4.00812e-14	3.98989e-14	4.22142e-14	
+077	1.06509e-13	7.60380e-14	6.72328e-14	7.18988e-14	4.47869e-14	2.48196e-14
14	2.63264e-14	3.81695e-14	5.80587e-14	7.42624e-14	8.25705e-14	8.28619e-14
7.60518e-14	6.17564e-14	4.15205e-14	2.94397e-14	2.06339e-14	1.56944e-14	
1.23341e-14	9.89068e-15	8.84054e-15	7.63651e-15	6.72492e-15	6.28714e-15	
5.77106e-15	5.80461e-15	5.73008e-15	5.76990e-15	5.75161e-15	6.13639e-15	
6.30847e-15	6.37080e-15	7.16667e-15	7.74965e-15	8.56548e-15	9.73727e-15	
1.14493e-14	1.39228e-14	1.70963e-14	2.06834e-14	2.46532e-14	2.84985e-14	
3.22814e-14	3.58337e-14	3.86712e-14	4.01162e-14	4.01737e-14	4.23278e-14	
+082	1.06512e-13	8.01935e-14	6.66306e-14	7.12538e-14	4.53037e-14	2.75444e-14
14	3.33409e-14	4.76655e-14	6.89092e-14	7.95262e-14	8.60457e-14	8.46429e-14
7.32944e-14	5.51016e-14	3.60298e-14	2.51134e-14	2.17520e-14	1.46214e-14	
1.16644e-14	8.91059e-15	8.81799e-15	7.92274e-15	6.70145e-15	6.29669e-15	
6.77877e-15	5.75722e-15	6.05001e-15	6.22700e-15	6.39786e-15	6.61879e-15	
6.89865e-15	7.53799e-15	8.05663e-15	8.84802e-15	9.91781e-15	1.14887e-14	
1.36484e-14	1.63623e-14	1.94581e-14	2.27025e-14	2.61188e-14	2.95909e-14	
3.29720e-14	3.62763e-14	3.90118e-14	4.06384e-14	4.01407e-14	4.23017e-14	
+088	1.06496e-13	8.25606e-14	6.54214e-14	6.98630e-14	4.66456e-14	3.29815e-14
14	3.78737e-14	5.83637e-14	7.74029e-14	8.39257e-14	8.45528e-14	8.35902e-14
6.73451e-14	4.57021e-14	3.20216e-14	2.33361e-14	1.68591e-14	1.30769e-14	
1.09262e-14	9.25563e-15	8.67338e-15	7.51232e-15	7.34130e-15	6.54795e-15	

6.39598e-15	6.41380e-15	6.66480e-15	6.73949e-15	6.99102e-15	7.36559e-15	
7.89534e-15	8.49775e-15	9.38553e-15	1.05631e-14	1.20384e-14	1.40853e-14	
1.63938e-14	1.91154e-14	2.19571e-14	2.46991e-14	2.77769e-14	3.05039e-14	
3.38231e-14	3.67977e-14	3.94403e-14	4.07851e-14	4.03943e-14	4.22603e-14	
+094	1.06495e-13	8.42953e-14	6.45204e-14	6.89793e-14	4.74317e-14	3.54479e-14
14	4.29220e-14	6.76184e-14	8.03200e-14	8.58259e-14	8.24133e-14	7.40837e-14
5.66644e-14	3.63285e-14	2.77316e-14	1.99825e-14	1.56825e-14	1.24289e-14	
1.11828e-14	9.42636e-15	8.70063e-15	7.87440e-15	7.46805e-15	6.92104e-15	
6.93623e-15	6.61909e-15	7.01032e-15	7.28772e-15	7.71351e-15	8.28685e-15	
9.09001e-15	1.01375e-14	1.14300e-14	1.31295e-14	1.51482e-14	1.74278e-14	
1.97664e-14	2.21393e-14	2.45085e-14	2.69043e-14	2.94283e-14	3.20670e-14	
3.48908e-14	3.73777e-14	3.97290e-14	4.10201e-14	3.96482e-14	4.22918e-14	
+100	1.06514e-13	8.48790e-14	6.40651e-14	6.89537e-14	4.90657e-14	3.90413e-14
14	5.28496e-14	7.64786e-14	8.36329e-14	8.61923e-14	8.12713e-14	6.66189e-14
4.65201e-14	3.17724e-14	2.12362e-14	1.70858e-14	1.44958e-14	1.18828e-14	
1.07378e-14	9.29489e-15	8.68163e-15	8.19688e-15	7.76027e-15	7.62020e-15	
7.47703e-15	7.44328e-15	7.54954e-15	8.11026e-15	8.58206e-15	9.92918e-15	
1.11738e-14	1.27272e-14	1.45577e-14	1.66588e-14	1.88659e-14	2.10035e-14	
2.30869e-14	2.50783e-14	2.70498e-14	2.90586e-14	3.10929e-14	3.33782e-14	
3.56716e-14	3.80235e-14	4.01567e-14	4.09178e-14	4.07703e-14	4.22986e-14	
+105	1.06513e-13	8.62155e-14	6.33939e-14	6.93293e-14	5.51110e-14	4.49532e-14
14	6.40483e-14	8.11966e-14	8.53345e-14	8.58252e-14	7.83398e-14	5.51153e-14
3.71213e-14	2.66811e-14	2.06420e-14	1.64734e-14	1.33573e-14	1.12629e-14	
1.04083e-14	9.21868e-15	8.84618e-15	8.35043e-15	8.03168e-15	8.26438e-15	
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1.42848e-14	1.62944e-14	1.83280e-14	2.02790e-14	2.22419e-14	2.41975e-14	
