- **Supplementary File**

Table S1 RTC silicon PV cell dataset and current results

RTC silicon photovoltaic cell					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
-0.2057	0.764	0.76408770	0.76384111	8.770351E-05	1.588893E-04
-0.1291	0.762	0.76266309	0.76253256	6.630858E-04	5.325621E-04
-0.0588	0.7605	0.76135531	0.76132894	8.553068E-04	8.289446E-04
0.0057	0.7605	0.76015399	0.76021849	3.460094E-04	2.815089E-04
0.0646	0.76	0.75905521	0.75919394	9.447916E-04	8.060599E-04
0.1185	0.759	0.75804234	0.75823434	9.576553E-04	7.656632E-04
0.1678	0.757	0.75709165	0.75730987	9.165342E-05	3.098661E-04
0.2132	0.757	0.75614136	0.75635211	8.586357E-04	6.478922E-04
0.2545	0.7555	0.75508687	0.75525196	4.131278E-04	2.480407E-04
0.2924	0.754	0.75366388	0.75374587	3.361223E-04	2.541321E-04
0.3269	0.7505	0.75139097	0.75136390	8.909660E-04	8.639028E-04
0.3585	0.7465	0.74735385	0.74721297	8.538509E-04	7.129692E-04
0.3873	0.7385	0.74011722	0.73988986	1.617221E-03	1.389856E-03
0.4137	0.728	0.72738222	0.72712570	6.177758E-04	8.743012E-04
0.4373	0.7065	0.70697265	0.70676198	4.726500E-04	2.619782E-04
0.4590	0.6755	0.67528015	0.67517807	2.198509E-04	3.219347E-04
0.4784	0.632	0.63075827	0.63078555	1.241731E-03	1.214451E-03
0.4960	0.573	0.57192835	0.57205890	1.071648E-03	9.411016E-04
0.5119	0.499	0.49960701	0.49978064	6.070099E-04	7.806430E-04
0.5265	0.413	0.41364878	0.41378720	6.487801E-04	7.871982E-04
0.5398	0.3165	0.31751009	0.31755980	1.010094E-03	1.059796E-03
0.5521	0.212	0.21215492	0.21209162	1.549189E-04	9.161511E-05
0.5633	0.1035	0.10225129	0.10210130	1.248713E-03	1.398697E-03
0.5736	-0.01	-0.0087175	-0.0088434	1.282429E-03	1.156604E-03
0.5833	-0.123	-0.1255074	-0.1255580	2.507446E-03	2.557557E-03
0.5900	-0.21	-0.2084723	-0.2083157	1.527637E-03	1.694217E-03

