
Subject: Re: IDL's Table Widget

Posted by [DMottershead](#) on Mon, 24 May 1999 07:00:00 GMT

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David Mottershead wrote:

>
> Phil,
>
> I have attached a program I wrote a while ago using a table widget. I
> have also attached a data file. There is one idiosynchrosy??? with using
> the program. The
> first time round it doesn't like the file and returns a message "file is
> not an ASCII file". When reading in the file make sure you ignore the
> first 87 or so lines of header. If you then exit out of the program,
> compile and run again, it should (fingers crossed work). Having said
> that, it's not the reading of the data file which is important, it's the
> use of the table widget. Have a look at the help to see how things
> should work.
>
> Regards
>
> David Mottershead
>
> Manly Hydraulics Laboratory
>
> phil_aldis@my-dejanews.com wrote:
>>
>> I'm having problems with IDL's table widget. I was wondering if anyone
>> has a good tutorial on how to use it. Specifically, I'm having problems
>> when I use widget_control to set the table's value - it does not seem to
>> be updating. Do I have to delete and insert rows all the time?
>>
>> Cheers
>>
>> Phil
>>
>> P.S Please post replies to newsgroup as I need to read them at work :)
>>
>> ---= Sent via Deja.com <http://www.deja.com/> =---
>> ---Share what you know. Learn what you don't.---
>
> -----
> Name: Ctdplt11.pro
> Ctdplt11.pro Type: IDL source file (application/x-unknown-content-type-IDLprogramFile)
> Encoding: base64
>
> -----
> * Sea-Bird SBE 25 Data File:

```

> * FileName = \SEA_25\be020721.HEX
> * Software Version 4.224
> * Temperature SN = 2331
> * Conductivity SN = 1884
> * System UpLoad Time = Sep 22 1997 14:41:40
> ** Ship:
> ** Cruise:
> ** Station:
> ** Latitude:
> ** Longitude:
> * ds
> * SBE 25 CTD V 4.0a SN 207 11/04/97 07:27:47.811
> * external pressure sensor, range = 100 psia, tcvl = 560
> * xtal = 9437467 clk = 32768.168 vmain = 12.5 iop = 171 vlith = 5.5
> * ncasts = 22 samples = 59869 free = 14747 lwait = 0 msec
> *
> * CTD configuration:
> * number of scans averaged = 1, data stored at 8 scans per second
> * real time data transmitted at 8 scans per second
> * minimum conductivity frequency for pump turn on = 2800
> * battery type = ALKALINE
> *
> * 4 external voltages sampled
> * stored voltage # 0 = external voltage 0
> * stored voltage # 1 = external voltage 1
> * stored voltage # 2 = external voltage 4
> * stored voltage # 3 = external voltage 6
> *
> * S>
> * cast 21 11/03 15:25:31 smpls 57764 to 59868 nv = 4 avg = 1 stp = switch off
> # nquan = 15
> # nvalues = 895
> # units = metric
> # name 0 = scan: scan number
> # name 1 = pr: pressure [db]
> # name 2 = c0mS/cm: conductivity [mS/cm]
> # name 3 = t090: temperature, ITS-90 [deg C]
> # name 4 = oxC: oxygen, current [ $i_{\frac{1}{2}A}$ ]
> # name 5 = oxT: oxygen, temperature [deg C]
> # name 6 = wetStar: WET Labs, WETStar chlorophyll concentration [ $i_{\frac{1}{2}g/l}$ ]
> # name 7 = par: irradiance (PAR)
> # name 8 = dz/dt: descent rate [m/s]
> # name 9 = oxMg/L: oxygen [mg/l]
> # name 10 = oxPS: oxygen, percent saturation
> # name 11 = depS: depth, salt water [m]
> # name 12 = sal00: salinity, PSS-78 [PSU]
> # name 13 = density00: density [kg/m^3]
> # name 14 = flag: 0.000e+00

```

```

> # span 0 = 921, 1815
> # span 1 = 0.267, 14.899
> # span 2 = 44.087837, 45.145184
> # span 3 = 21.9240, 22.2170
> # span 4 = 20.28987, 20.49535
> # span 5 = 22.02135, 22.23183
> # span 6 = 7.1511, 8.1880
> # span 7 = 1.753e-02, 2.415e+02
> # span 8 = -0.134, 0.318
> # span 9 = 6.70156, 6.77580
> # span 10 = 92.00904, 93.03027
> # span 11 = 0.266, 14.817
> # span 12 = 30.2823, 31.2920
> # span 13 = 1020.5801, 1021.4885
> # span 14 = 0.000e+00, 0.000e+00
> # interval = seconds: 0.125
> # start_time = Nov 03 1997 15:25:31
> # bad_flag = -9.990e-29
> # sensor 0 = Frequency 0 temperature, 2331, 22-Mar-97s
> # sensor 1 = Frequency 1 conductivity, 1884, 21-Mar-97s, cpcor = -9.5700e-08
> # sensor 2 = Pressure Voltage, 174984, 10-Mar-97, cpcor = -9.5700e-08
> # sensor 3 = Stored Volt 0 oxygen, current, 230462, 8 October 1997
> # sensor 4 = Stored Volt 1 oxygen, temperature, 230462, 8 October 1997
> # sensor 5 = Stored Volt 2 WET Labs, WETStar fluorometer, WS3S-192, 04 August 1997
> # sensor 6 = Stored Volt 3 irradiance (PAR), 4496, 24-Jan-97
> # datcnv_date = Nov 10 1997 13:15:20, 4.224
> # datcnv_in = BE020721.HEX 25_OX462.CON
> # datcnv_skipover = 920
> # loopedit_date = Nov 11 1997 06:20:21, 4.224
> # loopedit_in = BE020721.CNV
> # loopedit_minVelocity = 0.010
> # loopedit_excl_bad_scans = yes
> # derive_date = Nov 11 1997 06:21:34, 4.224
> # derive_in = BE020721.CNV 25_OX462.CON
> # derive_time_window_docdt = seconds: 2
> # file_type = ascii
> *END*
> 921 0.267 44.090050 22.2020 20.48251 22.22374 7.9976 1.470e+02
-9.195e-15 6.76489 92.80807 0.266 30.2861 1020.5863 -9.990e-29
> 922 0.267 44.087837 22.2025 20.48251 22.21564 8.0188 1.498e+02
1.229e-16 6.76643 92.82893 0.266 30.2841 1020.5846 -9.990e-29
> 923 0.276 44.092261 22.2064 20.45683 22.21564 7.9764 1.438e+02 0.001
6.75724 92.70981 0.274 30.2847 1020.5841 -9.990e-29
> 924 0.276 44.095948 22.2109 20.46967 22.22374 8.0822 1.525e+02 0.003
6.75930 92.74540 0.274 30.2844 1020.5826 -9.990e-29
> 925 0.285 44.096095 22.2141 20.46967 22.21564 8.0822 1.697e+02 0.005
6.76043 92.76513 0.283 30.2823 1020.5801 -9.990e-29
> 926 0.285 44.101294 22.2154 20.46967 22.21564 8.1880 1.748e+02 0.008

```

6.76011	92.76453	0.283	30.2854	1020.5821	-9.990e-29				
>	927	0.276	44.101294	22.2120	20.48251	22.21564	8.1034	1.588e+02	0.008
6.76481	92.82469	0.274	30.2878	1020.5848	-9.990e-29				
>	928	0.285	44.099819	22.2145	20.45683	22.22374	8.1034	1.571e+02	0.010
6.75445	92.68516	0.283	30.2849	1020.5820	0.000e+00				
>	929	0.304	44.103285	22.2170	20.46967	22.21564	8.0822	1.600e+02	0.014
6.75567	92.70649	0.302	30.2858	1020.5821	0.000e+00				
>	930	0.323	44.103654	22.2168	20.45683	22.21564	8.1457	1.654e+02	0.020
6.75209	92.65733	0.321	30.2862	1020.5825	0.000e+00				
>	931	0.341	44.104023	22.2151	20.45683	22.22374	8.0611	1.666e+02	0.028
6.75447	92.68796	0.339	30.2877	1020.5842	0.000e+00				
>	932	0.360	44.103138	22.2135	20.46967	22.22374	8.0822	1.654e+02	0.038
6.75833	92.73846	0.358	30.2881	1020.5850	0.000e+00				
>	933	0.369	44.106088	22.2147	20.45683	22.21564	7.9976	1.531e+02	0.047
6.75603	92.70960	0.367	30.2895	1020.5858	0.000e+00				
>	934	0.379	44.106973	22.2143	20.48251	22.21564	8.0611	1.594e+02	0.056
6.76663	92.85501	0.377	30.2905	1020.5867	-9.990e-29				
>	935	0.379	44.108079	22.2147	20.45683	22.22374	7.9764	1.867e+02	0.063
6.75696	92.72321	0.377	30.2911	1020.5870	-9.990e-29				
>	936	0.379	44.109407	22.2139	20.45683	22.22374	7.9341	2.032e+02	0.067
6.76038	92.76963	0.377	30.2926	1020.5884	-9.990e-29				
>	937	0.388	44.105719	22.2131	20.46967	22.21564	8.0399	2.017e+02	0.071
6.76675	92.85453	0.386	30.2904	1020.5870	-9.990e-29				
>	938	0.388	44.103876	22.2124	20.45683	22.21564	7.9976	1.987e+02	0.072
6.76413	92.81686	0.386	30.2894	1020.5864	-9.990e-29				
>	939	0.397	44.102216	22.2122	20.48251	22.21564	7.9129	1.958e+02	0.073
6.77126	92.91380	0.395	30.2883	1020.5857	0.000e+00				
>	940	0.416	44.100742	22.2115	20.46967	22.21564	8.0611	2.024e+02	0.075
6.76680	92.85105	0.414	30.2877	1020.5855	0.000e+00				
>	941	0.426	44.100373	22.2107	20.46967	22.21564	8.0188	2.047e+02	0.076
6.76911	92.88150	0.424	30.2879	1020.5859	0.000e+00				
>	942	0.444	44.100557	22.2115	20.48251	22.21564	7.9764	2.047e+02	0.079
6.77095	92.90787	0.442	30.2875	1020.5855	-9.990e-29				
>	943	0.444	44.103138	22.2129	20.46967	22.21564	7.9976	1.966e+02	0.078
6.76826	92.87383	0.442	30.2885	1020.5859	-9.990e-29				
>	944	0.454	44.104982	22.2133	20.48251	22.21564	7.9764	2.017e+02	0.075
6.77126	92.91639	0.452	30.2896	1020.5866	0.000e+00				
>	945	0.463	44.107711	22.2131	20.48251	22.21564	7.9764	2.123e+02	0.071
6.77105	92.91430	0.460	30.2919	1020.5884	-9.990e-29				
>	946	0.454	44.108449	22.2129	20.48251	22.21564	7.9553	2.077e+02	0.065
6.76920	92.88894	0.452	30.2926	1020.5890	-9.990e-29				
>	947	0.454	44.109407	22.2133	20.46967	22.21564	7.9764	2.123e+02	0.060
6.76148	92.78397	0.452	30.2930	1020.5892	-9.990e-29				
>	948	0.435	44.111620	22.2150	20.48251	22.21564	7.9341	2.187e+02	0.052
6.76361	92.81631	0.433	30.2936	1020.5891	-9.990e-29				
>	949	0.426	44.112136	22.2136	20.49535	22.21564	7.9341	2.397e+02	0.045
6.76771	92.87095	0.424	30.2949	1020.5904	-9.990e-29				
>	950	0.407	44.115676	22.2139	20.46967	22.21564	7.9341	2.415e+02	0.035

6.75848	92.74619	0.405	30.2974	1020.5922	-9.990e-29				
>	951	0.397	44.116783	22.2121	20.48251	22.21564	7.9129	2.345e+02	0.024
6.76379	92.81712	0.395	30.2995	1020.5942	-9.990e-29				
>	952	0.407	44.106605	22.2108	20.48251	22.21564	7.8495	2.406e+02	0.014
6.76226	92.79022	0.405	30.2926	1020.5894	-9.990e-29				
>	953	0.416	44.107711	22.2116	20.49535	22.21564	7.9341	2.362e+02	0.006
6.76591	92.84179	0.414	30.2929	1020.5894	-9.990e-29				
>	954	0.426	44.116783	22.2135	20.46967	22.21564	7.9976	2.302e+02	0.000
6.75785	92.73743	0.424	30.2986	1020.5932	-9.990e-29				
>	955	0.444	44.119512	22.2139	20.46967	22.21564	7.9553	2.203e+02	-0.004
6.75740	92.73289	0.442	30.3004	1020.5946	-9.990e-29				
>	956	0.463	44.119512	22.2141	20.45683	22.21564	7.9553	2.187e+02	-0.005
6.75009	92.63288	0.460	30.3002	1020.5945	0.000e+00				
>	957	0.472	44.119402	22.2145	20.48251	22.21564	7.9553	2.100e+02	-0.002
6.75727	92.73185	0.469	30.2999	1020.5941	0.000e+00				
>	958	0.482	44.117668	22.2137	20.48251	22.21564	7.9341	2.054e+02	0.003
6.75928	92.75769	0.479	30.2991	1020.5938	0.000e+00				
>	959	0.500	44.117558	22.2143	20.48251	22.21564	7.8918	1.973e+02	0.013
6.75704	92.72772	0.497	30.2986	1020.5933	0.000e+00				
>	960	0.519	44.118406	22.2147	20.46967	22.21564	7.8495	1.847e+02	0.025
6.74952	92.62531	0.516	30.2989	1020.5936	0.000e+00				
>	961	0.538	44.120250	22.2153	20.46967	22.21564	7.9341	1.888e+02	0.040
6.74823	92.60916	0.535	30.2999	1020.5943	0.000e+00				
>	962	0.575	44.120140	22.2147	20.48251	22.21564	7.8283	1.612e+02	0.061
6.75481	92.69862	0.572	30.3003	1020.5948	0.000e+00				
>	963	0.641	44.125046	22.2114	20.46967	22.22374	7.8918	1.366e+02	0.088
6.74900	92.61668	0.637	30.3063	1020.6006	0.000e+00				
>	964	0.706	44.136776	22.2090	20.45683	22.21564	7.8283	1.167e+02	0.122
6.74611	92.57870	0.702	30.3169	1020.6096	0.000e+00				
>	965	0.790	44.137920	22.2084	20.45683	22.20755	7.8495	1.179e+02	0.161
6.74626	92.58042	0.786	30.3182	1020.6111	0.000e+00				
>	966	0.846	44.144192	22.2080	20.46967	22.21564	7.8071	1.288e+02	0.200
6.74909	92.62140	0.841	30.3233	1020.6153	0.000e+00				
>	967	0.893	44.141204	22.2091	20.45683	22.21564	7.8283	1.298e+02	0.235
6.74548	92.57202	0.888	30.3202	1020.6129	0.000e+00				
>	968	0.902	44.137183	22.2093	20.43114	22.21564	7.8918	1.269e+02	0.260
6.73954	92.48910	0.897	30.3170	1020.6104	0.000e+00				
>	969	0.949	44.135707	22.2101	20.44398	22.21564	7.8918	1.179e+02	0.284
6.74515	92.56655	0.944	30.3153	1020.6091	0.000e+00				
>	970	0.968	44.136408	22.2083	20.45683	22.21564	7.9764	1.124e+02	0.302
6.74983	92.62871	0.963	30.3171	1020.6110	0.000e+00				
>	971	0.986	44.141979	22.2083	20.45683	22.21564	7.9976	1.154e+02	0.314
6.75170	92.65659	0.981	30.3213	1020.6144	-9.990e-29				
>	972	0.986	44.143085	22.2081	20.45683	22.21564	7.9764	1.233e+02	0.318
6.75270	92.67050	0.981	30.3223	1020.6152	-9.990e-29				
>	973	0.986	44.142680	22.2085	20.45683	22.21564	7.9764	1.307e+02	0.315
6.75249	92.66801	0.981	30.3217	1020.6146	-9.990e-29				
>	974	0.977	44.140134	22.2083	20.44398	22.21564	7.9553	1.402e+02	0.302