2.60318e-14	2.77368e-14	2.93149e-14	3.09625e-14	3.26879e-14	3.45386e-14	
3.66738e-14	3.86319e-14	4.05474e-14	4.16380e-14	4.11167e-14	4.23039e-14	
+111	1.06523e-13	8.69805e-14	6.23728e-14	6.85228e-14	5.87746e-14	5.64449e-14
14	7.30013e-14	8.47994e-14	8.67608e-14	8.39278e-14	7.48686e-14	4.75955e-14
3.37513e-14	2.58240e-14	1.91882e-14	1.54928e-14	1.27719e-14	1.12045e-14	
9.88418e-15	9.34103e-15	8.97293e-15	8.86220e-15	8.96992e-15	9.02487e-15	
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2.84906e-14	2.99014e-14	3.13437e-14	3.27668e-14	3.41060e-14	3.57981e-14	
3.75219e-14	3.92815e-14	4.11042e-14	4.14598e-14	4.14091e-14	4.23137e-14	
+117	1.06535e-13	8.89225e-14	6.23943e-14	6.83148e-14	6.39560e-14	6.58607e-14
14	7.97171e-14	8.62699e-14	8.76527e-14	8.36963e-14	6.80863e-14	4.40062e-14
3.18002e-14	2.35178e-14	1.78304e-14	1.49696e-14	1.25293e-14	1.09758e-14	
1.01429e-14	9.58045e-15	9.65288e-15	9.58858e-15	9.78256e-15	1.07773e-14	
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3.04334e-14	3.16967e-14	3.30857e-14	3.40434e-14	3.53891e-14	3.68319e-14	
3.84409e-14	3.99746e-14	4.14550e-14	4.21243e-14	4.06153e-14	4.23169e-14	
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14	8.46418e-14	9.00151e-14	8.98857e-14	8.38293e-14	6.21394e-14	3.84410e-14
2.62953e-14	2.02447e-14	1.73772e-14	1.46704e-14	1.29609e-14	1.14963e-14	
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3.16591e-14	3.28829e-14	3.42348e-14	3.53053e-14	3.65522e-14	3.77891e-14	
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14	8.79899e-14	8.98943e-14	8.96757e-14	7.93392e-14	5.95818e-14	3.43513e-14
2.55501e-14	2.22578e-14	1.78647e-14	1.63222e-14	1.41861e-14	1.39917e-14	
1.24003e-14	1.32167e-14	1.26435e-14	1.32547e-14	1.42600e-14	1.54637e-14	
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3.22906e-14	3.37364e-14	3.50956e-14	3.62059e-14	3.73419e-14	3.85783e-14	
3.99978e-14	4.11799e-14	4.23993e-14	4.29523e-14	4.23422e-14	4.23221e-14	
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14	8.95325e-14	9.09648e-14	8.95323e-14	7.34138e-14	4.82274e-14	3.32729e-14
2.56203e-14	2.21739e-14	1.98917e-14	1.86579e-14	1.60972e-14	1.50115e-14	
1.43494e-14	1.43382e-14	1.45173e-14	1.50272e-14	1.67589e-14	1.73706e-14	
1.83741e-14	1.90647e-14	1.97736e-14	2.02713e-14	2.10228e-14	2.18225e-14	
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3.26982e-14	3.41454e-14	3.56770e-14	3.68534e-14	3.81428e-14	3.94115e-14	

4.07250e-14	4.18323e-14	4.28607e-14	4.33244e-14	4.27910e-14	4.23247e-14	
+140	1.06399e-13	9.67180e-14	8.49278e-14	7.23483e-14	8.01213e-14	8.85440e-14
14	9.14490e-14	9.01407e-14	8.61178e-14	6.43099e-14	4.13267e-14	3.16018e-14
2.89317e-14	2.46489e-14	2.27218e-14	2.18101e-14	1.89257e-14	1.65995e-14	
1.55337e-14	1.48458e-14	1.58788e-14	1.71974e-14	1.78143e-14	1.79088e-14	
1.91065e-14	1.95399e-14	2.00244e-14	2.04325e-14	2.04943e-14	2.14802e-14	
2.24480e-14	2.40477e-14	2.54388e-14	2.80467e-14	2.99771e-14	3.13579e-14	
3.03542e-14	3.44834e-14	3.53086e-14	3.72139e-14	3.87048e-14	4.00971e-14	
4.12447e-14	4.23859e-14	4.32297e-14	4.35863e-14	4.29520e-14	4.23507e-14	
+145	1.06443e-13	9.83789e-14	8.73822e-14	7.36812e-14	8.23114e-14	9.00369e-14
14	9.02991e-14	8.76191e-14	7.69613e-14	5.50862e-14	3.98185e-14	3.62900e-14
3.07744e-14	2.79578e-14	2.36187e-14	2.13615e-14	1.93572e-14	1.75879e-14	
1.68987e-14	1.56353e-14	1.60473e-14	1.56695e-14	1.83774e-14	1.84284e-14	