Table S2 Amorphous silicon photovoltaic cell dataset and current results

Amorphous silicon photovoltaic cell (aSi)					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
-0.0100	0.0112831	0.0113639171	0.0113391777	8.081705E-05	5.607768E-05
0.0085	0.0112656	0.0113284369	0.0113075889	6.283695E-05	4.198888E-05
0.0270	0.0112425	0.0112929294	0.0112758818	5.042936E-05	3.338185E-05
0.0454	0.0112236	0.0112573662	0.0112440100	3.376623E-05	2.041000E-05
0.0639	0.0112024	0.0112217462	0.0112119631	1.934624E-05	9.563057E-06
0.0824	0.0111931	0.0111860655	0.0111797089	7.034478E-06	1.339111E-05
0.1009	0.0111547	0.0111502880	0.0111472328	4.411999E-06	7.467204E-06
0.1194	0.0111104	0.0111144026	0.0111144847	4.002578E-06	4.084662E-06
0.1378	0.011099	0.0110783933	0.0110813934	2.060666E-05	1.760657E-05
0.1563	0.0110782	0.0110422090	0.0110479257	3.599101E-05	3.027434E-05
0.1748	0.0110397	0.0110058199	0.0110140360	3.388010E-05	2.566403E-05
0.1933	0.011007	0.0109691873	0.0109796393	3.781271E-05	2.736072E-05
0.2118	0.0109816	0.0109322109	0.0109446101	4.938910E-05	3.698989E-05
0.2302	0.0109413	0.0108949269	0.0109089740	4.637315E-05	3.232603E-05
0.2487	0.0108962	0.0108570604	0.0108724271	3.913959E-05	2.377291E-05
0.2672	0.010861	0.0108187021	0.0108350109	4.229793E-05	2.598910E-05
0.2857	0.0108375	0.0107795021	0.0107963507	5.799794E-05	4.114931E-05
0.3042	0.0107773	0.0107393875	0.0107563969	3.791255E-05	2.090312E-05
0.3226	0.0107235	0.0106982535	0.0107149787	2.524652E-05	8.521345E-06
0.3411	0.0106896	0.0106556080	0.0106715665	3.399203E-05	1.803353E-05
0.3596	0.0106237	0.0106113493	0.0106261127	1.235069E-05	2.412714E-06
0.3781	0.0105959	0.0105648250	0.0105778662	3.107501E-05	1.803384E-05
0.3965	0.0105226	0.0105157775	0.0105266953	6.822504E-06	4.095337E-06
0.4150	0.0104671	0.0104633086	0.0104716255	3.791412E-06	4.525526E-06
0.4335	0.0104073	0.0104067627	0.0104120743	5.373340E-07	4.774264E-06
0.4520	0.0103272	0.0103453423	0.0103473418	1.814234E-05	2.014184E-05
0.4705	0.0102575	0.0102775145	0.0102759053	2.001452E-05	1.840527E-05
0.4889	0.0101725	0.0102021654	0.0101968290	2.966538E-05	2.432899E-05
0.5074	0.0100598	0.0101170471	0.0101080223	5.724713E-05	4.822229E-05
0.5259	0.009967	0.0100203510	0.0100077509	5.335095E-05	4.075094E-05
0.5444	0.0098534	0.0099087337	0.0098929542	5.533372E-05	3.955418E-05
0.5629	0.0097021	0.0097789425	0.0097606920	7.684253E-05	5.859198E-05
0.5813	0.0095669	0.0096270924	0.0096071247	6.019242E-05	4.022472E-05
0.5998	0.0093838	0.0094470103	0.0094265659	6.321029E-05	4.276587E-05
0.6183	0.0092011	0.0092330702	0.0092133535	3.197018E-05	1.225345E-05
0.6368	0.0089748	0.0089759131	0.0089584698	1.113109E-06	1.633020E-05
0.6552	0.0086853	0.0086668151	0.0086533463	1.848495E-05	3.195371E-05
0.6737	0.0083376	0.0082915344	0.0082835041	4.606561E-05	5.409586E-05
0.6922	0.007911	0.0078365991	0.0078351189	7.440093E-05	7.588114E-05
0.7107	0.0073725	0.0072802844	0.0072859473	9.221555E-05	8.655274E-05
0.7292	0.006665	0.0065998101	0.0066128185	6.518985E-05	5.218152E-05

0.7476	0.005787	0.0057680779	0.0057869336	1.892213E-05	6.642791E-08
0.7661	0.0047014	0.0047440293	0.0047654698	4.262928E-05	6.406984E-05
0.7846	0.0034034	0.0034881147	0.0035057172	8.471469E-05	1.023172E-04
0.8031	0.0018769	0.0019375107	0.0019403106	6.061068E-05	6.341061E-05
0.8215	9.58E-05	0.0000315023	0.0000039928	6.429506E-05	9.180456E-05