6.74964	92.62764	0.972	30.3199	1020.6132	-9.990e-29				
>	975	0.940	44.142716	22.2082	20.44398	22.21564	8.0611	1.481e+02	0.275
6.75105	92.64790	0.935	30.3220	1020.6147	-9.990e-29				
>	976	0.902	44.139359	22.2091	20.45683	22.20755	7.9764	1.542e+02	0.236
6.75715	92.73139	0.897	30.3188	1020.6118	-9.990e-29				
>	977	0.865	44.137552	22.2078	20.45683	22.21564	7.9976	1.672e+02	0.187
6.75462	92.69431	0.860	30.3183	1020.6117	-9.990e-29				
>	978	0.837	44.143823	22.2056	20.44398	22.21564	7.9976	1.773e+02	0.129
6.74772	92.59929	0.832	30.3247	1020.6170	-9.990e-29				
>	979	0.818	44.147881	22.2056	20.44398	22.21564	7.8706	1.780e+02	0.070
6.74657	92.58520	0.814	30.3278	1020.6193	-9.990e-29				
>	980	0.790	44.147512	22.2065	20.44398	22.21564	7.9129	1.760e+02	0.013
6.74845	92.61206	0.786	30.3269	1020.6182	-9.990e-29				
>	981	0.790	44.146405	22.2068	20.44398	22.21564	7.9764	1.754e+02	-0.035
6.75046	92.63958	0.786	30.3258	1020.6173	-9.990e-29				
>	982	0.771	44.144560	22.2071	20.45683	22.21564	7.9129	1.826e+02	-0.074
6.75407	92.68874	0.767	30.3242	1020.6159	-9.990e-29				
>	983	0.762	44.144155	22.2068	20.44398	22.21564	7.8706	1.813e+02	-0.103
6.74933	92.62306	0.758	30.3241	1020.6159	-9.990e-29				
>	984	0.771	44.144523	22.2086	20.44398	22.22374	7.8918	1.735e+02	-0.121
6.74706	92.59440	0.767	30.3231	1020.6147	-9.990e-29				
>	985	0.781	44.137182	22.2091	20.45683	22.21564	7.8283	1.703e+02	-0.133
6.75405	92.68795	0.777	30.3172	1020.6101	-9.990e-29				
>	986	0.790	44.135670	22.2111	20.43114	22.21564	7.9341	1.571e+02	-0.134
6.74646	92.58578	0.786	30.3146	1020.6076	-9.990e-29				
>	987	0.790	44.133863	22.2072	20.43114	22.21564	7.8918	1.531e+02	-0.128
6.74550	92.56683	0.786	30.3159	1020.6097	-9.990e-29				
>	988	0.818	44.147512	22.2064	20.45683	22.21564	7.8495	1.465e+02	-0.110
6.75378	92.68509	0.814	30.3269	1020.6184	-9.990e-29				
>	989	0.827	44.143048	22.2079	20.45683	22.21564	7.9129	1.428e+02	-0.088
6.75239	92.66609	0.822	30.3225	1020.6146	-9.990e-29				
>	990	0.837	44.144155	22.2073	20.43114	22.21564	7.9129	1.402e+02	-0.062
6.74405	92.55129	0.832	30.3237	1020.6158	-9.990e-29				
>	991	0.865	44.141609	22.2089	20.44398	22.21564	7.9129	1.361e+02	-0.030
6.74857	92.61430	0.860	30.3207	1020.6132	-9.990e-29				
>	992	0.874	44.142716	22.2081	20.44398	22.22374	8.0188	1.274e+02	0.000
6.74627	92.58223	0.869	30.3221	1020.6145	-9.990e-29				
>	993	0.893	44.141941	22.2089	20.44398	22.21564	7.7860	1.179e+02	0.027
6.74707	92.59395	0.888	30.3209	1020.6135	-9.990e-29				
>	994	0.902	44.133863	22.2101	20.44398	22.21564	8.0188	1.145e+02	0.049
6.74818	92.60735	0.897	30.3139	1020.6078	-9.990e-29				
>	995	0.921	44.130100	22.2105	20.43114	22.22374	7.9976	1.150e+02	0.068
6.74212	92.52307	0.916	30.3107	1020.6054	-9.990e-29				
>	996	0.949	44.131281	22.2103	20.44398	22.21564	8.0188	1.104e+02	0.087
6.74610	92.57796	0.944	30.3117	1020.6064	-9.990e-29				
>	997	0.968	44.132019	22.2103	20.43114	22.22374	8.1034	1.026e+02	0.101
6.74146	92.51461	0.963	30.3123	1020.6069	-9.990e-29				
>	998	0.986	44.133457	22.2101	20.44398	22.22374	8.0188	9.888e+01	0.114

6.74591	92.57598	0.981	30.3135	1020.6080	0.000e+00				
>	999	1.014	44.137183	22.2088	20.43114	22.22374	7.9764	9.602e+01	0.125
6.74339	92.54129	1.008	30.3173	1020.6113	0.000e+00				
>	1000	1.024	44.138253	22.2088	20.43114	22.22374	8.0822	9.427e+01	0.131
6.74488	92.56215	1.018	30.3181	1020.6119	0.000e+00				
>	1001	1.043	44.137552	22.2091	20.43114	22.22374	8.0188	9.461e+01	0.136
6.74505	92.56458	1.037	30.3174	1020.6114	-9.990e-29				
>	1002	1.033	44.137183	22.2079	20.43114	22.21564	7.8918	9.708e+01	0.137
6.74707	92.59063	1.027	30.3179	1020.6121	-9.990e-29				
>	1003	1.052	44.141573	22.2079	20.44398	22.22374	7.9129	9.888e+01	0.136
6.74887	92.61706	1.046	30.3213	1020.6147	-9.990e-29				
>	1004	1.052	44.140872	22.2081	20.43114	22.22374	7.9129	9.888e+01	0.131
6.74391	92.54904	1.046	30.3206	1020.6141	-9.990e-29				
>	1005	1.061	44.140504	22.2078	20.43114	22.21564	7.9129	9.852e+01	0.127
6.74768	92.60027	1.055	30.3205	1020.6142	-9.990e-29				
>	1006	1.061	44.141205	22.2074	20.41830	22.22374	7.7860	9.852e+01	0.120
6.74123	92.51149	1.055	30.3213	1020.6149	-9.990e-29				
>	1007	1.080	44.143086	22.2072	20.45683	22.22374	7.8283	9.888e+01	0.113
6.75624	92.71798	1.074	30.3229	1020.6163	0.000e+00				
>	1008	1.089	44.144193	22.2064	20.44398	22.22374	7.8283	9.672e+01	0.107
6.75405	92.68735	1.083	30.3243	1020.6176	0.000e+00				
>	1009	1.108	44.146738	22.2066	20.43114	22.21564	7.8283	9.289e+01	0.102
6.75022	92.63603	1.102	30.3261	1020.6190	0.000e+00				
>	1010	1.127	44.147144	22.2060	20.43114	22.22374	7.8706	8.759e+01	0.098
6.74910	92.62013	1.121	30.3268	1020.6198	0.000e+00				
>	1011	1.136	44.154155	22.1980	20.41830	22.22374	7.8918	8.320e+01	0.093
6.74581	92.56750	1.130	30.3378	1020.6303	0.000e+00				
>	1012	1.164	44.175557	22.1963	20.43114	22.22374	7.8706	8.079e+01	0.091
6.75120	92.64811	1.158	30.3554	1020.6442	0.000e+00				
>	1013	1.183	44.190431	22.1912	20.44398	22.22374	7.8495	7.874e+01	0.092
6.75705	92.72788	1.176	30.3704	1020.6571	0.000e+00				
>	1014	1.192	44.203240	22.1907	20.43114	22.22374	7.8495	7.562e+01	0.093
6.75212	92.66489	1.185	30.3805	1020.6649	0.000e+00				
>	1015	1.211	44.207671	22.1851	20.44398	22.22374	7.8283	7.424e+01	0.097
6.75365	92.68039	1.204	30.3878	1020.6721	0.000e+00				
>	1016	1.230	44.215054	22.1867	20.45683	22.22374	7.8283	7.316e+01	0.103
6.76122	92.78938	1.223	30.3924	1020.6752	-9.990e-29				
>	1017	1.230	44.219485	22.1826	20.43114	22.22374	7.8918	7.209e+01	0.107
6.75388	92.68527	1.223	30.3986	1020.6811	-9.990e-29				
>	1018	1.239	44.233074	22.1766	20.44398	22.22374	7.8283	7.104e+01	0.112
6.75920	92.75610	1.232	30.4133	1020.6938	0.000e+00				
>	1019	1.258	44.244190	22.1721	20.44398	22.22374	7.8495	6.924e+01	0.114
6.75711	92.72618	1.251	30.4249	1020.7040	0.000e+00				
>	1020	1.276	44.233442	22.1805	20.44398	22.22374	7.8283	6.748e+01	0.118
6.74983	92.63275	1.269	30.4108	1020.6911	0.000e+00				
>	1021	1.286	44.240570	22.1733	20.45683	22.22374	7.8071	6.552e+01	0.119
6.75131	92.64659	1.279	30.4213	1020.7010	0.000e+00				
>	1022	1.314	44.263137	22.1715	20.44398	22.23183	7.8071	6.293e+01	0.122

6.74188	92.52426	1.307	30.4399	1020.7157	0.000e+00				
>	1023	1.332	44.254974	22.1766	20.43114	22.22374	7.7648	5.977e+01	0.122
6.73589	92.44528	1.325	30.4300	1020.7070	0.000e+00				
>	1024	1.360	44.247956	22.1762	20.45683	22.22374	7.9553	5.783e+01	0.125
6.74357	92.54723	1.353	30.4249	1020.7033	0.000e+00				
>	1025	1.388	44.246110	22.1766	20.44398	22.22374	7.9553	5.595e+01	0.129
6.73999	92.49788	1.380	30.4232	1020.7020	0.000e+00				
>	1026	1.398	44.249065	22.1737	20.45683	22.22374	7.9341	5.373e+01	0.131
6.74406	92.55121	1.390	30.4275	1020.7061	0.000e+00				
>	1027	1.426	44.268679	22.1678	20.43114	22.22374	7.9341	5.141e+01	0.136
6.73670	92.45060	1.418	30.4467	1020.7224	0.000e+00				
>	1028	1.435	44.294578	22.1643	20.40546	22.22374	7.9976	4.938e+01	0.137
6.72631	92.31412	1.427	30.4690	1020.7403	0.000e+00				
>	1029	1.454	44.257559	22.1834	20.41830	22.22374	7.8918	4.848e+01	0.141
6.72962	92.36898	1.446	30.4272	1020.7035	0.000e+00				
>	1030	1.463	44.236102	22.1783	20.40546	22.23183	7.9976	4.830e+01	0.144
6.72730	92.32171	1.455	30.4143	1020.6952	-9.990e-29				
>	1031	1.463	44.255714	22.1696	20.41830	22.22374	7.9976	4.848e+01	0.143
6.73346	92.40307	1.455	30.4355	1020.7136	-9.990e-29				
>	1032	1.463	44.290144	22.1643	20.41830	22.22374	7.9976	4.884e+01	0.140
6.73327	92.40779	1.455	30.4656	1020.7379	-9.990e-29				
>	1033	1.473	44.270156	22.1717	20.41830	22.22374	8.0399	4.866e+01	0.136
6.73629	92.45062	1.465	30.4451	1020.7203	-9.990e-29				
>	1034	1.473	44.256821	22.1725	20.43114	22.22374	8.0611	4.795e+01	0.128
6.74322	92.54124	1.465	30.4343	1020.7119	-9.990e-29				
>	1035	1.463	44.252758	22.1735	20.43114	22.22374	7.9764	4.690e+01	0.116
6.74740	92.59824	1.455	30.4305	1020.7087	-9.990e-29				
>	1036	1.491	44.267571	22.1711	20.40546	22.22374	7.8706	4.521e+01	0.106
6.74041	92.50529	1.483	30.4435	1020.7194	0.000e+00				
>	1037	1.501	44.268679	22.1717	20.41830	22.22374	7.8283	4.310e+01	0.097
6.74341	92.54776	1.493	30.4439	1020.7196	0.000e+00				
>	1038	1.529	44.262362	22.1721	20.41830	22.22374	7.8071	4.079e+01	0.089
6.74375	92.55027	1.521	30.4388	1020.7157	0.000e+00				
>	1039	1.557	44.272373	22.1712	20.40546	22.22374	7.9341	3.903e+01	0.087
6.74065	92.51077	1.548	30.4471	1020.7224	0.000e+00				
>	1040	1.575	44.266094	22.1684	20.41830	22.22374	7.8283	3.790e+01	0.085
6.74382	92.54800	1.566	30.4442	1020.7210	0.000e+00				
>	1041	1.594	44.269789	22.1610	20.41830	22.22374	7.8706	3.748e+01	0.087
6.74585	92.56778	1.585	30.4523	1020.7292	0.000e+00				
>	1042	1.613	44.300158	22.1670	20.41830	22.22374	7.8706	3.735e+01	0.092
6.74385	92.56069	1.604	30.4714	1020.7421	-9.990e-29				
>	1043	1.613	44.263101	22.1745	20.41830	22.22374	7.8918	3.762e+01	0.094
6.74518	92.57337	1.604	30.4377	1020.7145	-9.990e-29				
>	1044	1.622	44.257191	22.1754	20.41830	22.22374	7.9341	3.790e+01	0.098
6.74794	92.60994	1.613	30.4325	1020.7104	-9.990e-29				
>	1045	1.622	44.263508	22.1704	20.41830	22.22374	7.8918	3.804e+01	0.100
6.74537	92.57077	1.613	30.4408	1020.7181	-9.990e-29				
>	1046	1.622	44.275698	22.1684	20.41830	22.23183	7.8918	3.804e+01	0.102

6.74222	92.52996	1.613	30.4516	1020.7268	-9.990e-29				
>	1047	1.641	44.278654	22.1674	20.44398	22.22374	7.8918	3.721e+01	0.105
6.75102	92.65073	1.632	30.4546	1020.7294	-9.990e-29				
>	1048	1.641	44.275698	22.1706	20.40546	22.22374	7.9553	3.600e+01	0.105
6.73518	92.43619	1.632	30.4501	1020.7251	-9.990e-29				
>	1049	1.660	44.267572	22.1680	20.43114	22.22374	7.9129	3.382e+01	0.104
6.74450	92.55743	1.651	30.4456	1020.7226	0.000e+00				
>	1050	1.678	44.316089	22.1472	20.41830	22.22374	7.8706	3.177e+01	0.104
6.74026	92.49234	1.669	30.4975	1020.7676	0.000e+00				
>	1051	1.716	44.330171	22.1481	20.41830	22.22374	7.8918	2.952e+01	0.106
6.74009	92.49706	1.707	30.5076	1020.7753	0.000e+00				
>	1052	1.753	44.332759	22.1489	20.43114	22.22374	7.9341	2.713e+01	0.107
6.74591	92.57899	1.743	30.5091	1020.7763	0.000e+00				
>	1053	1.791	44.344996	22.1425	20.40546	22.22374	7.9129	2.493e+01	0.113
6.73800	92.46726	1.781	30.5229	1020.7887	0.000e+00				
>	1054	1.828	44.392146	22.1279	20.40546	22.22374	7.8918	2.316e+01	0.121
6.73865	92.47676	1.818	30.5694	1020.8281	0.000e+00				
>	1055	1.856	44.414268	22.1255	20.40546	22.21564	7.8283	2.217e+01	0.132
6.73867	92.48313	1.846	30.5881	1020.8431	0.000e+00				
>	1056	1.875	44.424111	22.1217	20.40546	22.22374	7.9553	2.160e+01	0.144
6.74071	92.51021	1.865	30.5984	1020.8520	0.000e+00				
>	1057	1.884	44.432659	22.1189	20.41830	22.22374	8.0399	2.152e+01	0.155
6.74291	92.54041	1.874	30.6069	1020.8593	0.000e+00				
>	1058	1.912	44.436766	22.1211	20.40546	22.22374	7.9553	2.168e+01	0.167
6.73775	92.47412	1.901	30.6085	1020.8600	-9.990e-29				
>	1059	1.912	44.437987	22.1205	20.41830	22.22374	7.9341	2.208e+01	0.177
6.74056	92.51239	1.901	30.6099	1020.8612	-9.990e-29				
>	1060	1.912	44.437506	22.1217	20.43114	22.21564	7.9553	2.241e+01	0.180
6.74641	92.59394	1.901	30.6087	1020.8599	-9.990e-29				
>	1061	1.912	44.430919	22.1232	20.41830	22.21564	7.8918	2.274e+01	0.180
6.74398	92.55984	1.901	30.6025	1020.8549	-9.990e-29				
>	1062	1.922	44.424110	22.1277	20.41830	22.21564	7.9341	2.291e+01	0.175
6.74144	92.52795	1.911	30.5941	1020.8473	-9.990e-29				
>	1063	1.912	44.409458	22.1326	20.40546	22.21564	7.9129	2.249e+01	0.163
6.73495	92.43914	1.901	30.5794	1020.8348	-9.990e-29				
>	1064	1.922	44.396104	22.1343	20.41830	22.21564	7.8706	2.208e+01	0.150
6.73758	92.47191	1.911	30.5679	1020.8257	-9.990e-29				
>	1065	1.922	44.395364	22.1345	20.40546	22.21564	7.9341	2.152e+01	0.131
6.73027	92.37157	1.911	30.5672	1020.8251	-9.990e-29				
>	1066	1.922	44.402024	22.1228	20.39261	22.21564	7.9976	2.129e+01	0.111
6.72744	92.32041	1.911	30.5806	1020.8384	-9.990e-29				
>	1067	1.931	44.425220	22.1283	20.39261	22.21564	8.0611	2.121e+01	0.090
6.72370	92.28575	1.920	30.5946	1020.8475	-9.990e-29				
>	1068	1.931	44.394365	22.1374	20.40546	22.21564	7.9553	2.105e+01	0.070
6.72860	92.35193	1.920	30.5644	1020.8222	-9.990e-29				
>	1069	1.931	44.384711	22.1347	20.40546	22.21564	7.8918	2.113e+01	0.053
6.73326	92.40848	1.920	30.5589	1020.8187	-9.990e-29				
>	1070	1.931	44.387300	22.1347	20.39261	22.20755	7.8918	2.137e+01	0.039