1.91162e-14	2.01311e-14	2.04423e-14	2.05459e-14	2.10393e-14	2.00279e-14	
2.56889e-14	2.27542e-14	2.51290e-14	2.78359e-14	2.96337e-14	3.13783e-14	
3.28946e-14	3.46402e-14	3.61834e-14	3.77652e-14	3.92989e-14	4.06423e-14	
4.19396e-14	4.29094e-14	4.36285e-14	4.37795e-14	4.31207e-14	4.23292e-14	
+151	1.06511e-13	9.99827e-14	9.31718e-14	8.05749e-14	8.42051e-14	9.10102e-14
14	8.87042e-14	7.91175e-14	6.34760e-14	5.03888e-14	4.10546e-14	3.58878e-14
3.29192e-14	3.03465e-14	2.56327e-14	2.25519e-14	2.01543e-14	1.73031e-14	
1.56308e-14	1.54916e-14	1.51860e-14	1.67677e-14	1.73801e-14	1.86316e-14	
1.97219e-14	2.02988e-14	2.07131e-14	2.10847e-14	2.04449e-14	2.09958e-14	
2.21994e-14	2.27964e-14	2.66463e-14	2.72853e-14	2.96022e-14	3.12953e-14	
3.31181e-14	3.47843e-14	3.64489e-14	3.83043e-14	3.97679e-14	4.13822e-14	
4.23783e-14	4.34671e-14	4.39130e-14	4.40619e-14	4.33876e-14	4.23293e-14	
+157	1.06529e-13	9.81471e-14	9.10765e-14	7.87122e-14	8.59351e-14	8.92163e-14
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3.29657e-14	3.04590e-14	2.51156e-14	2.11349e-14	1.91575e-14	1.71556e-14	
1.65626e-14	1.56890e-14	1.57286e-14	1.67273e-14	1.78255e-14	1.84804e-14	
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4.31480e-14	4.37622e-14	4.42680e-14	4.41416e-14	4.33292e-14	4.23352e-14	
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4.32931e-14	4.39091e-14	4.45038e-14	4.41999e-14	4.20804e-14	4.23274e-14	
+168	1.06258e-13	9.68783e-14	8.99367e-14	8.10920e-14	8.67686e-14	7.91223e-14
14	6.14160e-14	4.97861e-14	4.72707e-14	4.40362e-14	4.03875e-14	3.51130e-14
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2.38288e-14	2.53773e-14	2.69432e-14	2.86177e-14	3.00775e-14	3.17894e-14	
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4.35976e-14	4.44774e-14	4.47280e-14	4.42951e-14	4.33420e-14	4.23377e-14	
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1.72761e-14	1.82086e-14	1.89251e-14	2.04141e-14	2.08777e-14	2.18268e-14	
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4.44512e-14	4.51442e-14	4.50427e-14	4.42635e-14	4.39442e-14	4.23663e-14	

 ### MCD_v6.1 with climatology average solar scenario.

JD 2462225.03833. Altitude 311500.0 m ALS.

Column 1 is East longitude (degrees)

Columns 2+ are Density RMS day to day variations (kg/m^3)

Line 1 is North latitude (degrees)

Retrieved on: 2022-12-29T18:07:17.956740

Mars Climate Database (c) LMD/OU/IAA/ESA/CNES

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-7.08511e+01 -6.70213e+01 -6.31915e+01 -5.93617e+01 -5.55319e+01 -5.17021e+01
-4.78723e+01 -4.40426e+01 -4.02128e+01 -3.63830e+01 -3.25532e+01 -2.87234e+01
-2.48936e+01 -2.10638e+01 -1.72340e+01 -1.34043e+01 -9.57447e+00 -5.74468e+00
-1.91489e+00 1.91489e+00 5.74468e+00 9.57447e+00 1.34043e+01 1.72340e+01
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4.40426e+01 4.78723e+01 5.17021e+01 5.55319e+01 5.93617e+01 6.31915e+01
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2.36400e-15	2.54307e-15	2.80230e-15	3.06749e-15	3.37961e-15	3.31319e-15	
3.07512e-15	2.63106e-15	2.33546e-15	1.97408e-15	1.65754e-15	1.51321e-15	
1.32652e-15	1.27295e-15	1.24120e-15	1.20671e-15	1.39866e-15	1.58505e-15	
1.81812e-15	2.26026e-15	2.91286e-15	3.92497e-15	5.26363e-15	6.48524e-15	
7.20421e-15	7.19945e-15	6.43070e-15	5.52132e-15	4.96145e-15	5.10405e-15	
+020	1.05549e-14	7.51058e-15	7.58433e-15	4.90741e-15	2.24543e-15	1.20564e-15