Table S3 Monocrystalline Silicon photovoltaic cell dataset and current results

Monocrystalline Silicon photovoltaic(mSi)					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
0.000000	0.424810	0.425360189	0.425066156757162	5.511890E-04	2.571568E-04
0.011822	0.424800	0.425240608	0.425005375864018	4.446085E-04	2.093759E-04
0.020097	0.424790	0.425156836	0.424962583097881	3.718365E-04	1.775831E-04
0.053199	0.424750	0.424820825	0.424788474822481	7.582465E-05	4.347482E-05
0.098122	0.424650	0.424360181	0.424538758550462	2.888188E-04	1.102414E-04
0.111718	0.424643	0.424218662	0.424457772829913	4.243382E-04	1.852272E-04
0.140090	0.424480	0.423917528	0.424274968518578	5.624716E-04	2.050315E-04
0.209840	0.423716	0.423088854	0.423650714008244	6.271459E-04	6.528599E-05
0.265994	0.422752	0.422107621	0.422641827478019	6.443792E-04	1.101725E-04
0.300869	0.421397	0.421054095	0.421410934283852	3.429049E-04	1.393428E-05
0.322739	0.420192	0.420004431	0.420166429621401	1.875688E-04	2.557038E-05
0.350521	0.417588	0.417861366	0.417683162378878	2.733658E-04	9.516238E-05
0.396036	0.409474	0.410247686	0.409425793316718	7.736857E-04	4.820668E-05
0.413769	0.403773	0.404660486	0.403673062958655	8.874857E-04	9.993704E-05
0.453963	0.380558	0.381070141	0.380309156771540	5.121406E-04	2.488432E-04
0.481745	0.350061	0.349893651	0.349864427773348	1.673488E-04	1.965722E-04
0.493567	0.331100	0.331311352	0.331653811977029	2.123516E-04	5.548120E-04
0.495340	0.328027	0.328179879	0.328568440618963	1.528794E-04	5.414406E-04
0.517211	0.282367	0.281583660	0.282233995114806	7.833403E-04	1.330049E-04
0.531988	0.242210	0.241051899	0.241439397619095	1.158101E-03	7.706024E-04
0.536717	0.227086	0.226668074	0.226984084753607	4.179262E-04	1.019152E-04
0.539081	0.219305	0.219145670	0.219405748083926	1.593299E-04	1.007481E-04
0.559179	0.145960	0.146389473	0.145897579766234	4.294728E-04	6.242023E-05
0.563907	0.126391	0.127195319	0.126631791772784	8.043186E-04	2.407918E-04
0.573956	0.082714	0.083303326	0.082683431296480	5.893259E-04	3.056870E-05
0.579276	0.057940	0.058726170	0.058376156129591	7.861697E-04	4.361561E-04
0.582231	0.044104	0.044369067	0.044126772005711	2.650667E-04	2.277201E-05
0.588734	0.012269	0.011927990	0.012331822575232	3.410103E-04	6.282258E-05
0.591211	0.000000	-0.00102505	-0.00036263393324	1.025051E-03	3.626339E-04