6.73059	92.37294	1.920	30.5609	1020.8203	-9.990e-29				
>	1071	1.940	44.396955	22.1326	20.39261	22.20755	7.8706	2.137e+01	0.031
6.73125	92.38325	1.929	30.5698	1020.8276	-9.990e-29				
>	1072	1.931	44.385451	22.1357	20.39261	22.21564	7.9129	2.144e+01	0.023
6.72933	92.35614	1.920	30.5588	1020.8184	-9.990e-29				
>	1073	1.931	44.376167	22.1406	20.37977	22.21564	7.8283	2.129e+01	0.018
6.72756	92.33432	1.920	30.5482	1020.8090	-9.990e-29				
>	1074	1.940	44.362448	22.1421	20.39261	22.20755	7.8918	2.090e+01	0.014
6.73394	92.41811	1.929	30.5366	1020.7998	0.000e+00				
>	1075	1.950	44.359083	22.1427	20.37977	22.20755	7.9553	2.044e+01	0.016
6.73019	92.36611	1.939	30.5336	1020.7974	0.000e+00				
>	1076	1.959	44.367255	22.1425	20.39261	22.20755	7.9976	2.015e+01	0.019
6.73611	92.45046	1.948	30.5400	1020.8024	0.000e+00				
>	1077	1.987	44.371693	22.1409	20.40546	22.21564	8.0188	1.978e+01	0.025
6.74081	92.51477	1.976	30.5445	1020.8064	-9.990e-29				
>	1078	1.987	44.394366	22.1294	20.37977	22.20755	7.9341	1.928e+01	0.029
6.73657	92.45110	1.976	30.5700	1020.8289	-9.990e-29				
>	1079	2.015	44.433179	22.1084	20.37977	22.20755	7.8706	1.893e+01	0.039
6.74013	92.48878	2.004	30.6147	1020.8686	-9.990e-29				
>	1080	1.978	44.460234	22.1014	20.37977	22.20755	7.8706	1.928e+01	0.038
6.74067	92.49838	1.967	30.6404	1020.8899	-9.990e-29				
>	1081	2.015	44.475447	22.1113	20.39261	22.20755	7.8706	1.963e+01	0.044
6.74512	92.57851	2.004	30.6451	1020.8909	-9.990e-29				
>	1082	2.006	44.420003	22.1273	20.37977	22.20755	7.8706	1.956e+01	0.047
6.73928	92.49613	1.995	30.5912	1020.8456	-9.990e-29				
>	1083	2.006	44.389557	22.1335	20.39261	22.20755	7.8706	1.900e+01	0.048
6.74117	92.51749	1.995	30.5635	1020.8229	-9.990e-29				
>	1084	1.996	44.386191	22.1341	20.40546	22.19945	7.8283	1.845e+01	0.048
6.74465	92.56465	1.985	30.5604	1020.8204	-9.990e-29				
>	1085	2.006	44.403651	22.1267	20.39261	22.20755	7.9553	1.798e+01	0.048
6.74111	92.51369	1.995	30.5791	1020.8366	0.000e+00				
>	1086	2.015	44.417228	22.1286	20.39261	22.19945	7.8918	1.752e+01	0.047
6.74385	92.55933	2.004	30.5882	1020.8430	-9.990e-29				
>	1087	2.015	44.432289	22.1176	20.40546	22.19945	7.9553	1.714e+01	0.046
6.74807	92.60937	2.004	30.6075	1020.8606	-9.990e-29				
>	1088	2.034	44.468415	22.1020	20.39261	22.19945	7.8918	1.658e+01	0.047
6.74218	92.52335	2.023	30.6463	1020.8944	0.000e+00				
>	1089	2.043	44.472857	22.0991	20.40546	22.19945	7.9129	1.610e+01	0.046
6.74420	92.54905	2.032	30.6517	1020.8994	0.000e+00				
>	1090	2.052	44.494739	22.0973	20.39261	22.19945	7.8495	1.598e+01	0.044
6.73982	92.49576	2.041	30.6699	1020.9136	-9.990e-29				
>	1091	2.052	44.509996	22.0969	20.36693	22.19945	7.8706	1.634e+01	0.042
6.72832	92.34374	2.041	30.6819	1020.9229	-9.990e-29				
>	1092	2.043	44.511625	22.0994	20.37977	22.19945	7.9553	1.733e+01	0.037
6.72988	92.36899	2.032	30.6814	1020.9218	-9.990e-29				
>	1093	2.071	44.479518	22.1181	20.40546	22.19945	7.9764	1.772e+01	0.037
6.73925	92.50844	2.060	30.6435	1020.8880	-9.990e-29				
>	1094	2.034	44.423371	22.1209	20.39261	22.19945	7.9341	1.791e+01	0.034

6.73576	92.44088	2.023	30.5983	1020.8529	-9.990e-29				
>	1095	2.015	44.422039	22.1207	20.39261	22.19945	7.8706	1.824e+01	0.027
6.73412	92.41765	2.004	30.5974	1020.8522	-9.990e-29				
>	1096	2.015	44.430439	22.1225	20.37977	22.19136	7.8918	1.879e+01	0.024
6.73240	92.39976	2.004	30.6026	1020.8556	-9.990e-29				
>	1097	2.015	44.415934	22.1252	20.37977	22.19945	7.8283	1.865e+01	0.015
6.73130	92.38217	2.004	30.5896	1020.8450	-9.990e-29				
>	1098	2.006	44.407240	22.1263	20.39261	22.19136	7.8706	1.811e+01	0.010
6.73924	92.48900	1.995	30.5821	1020.8390	-9.990e-29				
>	1099	1.968	44.409607	22.1291	20.37977	22.19945	7.8283	1.818e+01	
-0.003	6.73514	92.43738	1.957	30.5820	1020.8379	-9.990e-29			
>	1100	1.996	44.387300	22.1398	20.36693	22.19136	7.8071	1.831e+01	
-0.010	6.73088	92.38352	1.985	30.5573	1020.8164	-9.990e-29			
>	1101	1.996	44.372470	22.1390	20.39261	22.19136	7.8495	1.765e+01	
-0.018	6.74034	92.50610	1.985	30.5465	1020.8084	-9.990e-29			
>	1102	1.987	44.379830	22.1314	20.37977	22.19136	7.8918	1.689e+01	
-0.027	6.73998	92.49448	1.976	30.5575	1020.8188	-9.990e-29			
>	1103	1.996	44.402393	22.1327	20.36693	22.19136	7.9976	1.652e+01	
-0.032	6.73806	92.47903	1.985	30.5739	1020.8309	-9.990e-29			
>	1104	2.015	44.398324	22.1291	20.37977	22.19136	7.9129	1.622e+01	
-0.033	6.74597	92.58127	2.004	30.5733	1020.8316	-9.990e-29			
>	1105	2.024	44.430441	22.1053	20.37977	22.19136	7.8706	1.616e+01	
-0.030	6.74939	92.61077	2.013	30.6147	1020.8695	-9.990e-29			
>	1106	2.043	44.472857	22.1024	20.37977	22.19136	7.7437	1.598e+01	
-0.022	6.74951	92.62621	2.032	30.6494	1020.8967	-9.990e-29			
>	1107	2.052	44.486221	22.1073	20.39261	22.19136	7.8283	1.581e+01	
-0.011	6.75361	92.69442	2.041	30.6562	1020.9006	0.000e+00			
>	1108	2.071	44.477336	22.1057	20.39261	22.18326	7.8918	1.552e+01	0.003
6.75497	92.70725	2.060	30.6505	1020.8968	0.000e+00				
>	1109	2.081	44.489258	22.1032	20.39261	22.19136	7.8283	1.513e+01	0.016
6.75239	92.67364	2.070	30.6615	1020.9058	0.000e+00				
>	1110	2.099	44.493257	22.1022	20.39261	22.19136	7.8706	1.442e+01	0.036
6.75124	92.65820	2.087	30.6652	1020.9090	-9.990e-29				
>	1111	2.099	44.492887	22.0997	20.40546	22.19136	7.8706	1.380e+01	0.050
6.75468	92.70205	2.087	30.6667	1020.9108	-9.990e-29				
>	1112	2.118	44.514811	22.0940	20.40546	22.19136	7.7648	1.345e+01	0.062
6.75057	92.64726	2.106	30.6876	1020.9283	0.000e+00				
>	1113	2.127	44.520552	22.0948	20.40546	22.19136	7.7860	1.316e+01	0.073
6.74744	92.60780	2.115	30.6915	1020.9310	0.000e+00				
>	1114	2.137	44.520404	22.0960	20.40546	22.18326	7.8071	1.273e+01	0.083
6.74598	92.58920	2.125	30.6905	1020.9300	0.000e+00				
>	1115	2.146	44.520404	22.0942	20.39261	22.18326	7.7860	1.240e+01	0.091
6.73907	92.49205	2.134	30.6918	1020.9315	0.000e+00				
>	1116	2.155	44.519441	22.0956	20.39261	22.18326	7.9341	1.200e+01	0.091
6.73624	92.45461	2.143	30.6900	1020.9299	0.000e+00				
>	1117	2.165	44.515181	22.0961	20.40546	22.18326	7.9553	1.187e+01	0.094
6.73825	92.48109	2.153	30.6864	1020.9270	0.000e+00				
>	1118	2.174	44.512589	22.0964	20.37977	22.18326	7.8706	1.165e+01	0.095

6.72771	92.33568	2.162	30.6842	1020.9253	0.000e+00				
>	1119	2.183	44.515737	22.0958	20.39261	22.18326	7.9341	1.161e+01	0.092
6.73030	92.37183	2.171	30.6870	1020.9277	-9.990e-29				
>	1120	2.183	44.515922	22.0969	20.37977	22.18326	7.8918	1.157e+01	0.087
6.72604	92.31481	2.171	30.6864	1020.9269	-9.990e-29				
>	1121	2.183	44.513848	22.0971	20.37977	22.18326	7.8706	1.161e+01	0.082
6.72675	92.32395	2.171	30.6847	1020.9255	-9.990e-29				
>	1122	2.193	44.512959	22.0966	20.37977	22.17516	7.8706	1.157e+01	0.076
6.72821	92.34300	2.181	30.6843	1020.9254	-9.990e-29				
>	1123	2.183	44.513329	22.0969	20.37977	22.18326	7.9341	1.153e+01	0.069
6.72847	92.34714	2.171	30.6844	1020.9254	-9.990e-29				
>	1124	2.193	44.511256	22.0971	20.36693	22.17516	7.9976	1.140e+01	0.063
6.72660	92.32086	2.181	30.6827	1020.9240	-9.990e-29				
>	1125	2.193	44.507367	22.0985	20.36693	22.17516	7.8495	1.132e+01	0.057
6.72772	92.33637	2.181	30.6787	1020.9206	-9.990e-29				
>	1126	2.202	44.508256	22.0989	20.36693	22.17516	7.8706	1.115e+01	0.051
6.73068	92.37787	2.190	30.6791	1020.9209	-9.990e-29				
>	1127	2.193	44.502922	22.1035	20.36693	22.17516	7.8918	1.095e+01	0.045
6.73209	92.40102	2.181	30.6717	1020.9140	-9.990e-29				
>	1128	2.202	44.503404	22.0979	20.36693	22.17516	7.8918	1.071e+01	0.039
6.73482	92.43140	2.190	30.6761	1020.9188	0.000e+00				
>	1129	2.211	44.504775	22.0979	20.36693	22.17516	7.8283	1.051e+01	0.036
6.73697	92.46152	2.199	30.6771	1020.9197	0.000e+00				
>	1130	2.221	44.503775	22.0977	20.35409	22.17516	7.9129	1.040e+01	0.034
6.73493	92.43291	2.209	30.6765	1020.9193	-9.990e-29				
>	1131	2.221	44.503663	22.0993	20.36693	22.17516	7.8918	1.025e+01	0.031
6.74121	92.52101	2.209	30.6753	1020.9179	-9.990e-29				
>	1132	2.221	44.502923	22.1005	20.36693	22.17516	7.7648	1.021e+01	0.029
6.74326	92.55046	2.209	30.6738	1020.9165	-9.990e-29				
>	1133	2.221	44.499960	22.1006	20.36693	22.17516	7.7648	1.032e+01	0.027
6.74401	92.55965	2.209	30.6715	1020.9147	-9.990e-29				
>	1134	2.221	44.495479	22.1030	20.36693	22.17516	7.7860	1.040e+01	0.025
6.74434	92.56547	2.209	30.6664	1020.9102	-9.990e-29				
>	1135	2.211	44.494109	22.1026	20.37977	22.17516	7.8495	1.048e+01	0.022
6.74905	92.62897	2.199	30.6656	1020.9096	-9.990e-29				
>	1136	2.221	44.492887	22.1028	20.36693	22.16707	7.7860	1.055e+01	0.022
6.74648	92.59349	2.209	30.6645	1020.9088	-9.990e-29				
>	1137	2.221	44.492147	22.1032	20.37977	22.16707	7.8283	1.036e+01	0.021
6.75209	92.67063	2.209	30.6636	1020.9081	-9.990e-29				
>	1138	2.230	44.491850	22.1039	20.37977	22.17516	7.8495	1.017e+01	0.020
6.75015	92.64479	2.218	30.6629	1020.9074	-9.990e-29				
>	1139	2.230	44.486592	22.1061	20.37977	22.17516	7.7437	9.950e+00	0.021
6.74801	92.61609	2.218	30.6573	1020.9025	-9.990e-29				
>	1140	2.240	44.482483	22.1045	20.37977	22.16707	7.8283	9.769e+00	0.020
6.75038	92.64491	2.228	30.6553	1020.9014	-9.990e-29				
>	1141	2.240	44.485482	22.1053	20.37977	22.16707	7.8706	9.591e+00	0.020
6.74901	92.62838	2.228	30.6570	1020.9025	-9.990e-29				
>	1142	2.240	44.484038	22.1057	20.37977	22.16707	7.8706	9.486e+00	0.019

6.74901	92.62820	2.228	30.6556	1020.9014	-9.990e-29				
>	1143	2.240	44.483297	22.1060	20.37977	22.16707	7.8918	9.451e+00	0.019
6.74865	92.62345	2.228	30.6549	1020.9007	-9.990e-29				
>	1144	2.249	44.479151	22.1065	20.37977	22.16707	7.8071	9.279e+00	0.018
6.74822	92.61642	2.237	30.6513	1020.8979	-9.990e-29				
>	1145	2.249	44.476189	22.1088	20.39261	22.16707	7.8071	9.077e+00	0.017
6.74894	92.62806	2.237	30.6474	1020.8943	-9.990e-29				
>	1146	2.249	44.474708	22.1084	20.37977	22.16707	7.7437	8.879e+00	0.017
6.74424	92.56247	2.237	30.6465	1020.8938	-9.990e-29				
>	1147	2.258	44.474708	22.1084	20.37977	22.16707	7.8071	8.749e+00	0.020
6.74375	92.55567	2.246	30.6465	1020.8938	0.000e+00				
>	1148	2.277	44.473967	22.1086	20.39261	22.16707	7.8283	8.527e+00	0.025
6.74889	92.62623	2.264	30.6458	1020.8933	0.000e+00				
>	1149	2.305	44.464675	22.1152	20.37977	22.16707	7.7860	8.040e+00	0.033
6.74475	92.57397	2.292	30.6340	1020.8827	0.000e+00				
>	1150	2.333	44.446131	22.1189	20.39261	22.15897	7.7648	7.526e+00	0.044
6.75119	92.65949	2.320	30.6171	1020.8690	0.000e+00				
>	1151	2.361	44.437879	22.1181	20.39261	22.15897	7.7648	7.018e+00	0.057
6.75191	92.66486	2.348	30.6113	1020.8649	0.000e+00				
>	1152	2.389	44.446428	22.1126	20.37977	22.15897	7.8283	6.691e+00	0.070
6.74691	92.59275	2.376	30.6218	1020.8745	0.000e+00				
>	1153	2.427	44.469156	22.1069	20.36693	22.15897	7.8495	6.332e+00	0.087
6.74422	92.55781	2.414	30.6433	1020.8925	0.000e+00				
>	1154	2.455	44.480632	22.1063	20.37977	22.15897	7.9341	5.993e+00	0.104
6.74961	92.63581	2.441	30.6525	1020.8998	0.000e+00				
>	1155	2.473	44.483669	22.1022	20.37977	22.15897	7.8283	5.734e+00	0.122
6.74989	92.63563	2.459	30.6577	1020.9050	0.000e+00				
>	1156	2.483	44.493629	22.1041	20.39261	22.15897	7.8918	5.548e+00	0.136
6.75197	92.67068	2.469	30.6641	1020.9093	0.000e+00				
>	1157	2.501	44.485483	22.1034	20.39261	22.15897	7.8071	5.407e+00	0.149
6.75350	92.68741	2.487	30.6583	1020.9052	0.000e+00				
>	1158	2.511	44.490296	22.1043	20.39261	22.15897	7.8071	5.328e+00	0.160
6.75291	92.68252	2.497	30.6614	1020.9073	0.000e+00				
>	1159	2.520	44.490741	22.1032	20.39261	22.15897	7.8283	5.250e+00	0.166
6.75136	92.66006	2.506	30.6625	1020.9085	0.000e+00				
>	1160	2.530	44.490667	22.1034	20.37977	22.15897	7.7437	5.117e+00	0.168
6.74706	92.60124	2.516	30.6623	1020.9083	0.000e+00				
>	1161	2.548	44.494741	22.0985	20.40546	22.15897	7.7648	4.878e+00	0.169
6.75482	92.70305	2.534	30.6689	1020.9147	0.000e+00				
>	1162	2.576	44.503777	22.0966	20.39261	22.15897	7.7648	4.617e+00	0.169
6.74901	92.62462	2.562	30.6771	1020.9217	0.000e+00				
>	1163	2.604	44.520406	22.0930	20.39261	22.15897	7.8495	4.321e+00	0.166
6.74866	92.62204	2.590	30.6925	1020.9344	0.000e+00				
>	1164	2.632	44.528926	22.0907	20.37977	22.15897	7.9764	4.060e+00	0.163
6.74258	92.53921	2.618	30.7007	1020.9413	0.000e+00				
>	1165	2.670	44.530444	22.0923	20.39261	22.15897	7.9976	3.842e+00	0.162
6.74767	92.61173	2.655	30.7007	1020.9411	0.000e+00				
>	1166	2.707	44.527666	22.0913	20.39261	22.15897	7.9129	3.649e+00	0.163