15	2.13712e-15	2.85871e-15	3.71479e-15	4.11472e-15	4.22009e-15	3.45831e-15
2.72549e-15	2.19091e-15	2.05974e-15	2.12345e-15	2.03377e-15	2.11355e-15	
2.40285e-15	2.73449e-15	2.98402e-15	3.48320e-15	3.66174e-15	3.47562e-15	
3.39296e-15	2.97859e-15	2.52786e-15	2.10278e-15	1.81329e-15	1.54453e-15	
1.36631e-15	1.31385e-15	1.27247e-15	1.33816e-15	1.43700e-15	1.57573e-15	
1.90328e-15	2.36065e-15	3.03064e-15	4.00822e-15	5.30515e-15	6.52357e-15	
7.23787e-15	7.16174e-15	6.37625e-15	5.48213e-15	4.90091e-15	5.10597e-15	
+025	1.05548e-14	6.92088e-15	7.05323e-15	5.16795e-15	2.17502e-15	8.97532e-15
16	2.01717e-15	2.93900e-15	4.08982e-15	5.27044e-15	5.04460e-15	4.99505e-15
4.34836e-15	3.76146e-15	2.80072e-15	2.47655e-15	2.20371e-15	2.08353e-15	
2.46460e-15	2.82158e-15	3.38132e-15	3.60403e-15	3.88353e-15	3.62014e-15	
3.30188e-15	2.86089e-15	2.55885e-15	2.18691e-15	1.90759e-15	1.64922e-15	
1.45317e-15	1.39497e-15	1.35313e-15	1.48093e-15	1.66903e-15	1.78208e-15	
2.12289e-15	2.57843e-15	3.17165e-15	4.09501e-15	5.39095e-15	6.52432e-15	
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+031	1.05546e-14	6.56975e-15	6.32656e-15	4.50708e-15	1.76011e-15	7.28441e-15
16	1.81591e-15	3.38347e-15	5.21332e-15	7.36009e-15	8.99035e-15	7.95289e-15
7.21365e-15	5.58762e-15	4.47977e-15	3.16555e-15	2.42612e-15	2.30190e-15	
2.24203e-15	2.87992e-15	3.05263e-15	3.50771e-15	3.62870e-15	3.49816e-15	
3.23223e-15	2.71966e-15	2.35105e-15	2.10495e-15	1.85252e-15	1.70976e-15	
1.57555e-15	1.64530e-15	1.64993e-15	1.71575e-15	2.04715e-15	2.03626e-15	
2.37331e-15	2.83560e-15	3.30778e-15	4.20889e-15	5.46069e-15	6.52852e-15	
7.13307e-15	7.07080e-15	6.33734e-15	5.40277e-15	4.90758e-15	5.11169e-15	
+037	1.05556e-14	6.48489e-15	5.73168e-15	3.99962e-15	1.67626e-15	7.72252e-15
16	1.50338e-15	4.53170e-15	7.80606e-15	1.02967e-14	1.11115e-14	1.04623e-14
9.53880e-15	7.48918e-15	5.33530e-15	4.07008e-15	3.32448e-15	2.84706e-15	
2.90683e-15	3.03327e-15	3.39646e-15	3.12094e-15	3.43771e-15	3.15998e-15	
2.66085e-15	2.46315e-15	2.32303e-15	1.95296e-15	1.96760e-15	1.88532e-15	
1.83892e-15	1.86569e-15	1.90846e-15	1.98889e-15	2.06164e-15	2.19954e-15	
2.49010e-15	2.85681e-15	3.42759e-15	4.32882e-15	5.46765e-15	6.53980e-15	
7.03827e-15	6.98620e-15	6.30054e-15	5.40407e-15	4.89231e-15	5.09970e-15	
+042	1.05576e-14	6.66765e-15	5.49991e-15	3.89720e-15	1.89440e-15	8.94249e-15
16	2.05606e-15	6.35248e-15	9.64918e-15	1.22531e-14	1.28167e-14	1.31630e-14
1.36744e-14	9.72068e-15	7.17613e-15	5.31910e-15	3.97509e-15	3.73719e-15	
3.55408e-15	3.35123e-15	3.20407e-15	2.97318e-15	2.90007e-15	2.68428e-15	

2.51236e-15	2.38107e-15	2.03973e-15	2.01242e-15	1.99767e-15	2.12575e-15	
2.11226e-15	2.19871e-15	2.21069e-15	2.17202e-15	2.32944e-15	2.31335e-15	
2.67317e-15	2.98797e-15	3.53965e-15	4.40857e-15	5.48944e-15	6.42481e-15	
6.92122e-15	6.84384e-15	6.21822e-15	5.37610e-15	4.84808e-15	5.10515e-15	
+048	1.05550e-14	6.56117e-15	5.57518e-15	4.01133e-15	2.33641e-15	1.65708e-15
15	3.35835e-15	7.01910e-15	1.14410e-14	1.41813e-14	1.52770e-14	1.34511e-14
1.24789e-14	9.91539e-15	8.25280e-15	7.45323e-15	5.24583e-15	4.19169e-15	
3.71183e-15	3.30330e-15	3.05451e-15	2.76188e-15	2.62321e-15	2.37849e-15	
2.22774e-15	2.05857e-15	1.95830e-15	1.97975e-15	2.02704e-15	2.03073e-15	
2.09499e-15	2.21504e-15	2.20494e-15	2.25059e-15	2.42290e-15	2.39597e-15	
2.68017e-15	3.07061e-15	3.65642e-15	4.52392e-15	5.54908e-15	6.34407e-15	