Table S4 PVM 752 GaAs thin-film photovoltaic panel dataset and current results

PVM 752 GaAs thin-film photovoltaic panel					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
-0.16590	0.100100	0.1002309402	0.1001004060	1.30940E-04	4.06041E-07
-0.12810	0.100000	0.1001688788	0.1000620820	1.68879E-04	6.20820E-05
-0.08880	0.099900	0.1001043503	0.1000220525	2.04350E-04	1.22053E-04
-0.04900	0.099900	0.1000388909	0.0999811977	1.38891E-04	8.11977E-05
-0.01020	0.099900	0.0999750761	0.0999410585	7.50761E-05	4.10585E-05
0.027500	0.099800	0.0999131792	0.0999017469	1.13179E-04	1.01747E-04
0.069500	0.099900	0.0998439926	0.0998572237	5.60074E-05	4.27763E-05
0.106100	0.099800	0.0997839048	0.0998179161	1.60952E-05	1.79161E-05
0.146000	0.099800	0.0997182805	0.0997740950	8.17195E-05	2.59050E-05
0.182800	0.099700	0.0996578629	0.0997326939	4.21371E-05	3.26939E-05
0.223000	0.099700	0.0995917431	0.0996858723	1.08257E-04	1.41277E-05
0.260000	0.099600	0.0995309917	0.0996410581	6.90083E-05	4.10581E-05
0.300100	0.099700	0.0994649144	0.0995897725	2.35086E-04	1.10228E-04
0.340600	0.099600	0.0993983703	0.0995346543	2.01630E-04	6.53457E-05
0.378900	0.099500	0.0993353846	0.0994783100	1.64615E-04	2.16900E-05
0.416800	0.099400	0.0992729066	0.0994172652	1.27093E-04	1.72652E-05
0.458300	0.099400	0.0992039270	0.0993422857	1.96073E-04	5.77143E-05
0.494900	0.099300	0.0991422224	0.0992669770	1.57778E-04	3.30230E-05
0.537000	0.099300	0.0990681260	0.0991650275	2.31874E-04	1.34973E-04
0.575300	0.099200	0.0989937263	0.0990516619	2.06274E-04	1.48338E-04
0.612300	0.099000	0.0989057177	0.0989120553	9.42823E-05	8.79447E-05
0.654600	0.098800	0.0987544395	0.0986850637	4.55605E-05	1.14936E-04
0.691800	0.098300	0.0985100518	0.0983648696	2.10052E-04	6.48696E-05
0.731800	0.097700	0.0979466135	0.0977258036	2.46614E-04	2.58036E-05
0.770200	0.096300	0.0966964460	0.0964400893	3.96446E-04	1.40089E-04
0.805300	0.093700	0.0941729861	0.0939502045	4.72986E-04	2.50205E-04
0.832900	0.090000	0.0904096459	0.0902677454	4.09646E-04	2.67745E-04
0.855000	0.085500	0.0855846649	0.0855288293	8.46649E-05	2.88293E-05
0.873800	0.079900	0.0798632640	0.0798763972	3.67360E-05	2.36028E-05
0.8887	0.0743	0.0740588197	0.0741099718	2.41180E-04	1.90028E-04
0.9016	0.0683	0.0681668926	0.0682360240	1.33107E-04	6.39760E-05
0.9141	0.0618	0.0615205445	0.0615867988	2.79456E-04	2.13201E-04
0.9248	0.0555	0.0552015728	0.0552536041	2.98427E-04	2.46396E-04
0.9344	0.0493	0.0490545485	0.0490870710	2.45452E-04	2.12929E-04
0.9445	0.0422	0.0421655328	0.0421764654	3.44672E-05	2.35346E-05
0.9533	0.0357	0.0357014516	0.0356895571	1.45164E-06	1.04429E-05
0.9618	0.0291	0.0291116994	0.0290795641	1.16994E-05	2.04359E-05
0.9702	0.0222	0.0223802516	0.0223387596	1.80252E-04	1.38760E-04
0.9778	0.0157	0.0160675700	0.0160271268	3.67570E-04	3.27127E-04
0.9852	0.0092	0.0096609922	0.0096288538	4.60992E-04	4.28854E-04
0.9926	0.0026	0.0029091641	0.0028889505	3.09164E-04	2.88951E-04

0.9999	-0.004	-0.004107945	-0.004112360	1.07946E-04	1.12361E-04
1.0046	-0.0085	-0.008468401	-0.008438666	3.15985E-05	6.13332E-05
1.0089	-0.0124	-0.013004127	-0.012966136	6.04127E-04	5.66136E-04

Table S5 STM4-60 monocrystalline panels dataset and current results

STM4-60 monocrystalline panels					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- SDM
0.0000	1.6630	1.663458258	1.663168238	4.58258E-04	1.68238E-04
0.1180	1.6630	1.663252310	1.662975734	2.52310E-04	2.42662E-05
2.2370	1.6610	1.659550809	1.659514170	1.44919E-03	1.48583E-03
5.4340	1.6530	1.653914700	1.654219380	9.14700E-04	1.21938E-03
7.2600	1.6500	1.650565915	1.651025720	5.65915E-04	1.02572E-03
9.6800	1.6450	1.645430606	1.645959056	4.30606E-04	9.59056E-04
11.5900	1.6400	1.639233538	1.639572298	7.66462E-04	4.27702E-04
12.6000	1.6360	1.633712697	1.633817512	2.28730E-03	2.18249E-03
13.3700	1.6290	1.627285809	1.627157419	1.71419E-03	1.84258E-03
14.0900	1.6190	1.618313576	1.617953244	6.86424E-04	1.04676E-03
14.8800	1.5970	1.603090045	1.602552090	6.09005E-03	5.55209E-03
15.5900	1.5810	1.581588376	1.580982394	5.88376E-04	1.76055E-05
16.4000	1.5420	1.542330590	1.541974810	3.30590E-04	2.51900E-05
16.7100	1.5240	1.521192633	1.520997568	2.80737E-03	3.00243E-03
16.9800	1.5000	1.499194743	1.499244332	8.05257E-04	7.55668E-04
17.1300	1.4850	1.485275269	1.485478185	2.75269E-04	4.78185E-04
17.3200	1.4650	1.465654241	1.466044860	6.54241E-04	1.04486E-03
17.9100	1.3880	1.387589367	1.388450477	4.10633E-04	4.50477E-04
19.0800	1.1180	1.118391374	1.117923797	3.91374E-04	7.62030E-05
21.0200	0.0000	-0.00002482	0.000000705	2.48229E-05	7.05421E-07