6.74624	92.58961	2.692	30.6992	1020.9404	0.000e+00				
>	1167	2.726	44.529296	22.0913	20.36693	22.15897	7.8706	3.505e+00	0.165
6.73763	92.47212	2.711	30.7005	1020.9415	0.000e+00				
>	1168	2.754	44.526703	22.0935	20.37977	22.15897	7.9129	3.403e+00	0.168
6.74191	92.53268	2.739	30.6969	1020.9383	0.000e+00				
>	1169	2.763	44.525963	22.0921	20.37977	22.15897	7.8495	3.329e+00	0.170
6.73960	92.49881	2.748	30.6973	1020.9390	-9.990e-29				
>	1170	2.763	44.525962	22.0934	20.39261	22.15897	7.8071	3.354e+00	0.172
6.74305	92.54787	2.748	30.6964	1020.9380	-9.990e-29				
>	1171	2.763	44.522444	22.0934	20.39261	22.15897	7.7860	3.366e+00	0.171
6.74299	92.54556	2.748	30.6937	1020.9359	-9.990e-29				
>	1172	2.763	44.523370	22.0936	20.37977	22.15088	7.7648	3.403e+00	0.168
6.74034	92.50990	2.748	30.6943	1020.9363	-9.990e-29				
>	1173	2.754	44.524851	22.0933	20.39261	22.15897	7.8071	3.441e+00	0.159
6.74073	92.51547	2.739	30.6956	1020.9374	-9.990e-29				
>	1174	2.754	44.526148	22.0933	20.36693	22.15897	7.8706	3.454e+00	0.149
6.73430	92.42773	2.739	30.6966	1020.9381	-9.990e-29				
>	1175	2.754	44.526148	22.0936	20.37977	22.15088	7.8918	3.428e+00	0.135
6.74109	92.52132	2.739	30.6964	1020.9379	-9.990e-29				
>	1176	2.763	44.522999	22.0950	20.37977	22.15897	7.8918	3.329e+00	0.119
6.73781	92.47672	2.748	30.6930	1020.9349	0.000e+00				
>	1177	2.773	44.524110	22.0940	20.36693	22.15897	7.9129	3.186e+00	0.102
6.73345	92.41613	2.758	30.6946	1020.9364	0.000e+00				
>	1178	2.782	44.523925	22.0942	20.35409	22.15897	7.8495	3.071e+00	0.085
6.72915	92.35729	2.767	30.6943	1020.9362	0.000e+00				
>	1179	2.810	44.520036	22.0948	20.36693	22.15897	7.8495	2.993e+00	0.072
6.73519	92.43937	2.795	30.6909	1020.9336	0.000e+00				
>	1180	2.829	44.519666	22.0940	20.36693	22.15088	7.9129	2.993e+00	0.063
6.73887	92.48869	2.813	30.6911	1020.9341	0.000e+00				
>	1181	2.838	44.520777	22.0954	20.35409	22.15897	7.8495	2.971e+00	0.056
6.73369	92.41986	2.822	30.6910	1020.9336	-9.990e-29				
>	1182	2.838	44.516295	22.0961	20.37977	22.15088	7.8706	2.960e+00	0.051
6.74772	92.61140	2.822	30.6871	1020.9304	-9.990e-29				
>	1183	2.838	44.515925	22.0952	20.36693	22.15897	7.9129	2.917e+00	0.050
6.74169	92.52731	2.822	30.6874	1020.9310	-9.990e-29				
>	1184	2.838	44.519073	22.0950	20.36693	22.15897	7.8706	2.906e+00	0.050
6.74549	92.58051	2.822	30.6900	1020.9330	-9.990e-29				
>	1185	2.848	44.518888	22.0946	20.36693	22.15897	7.8283	2.885e+00	0.053
6.74522	92.57621	2.832	30.6901	1020.9332	-9.990e-29				
>	1186	2.848	44.519666	22.0944	20.36693	22.15088	7.8283	2.832e+00	0.057
6.74524	92.57653	2.832	30.6909	1020.9338	-9.990e-29				
>	1187	2.848	44.520777	22.0948	20.36693	22.15897	7.8283	2.770e+00	0.059
6.74211	92.53456	2.832	30.6914	1020.9342	-9.990e-29				
>	1188	2.848	44.521148	22.0946	20.36693	22.15897	7.7648	2.720e+00	0.059
6.74330	92.55081	2.832	30.6919	1020.9345	-9.990e-29				
>	1189	2.866	44.520777	22.0942	20.36693	22.15088	7.8071	2.651e+00	0.060
6.74592	92.58611	2.850	30.6918	1020.9347	0.000e+00				
>	1190	2.885	44.523370	22.0942	20.37977	22.15897	7.7225	2.555e+00	0.061

6.74929	92.63347	2.869	30.6938	1020.9363	0.000e+00				
>	1191	2.922	44.524667	22.0900	20.36693	22.15088	7.8071	2.418e+00	0.065
6.74757	92.60498	2.906	30.6978	1020.9406	0.000e+00				
>	1192	2.951	44.541226	22.0876	20.39261	22.15088	7.8071	2.272e+00	0.070
6.75650	92.73119	2.935	30.7122	1020.9524	0.000e+00				
>	1193	2.979	44.544560	22.0882	20.35409	22.15897	7.8706	2.150e+00	0.077
6.74093	92.51977	2.963	30.7144	1020.9539	0.000e+00				
>	1194	3.007	44.538596	22.0888	20.35409	22.15088	7.8918	2.050e+00	0.087
6.74563	92.58247	2.990	30.7093	1020.9501	0.000e+00				
>	1195	3.035	44.541226	22.0878	20.36693	22.15088	7.8918	1.990e+00	0.097
6.74848	92.62142	3.018	30.7121	1020.9525	0.000e+00				
>	1196	3.053	44.539707	22.0894	20.37977	22.15897	7.9129	1.926e+00	0.111
6.75093	92.65649	3.036	30.7098	1020.9504	0.000e+00				
>	1197	3.072	44.534521	22.0905	20.37977	22.15088	7.9341	1.877e+00	0.126
6.75351	92.69114	3.055	30.7050	1020.9466	-9.990e-29				
>	1198	3.072	44.533039	22.0903	20.39261	22.15897	7.8918	1.836e+00	0.138
6.75566	92.71984	3.055	30.7040	1020.9459	-9.990e-29				
>	1199	3.091	44.532669	22.0900	20.36693	22.15897	7.8918	1.809e+00	0.148
6.74648	92.59324	3.074	30.7039	1020.9460	0.000e+00				
>	1200	3.100	44.531928	22.0909	20.37977	22.15088	7.8495	1.750e+00	0.155
6.75154	92.66362	3.083	30.7027	1020.9449	0.000e+00				
>	1201	3.119	44.533632	22.0888	20.36693	22.15088	7.8495	1.693e+00	0.159
6.74968	92.63598	3.102	30.7055	1020.9476	0.000e+00				
>	1202	3.138	44.539226	22.0884	20.40546	22.15088	7.8918	1.626e+00	0.163
6.76027	92.78313	3.121	30.7101	1020.9513	0.000e+00				
>	1203	3.166	44.537115	22.0894	20.36693	22.15088	7.7648	1.562e+00	0.165
6.74483	92.57169	3.149	30.7077	1020.9494	0.000e+00				
>	1204	3.194	44.538597	22.0882	20.37977	22.15088	7.7648	1.478e+00	0.166
6.74791	92.61304	3.176	30.7097	1020.9513	0.000e+00				
>	1205	3.222	44.544932	22.0841	20.39261	22.15088	7.8283	1.399e+00	0.164
6.75391	92.69268	3.204	30.7175	1020.9585	0.000e+00				
>	1206	3.250	44.559827	22.0833	20.37977	22.15088	7.7860	1.338e+00	0.163
6.74913	92.63223	3.232	30.7295	1020.9679	0.000e+00				
>	1207	3.278	44.551934	22.0882	20.36693	22.15088	7.8495	1.271e+00	0.161
6.74583	92.58995	3.260	30.7199	1020.9595	0.000e+00				
>	1208	3.315	44.541857	22.0878	20.37977	22.15088	7.8706	1.203e+00	0.165
6.74900	92.62875	3.297	30.7125	1020.9541	0.000e+00				
>	1209	3.334	44.543710	22.0880	20.37977	22.15088	7.9129	1.151e+00	0.169
6.74877	92.62662	3.316	30.7137	1020.9551	0.000e+00				
>	1210	3.344	44.538856	22.0913	20.37977	22.15088	7.8071	1.122e+00	0.171
6.74547	92.58367	3.326	30.7077	1020.9496	0.000e+00				
>	1211	3.362	44.531373	22.0915	20.37977	22.15088	7.8706	1.102e+00	0.174
6.74856	92.62310	3.344	30.7018	1020.9451	-9.990e-29				
>	1212	3.362	44.535263	22.0900	20.37977	22.15088	7.8071	1.102e+00	0.176
6.74728	92.60531	3.344	30.7058	1020.9486	-9.990e-29				
>	1213	3.362	44.537486	22.0894	20.39261	22.15088	7.7437	1.106e+00	0.174
6.75024	92.64601	3.344	30.7079	1020.9504	-9.990e-29				
>	1214	3.372	44.541228	22.0882	20.37977	22.15088	7.7860	1.106e+00	0.171

6.74768	92.61090	3.353	30.7117	1020.9536	-9.990e-29				
>	1215	3.372	44.542710	22.0882	20.37977	22.15088	7.7860	1.110e+00	0.162
6.74797	92.61552	3.353	30.7128	1020.9545	-9.990e-29				
>	1216	3.381	44.542710	22.0884	20.37977	22.14278	7.9341	1.094e+00	0.152
6.74831	92.62042	3.362	30.7127	1020.9543	0.000e+00				
>	1217	3.400	44.541228	22.0886	20.37977	22.15088	7.8918	1.058e+00	0.141
6.74698	92.60186	3.381	30.7114	1020.9534	0.000e+00				
>	1218	3.418	44.539709	22.0892	20.36693	22.15088	7.8071	1.016e+00	0.130
6.74285	92.54525	3.399	30.7098	1020.9521	0.000e+00				
>	1219	3.446	44.536375	22.0907	20.37977	22.15088	7.8283	9.723e-01	0.121
6.74590	92.58768	3.427	30.7061	1020.9491	0.000e+00				
>	1220	3.475	44.530448	22.0907	20.37977	22.14278	7.8283	9.235e-01	0.115
6.74798	92.61374	3.456	30.7016	1020.9457	0.000e+00				
>	1221	3.503	44.535116	22.0897	20.36693	22.14278	7.8071	8.869e-01	0.113
6.74538	92.57878	3.484	30.7059	1020.9494	0.000e+00				
>	1222	3.521	44.534375	22.0907	20.37977	22.15088	7.8495	8.456e-01	0.112
6.74974	92.63954	3.502	30.7046	1020.9482	0.000e+00				
>	1223	3.549	44.531930	22.0913	20.37977	22.15088	7.8706	8.091e-01	0.115
6.75145	92.66275	3.529	30.7023	1020.9464	0.000e+00				
>	1224	3.568	44.530448	22.0928	20.37977	22.14278	7.8071	7.714e-01	0.120
6.75437	92.70417	3.548	30.7001	1020.9444	0.000e+00				
>	1225	3.596	44.528559	22.0927	20.37977	22.14278	7.7860	7.408e-01	0.130
6.75581	92.72309	3.576	30.6987	1020.9435	0.000e+00				
>	1226	3.615	44.517039	22.0990	20.37977	22.14278	7.7225	7.115e-01	0.141
6.75656	92.73663	3.595	30.6853	1020.9317	0.000e+00				
>	1227	3.634	44.507373	22.0991	20.36693	22.15088	7.8071	6.858e-01	0.151
6.74918	92.63148	3.614	30.6778	1020.9261	0.000e+00				
>	1228	3.662	44.504410	22.0997	20.37977	22.15088	7.7225	6.562e-01	0.164
6.75435	92.70204	3.642	30.6751	1020.9240	0.000e+00				
>	1229	3.680	44.508113	22.1010	20.39261	22.14278	7.6378	6.349e-01	0.173
6.76059	92.79090	3.660	30.6770	1020.9252	0.000e+00				
>	1230	3.718	44.498485	22.0999	20.37977	22.14278	7.7648	6.097e-01	0.181
6.75442	92.70069	3.698	30.6704	1020.9206	0.000e+00				
>	1231	3.746	44.507744	22.0983	20.39261	22.14278	7.8495	5.877e-01	0.189
6.76035	92.78384	3.725	30.6786	1020.9274	0.000e+00				
>	1232	3.774	44.510744	22.0961	20.39261	22.14278	7.8918	5.624e-01	0.194
6.76056	92.78524	3.753	30.6825	1020.9311	0.000e+00				
>	1233	3.793	44.534377	22.0806	20.39261	22.14278	7.7648	5.441e-01	0.196
6.76033	92.77183	3.772	30.7116	1020.9575	0.000e+00				
>	1234	3.821	44.591850	22.0783	20.39261	22.14278	7.8071	5.245e-01	0.197
6.75740	92.75248	3.800	30.7575	1020.9930	0.000e+00				
>	1235	3.840	44.541231	22.0814	20.37977	22.14278	7.7225	5.112e-01	0.197
6.75275	92.67161	3.819	30.7163	1020.9611	0.000e+00				
>	1236	3.858	44.606383	22.0662	20.39261	22.14278	7.7225	4.927e-01	0.195
6.75400	92.69616	3.837	30.7773	1021.0115	-9.990e-29				
>	1237	3.858	44.622401	22.0549	20.39261	22.14278	7.7648	4.732e-01	0.191
6.75327	92.67824	3.837	30.7976	1021.0300	-9.990e-29				
>	1238	3.858	44.667537	22.0528	20.37977	22.14278	7.8283	4.646e-01	0.184