6.77688e-15	6.66976e-15	6.11502e-15	5.26810e-15	4.89209e-15	5.10350e-15	
+054	1.05556e-14	6.54459e-15	5.83221e-15	4.35921e-15	3.29525e-15	2.89210e-15
15	4.37663e-15	7.44152e-15	1.18658e-14	1.57851e-14	1.81344e-14	1.81415e-14
1.77106e-14	1.49378e-14	1.07593e-14	7.65861e-15	5.73359e-15	4.33375e-15	
3.52626e-15	2.94573e-15	2.62718e-15	2.55102e-15	2.29080e-15	2.09767e-15	
2.08521e-15	2.02051e-15	2.00302e-15	1.92947e-15	2.07398e-15	2.00493e-15	
2.12380e-15	2.19882e-15	2.19827e-15	2.31335e-15	2.44590e-15	2.45079e-15	
2.73040e-15	3.15452e-15	3.72694e-15	4.57404e-15	5.52796e-15	6.22953e-15	
6.57710e-15	6.46835e-15	5.98088e-15	5.24824e-15	4.85673e-15	5.10214e-15	
+060	1.05561e-14	7.05628e-15	6.13285e-15	5.28464e-15	4.83454e-15	3.83603e-15
15	4.79900e-15	7.66455e-15	1.42571e-14	1.75651e-14	2.26486e-14	2.56934e-14
2.38608e-14	2.01513e-14	1.48119e-14	8.60988e-15	6.21971e-15	4.02752e-15	
3.05943e-15	2.75694e-15	2.49621e-15	2.17312e-15	2.01119e-15	1.93068e-15	
1.93281e-15	1.91569e-15	1.92683e-15	1.87392e-15	1.91292e-15	1.90241e-15	
2.08743e-15	2.04444e-15	2.19617e-15	2.21786e-15	2.28556e-15	2.44987e-15	
2.77117e-15	3.22235e-15	3.82845e-15	4.67956e-15	5.51029e-15	6.07901e-15	
6.35313e-15	6.26935e-15	5.81467e-15	5.09076e-15	4.81222e-15	5.11530e-15	
+065	1.05566e-14	7.46546e-15	6.74512e-15	6.78838e-15	6.55490e-15	4.24114e-15
15	4.98824e-15	7.93979e-15	1.50150e-14	2.24113e-14	2.74544e-14	2.78650e-14
2.44566e-14	1.95553e-14	1.48305e-14	8.55822e-15	4.93002e-15	3.85250e-15	
2.84594e-15	2.46486e-15	2.12631e-15	1.94414e-15	1.90619e-15	1.90738e-15	
1.87627e-15	1.91725e-15	1.92561e-15	1.89104e-15	1.88854e-15	2.00130e-15	
2.00219e-15	2.05304e-15	2.18952e-15	2.24179e-15	2.32254e-15	2.50902e-15	
2.83472e-15	3.33370e-15	3.94670e-15	4.77948e-15	5.45563e-15	5.88708e-15	
6.11382e-15	6.01871e-15	5.67685e-15	5.11627e-15	4.82279e-15	5.10714e-15	
+071	1.05574e-14	7.81206e-15	8.03817e-15	9.87326e-15	8.11490e-15	4.38435e-15
15	4.82387e-15	8.07035e-15	1.66702e-14	2.40177e-14	2.84387e-14	2.72057e-14
2.25561e-14	1.69782e-14	1.23317e-14	6.71056e-15	4.47436e-15	2.81838e-15	
2.51077e-15	2.19637e-15	2.06171e-15	1.95629e-15	1.85655e-15	1.90657e-15	
1.86023e-15	1.90548e-15	1.95470e-15	1.98398e-15	2.03837e-15	2.01626e-15	
2.01428e-15	2.20591e-15	2.21993e-15	2.32655e-15	2.41884e-15	2.60997e-15	
2.93033e-15	3.44165e-15	4.08674e-15	4.84156e-15	5.37916e-15	5.70333e-15	
5.84574e-15	5.77871e-15	5.55487e-15	5.08202e-15	4.81048e-15	5.10390e-15	
+077	1.05583e-14	8.45233e-15	1.06512e-14	1.39810e-14	9.52171e-15	4.31212e-15
15	4.73313e-15	9.11369e-15	1.75808e-14	2.46109e-14	2.72970e-14	2.49669e-14
2.03603e-14	1.52696e-14	9.58522e-15	5.37459e-15	3.35718e-15	2.56716e-15	
2.19875e-15	1.98646e-15	1.97559e-15	1.89670e-15	1.85099e-15	1.92020e-15	
1.95945e-15	2.14406e-15	2.22811e-15	2.27234e-15	2.24887e-15	2.34114e-15	
2.33191e-15	2.26890e-15	2.43530e-15	2.49984e-15	2.60192e-15	2.79196e-15	
3.13485e-15	3.65119e-15	4.28492e-15	4.85007e-15	5.21748e-15	5.45760e-15	
5.55992e-15	5.55697e-15	5.43165e-15	5.05565e-15	4.85478e-15	5.11591e-15	
+082	1.05585e-14	9.81220e-15	1.48155e-14	1.78067e-14	1.07410e-14	5.01544e-15
15	5.81122e-15	1.11148e-14	1.80025e-14	2.30473e-14	2.46956e-14	2.26245e-14
1.86132e-14	1.38462e-14	7.62961e-15	4.28706e-15	3.19367e-15	2.11796e-15	
1.82903e-15	1.62050e-15	1.82392e-15	1.87138e-15	1.80567e-15	1.92482e-15	
2.34506e-15	2.23111e-15	2.46831e-15	2.57103e-15	2.59779e-15	2.57750e-15	