Table S6 Multi Junction Solar Cell 41.5 °C dataset and current results

Multi Junction Solar Cell 41.5 °C (MJSC)					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
0.074713	0.012346	0.01207366	0.01207068	0.00000866	0.00000568
0.226589	0.012326	0.01207128	0.01206912	0.00001028	0.00000812
0.378465	0.012335	0.01206890	0.01206756	0.00000210	0.00000344
0.530341	0.012321	0.01206652	0.01206600	0.00000252	0.00000200
0.682217	0.012348	0.01206414	0.01206444	0.00000114	0.00000144
0.834093	0.012325	0.01206176	0.01206288	0.00000224	0.00000112
0.985969	0.012254	0.01205938	0.01206131	0.00000262	0.00000069
1.13784	0.012351	0.01205700	0.01205975	0.00000500	0.00000225
1.28972	0.012346	0.01205461	0.01205819	0.00000939	0.00000581
1.4416	0.012341	0.01205223	0.01205661	0.00000277	0.00000161
1.59347	0.012337	0.01204985	0.01205500	0.00001215	0.00000700
1.74535	0.012338	0.01204747	0.01205322	0.00000853	0.00000278
1.89722	0.012332	0.01204509	0.01205072	0.00001291	0.00000728
2.0491	0.012327	0.01204258	0.01204511	0.00001442	0.00001189
2.20098	0.01227	0.01202867	0.01201781	0.00002567	0.00001481
2.28549	0.012084	0.01180550	0.01178599	0.00001750	0.00000201
2.34887	0.011155	0.01096053	0.01095548	0.00007953	0.00007448
2.37416	0.010225	0.00998608	0.00998981	0.00001208	0.00001581
2.38876	0.009295	0.00905352	0.00905974	0.00001448	0.00000826
2.40062	0.008366	0.00806070	0.00806523	0.00010030	0.00009577
2.40978	0.007436	0.00724093	0.00724435	0.00001307	0.00000965
2.41732	0.006507	0.00629035	0.00629004	0.00005665	0.00005696
2.42415	0.005577	0.00534050	0.00533637	0.00010050	0.00010463
2.43014	0.004648	0.00448785	0.00448267	0.00004615	0.00005133
2.43534	0.003718	0.00369625	0.00369267	0.00006925	0.00006567
2.44017	0.002789	0.00285338	0.00285176	0.00013338	0.00013176
2.44484	0.001859	0.00202328	0.00202562	0.00020928	0.00021162
2.44943	0.00093	0.00100186	0.00100535	0.00009486	0.00009835
2.45494	0	-0.00026088	-0.00026049	0.00026088	0.00026049