6.74636	92.59948	3.837	30.8339	1021.0581	-9.990e-29				
>	1239	3.886	44.633227	22.0693	20.40546	22.14278	7.7860	4.629e-01	0.178
6.75257	92.69170	3.865	30.7958	1021.0248	-9.990e-29				
>	1240	3.868	44.598153	22.0691	20.39261	22.14278	7.8283	4.612e-01	0.167
6.74681	92.59792	3.847	30.7689	1021.0044	-9.990e-29				
>	1241	3.886	44.572466	22.0818	20.37977	22.14278	7.8071	4.595e-01	0.156
6.73968	92.50570	3.865	30.7401	1020.9792	-9.990e-29				
>	1242	3.877	44.535635	22.0952	20.37977	22.14278	7.8283	4.595e-01	0.142
6.73756	92.47864	3.856	30.7023	1020.9468	-9.990e-29				
>	1243	3.886	44.528784	22.0856	20.37977	22.14278	7.8071	4.578e-01	0.127
6.73933	92.48778	3.865	30.7038	1020.9506	0.000e+00				
>	1244	3.896	44.556014	22.0794	20.37977	22.14278	7.8495	4.561e-01	0.112
6.73847	92.47921	3.875	30.7291	1020.9715	-9.990e-29				
>	1245	3.896	44.547529	22.0833	20.37977	22.14278	7.7860	4.528e-01	0.097
6.73907	92.48897	3.875	30.7198	1020.9634	-9.990e-29				
>	1246	3.905	44.573578	22.0804	20.36693	22.14278	7.8071	4.511e-01	0.081
6.73555	92.44768	3.884	30.7419	1020.9810	0.000e+00				
>	1247	3.933	44.583290	22.0728	20.37977	22.14278	7.9764	4.413e-01	0.073
6.74054	92.51046	3.911	30.7548	1020.9930	0.000e+00				
>	1248	3.943	44.600046	22.0551	20.35409	22.14278	7.9976	4.285e-01	0.066
6.73826	92.46327	3.921	30.7802	1021.0172	0.000e+00				
>	1249	3.961	44.684344	22.0458	20.35409	22.14278	7.8706	4.130e-01	0.064
6.74028	92.51399	3.939	30.8518	1021.0741	0.000e+00				
>	1250	3.989	44.686236	22.0493	20.35409	22.14278	7.8071	3.996e-01	0.066
6.73914	92.50353	3.967	30.8508	1021.0725	0.000e+00				
>	1251	4.017	44.643651	22.0526	20.36693	22.14278	7.7437	3.796e-01	0.073
6.74534	92.57520	3.995	30.8156	1021.0450	0.000e+00				
>	1252	4.055	44.761517	22.0132	20.36693	22.14278	7.7437	3.672e-01	0.085
6.74800	92.60997	4.033	30.9346	1021.1462	0.000e+00				
>	1253	4.092	44.854174	21.9864	20.36693	22.14278	7.7648	3.488e-01	0.103
6.74864	92.62277	4.069	31.0253	1021.2224	0.000e+00				
>	1254	4.120	44.908493	21.9881	20.36693	22.14278	7.8283	3.326e-01	0.120
6.74849	92.64550	4.097	31.0660	1021.2530	0.000e+00				
>	1255	4.148	44.871754	22.0071	20.36693	22.14278	7.7860	3.206e-01	0.137
6.74620	92.62330	4.125	31.0240	1021.2161	0.000e+00				
>	1256	4.167	44.814523	21.9934	20.37977	22.14278	7.7225	3.067e-01	0.155
6.75332	92.67953	4.144	30.9896	1021.1938	0.000e+00				
>	1257	4.195	44.879639	21.9860	20.37977	22.14278	7.7013	2.957e-01	0.170
6.74777	92.62089	4.172	31.0452	1021.2381	0.000e+00				
>	1258	4.214	44.907342	21.9829	20.35409	22.14278	7.7225	2.860e-01	0.184
6.73320	92.42839	4.191	31.0688	1021.2570	0.000e+00				
>	1259	4.242	44.906598	21.9809	20.36693	22.14278	7.6802	2.747e-01	0.194
6.73274	92.41928	4.219	31.0697	1021.2583	0.000e+00				
>	1260	4.261	44.911469	21.9860	20.36693	22.14278	7.6802	2.638e-01	0.202
6.72894	92.37559	4.238	31.0698	1021.2570	0.000e+00				
>	1261	4.298	44.891611	21.9928	20.35409	22.13469	7.7225	2.543e-01	0.210
6.72359	92.30263	4.274	31.0495	1021.2400	0.000e+00				
>	1262	4.317	44.899123	21.9848	20.36693	22.14278	7.6802	2.425e-01	0.213

6.72548	92.32143	4.293	31.0611	1021.2510	0.000e+00				
>	1263	4.345	44.875511	21.9992	20.35409	22.14278	7.7225	2.329e-01	0.214
6.71909	92.24242	4.321	31.0325	1021.2255	0.000e+00				
>	1264	4.373	44.837337	22.0040	20.34124	22.14278	7.7648	2.253e-01	0.216
6.71368	92.15851	4.349	30.9996	1021.1994	0.000e+00				
>	1265	4.382	44.813480	22.0177	20.32840	22.14278	7.7437	2.180e-01	0.212
6.70906	92.10269	4.358	30.9714	1021.1743	0.000e+00				
>	1266	4.392	44.820133	21.9991	20.31556	22.14278	7.8495	2.140e-01	0.204
6.70726	92.05698	4.368	30.9898	1021.1934	0.000e+00				
>	1267	4.401	44.838081	22.0033	20.31556	22.13469	7.7437	2.109e-01	0.195
6.70755	92.07378	4.377	31.0006	1021.2005	-9.990e-29				
>	1268	4.401	44.824256	22.0081	20.31556	22.13469	7.6590	2.078e-01	0.182
6.71208	92.13633	4.377	30.9865	1021.1885	-9.990e-29				
>	1269	4.411	44.811624	22.0077	20.31556	22.14278	7.6378	2.063e-01	0.169
6.71352	92.15043	4.387	30.9771	1021.1814	-9.990e-29				
>	1270	4.411	44.824628	22.0071	20.31556	22.14278	7.6378	2.048e-01	0.157
6.71910	92.23162	4.387	30.9875	1021.1895	-9.990e-29				
>	1271	4.420	44.808986	22.0093	20.31556	22.14278	7.5955	2.040e-01	0.144
6.72419	92.29778	4.396	30.9739	1021.1786	0.000e+00				
>	1272	4.429	44.808912	22.0108	20.30272	22.14278	7.5320	2.025e-01	0.132
6.72376	92.29377	4.405	30.9728	1021.1774	0.000e+00				
>	1273	4.439	44.818386	22.0105	20.30272	22.13469	7.5109	1.988e-01	0.120
6.72673	92.33812	4.415	30.9803	1021.1832	0.000e+00				
>	1274	4.457	44.804453	22.0136	20.28987	22.13469	7.5955	1.945e-01	0.110
6.72450	92.30569	4.432	30.9673	1021.1726	0.000e+00				
>	1275	4.485	44.782017	22.0210	20.30272	22.13469	7.5320	1.896e-01	0.102
6.73059	92.38944	4.460	30.9447	1021.1536	0.000e+00				
>	1276	4.514	44.787997	22.0172	20.32840	22.13469	7.4897	1.847e-01	0.099
6.74001	92.51642	4.489	30.9520	1021.1603	0.000e+00				
>	1277	4.551	44.796987	22.0120	20.30272	22.13469	7.5109	1.787e-01	0.099
6.73236	92.40835	4.526	30.9627	1021.1699	0.000e+00				
>	1278	4.579	44.811996	22.0107	20.34124	22.13469	7.4897	1.717e-01	0.105
6.74414	92.57464	4.554	30.9752	1021.1799	0.000e+00				
>	1279	4.617	44.800703	22.0040	20.31556	22.13469	7.3628	1.642e-01	0.114
6.73745	92.46957	4.592	30.9712	1021.1789	0.000e+00				
>	1280	4.673	44.833362	22.0043	20.31556	22.13469	7.3839	1.572e-01	0.131
6.73985	92.51646	4.647	30.9962	1021.1980	0.000e+00				
>	1281	4.701	44.840349	22.0031	20.30272	22.12659	7.4686	1.515e-01	0.151
6.73723	92.48176	4.675	31.0025	1021.2032	0.000e+00				
>	1282	4.748	44.843323	22.0004	20.31556	22.12659	7.4897	1.450e-01	0.174
6.74166	92.54031	4.722	31.0067	1021.2074	0.000e+00				
>	1283	4.785	44.863172	21.9928	20.32840	22.12659	7.4686	1.392e-01	0.197
6.74568	92.59402	4.759	31.0274	1021.2253	0.000e+00				
>	1284	4.813	44.879938	21.9899	20.31556	22.12659	7.4474	1.337e-01	0.219
6.74009	92.52057	4.787	31.0424	1021.2377	0.000e+00				
>	1285	4.851	44.881872	21.9897	20.31556	22.12659	7.5320	1.279e-01	0.238
6.74027	92.52350	4.824	31.0441	1021.2391	0.000e+00				
>	1286	4.860	44.860791	22.0064	20.30272	22.12659	7.4474	1.224e-01	0.252

6.73315	92.43850	4.833	31.0158	1021.2132	0.000e+00				
>	1287	4.879	44.817904	22.0108	20.31556	22.12659	7.4686	1.180e-01	0.259
6.73837	92.49803	4.852	30.9796	1021.1845	0.000e+00				
>	1288	4.897	44.817905	22.0047	20.34124	22.12659	7.4474	1.137e-01	0.263
6.74675	92.60515	4.870	30.9839	1021.1896	0.000e+00				
>	1289	4.907	44.834515	22.0039	20.32840	22.12659	7.7225	1.105e-01	0.259
6.73970	92.51430	4.880	30.9973	1021.2000	0.000e+00				
>	1290	4.916	44.827975	22.0053	20.32840	22.11850	7.6167	1.076e-01	0.250
6.73755	92.48389	4.889	30.9913	1021.1951	0.000e+00				
>	1291	4.935	44.823516	22.0079	20.34124	22.11850	7.5744	1.049e-01	0.238
6.74083	92.53038	4.908	30.9859	1021.1904	0.000e+00				
>	1292	4.982	44.810511	22.0116	20.32840	22.11850	7.5109	1.026e-01	0.228
6.73583	92.46110	4.955	30.9732	1021.1800	0.000e+00				
>	1293	5.019	44.802933	22.0116	20.31556	22.11850	7.4897	9.929e-02	0.220
6.73265	92.41420	4.991	30.9674	1021.1757	0.000e+00				
>	1294	5.075	44.845407	21.9903	20.32840	22.11850	7.5744	9.641e-02	0.217
6.73775	92.47446	5.047	31.0154	1021.2182	0.000e+00				
>	1295	5.122	44.893511	21.9862	20.30272	22.11040	7.5320	9.259e-02	0.216
6.72895	92.36841	5.094	31.0555	1021.2499	0.000e+00				
>	1296	5.169	44.888603	21.9874	20.31556	22.11850	7.5320	8.893e-02	0.218
6.73075	92.39265	5.141	31.0508	1021.2462	0.000e+00				
>	1297	5.197	44.891987	21.9870	20.30272	22.11040	7.4686	8.572e-02	0.224
6.73133	92.40148	5.168	31.0537	1021.2487	0.000e+00				
>	1298	5.235	44.889384	21.9876	20.30272	22.11850	7.5109	8.262e-02	0.230
6.73186	92.40851	5.206	31.0513	1021.2468	0.000e+00				
>	1299	5.263	44.878525	22.0063	20.31556	22.11040	7.5532	8.023e-02	0.239
6.73635	92.48960	5.234	31.0295	1021.2253	-9.990e-29				
>	1300	5.263	44.808172	22.0116	20.30272	22.11040	7.4897	7.705e-02	0.244
6.73452	92.44205	5.234	30.9714	1021.1798	-9.990e-29				
>	1301	5.272	44.827383	22.0000	20.32840	22.11040	7.4051	7.510e-02	0.246
6.74402	92.56549	5.243	30.9945	1021.2005	0.000e+00				
>	1302	5.281	44.863546	21.9926	20.31556	22.11040	7.3628	7.265e-02	0.248
6.73974	92.51232	5.252	31.0277	1021.2278	0.000e+00				
>	1303	5.300	44.874773	21.9911	20.32840	22.11040	7.4474	7.081e-02	0.245
6.74425	92.57690	5.271	31.0374	1021.2357	0.000e+00				
>	1304	5.319	44.878899	21.9905	20.31556	22.11040	7.4474	6.901e-02	0.240
6.73756	92.48604	5.290	31.0411	1021.2386	0.000e+00				
>	1305	5.366	44.880015	21.9899	20.32840	22.11040	7.4262	6.751e-02	0.237
6.74380	92.57143	5.336	31.0423	1021.2400	0.000e+00				
>	1306	5.403	44.881873	21.9959	20.32840	22.11040	7.4897	6.555e-02	0.233
6.74319	92.57151	5.373	31.0395	1021.2363	0.000e+00				
>	1307	5.441	44.823518	22.0079	20.31556	22.11040	7.4262	6.365e-02	0.226
6.73766	92.48670	5.411	30.9858	1021.1925	0.000e+00				
>	1308	5.478	44.859792	21.9940	20.30272	22.11040	7.4051	6.181e-02	0.218
6.73255	92.41375	5.448	31.0237	1021.2252	0.000e+00				
>	1309	5.534	44.909244	21.9852	20.30272	22.11040	7.3839	5.980e-02	0.217
6.73071	92.39772	5.504	31.0682	1021.2616	0.000e+00				
>	1310	5.572	44.935132	21.9831	20.31556	22.10231	7.3839	5.871e-02	0.217

6.73875	92.51624	5.541	31.0897	1021.2787	0.000e+00				
>	1311	5.590	44.926874	21.9847	20.30272	22.10231	7.4051	5.659e-02	0.219
6.73300	92.43590	5.559	31.0822	1021.2726	0.000e+00				
>	1312	5.609	44.912628	21.9893	20.30272	22.10231	7.4897	5.475e-02	0.222
6.73438	92.45489	5.578	31.0679	1021.2606	-9.990e-29				
>	1313	5.609	44.901768	21.9901	20.32840	22.10231	7.4474	5.317e-02	0.224
6.74203	92.55637	5.578	31.0589	1021.2536	-9.990e-29				
>	1314	5.609	44.899872	21.9909	20.32840	22.10231	7.4262	5.201e-02	0.223
6.74249	92.56295	5.578	31.0569	1021.2518	-9.990e-29				
>	1315	5.609	44.899872	21.9909	20.31556	22.10231	7.4686	5.069e-02	0.219
6.74038	92.53402	5.578	31.0569	1021.2518	-9.990e-29				
>	1316	5.600	44.901024	21.9911	20.30272	22.10231	7.4474	4.995e-02	0.212
6.73821	92.50487	5.569	31.0576	1021.2523	-9.990e-29				
>	1317	5.600	44.894628	21.9934	20.31556	22.10231	7.5109	4.868e-02	0.199
6.74157	92.55126	5.569	31.0510	1021.2467	-9.990e-29				
>	1318	5.619	44.890501	21.9899	20.32840	22.10231	7.4262	4.797e-02	0.183
6.74409	92.57975	5.588	31.0504	1021.2472	0.000e+00				
>	1319	5.628	44.904000	21.9895	20.30272	22.10231	7.4474	4.727e-02	0.164
6.73430	92.45043	5.597	31.0611	1021.2554	0.000e+00				
>	1320	5.665	44.899872	21.9909	20.31556	22.09421	7.3839	4.624e-02	0.147
6.73658	92.48172	5.634	31.0569	1021.2520	0.000e+00				
>	1321	5.694	44.900244	21.9916	20.30272	22.10231	7.4686	4.506e-02	0.131
6.72865	92.37399	5.663	31.0566	1021.2518	0.000e+00				
>	1322	5.731	44.873171	22.0210	20.30272	22.09421	7.4474	4.441e-02	0.121
6.72967	92.41445	5.699	31.0147	1021.2121	0.000e+00				
>	1323	5.759	44.741582	22.0421	20.31556	22.09421	7.4051	4.344e-02	0.116
6.73917	92.51745	5.727	30.8981	1021.1180	0.000e+00				
>	1324	5.787	44.716859	22.0445	20.32840	22.09421	7.4262	4.265e-02	0.114
6.74630	92.60817	5.755	30.8773	1021.1017	0.000e+00				
>	1325	5.815	44.740061	22.0345	20.31556	22.09421	7.3628	4.156e-02	0.116
6.74058	92.52634	5.783	30.9023	1021.1235	0.000e+00				
>	1326	5.834	44.758031	22.0311	20.30272	22.10231	7.4051	4.066e-02	0.125
6.73550	92.45970	5.802	30.9186	1021.1369	-9.990e-29				
>	1327	5.834	44.764864	22.0301	20.30272	22.08612	7.4686	3.992e-02	0.135
6.74219	92.55310	5.802	30.9246	1021.1417	-9.990e-29				
>	1328	5.825	44.775671	22.0283	20.28987	22.08612	7.4686	3.905e-02	0.141
6.73845	92.50397	5.793	30.9342	1021.1494	-9.990e-29				
>	1329	5.825	44.777936	22.0255	20.30272	22.08612	7.4262	3.848e-02	0.146
6.74490	92.58982	5.793	30.9379	1021.1531	-9.990e-29				
>	1330	5.825	44.782393	22.0274	20.31556	22.09421	7.4262	3.778e-02	0.147
6.74881	92.64780	5.793	30.9400	1021.1541	-9.990e-29				
>	1331	5.815	44.777528	22.0270	20.32840	22.08612	7.4686	3.709e-02	0.142
6.75585	92.74181	5.783	30.9365	1021.1516	-9.990e-29				
>	1332	5.815	44.773776	22.0295	20.32840	22.08612	7.4474	3.682e-02	0.133
6.75767	92.76845	5.783	30.9319	1021.1473	-9.990e-29				
>	1333	5.834	44.764009	22.0324	20.30272	22.09421	7.3628	3.628e-02	0.121
6.75068	92.67226	5.802	30.9223	1021.1393	0.000e+00				
>	1334	5.862	44.753538	22.0344	20.31556	22.08612	7.3628	3.562e-02	0.109