2.55159e-15	2.62267e-15	2.62090e-15	2.70389e-15	2.82753e-15	3.06498e-15	
3.47334e-15	3.96275e-15	4.47926e-15	4.84961e-15	5.03155e-15	5.19514e-15	
5.32173e-15	5.37276e-15	5.31503e-15	5.07447e-15	4.86179e-15	5.11313e-15	
+088	1.05576e-14	1.10597e-14	1.83157e-14	2.04841e-14	1.17192e-14	6.23333e-15
15	6.70720e-15	1.16475e-14	1.78166e-14	2.17658e-14	2.26880e-14	2.14509e-14
1.71593e-14	1.14540e-14	6.56985e-15	4.06861e-15	2.64855e-15	1.97752e-15	
1.73721e-15	1.66650e-15	1.79276e-15	1.79156e-15	1.98562e-15	2.01944e-15	
2.24046e-15	2.47938e-15	2.70890e-15	2.77667e-15	2.80471e-15	2.81225e-15	
2.83760e-15	2.80592e-15	2.83989e-15	2.98424e-15	3.14603e-15	3.44723e-15	
3.81052e-15	4.23685e-15	4.60939e-15	4.78948e-15	4.88723e-15	4.96052e-15	

5.12231e-15	5.19712e-15	5.22246e-15	5.08421e-15	4.89941e-15	5.10877e-15	
+094	1.05575e-14	1.19599e-14	2.23290e-14	2.26639e-14	1.24452e-14	6.95799e-15
15	8.02520e-15	1.25892e-14	1.77430e-14	2.18905e-14	2.26224e-14	2.02045e-14
1.55308e-14	8.83091e-15	5.99560e-15	3.94625e-15	2.87492e-15	2.22003e-15	
2.05215e-15	1.89172e-15	1.94412e-15	1.97543e-15	2.09079e-15	2.14769e-15	
2.36235e-15	2.43563e-15	2.70154e-15	2.83923e-15	2.91381e-15	2.98937e-15	
3.04865e-15	3.05795e-15	3.13141e-15	3.33444e-15	3.56177e-15	3.85001e-15	
4.14719e-15	4.46791e-15	4.71663e-15	4.79709e-15	4.81592e-15	4.90089e-15	
4.99315e-15	5.07205e-15	5.16059e-15	5.10749e-15	4.83409e-15	5.11211e-15	
+100	1.05586e-14	1.34387e-14	2.66309e-14	2.36573e-14	1.26019e-14	7.74017e-15
15	9.54088e-15	1.38329e-14	1.87294e-14	2.32803e-14	2.41371e-14	2.04630e-14
1.39099e-14	8.52374e-15	5.36027e-15	4.00012e-15	3.19671e-15	2.56396e-15	
2.35095e-15	2.13976e-15	2.11903e-15	2.15008e-15	2.19369e-15	2.31595e-15	
2.43287e-15	2.55077e-15	2.65843e-15	2.83836e-15	2.87686e-15	3.14759e-15	
3.27504e-15	3.34513e-15	3.47431e-15	3.70154e-15	3.93398e-15	4.17013e-15	
4.40994e-15	4.64010e-15	4.83574e-15	4.85007e-15	4.77830e-15	4.83074e-15	
4.90863e-15	5.04320e-15	5.17142e-15	5.07026e-15	4.94334e-15	5.11283e-15	
+105	1.05585e-14	1.55734e-14	3.12810e-14	2.43374e-14	1.35168e-14	9.28233e-15
15	1.07258e-14	1.47462e-14	1.99259e-14	2.53836e-14	2.65723e-14	2.08126e-14
1.28374e-14	8.73578e-15	6.25764e-15	4.54701e-15	3.42126e-15	2.75806e-15	
2.50813e-15	2.25655e-15	2.23271e-15	2.21548e-15	2.24579e-15	2.42509e-15	
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4.55992e-15	4.77449e-15	4.92794e-15	4.96012e-15	4.82258e-15	4.84799e-15	
4.93287e-15	5.07226e-15	5.18813e-15	5.11516e-15	4.96440e-15	5.11338e-15	
+111	1.05591e-14	1.71947e-14	3.35490e-14	2.51039e-14	1.43522e-14	1.07286e-15
14	1.19070e-14	1.57853e-14	2.17817e-14	2.79588e-14	2.97086e-14	2.07790e-14
1.40017e-14	1.03694e-14	7.07064e-15	4.96381e-15	3.55100e-15	2.84898e-15	
2.40921e-15	2.25674e-15	2.21049e-15	2.25503e-15	2.36171e-15	2.43343e-15	
2.51119e-15	2.67529e-15	2.96543e-15	3.15450e-15	3.41287e-15	3.68491e-15	
3.84292e-15	3.90318e-15	3.90180e-15	4.00866e-15	4.17849e-15	4.37847e-15	
4.62065e-15	4.82845e-15	4.99731e-15	5.04407e-15	4.91372e-15	4.93137e-15	
4.94115e-15	5.08254e-15	5.23761e-15	5.12617e-15	5.03001e-15	5.11442e-15	
+117	1.05599e-14	1.88765e-14	3.55656e-14	2.56948e-14	1.58923e-14	1.24899e-15
14	1.35767e-14	1.71289e-14	2.41295e-14	3.15009e-14	3.19704e-14	2.18038e-14
1.59675e-14	1.14140e-14	7.69234e-15	5.32373e-15	3.61917e-15	2.71784e-15	
2.31602e-15	2.14185e-15	2.16696e-15	2.19591e-15	2.29309e-15	2.55104e-15	