Table S7 Multi Junction Solar Cell 51.3 °C dataset and current results

Multi Junction Solar Cell 51.3 °C (MJSC)					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
0.076804	0.012065	0.01233691	0.01233982	0.00000909	0.00000618
0.232931	0.012061	0.01233540	0.01233830	0.00000940	0.00001230
0.389058	0.012071	0.01233388	0.01233678	0.00000112	0.00000178
0.545185	0.012064	0.01233236	0.01233526	0.00001136	0.00001426
0.701312	0.012063	0.01233084	0.01233374	0.00001716	0.00001426
0.857439	0.012064	0.01232932	0.01233222	0.00000432	0.00000722
1.01357	0.012062	0.01232780	0.01233071	0.00007380	0.00007671
1.16969	0.012062	0.01232628	0.01232918	0.00002472	0.00002182
1.32582	0.012064	0.01232476	0.01232766	0.00002124	0.00001834
1.48195	0.012055	0.01232325	0.01232612	0.00001775	0.00001488
1.63807	0.012062	0.01232173	0.01232453	0.00001527	0.00001247
1.7942	0.012056	0.01232021	0.01232272	0.00001779	0.00001528
1.95033	0.012058	0.01231868	0.01232006	0.00001332	0.00001194
2.10645	0.012057	0.01231685	0.01231391	0.00001015	0.00001309
2.26258	0.012003	0.01229536	0.01227912	0.00001836	0.00000212
2.36708	0.011788	0.01211331	0.01209225	0.00002931	0.00000825
2.42172	0.010881	0.01122197	0.01121705	0.00006697	0.00006205
2.44554	0.009974	0.01021758	0.01022171	0.00000742	0.00000329
2.45999	0.009068	0.00930711	0.00931395	0.00001211	0.00001895
2.4714	0.008161	0.00831152	0.00831693	0.00005448	0.00004907
2.47934	0.007254	0.00736451	0.00736707	0.00007149	0.00006893
2.48705	0.006347	0.00645758	0.00645735	0.00004942	0.00004965
2.49379	0.005441	0.00551756	0.00551409	0.00005944	0.00006291
2.49938	0.004534	0.00460487	0.00459943	0.00004313	0.00004857
2.50427	0.003627	0.00375622	0.00375156	0.00003822	0.00003356
2.50904	0.00272	0.00290909	0.00290683	0.00012009	0.00011783
2.51347	0.001814	0.00202350	0.00202453	0.00016450	0.00016553
2.51827	0.000907	0.00107859	0.00108343	0.00014859	0.00015343
2.52346	0	-0.00026406	-0.00026339	0.00026406	0.00026339

Table S8 Multi Junction Solar Cell 61.1 °C dataset and current results

Multi Junction Solar Cell *61.6* °C (MJSC)					
Voltage(V)	Current(I)	Ic[A] – SDM	Ic[A] – DDM	Absolute Error- SDM	Absolute Error- DDM
0.072573	0.012573	0.01258119	0.01258119	0.00000819	0.00000819
0.220099	0.012566	0.01257927	0.01257927	0.00001327	0.00001327
0.367624	0.01258	0.01257735	0.01257735	0.00000265	0.00000265
0.51515	0.012576	0.01257543	0.01257543	0.00000057	0.00000057
0.662675	0.012575	0.01257351	0.01257351	0.00000149	0.00000149
0.810201	0.012579	0.01257159	0.01257159	0.00000741	0.00000741
0.957726	0.012567	0.01256968	0.01256968	0.00000268	0.00000268
1.10525	0.012573	0.01256776	0.01256776	0.00000524	0.00000524
1.25278	0.012571	0.01256584	0.01256584	0.00000516	0.00000516
1.4003	0.01257	0.01256392	0.01256392	0.00000608	0.00000608
1.54783	0.012568	0.01256200	0.01256200	0.00000600	0.00000600
1.69535	0.012571	0.01256008	0.01256008	0.00001092	0.00001092
1.84288	0.012569	0.01255814	0.01255814	0.00001086	0.00001086
1.99041	0.01256	0.01255558	0.01255558	0.00000442	0.00000442
2.20812	0.012318	0.01235540	0.01235540	0.00003740	0.00003740
2.27581	0.011371	0.01142467	0.01142467	0.00005367	0.00005367
2.30121	0.010423	0.01043293	0.01043294	0.00000993	0.00000994
2.31696	0.009475	0.00946015	0.00946016	0.00001485	0.00001484
2.32888	0.008528	0.00847197	0.00847197	0.00005603	0.00005603
2.338	0.00758	0.00754940	0.00754940	0.00003060	0.00003060
2.34598	0.006633	0.00659870	0.00659870	0.00003430	0.00003430
2.35308	0.005685	0.00562923	0.00562923	0.00005577	0.00005577
2.35927	0.004738	0.00469144	0.00469144	0.00004656	0.00004656
2.36456	0.00379	0.00383513	0.00383513	0.00004513	0.00004513
2.36982	0.002843	0.00289279	0.00289279	0.00004979	0.00004979
2.37431	0.001895	0.00206292	0.00206292	0.00016792	0.00016792
2.37901	0.000948	0.00109843	0.00109843	0.00015043	0.00015043
2.38457	0	-0.00023952	-0.00023951	0.00023952	0.00023951