6.75812	92.77264	5.830	30.9127	1021.1317	0.000e+00				
>	1335	5.871	44.757772	22.0293	20.32840	22.08612	7.4262	3.497e-02	0.097
6.76262	92.82952	5.839	30.9196	1021.1384	0.000e+00				
>	1336	5.909	44.775300	22.0270	20.32840	22.08612	7.4686	3.459e-02	0.087
6.76158	92.81954	5.876	30.9348	1021.1506	0.000e+00				
>	1337	5.918	44.780165	22.0287	20.32840	22.08612	7.4262	3.421e-02	0.080
6.75970	92.79804	5.885	30.9373	1021.1521	0.000e+00				
>	1338	5.937	44.777194	22.0272	20.34124	22.09421	7.5109	3.359e-02	0.076
6.76058	92.80687	5.904	30.9361	1021.1517	0.000e+00				
>	1339	5.965	44.787631	22.0241	20.34124	22.07802	7.4686	3.310e-02	0.078
6.76663	92.89023	5.932	30.9464	1021.1604	0.000e+00				
>	1340	5.984	44.767760	22.0347	20.34124	22.08612	7.4262	3.250e-02	0.083
6.76385	92.85757	5.951	30.9235	1021.1403	0.000e+00				
>	1341	6.012	44.741732	22.0386	20.34124	22.07802	7.5320	3.214e-02	0.093
6.76504	92.86800	5.979	30.9006	1021.1220	0.000e+00				
>	1342	6.031	44.746075	22.0408	20.34124	22.08612	7.4262	3.155e-02	0.107
6.75923	92.79290	5.998	30.9024	1021.1228	-9.990e-29				
>	1343	6.031	44.725843	22.0448	20.34124	22.08612	7.6590	3.109e-02	0.120
6.75781	92.77023	5.998	30.8839	1021.1077	-9.990e-29				
>	1344	6.049	44.711628	22.0433	20.34124	22.07802	7.5955	3.053e-02	0.132
6.75948	92.78531	6.016	30.8740	1021.1007	0.000e+00				
>	1345	6.059	44.720609	22.0473	20.35409	22.07802	7.5532	3.008e-02	0.139
6.76082	92.81260	6.026	30.8781	1021.1027	0.000e+00				
>	1346	6.087	44.710811	22.0460	20.34124	22.07802	7.5320	2.943e-02	0.147
6.75600	92.74060	6.053	30.8715	1021.0982	0.000e+00				
>	1347	6.106	44.718754	22.0402	20.37977	22.07802	7.4897	2.889e-02	0.152
6.76960	92.92306	6.072	30.8817	1021.1076	0.000e+00				
>	1348	6.124	44.849686	21.9870	20.34124	22.08612	7.4686	2.857e-02	0.153
6.75798	92.74946	6.090	31.0207	1021.2277	0.000e+00				
>	1349	6.162	44.924233	21.9988	20.34124	22.07802	7.4686	2.805e-02	0.154
6.75696	92.78186	6.128	31.0699	1021.2619	0.000e+00				
>	1350	6.190	44.843138	22.0326	20.34124	22.08612	7.4686	2.754e-02	0.155
6.75311	92.73871	6.156	30.9831	1021.1869	0.000e+00				
>	1351	6.218	44.681013	22.0594	20.35409	22.07802	7.4897	2.704e-02	0.159
6.75980	92.79769	6.184	30.8389	1021.0704	0.000e+00				
>	1352	6.246	44.706694	22.0340	20.35409	22.08612	7.4262	2.675e-02	0.162
6.75991	92.77709	6.212	30.8768	1021.1062	0.000e+00				
>	1353	6.284	44.715747	22.0528	20.34124	22.08612	7.5109	2.616e-02	0.171
6.75061	92.67746	6.249	30.8704	1021.0963	0.000e+00				
>	1354	6.302	44.628008	22.0763	20.35409	22.08612	7.5320	2.578e-02	0.176
6.75375	92.71443	6.267	30.7861	1021.0261	0.000e+00				
>	1355	6.331	44.578443	22.0859	20.35409	22.08612	7.4897	2.531e-02	0.182
6.75186	92.68032	6.296	30.7411	1020.9894	0.000e+00				
>	1356	6.368	44.550910	22.0909	20.35409	22.07802	7.5744	2.467e-02	0.191
6.75869	92.76907	6.333	30.7163	1020.9695	0.000e+00				
>	1357	6.377	44.570253	22.0833	20.36693	22.07802	7.5109	2.431e-02	0.196
6.76271	92.82246	6.342	30.7366	1020.9870	0.000e+00				
>	1358	6.396	44.598163	22.0790	20.35409	22.08612	7.5109	2.395e-02	0.202

6.75845	92.77004	6.361	30.7611	1021.0068	0.000e+00				
>	1359	6.415	44.583669	22.0862	20.35409	22.08612	7.5320	2.335e-02	0.207
6.75934	92.78551	6.380	30.7449	1020.9926	0.000e+00				
>	1360	6.424	44.554246	22.0823	20.35409	22.07802	7.5109	2.309e-02	0.205
6.76464	92.84094	6.389	30.7249	1020.9786	-9.990e-29				
>	1361	6.415	44.588488	22.0800	20.34124	22.07802	7.5109	2.267e-02	0.198
6.76026	92.79205	6.380	30.7530	1021.0004	-9.990e-29				
>	1362	6.434	44.591120	22.0822	20.34124	22.07802	7.5955	2.226e-02	0.188
6.76025	92.79592	6.399	30.7534	1021.0003	-9.990e-29				
>	1363	6.434	44.585523	22.0818	20.34124	22.08612	7.4897	2.193e-02	0.176
6.76029	92.79355	6.399	30.7494	1020.9973	-9.990e-29				
>	1364	6.443	44.601537	22.0746	20.36693	22.08612	7.6590	2.161e-02	0.161
6.76765	92.89195	6.408	30.7668	1021.0126	0.000e+00				
>	1365	6.452	44.630049	22.0651	20.35409	22.08612	7.5532	2.114e-02	0.145
6.76337	92.83279	6.416	30.7955	1021.0370	0.000e+00				
>	1366	6.471	44.639209	22.0653	20.37977	22.08612	7.4897	2.083e-02	0.132
6.77405	92.98345	6.435	30.8024	1021.0422	0.000e+00				
>	1367	6.490	44.636947	22.0670	20.37977	22.09421	7.5109	2.060e-02	0.121
6.77306	92.97110	6.454	30.7995	1021.0396	0.000e+00				
>	1368	6.527	44.655232	22.0575	20.37977	22.08612	7.5320	2.023e-02	0.115
6.77428	92.98320	6.491	30.8203	1021.0582	0.000e+00				
>	1369	6.555	44.679864	22.0575	20.36693	22.09421	7.5109	1.993e-02	0.112
6.76654	92.88727	6.519	30.8393	1021.0727	0.000e+00				
>	1370	6.584	44.649630	22.0717	20.37977	22.08612	7.4686	1.964e-02	0.114
6.76730	92.90337	6.548	30.8059	1021.0436	0.000e+00				
>	1371	6.621	44.600797	22.0685	20.37977	22.08612	7.5320	1.914e-02	0.119
6.76754	92.88219	6.585	30.7705	1021.0178	0.000e+00				
>	1372	6.640	44.698567	22.0446	20.35409	22.08612	7.5532	1.880e-02	0.126
6.75550	92.72672	6.603	30.8628	1021.0944	0.000e+00				
>	1373	6.668	44.695931	22.0545	20.36693	22.09421	7.5532	1.852e-02	0.138
6.75762	92.76750	6.631	30.8538	1021.0850	0.000e+00				
>	1374	6.687	44.659721	22.0615	20.37977	22.08612	7.5744	1.825e-02	0.149
6.76114	92.80991	6.650	30.8209	1021.0582	0.000e+00				
>	1375	6.696	44.678790	22.0495	20.37977	22.08612	7.6590	1.792e-02	0.158
6.76379	92.83871	6.659	30.8441	1021.0791	0.000e+00				
>	1376	6.715	44.676899	22.0446	20.36693	22.08612	7.7225	1.772e-02	0.168
6.76053	92.78681	6.678	30.8461	1021.0821	-9.990e-29				
>	1377	6.715	44.732416	22.0452	20.36693	22.08612	7.7225	1.759e-02	0.173
6.75658	92.75642	6.678	30.8885	1021.1141	-9.990e-29				
>	1378	6.715	44.713152	22.0443	20.35409	22.08612	7.7013	1.759e-02	0.172
6.75382	92.70937	6.678	30.8743	1021.1035	-9.990e-29				
>	1379	6.724	44.709402	22.0528	20.37977	22.08612	7.7437	1.753e-02	0.169
6.76095	92.81673	6.687	30.8653	1021.0945	-9.990e-29				
>	1380	6.724	44.685839	22.0548	20.36693	22.09421	7.7013	1.753e-02	0.160
6.75541	92.73341	6.687	30.8458	1021.0791	-9.990e-29				
>	1381	6.733	44.681015	22.0548	20.37977	22.09421	7.7013	1.753e-02	0.149
6.75700	92.75321	6.696	30.8420	1021.0763	0.000e+00				
>	1382	6.752	44.689587	22.0522	20.36693	22.09421	7.7437	1.753e-02	0.137

6.75144	92.67712	6.715	30.8505	1021.0835	0.000e+00				
>	1383	6.771	44.689216	22.0520	20.37977	22.09421	7.7013	1.753e-02	0.125
6.75614	92.74114	6.734	30.8503	1021.0835	0.000e+00				
>	1384	6.799	44.693296	22.0612	20.36693	22.09421	7.7013	1.753e-02	0.114
6.75259	92.70606	6.762	30.8469	1021.0785	0.000e+00				
>	1385	6.827	44.589971	22.0933	20.34124	22.09421	7.7225	1.753e-02	0.109
6.74373	92.58289	6.789	30.7446	1020.9922	0.000e+00				
>	1386	6.855	44.498868	22.1096	20.37977	22.09421	7.5744	1.753e-02	0.108
6.75666	92.74364	6.817	30.6629	1020.9260	0.000e+00				
>	1387	6.883	44.469914	22.1156	20.35409	22.09421	7.6378	1.753e-02	0.110
6.74887	92.63251	6.845	30.6364	1020.9043	0.000e+00				
>	1388	6.930	44.485504	22.0904	20.35409	22.10231	7.6167	1.753e-02	0.119
6.75215	92.65144	6.892	30.6661	1020.9340	0.000e+00				
>	1389	6.949	44.566510	22.1047	20.35409	22.10231	7.6590	1.753e-02	0.130
6.74992	92.67292	6.911	30.7184	1020.9698	0.000e+00				
>	1390	6.986	44.469914	22.1185	20.35409	22.09421	7.6167	1.753e-02	0.144
6.75602	92.73444	6.948	30.6343	1020.9024	0.000e+00				
>	1391	7.005	44.448668	22.1191	20.35409	22.09421	7.6590	1.753e-02	0.159
6.75981	92.77840	6.966	30.6175	1020.8896	0.000e+00				
>	1392	7.033	44.468027	22.1122	20.36693	22.10231	7.7013	1.753e-02	0.174
6.76594	92.86154	6.994	30.6373	1020.9066	0.000e+00				
>	1393	7.052	44.484797	22.1156	20.36693	22.10231	7.6802	1.753e-02	0.188
6.76788	92.89957	7.013	30.6478	1020.9137	0.000e+00				
>	1394	7.061	44.466547	22.1106	20.35409	22.10231	7.9129	1.753e-02	0.198
6.76427	92.83604	7.022	30.6373	1020.9072	0.000e+00				
>	1395	7.071	44.508535	22.1057	20.37977	22.10231	7.7648	1.753e-02	0.201
6.77426	92.98421	7.032	30.6730	1020.9357	0.000e+00				
>	1396	7.080	44.500350	22.1081	20.36693	22.10231	7.6167	1.753e-02	0.201
6.77025	92.92885	7.041	30.6650	1020.9290	-9.990e-29				
>	1397	7.080	44.483688	22.1080	20.37977	22.11040	7.5955	1.753e-02	0.194
6.77336	92.96449	7.041	30.6523	1020.9193	-9.990e-29				
>	1398	7.090	44.498129	22.1057	20.37977	22.10231	7.6802	1.753e-02	0.184
6.77409	92.97753	7.051	30.6650	1020.9297	0.000e+00				
>	1399	7.099	44.503054	22.1051	20.39261	22.10231	7.6378	1.753e-02	0.171
6.77580	93.00223	7.060	30.6692	1020.9331	0.000e+00				
>	1400	7.118	44.500721	22.1073	20.37977	22.10231	7.6167	1.753e-02	0.157
6.77114	92.94018	7.079	30.6659	1020.9300	0.000e+00				
>	1401	7.136	44.493648	22.1073	20.39261	22.10231	7.5744	1.753e-02	0.144
6.77500	92.99017	7.097	30.6604	1020.9259	0.000e+00				
>	1402	7.146	44.500832	22.1074	20.39261	22.10231	7.5955	1.753e-02	0.132
6.77376	92.97638	7.107	30.6659	1020.9301	0.000e+00				
>	1403	7.165	44.496647	22.1085	20.37977	22.10231	7.5955	1.753e-02	0.121
6.76661	92.87780	7.126	30.6619	1020.9268	0.000e+00				
>	1404	7.193	44.485872	22.1145	20.39261	22.10231	7.6167	1.753e-02	0.113
6.77015	92.92980	7.153	30.6493	1020.9158	0.000e+00				
>	1405	7.221	44.464326	22.1160	20.39261	22.10231	7.6378	1.753e-02	0.112
6.76997	92.92026	7.181	30.6317	1020.9022	0.000e+00				
>	1406	7.249	44.457995	22.1217	20.39261	22.11040	7.7437	1.753e-02	0.113

6.76691	92.88306	7.209	30.6228	1020.8940	0.000e+00				
>	1407	7.277	44.448742	22.1220	20.37977	22.11040	7.7013	1.753e-02	0.119
6.76306	92.82665	7.237	30.6155	1020.8885	0.000e+00				
>	1408	7.314	44.437158	22.1271	20.40546	22.11040	7.7225	1.753e-02	0.128
6.77274	92.96136	7.274	30.6030	1020.8777	0.000e+00				
>	1409	7.352	44.421912	22.1330	20.39261	22.11040	7.7013	1.753e-02	0.143
6.76785	92.89552	7.311	30.5871	1020.8642	0.000e+00				
>	1410	7.380	44.406669	22.1349	20.39261	22.11040	7.8495	1.753e-02	0.159
6.76759	92.88809	7.339	30.5740	1020.8539	0.000e+00				
>	1411	7.408	44.396238	22.1357	20.39261	22.11040	7.7225	1.753e-02	0.174
6.76867	92.89968	7.367	30.5654	1020.8473	0.000e+00				
>	1412	7.436	44.399604	22.1359	20.39261	22.11040	7.7648	1.753e-02	0.189
6.76638	92.86990	7.395	30.5679	1020.8492	-9.990e-29				
>	1413	7.436	44.406892	22.1333	20.40546	22.11040	7.7860	1.753e-02	0.198
6.76995	92.91855	7.395	30.5753	1020.8556	-9.990e-29				
>	1414	7.446	44.416142	22.1234	20.39261	22.11040	7.8283	1.753e-02	0.202
6.76715	92.87115	7.405	30.5894	1020.8690	0.000e+00				
>	1415	7.455	44.449039	22.1253	20.40546	22.11850	7.7860	1.753e-02	0.201
6.76902	92.91295	7.414	30.6133	1020.8867	0.000e+00				
>	1416	7.464	44.438639	22.1258	20.40546	22.11040	7.7648	1.753e-02	0.197
6.77082	92.93396	7.423	30.6050	1020.8803	0.000e+00				
>	1417	7.483	44.430202	22.1250	20.40546	22.11040	7.8918	1.753e-02	0.192
6.77238	92.95080	7.442	30.5990	1020.8761	0.000e+00				
>	1418	7.511	44.451298	22.1172	20.39261	22.11850	7.7648	1.753e-02	0.187
6.76659	92.87001	7.470	30.6207	1020.8948	0.000e+00				
>	1419	7.539	44.478839	22.1161	20.40546	22.11850	7.7648	1.753e-02	0.181
6.76972	92.92299	7.497	30.6427	1020.9119	0.000e+00				
>	1420	7.577	44.450187	22.1201	20.39261	22.11850	7.7648	1.753e-02	0.176
6.76379	92.83488	7.535	30.6178	1020.8921	0.000e+00				
>	1421	7.605	44.430942	22.1349	20.39261	22.11850	7.7648	1.753e-02	0.173
6.76049	92.80070	7.563	30.5926	1020.8690	0.000e+00				
>	1422	7.643	44.386214	22.1407	20.40546	22.11850	7.7225	1.753e-02	0.172
6.76628	92.86915	7.601	30.5541	1020.8384	0.000e+00				
>	1423	7.671	44.378743	22.1425	20.40546	22.11850	7.8283	1.753e-02	0.173
6.76428	92.84094	7.629	30.5471	1020.8327	0.000e+00				
>	1424	7.708	44.371384	22.1417	20.41830	22.11850	7.8918	1.753e-02	0.176
6.77113	92.93088	7.666	30.5420	1020.8292	0.000e+00				
>	1425	7.736	44.370644	22.1474	20.40546	22.11850	7.9129	1.753e-02	0.182
6.76818	92.89743	7.693	30.5374	1020.8243	0.000e+00				
>	1426	7.764	44.357998	22.1472	20.40546	22.12659	7.8918	1.753e-02	0.190
6.76759	92.88378	7.721	30.5278	1020.8172	0.000e+00				
>	1427	7.793	44.367280	22.1440	20.40546	22.11850	7.8918	1.753e-02	0.200
6.76827	92.89286	7.750	30.5372	1020.8254	-9.990e-29				
>	1428	7.793	44.371384	22.1429	20.39261	22.11850	7.8706	1.753e-02	0.206
6.76567	92.85748	7.750	30.5411	1020.8286	-9.990e-29				
>	1429	7.793	44.375822	22.1425	20.39261	22.12659	7.8706	1.753e-02	0.210
6.76406	92.83659	7.750	30.5448	1020.8315	-9.990e-29				
>	1430	7.793	44.375046	22.1414	20.40546	22.12659	7.8918	1.753e-02	0.208