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4.00142e-15	4.05487e-15	4.01950e-15	4.10552e-15	4.21719e-15	4.44963e-15	
4.63489e-15	4.85580e-15	5.08880e-15	5.06232e-15	5.04353e-15	5.02950e-15	
5.00330e-15	5.12359e-15	5.28714e-15	5.21656e-15	4.96873e-15	5.11474e-15	
+122	1.05622e-14	2.14562e-14	3.65304e-14	2.60286e-14	1.77060e-14	1.44826e-15
14	1.56261e-14	1.96896e-14	2.74355e-14	3.55800e-14	3.40749e-14	2.19593e-14
1.55381e-14	1.14265e-14	8.46357e-15	5.68496e-15	3.84825e-15	2.69879e-15	
2.25772e-15	2.05847e-15	2.12462e-15	2.26731e-15	2.55251e-15	2.74891e-15	
2.99026e-15	3.16362e-15	3.44808e-15	3.65894e-15	3.85659e-15	3.99083e-15	
4.11708e-15	4.12676e-15	4.09119e-15	4.14839e-15	4.30874e-15	4.49641e-15	
4.65895e-15	4.82179e-15	5.04392e-15	5.07842e-15	5.09105e-15	5.10067e-15	
5.07437e-15	5.19454e-15	5.36026e-15	5.29245e-15	5.14136e-15	5.11449e-15	
+128	1.05588e-14	2.26611e-14	3.99280e-14	2.70115e-14	2.01727e-14	1.74011e-15
14	1.84694e-14	2.23849e-14	3.10377e-14	3.80614e-14	3.53567e-14	2.15515e-14
1.63042e-14	1.33656e-14	9.31008e-15	6.78469e-15	4.48078e-15	3.30213e-15	
2.34788e-15	2.19028e-15	2.03203e-15	2.14360e-15	2.36385e-15	2.63673e-15	
2.91009e-15	3.13079e-15	3.46506e-15	3.63615e-15	3.87280e-15	3.99046e-15	
4.04910e-15	4.10986e-15	4.14359e-15	4.20892e-15	4.36582e-15	4.51589e-15	
4.67620e-15	4.84191e-15	5.01717e-15	5.10991e-15	5.18680e-15	5.20197e-15	
5.19103e-15	5.24427e-15	5.34881e-15	5.35396e-15	5.25331e-15	5.11531e-15	
+134	1.05537e-14	2.32395e-14	3.92548e-14	2.87075e-14	2.20441e-14	1.97721e-15
14	2.10167e-14	2.60851e-14	3.52630e-14	3.87743e-14	2.91856e-14	2.16906e-14
1.67887e-14	1.35845e-14	1.07226e-14	8.14951e-15	5.46489e-15	3.83965e-15	
2.80504e-15	2.25708e-15	1.98037e-15	1.90695e-15	2.10258e-15	2.25695e-15	
2.50786e-15	2.75780e-15	3.01357e-15	3.21371e-15	3.39808e-15	3.52957e-15	
3.67120e-15	3.92265e-15	4.09522e-15	4.23054e-15	4.35707e-15	4.50782e-15	
4.70576e-15	4.88085e-15	5.07608e-15	5.18941e-15	5.30042e-15	5.31211e-15	
5.35417e-15	5.33332e-15	5.40054e-15	5.43811e-15	5.32211e-15	5.11558e-15	
+140	1.05518e-14	2.37700e-14	3.97861e-14	3.02958e-14	2.52788e-14	2.31663e-15
14	2.46404e-14	2.97226e-14	3.78264e-14	3.71255e-14	2.56880e-14	2.08410e-14

1.86767e-14	1.49809e-14	1.22895e-14	9.79531e-15	6.79673e-15	4.67542e-15	
3.44587e-15	2.67077e-15	2.34233e-15	2.14873e-15	1.99418e-15	1.89585e-15	
2.03557e-15	2.20532e-15	2.41860e-15	2.62383e-15	2.75393e-15	2.99116e-15	
3.18143e-15	3.45841e-15	3.71663e-15	4.09143e-15	4.36223e-15	4.55272e-15	
4.47210e-15	5.00258e-15	5.16241e-15	5.32766e-15	5.37305e-15	5.42504e-15	
5.51682e-15	5.46252e-15	5.48581e-15	5.49185e-15	5.34628e-15	5.11834e-15	
+145	1.05544e-14	2.36748e-14	3.93321e-14	3.17054e-14	2.68178e-14	2.51144e-14
14	2.66180e-14	3.21856e-14	3.74366e-14	3.19353e-14	2.55836e-14	2.38187e-14
1.98380e-14	1.69202e-14	1.29077e-14	1.00504e-14	7.51734e-15	5.53137e-15	
4.33019e-15	3.35262e-15	2.87332e-15	2.36934e-15	2.35147e-15	2.12269e-15	
2.07049e-15	2.16457e-15	2.26879e-15	2.36217e-15	2.50651e-15	2.50499e-15	
3.23166e-15	3.04184e-15	3.54369e-15	4.02606e-15	4.28545e-15	4.59079e-15	
4.92964e-15	5.21832e-15	5.47634e-15	5.57669e-15	5.56401e-15	5.55425e-15	
5.65178e-15	5.59457e-15	5.61533e-15	5.57091e-15	5.41241e-15	5.11605e-15	
+151	1.05584e-14	2.40992e-14	4.22935e-14	3.49413e-14	2.97715e-14	2.84949e-14
14	2.91614e-14	3.16795e-14	3.42130e-14	3.01496e-14	2.72086e-14	2.44551e-14