6.76548	92.85446	7.750	30.5450	1020.8320	-9.990e-29				
>	1431	7.783	44.382443	22.1378	20.39261	22.12659	7.8918	1.753e-02	0.198
6.76259	92.81316	7.740	30.5532	1020.8391	-9.990e-29				
>	1432	7.774	44.388435	22.1372	20.41830	22.12659	7.8706	1.753e-02	0.182
6.77208	92.94516	7.731	30.5583	1020.8431	-9.990e-29				
>	1433	7.783	44.389951	22.1398	20.41830	22.12659	7.8283	1.753e-02	0.162
6.77138	92.93946	7.740	30.5576	1020.8419	0.000e+00				
>	1434	7.793	44.372124	22.1464	20.40546	22.13469	7.7648	1.753e-02	0.142
6.76643	92.87269	7.750	30.5392	1020.8262	0.000e+00				
>	1435	7.811	44.362472	22.1448	20.40546	22.13469	7.7860	1.753e-02	0.123
6.76526	92.85056	7.768	30.5329	1020.8220	0.000e+00				
>	1436	7.839	44.366540	22.1437	20.41830	22.12659	7.8918	1.753e-02	0.107
6.77232	92.94771	7.796	30.5368	1020.8254	0.000e+00				
>	1437	7.868	44.384736	22.1385	20.41830	22.13469	7.8706	1.753e-02	0.097
6.76772	92.88544	7.825	30.5545	1020.8403	0.000e+00				
>	1438	7.886	44.408151	22.1346	20.39261	22.13469	7.9129	1.753e-02	0.089
6.75709	92.74411	7.843	30.5752	1020.8571	-9.990e-29				
>	1439	7.886	44.402047	22.1365	20.41830	22.13469	7.8495	1.753e-02	0.082
6.76512	92.85425	7.843	30.5692	1020.8520	-9.990e-29				
>	1440	7.886	44.393909	22.1383	20.41830	22.13469	7.7860	1.753e-02	0.075
6.76176	92.80717	7.843	30.5617	1020.8458	-9.990e-29				
>	1441	7.877	44.382072	22.1448	20.39261	22.13469	7.8283	1.753e-02	0.069
6.75370	92.70000	7.834	30.5480	1020.8337	-9.990e-29				
>	1442	7.877	44.360993	22.1474	20.41830	22.13469	7.9129	1.753e-02	0.065
6.76243	92.81443	7.834	30.5300	1020.8193	-9.990e-29				
>	1443	7.858	44.362843	22.1421	20.39261	22.13469	7.8283	1.753e-02	0.060
6.75444	92.69867	7.815	30.5351	1020.8246	-9.990e-29				
>	1444	7.849	44.382813	22.1372	20.41830	22.14278	7.8495	1.753e-02	0.057
6.76286	92.81617	7.806	30.5539	1020.8401	-9.990e-29				
>	1445	7.830	44.396868	22.1353	20.39261	22.14278	7.8918	1.753e-02	0.049
6.75541	92.71737	7.787	30.5661	1020.8498	-9.990e-29				
>	1446	7.821	44.403157	22.1349	20.40546	22.13469	7.8495	1.753e-02	0.040
6.76396	92.83677	7.778	30.5712	1020.8537	-9.990e-29				
>	1447	7.839	44.401085	22.1357	20.40546	22.14278	8.0188	1.753e-02	0.033
6.76224	92.81327	7.796	30.5690	1020.8519	-9.990e-29				
>	1448	7.849	44.402935	22.1343	20.39261	22.14278	7.9129	1.753e-02	0.024
6.75790	92.75276	7.806	30.5714	1020.8542	-9.990e-29				
>	1449	7.868	44.408891	22.1335	20.40546	22.14278	7.9553	1.753e-02	0.016
6.76501	92.85167	7.825	30.5766	1020.8584	-9.990e-29				
>	1450	7.886	44.402935	22.1363	20.39261	22.15088	7.8706	1.753e-02	0.010
6.75750	92.74977	7.843	30.5700	1020.8527	0.000e+00				
>	1451	7.905	44.389951	22.1379	20.40546	22.14278	7.9341	1.753e-02	0.008
6.76489	92.84786	7.861	30.5589	1020.8439	0.000e+00				
>	1452	7.933	44.388842	22.1373	20.41830	22.14278	7.8918	1.753e-02	0.010
6.76645	92.86815	7.889	30.5584	1020.8439	0.000e+00				
>	1453	7.952	44.392541	22.1358	20.40546	22.15088	7.9553	1.753e-02	0.018
6.76359	92.82837	7.908	30.5623	1020.8473	0.000e+00				
>	1454	7.971	44.405932	22.1327	20.41830	22.15088	7.9129	1.753e-02	0.032

6.76637	92.86818	7.927	30.5748	1020.8577	0.000e+00				
>	1455	7.980	44.408744	22.1343	20.41830	22.15088	7.9553	1.753e-02	0.049
6.76593	92.86527	7.936	30.5758	1020.8581	-9.990e-29				
>	1456	7.980	44.405415	22.1327	20.39261	22.15088	7.9553	1.753e-02	0.063
6.75747	92.74581	7.936	30.5744	1020.8575	-9.990e-29				
>	1457	7.980	44.413369	22.1304	20.41830	22.15088	8.0188	1.753e-02	0.076
6.76443	92.84164	7.936	30.5821	1020.8640	-9.990e-29				
>	1458	8.008	44.423026	22.1273	20.40546	22.15088	7.9341	1.753e-02	0.090
6.75859	92.76141	7.964	30.5917	1020.8722	-9.990e-29				
>	1459	8.008	44.429464	22.1267	20.40546	22.15897	7.8918	1.753e-02	0.101
6.75525	92.71753	7.964	30.5971	1020.8764	-9.990e-29				
>	1460	7.999	44.434164	22.1261	20.39261	22.15897	8.0611	1.753e-02	0.105
6.74920	92.63561	7.955	30.6012	1020.8796	-9.990e-29				
>	1461	8.008	44.427836	22.1309	20.41830	22.15897	7.9553	1.753e-02	0.106
6.75872	92.76989	7.964	30.5929	1020.8721	0.000e+00				
>	1462	8.018	44.411112	22.1325	20.40546	22.15897	7.9129	1.753e-02	0.102
6.75339	92.69190	7.974	30.5789	1020.8611	0.000e+00				
>	1463	8.036	44.396240	22.1400	20.40546	22.15897	7.8918	1.753e-02	0.095
6.75324	92.69332	7.992	30.5622	1020.8465	0.000e+00				
>	1464	8.055	44.381408	22.1407	20.40546	22.15897	7.8706	1.753e-02	0.091
6.75429	92.70250	8.011	30.5503	1020.8373	0.000e+00				
>	1465	8.074	44.383998	22.1370	20.40546	22.15897	7.8918	1.753e-02	0.087
6.75403	92.69522	8.029	30.5549	1020.8419	0.000e+00				
>	1466	8.102	44.404786	22.1341	20.39261	22.15897	7.8706	1.753e-02	0.086
6.75035	92.64953	8.057	30.5729	1020.8565	0.000e+00				
>	1467	8.130	44.399237	22.1388	20.40546	22.15897	7.8283	1.753e-02	0.089
6.75525	92.72059	8.085	30.5653	1020.8496	0.000e+00				
>	1468	8.149	44.381038	22.1417	20.39261	22.16707	7.9341	1.753e-02	0.092
6.75063	92.65339	8.104	30.5493	1020.8367	0.000e+00				
>	1469	8.158	44.383628	22.1406	20.40546	22.15897	7.9764	1.753e-02	0.098
6.75603	92.72709	8.113	30.5521	1020.8391	0.000e+00				
>	1470	8.168	44.382518	22.1400	20.39261	22.15897	7.9341	1.753e-02	0.104
6.75555	92.71939	8.123	30.5516	1020.8390	0.000e+00				
>	1471	8.177	44.389583	22.1366	20.39261	22.16707	7.9764	1.753e-02	0.110
6.75374	92.69308	8.132	30.5594	1020.8459	-9.990e-29				
>	1472	8.177	44.401457	22.1327	20.39261	22.16707	7.9341	1.753e-02	0.114
6.75489	92.70874	8.132	30.5713	1020.8560	-9.990e-29				
>	1473	8.186	44.410003	22.1311	20.40546	22.16707	7.8706	1.753e-02	0.116
6.76016	92.78241	8.141	30.5790	1020.8623	0.000e+00				
>	1474	8.196	44.422435	22.1281	20.39261	22.16707	7.8706	1.753e-02	0.115
6.75554	92.72036	8.151	30.5907	1020.8720	0.000e+00				
>	1475	8.205	44.428614	22.1283	20.40546	22.15897	7.8071	1.753e-02	0.116
6.76218	92.81428	8.160	30.5953	1020.8755	-9.990e-29				
>	1476	8.205	44.425247	22.1289	20.40546	22.15897	7.9341	1.753e-02	0.114
6.76170	92.80708	8.160	30.5923	1020.8730	-9.990e-29				
>	1477	8.214	44.429095	22.1273	20.40546	22.16707	7.9553	1.753e-02	0.107
6.75976	92.77992	8.169	30.5963	1020.8766	0.000e+00				
>	1478	8.233	44.435275	22.1263	20.41830	22.16707	7.8918	1.753e-02	0.101

6.76485	92.85111	8.188	30.6018	1020.8811	0.000e+00				
>	1479	8.252	44.437903	22.1250	20.39261	22.16707	7.7860	1.753e-02	0.095
6.75570	92.72488	8.207	30.6047	1020.8837	0.000e+00				
>	1480	8.271	44.443565	22.1234	20.40546	22.16707	7.9341	1.753e-02	0.090
6.75651	92.73630	8.225	30.6102	1020.8884	0.000e+00				
>	1481	8.280	44.446822	22.1255	20.40546	22.16707	7.8706	1.753e-02	0.086
6.75548	92.72621	8.234	30.6112	1020.8887	0.000e+00				
>	1482	8.318	44.437163	22.1261	20.39261	22.15897	7.8706	1.753e-02	0.087
6.75230	92.67933	8.272	30.6034	1020.8827	0.000e+00				
>	1483	8.336	44.439864	22.1267	20.41830	22.17516	7.8918	1.753e-02	0.090
6.75566	92.72732	8.290	30.6050	1020.8839	0.000e+00				
>	1484	8.346	44.430465	22.1279	20.39261	22.16707	7.8495	1.753e-02	0.096
6.74824	92.62317	8.300	30.5969	1020.8775	0.000e+00				
>	1485	8.364	44.415405	22.1310	20.40546	22.16707	7.8918	1.753e-02	0.104
6.75227	92.67632	8.318	30.5832	1020.8662	0.000e+00				
>	1486	8.393	44.439013	22.1273	20.40546	22.16707	7.8918	1.753e-02	0.113
6.75324	92.69460	8.347	30.6039	1020.8831	0.000e+00				
>	1487	8.411	44.437644	22.1244	20.40546	22.16707	7.8283	1.753e-02	0.122
6.75502	92.71466	8.365	30.6049	1020.8847	0.000e+00				
>	1488	8.430	44.448673	22.1222	20.37977	22.17516	7.9129	1.753e-02	0.131
6.74352	92.55858	8.384	30.6149	1020.8930	0.000e+00				
>	1489	8.449	44.448673	22.1232	20.40546	22.17516	7.8283	1.753e-02	0.139
6.75217	92.67853	8.402	30.6142	1020.8923	0.000e+00				
>	1490	8.468	44.442826	22.1240	20.39261	22.16707	7.8071	1.753e-02	0.145
6.74849	92.62665	8.421	30.6091	1020.8883	-9.990e-29				
>	1491	8.468	44.445342	22.1228	20.39261	22.16707	7.8283	1.753e-02	0.148
6.74907	92.63414	8.421	30.6119	1020.8908	-9.990e-29				
>	1492	8.468	44.445712	22.1250	20.39261	22.16707	7.8918	1.753e-02	0.147
6.75080	92.66085	8.421	30.6107	1020.8892	-9.990e-29				
>	1493	8.477	44.440975	22.1236	20.39261	22.16707	7.9129	1.753e-02	0.142
6.75180	92.67086	8.430	30.6080	1020.8876	-9.990e-29				
>	1494	8.477	44.459889	22.1189	20.40546	22.17516	7.8918	1.753e-02	0.133
6.75661	92.73866	8.430	30.6259	1020.9024	-9.990e-29				
>	1495	8.477	44.459481	22.1207	20.39261	22.16707	7.9129	1.753e-02	0.123
6.75566	92.72767	8.430	30.6243	1020.9007	-9.990e-29				
>	1496	8.496	44.457631	22.1195	20.39261	22.17516	7.8495	1.753e-02	0.114
6.75637	92.73517	8.449	30.6237	1020.9007	0.000e+00				
>	1497	8.515	44.468403	22.1145	20.39261	22.17516	7.8071	1.753e-02	0.107
6.75570	92.72388	8.468	30.6355	1020.9111	0.000e+00				
>	1498	8.533	44.482953	22.1099	20.37977	22.17516	7.8706	1.753e-02	0.099
6.75325	92.69046	8.486	30.6499	1020.9234	0.000e+00				
>	1499	8.543	44.504061	22.0966	20.40546	22.17516	7.8495	1.753e-02	0.095
6.76173	92.79836	8.496	30.6756	1020.9465	0.000e+00				
>	1500	8.571	44.641077	22.0298	20.39261	22.17516	7.7648	1.753e-02	0.094
6.76067	92.75430	8.524	30.8284	1021.0809	0.000e+00				
>	1501	8.580	44.825014	22.0299	20.40546	22.17516	7.8283	1.753e-02	0.091
6.75820	92.79715	8.533	30.9703	1021.1884	0.000e+00				
>	1502	8.608	44.817174	22.0326	20.40546	22.16707	7.8495	1.753e-02	0.092