2.20578e-14	1.90283e-14	1.45586e-14	1.10219e-14	8.29537e-15	6.00766e-15	
4.59328e-15	3.84935e-15	3.24582e-15	3.09070e-15	2.83294e-15	2.72599e-15	
2.66626e-15	2.61683e-15	2.62213e-15	2.67013e-15	2.64472e-15	2.78355e-15	
2.98046e-15	3.13549e-15	3.75174e-15	3.97716e-15	4.37381e-15	4.73400e-15	
5.13641e-15	5.47956e-15	5.78479e-15	5.92787e-15	5.86178e-15	5.76020e-15	
5.74724e-15	5.69565e-15	5.72461e-15	5.69419e-15	5.50566e-15	5.11605e-15	
+157	1.05595e-14	2.33307e-14	4.00629e-14	3.53035e-14	3.07123e-14	2.88095e-14
14	2.82540e-14	2.99198e-14	2.85138e-14	2.82796e-14	3.08953e-14	2.72567e-14
2.39195e-14	2.05592e-14	1.53012e-14	1.10496e-14	8.45187e-15	6.51469e-15	
5.40656e-15	4.43864e-15	3.88957e-15	3.66440e-15	3.52652e-15	3.36564e-15	
3.30510e-15	3.24091e-15	3.21303e-15	3.23350e-15	3.35198e-15	3.46254e-15	
3.58537e-15	3.73756e-15	4.01449e-15	4.31200e-15	4.62158e-15	5.00966e-15	
5.45460e-15	5.79246e-15	6.11660e-15	6.16560e-15	6.07212e-15	5.85648e-15	
5.89380e-15	5.81041e-15	5.79359e-15	5.81375e-15	5.57382e-15	5.11669e-15	
+162	1.05582e-14	2.33475e-14	3.81275e-14	3.50225e-14	3.24242e-14	2.99385e-14
14	2.74067e-14	2.76431e-14	2.78114e-14	2.96730e-14	3.16487e-14	2.96588e-14
2.59428e-14	2.23255e-14	1.65788e-14	1.19944e-14	8.70572e-15	6.85905e-15	
5.47021e-15	4.99781e-15	4.38540e-15	4.19301e-15	4.04248e-15	3.93303e-15	
3.89921e-15	3.87649e-15	3.81622e-15	3.88923e-15	4.00356e-15	4.14660e-15	
4.34118e-15	4.51885e-15	4.70967e-15	5.00325e-15	5.12843e-15	5.49844e-15	
5.76642e-15	6.10896e-15	6.32223e-15	6.38209e-15	6.19870e-15	5.98078e-15	
5.94110e-15	5.92004e-15	5.93747e-15	5.89812e-15	5.43491e-15	5.11587e-15	
+168	1.05434e-14	2.20229e-14	3.68442e-14	3.39702e-14	3.07831e-14	2.68457e-14
14	2.32870e-14	2.18804e-14	2.63278e-14	3.02310e-14	3.27069e-14	3.17219e-14
2.88820e-14	2.30813e-14	1.78079e-14	1.25743e-14	9.32694e-15	6.99194e-15	
6.14080e-15	5.48739e-15	4.89754e-15	4.58776e-15	4.49142e-15	4.33779e-15	
4.33828e-15	4.31434e-15	4.30968e-15	4.40636e-15	4.58950e-15	4.82165e-15	
5.08414e-15	5.35278e-15	5.55008e-15	5.74805e-15	5.87197e-15	6.06552e-15	
6.17299e-15	6.37116e-15	6.55936e-15	6.53148e-15	6.30919e-15	6.18714e-15	
5.97840e-15	6.09078e-15	6.07306e-15	6.00842e-15	5.64743e-15	5.11695e-15	
+174	1.05452e-14	2.23462e-14	3.78483e-14	3.36945e-14	2.94527e-14	2.49338e-14
14	1.79004e-14	2.18918e-14	2.67041e-14	3.02866e-14	3.62357e-14	3.57543e-14
3.00421e-14	2.33873e-14	1.77879e-14	1.33361e-14	1.00138e-14	7.93760e-15	
6.80171e-15	5.90221e-15	5.19548e-15	5.46732e-15	4.49044e-15	4.52575e-15	
4.56214e-15	4.63814e-15	4.68837e-15	4.84378e-15	5.10282e-15	5.39688e-15	
5.65470e-15	5.95222e-15	6.11764e-15	6.29662e-15	6.32149e-15	6.42192e-15	
6.49531e-15	6.58514e-15	6.64857e-15	6.59470e-15	6.39497e-15	6.17403e-15	
6.10620e-15	6.19594e-15	6.24426e-15	6.03178e-15	5.38426e-15	5.11851e-15	
+180	1.05574e-14	2.16160e-14	3.70469e-14	3.14404e-14	2.55717e-14	2.00073e-14
14	1.71024e-14	2.25739e-14	2.88215e-14	3.57166e-14	3.89196e-14	3.80336e-14
3.13424e-14	2.43825e-14	1.77929e-14	1.38357e-14	1.04935e-14	8.39859e-15	
7.06910e-15	6.11434e-15	5.36390e-15	5.22566e-15	4.91045e-15	4.74212e-15	
4.80762e-15	4.96470e-15	5.08889e-15	5.44839e-15	5.61444e-15	5.81669e-15	
6.09676e-15	6.34265e-15	6.41458e-15	6.45470e-15	6.45544e-15	6.53754e-15	
6.56309e-15	6.67731e-15	6.70285e-15	6.65867e-15	6.41440e-15	6.34090e-15	
6.25709e-15	6.27997e-15	6.29477e-15	6.08899e-15	5.75429e-15	5.11997e-15	