6.75847	92.80117	8.561	30.9623	1021.1817	0.000e+00				
>	1503	8.627	44.841482	21.9924	20.40546	22.17516	7.8071	1.753e-02	0.095
6.76034	92.78498	8.579	31.0098	1021.2288	-9.990e-29				
>	1504	8.627	44.986945	21.9643	20.40546	22.16707	7.8283	1.753e-02	0.098
6.75749	92.77039	8.579	31.1424	1021.3371	-9.990e-29				
>	1505	8.627	45.012107	21.9788	20.40546	22.17516	7.8706	1.753e-02	0.099
6.74880	92.68027	8.579	31.1514	1021.3400	-9.990e-29				
>	1506	8.646	44.940166	21.9899	20.40546	22.16707	7.8918	1.753e-02	0.103
6.74439	92.60399	8.598	31.0878	1021.2888	0.000e+00				
>	1507	8.655	44.921344	21.9864	20.39261	22.16707	7.8706	1.753e-02	0.108
6.73371	92.44499	8.607	31.0758	1021.2807	0.000e+00				
>	1508	8.665	44.935144	21.9889	20.39261	22.17516	7.8283	1.753e-02	0.111
6.72640	92.35367	8.617	31.0846	1021.2867	0.000e+00				
>	1509	8.683	44.943739	21.9852	20.39261	22.16707	7.8706	1.753e-02	0.112
6.72277	92.30258	8.635	31.0939	1021.2949	0.000e+00				
>	1510	8.721	44.919368	22.0219	20.39261	22.17516	7.8706	1.753e-02	0.117
6.71451	92.22611	8.673	31.0488	1021.2508	0.000e+00				
>	1511	8.768	44.731833	22.0311	20.37977	22.17516	7.8283	1.753e-02	0.125
6.71173	92.12205	8.720	30.8975	1021.1337	0.000e+00				
>	1512	8.796	44.840515	22.0050	20.36693	22.16707	7.7437	1.753e-02	0.131
6.70868	92.09170	8.747	31.0000	1021.2187	0.000e+00				
>	1513	8.843	44.947498	21.9796	20.35409	22.17516	7.7860	1.753e-02	0.142
6.70508	92.05415	8.794	31.1008	1021.3023	0.000e+00				
>	1514	8.880	45.022275	21.9579	20.32840	22.17516	7.7860	1.753e-02	0.155
6.70156	92.00904	8.831	31.1742	1021.3641	0.000e+00				
>	1515	8.918	44.971162	21.9887	20.32840	22.17516	7.8706	1.753e-02	0.170
6.70330	92.05102	8.869	31.1126	1021.3091	0.000e+00				
>	1516	8.937	44.888283	22.0012	20.31556	22.17516	7.8495	1.753e-02	0.182
6.70213	92.01670	8.888	31.0395	1021.2504	0.000e+00				
>	1517	8.946	44.914503	21.9806	20.31556	22.17516	7.8283	1.753e-02	0.193
6.70715	92.07013	8.897	31.0746	1021.2826	0.000e+00				
>	1518	8.965	45.003473	21.9660	20.31556	22.17516	7.7648	1.753e-02	0.201
6.71054	92.13484	8.916	31.1538	1021.3468	0.000e+00				
>	1519	8.974	45.016280	21.9651	20.30272	22.16707	7.7648	1.753e-02	0.208
6.71273	92.16901	8.925	31.1644	1021.3551	0.000e+00				
>	1520	8.983	45.001983	21.9720	20.31556	22.17516	7.7225	1.753e-02	0.212
6.71978	92.26874	8.933	31.1484	1021.3411	-9.990e-29				
>	1521	8.974	44.986573	21.9734	20.32840	22.16707	7.5955	1.753e-02	0.209
6.72992	92.40337	8.925	31.1354	1021.3309	-9.990e-29				
>	1522	9.002	44.992566	21.9701	20.34124	22.16707	7.5320	1.753e-02	0.202
6.73903	92.52665	8.952	31.1424	1021.3372	0.000e+00				
>	1523	9.021	44.994092	21.9709	20.32840	22.16707	7.5532	1.753e-02	0.195
6.73376	92.45604	8.971	31.1430	1021.3375	0.000e+00				
>	1524	9.030	44.986201	21.9688	20.31556	22.16707	7.5109	1.753e-02	0.183
6.73217	92.42822	8.980	31.1384	1021.3346	0.000e+00				
>	1525	9.058	45.009504	21.9657	20.31556	22.16707	7.5532	1.753e-02	0.170
6.72987	92.40229	9.008	31.1587	1021.3510	0.000e+00				
>	1526	9.096	45.013637	21.9635	20.31556	22.16707	7.4474	1.753e-02	0.159

6.72955	92.39688	9.046	31.1634	1021.3553	0.000e+00				
>	1527	9.134	45.030469	21.9556	20.31556	22.16707	7.4051	1.753e-02	0.152
6.73093	92.41259	9.084	31.1821	1021.3719	0.000e+00				
>	1528	9.171	45.051623	21.9507	20.31556	22.16707	7.4474	1.753e-02	0.151
6.72875	92.38528	9.120	31.2020	1021.3884	0.000e+00				
>	1529	9.199	45.066336	21.9498	20.31556	22.16707	7.4051	1.753e-02	0.152
6.72761	92.37452	9.148	31.2140	1021.3979	0.000e+00				
>	1530	9.218	45.066336	21.9494	20.32840	22.15897	7.5532	1.753e-02	0.156
6.73552	92.48269	9.167	31.2143	1021.3983	0.000e+00				
>	1531	9.237	45.066485	21.9497	20.30272	22.16707	7.5109	1.753e-02	0.162
6.72488	92.33693	9.186	31.2142	1021.3983	0.000e+00				
>	1532	9.255	45.066485	21.9507	20.32840	22.15897	7.4897	1.753e-02	0.170
6.73489	92.47565	9.204	31.2135	1021.3975	0.000e+00				
>	1533	9.265	45.063319	21.9513	20.30272	22.15897	7.4686	1.753e-02	0.177
6.72515	92.34138	9.214	31.2106	1021.3952	0.000e+00				
>	1534	9.274	45.065181	21.9513	20.31556	22.15897	7.4686	1.753e-02	0.181
6.72838	92.38661	9.223	31.2120	1021.3963	0.000e+00				
>	1535	9.284	45.065591	21.9517	20.32840	22.15897	7.5744	1.753e-02	0.182
6.73178	92.43397	9.233	31.2121	1021.3963	0.000e+00				
>	1536	9.302	45.060302	21.9528	20.31556	22.15897	7.4897	1.753e-02	0.183
6.72820	92.38400	9.251	31.2072	1021.3924	0.000e+00				
>	1537	9.321	45.052963	21.9556	20.31556	22.15088	7.4051	1.753e-02	0.181
6.72759	92.37618	9.270	31.1995	1021.3858	-9.990e-29				
>	1538	9.321	45.038475	21.9596	20.32840	22.15088	7.3839	1.753e-02	0.171
6.73149	92.42871	9.270	31.1854	1021.3740	-9.990e-29				
>	1539	9.340	45.047712	21.9550	20.28987	22.15088	7.4051	1.753e-02	0.162
6.71892	92.25406	9.288	31.1958	1021.3833	0.000e+00				
>	1540	9.359	45.058030	21.9533	20.30272	22.14278	7.3204	1.753e-02	0.153
6.72349	92.31892	9.307	31.2050	1021.3908	0.000e+00				
>	1541	9.377	45.060674	21.9523	20.30272	22.14278	7.3204	1.753e-02	0.142
6.72675	92.36359	9.325	31.2078	1021.3933	0.000e+00				
>	1542	9.415	45.064064	21.9514	20.30272	22.14278	7.3628	1.753e-02	0.135
6.72579	92.35065	9.363	31.2111	1021.3962	0.000e+00				
>	1543	9.443	45.065182	21.9502	20.30272	22.14278	7.3839	1.753e-02	0.132
6.72914	92.39556	9.391	31.2128	1021.3979	0.000e+00				
>	1544	9.462	45.065741	21.9496	20.31556	22.14278	7.3628	1.753e-02	0.131
6.73537	92.48056	9.410	31.2136	1021.3988	0.000e+00				
>	1545	9.471	45.066114	21.9494	20.28987	22.14278	7.3204	1.753e-02	0.132
6.72747	92.37198	9.419	31.2141	1021.3992	0.000e+00				
>	1546	9.490	45.067455	21.9500	20.30272	22.13469	7.2781	1.753e-02	0.136
6.73539	92.48209	9.438	31.2147	1021.3996	0.000e+00				
>	1547	9.518	45.070472	21.9503	20.28987	22.13469	7.3416	1.753e-02	0.141
6.73470	92.47420	9.465	31.2168	1021.4013	0.000e+00				
>	1548	9.537	45.072745	21.9505	20.30272	22.13469	7.4051	1.753e-02	0.147
6.73825	92.52417	9.484	31.2184	1021.4025	0.000e+00				
>	1549	9.565	45.074235	21.9505	20.31556	22.13469	7.3204	1.753e-02	0.154
6.74169	92.57200	9.512	31.2195	1021.4035	0.000e+00				
>	1550	9.584	45.074608	21.9506	20.30272	22.13469	7.4897	1.753e-02	0.160

6.73654	92.50164	9.531	31.2198	1021.4037	0.000e+00				
>	1551	9.612	45.075353	21.9500	20.32840	22.12659	7.3204	1.753e-02	0.166
6.74861	92.66685	9.559	31.2208	1021.4048	0.000e+00				
>	1552	9.631	45.077253	21.9494	20.30272	22.13469	7.3628	1.753e-02	0.170
6.73869	92.53062	9.578	31.2226	1021.4064	0.000e+00				
>	1553	9.659	45.079526	21.9492	20.30272	22.11850	7.3628	1.753e-02	0.175
6.74190	92.57545	9.606	31.2245	1021.4081	0.000e+00				
>	1554	9.687	45.081016	21.9490	20.31556	22.12659	7.2569	1.753e-02	0.180
6.74468	92.61394	9.634	31.2258	1021.4092	0.000e+00				
>	1555	9.724	45.081017	21.9488	20.31556	22.12659	7.2569	1.753e-02	0.185
6.74441	92.60992	9.670	31.2260	1021.4095	0.000e+00				
>	1556	9.762	45.080644	21.9488	20.31556	22.12659	7.2569	1.753e-02	0.190
6.74378	92.60117	9.708	31.2257	1021.4095	0.000e+00				
>	1557	9.800	45.081017	21.9492	20.30272	22.11850	7.2993	1.753e-02	0.197
6.73728	92.51253	9.746	31.2257	1021.4095	0.000e+00				
>	1558	9.846	45.080384	21.9494	20.30272	22.11850	7.2146	1.753e-02	0.205
6.74069	92.55939	9.792	31.2250	1021.4092	0.000e+00				
>	1559	9.875	45.079639	21.9496	20.32840	22.11850	7.3416	1.753e-02	0.215
6.74949	92.68011	9.821	31.2243	1021.4087	0.000e+00				
>	1560	9.912	45.079639	21.9494	20.31556	22.11040	7.4051	1.753e-02	0.228
6.74965	92.68209	9.857	31.2244	1021.4090	0.000e+00				
>	1561	9.940	45.081129	21.9488	20.30272	22.11850	7.3839	1.753e-02	0.238
6.74101	92.56329	9.885	31.2260	1021.4105	0.000e+00				
>	1562	9.950	45.080757	21.9492	20.32840	22.11040	7.2993	1.753e-02	0.243
6.75095	92.70009	9.895	31.2254	1021.4100	0.000e+00				
>	1563	9.959	45.080012	21.9494	20.31556	22.11040	7.2993	1.753e-02	0.242
6.74496	92.61790	9.904	31.2247	1021.4094	0.000e+00				
>	1564	9.968	45.079266	21.9497	20.32840	22.11040	7.4051	1.753e-02	0.240
6.75044	92.69316	9.913	31.2239	1021.4088	0.000e+00				
>	1565	9.978	45.078521	21.9502	20.28987	22.11040	7.4262	1.753e-02	0.233
6.73852	92.52974	9.923	31.2229	1021.4080	-9.990e-29				
>	1566	9.968	45.078521	21.9502	20.34124	22.11040	7.2781	1.753e-02	0.220
6.75369	92.73810	9.913	31.2230	1021.4079	-9.990e-29				
>	1567	9.978	45.078000	21.9502	20.32840	22.10231	7.2358	1.753e-02	0.205
6.75010	92.68863	9.923	31.2225	1021.4077	-9.990e-29				
>	1568	9.978	45.078000	21.9502	20.32840	22.10231	7.2993	1.753e-02	0.187
6.74926	92.67705	9.923	31.2225	1021.4077	-9.990e-29				
>	1569	9.987	45.077627	21.9502	20.30272	22.10231	7.1723	1.753e-02	0.167
6.74135	92.56830	9.932	31.2223	1021.4075	0.000e+00				
>	1570	9.997	45.079155	21.9500	20.32840	22.09421	7.1723	1.753e-02	0.146
6.75047	92.69384	9.942	31.2236	1021.4086	0.000e+00				
>	1571	10.025	45.078745	21.9502	20.30272	22.10231	7.1723	1.753e-02	
0.127	6.74203	92.57809	9.970	31.2231	1021.4083	0.000e+00			
>	1572	10.053	45.078745	21.9500	20.32840	22.09421	7.2146	1.753e-02	
0.114	6.75239	92.72011	9.998	31.2232	1021.4086	0.000e+00			
>	1573	10.081	45.079155	21.9502	20.32840	22.10231	7.2781	1.753e-02	
0.104	6.75372	92.73873	10.025	31.2234	1021.4088	0.000e+00			
>	1574	10.100	45.078373	21.9502	20.31556	22.10231	7.2569	1.753e-02	

0.099 6.74625 92.63588 10.044 31.2228 1021.4084 0.000e+00
 > 1575 10.119 45.078000 21.9503 20.32840 22.09421 7.2358 1.753e-02
 0.098 6.75582 92.76722 10.063 31.2224 1021.4082 0.000e+00
 > 1576 10.137 45.078373 21.9500 20.30272 22.09421 7.3416 1.753e-02
 0.100 6.74945 92.67955 10.081 31.2229 1021.4087 0.000e+00
 > 1577 10.147 45.077628 21.9500 20.32840 22.09421 7.2358 1.753e-02
 0.105 6.75876 92.80714 10.091 31.2223 1021.4083 0.000e+00
 > 1578 10.165 45.078746 21.9502 20.32840 22.08612 7.2569 1.753e-02
 0.113 6.75789 92.79591 10.109 31.2231 1021.4089 0.000e+00
 > 1579 10.175 45.079156 21.9502 20.32840 22.07802 7.2569 1.753e-02
 0.120 6.76112 92.84032 10.119 31.2234 1021.4092 0.000e+00
 > 1580 10.184 45.078746 21.9502 20.32840 22.08612 7.2781 1.753e-02
 0.126 6.75673 92.77995 10.128 31.2231 1021.4090 0.000e+00
 > 1581 10.194 45.078746 21.9502 20.34124 22.08612 7.2781 1.753e-02
 0.130 6.76223 92.85542 10.138 31.2231 1021.4090 0.000e+00
 > 1582 10.212 45.078746 21.9500 20.32840 22.07802 7.3628 1.753e-02
 0.135 6.76052 92.83166 10.156 31.2232 1021.4092 0.000e+00
 > 1583 10.231 45.078373 21.9502 20.34124 22.08612 7.2569 1.753e-02
 0.136 6.76262 92.86057 10.175 31.2228 1021.4089 0.000e+00
 > 1584 10.250 45.079156 21.9500 20.34124 22.08612 7.4051 1.753e-02
 0.137 6.76314 92.86788 10.193 31.2235 1021.4096 0.000e+00
 > 1585 10.278 45.078746 21.9492 20.32840 22.07802 7.4262 1.753e-02
 0.137 6.75647 92.77498 10.221 31.2237 1021.4102 0.000e+00
 > 1586 10.306 45.084037 21.9484 20.32840 22.07802 7.3839 1.753e-02
 0.137 6.75508 92.75719 10.249 31.2284 1021.4140 0.000e+00
 > 1587 10.325 45.081764 21.9496 20.34124 22.07802 7.3839 1.753e-02
 0.135 6.75933 92.81603 10.268 31.2258 1021.4118 0.000e+00
 > 1588 10.344 45.078747 21.9497 20.32840 22.07802 7.4051 1.753e-02
 0.135 6.75495 92.75481 10.287 31.2234 1021.4100 0.000e+00
 > 1589 10.363 45.079641 21.9492 20.34124 22.06992 7.2781 1.753e-02
 0.137 6.76051 92.83087 10.306 31.2244 1021.4110 0.000e+00
 > 1590 10.372 45.080013 21.9494 20.34124 22.06992 7.2993 1.753e-02
 0.138 6.76014 92.82627 10.315 31.2246 1021.4111 0.000e+00
 > 1591 10.381 45.079641 21.9496 20.34124 22.06992 7.3204 1.753e-02
 0.139 6.75845 92.80311 10.324 31.2241 1021.4108 -9.990e-29
 > 1592 10.372 45.079268 21.9497 20.34124 22.06992 7.1723 1.753e-02
 0.137 6.75827 92.80062 10.315 31.2238 1021.4104 -9.990e-29
 > 1593 10.372 45.078523 21.9502 20.32840 22.06992 7.2993 1.753e-02
 0.132 6.75392 92.74126 10.315 31.2228 1021.4096 -9.990e-29
 > 1594 10.372 45.078523 21.9502 20.32840 22.06992 7.3628 1.753e-02
 0.125 6.75257 92.72271 10.315 31.2228 1021.4096 -9.990e-29
 > 1595 10.381 45.078896 21.9500 20.34124 22.06992 7.3416 1.753e-02
 0.118 6.75555 92.76351 10.324 31.2233 1021.4100 0.000e+00
 > 1596 10.400 45.077741 21.9503 20.34124 22.06992 7.3204 1.753e-02
 0.111 6.75574 92.76595 10.343 31.2221 1021.4092 0.000e+00
 > 1597 10.409 45.078523 21.9500 20.34124 22.06992 7.3416 1.753e-02
 0.103 6.75593 92.76853 10.352 31.2230 1021.4099 0.000e+00
 > 1598 10.438 45.078896 21.9500 20.32840 22.06992 7.3416 1.753e-02

0.097 6.75181 92.71212 10.380 31.2232 1021.4103 0.000e+00
> 1599 10.466 45.080386 21.9492 20.32840 22.06183 7.2569 1.753e-02
0.094 6.75377 92.73856 10.408 31.2250 1021.4119 0.000e+00
> 1600 10.485 45.082920 21.9482 20.32840 22.06183 7.3204 1.753e-02
0.092 6.75434 92.74624 10.427 31.2276 1021.4143 0.000e+00
> 1601 10.522 45.084038 21.9478 20.32840 22.06992 7.2569 1.753e-02
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 0.213 6.75579 92.76436 12.882 31.2600 1021.4528 0.000e+00
 > 1723 12.992 45.114607 21.9368 20.30272 22.03754 7.2358 1.753e-02
 0.224 6.75270 92.72188 12.920 31.2596 1021.4526 0.000e+00
 > 1724 13.039 45.115725 21.9364 20.32840 22.02945 7.2781 1.753e-02
 0.239 6.76563 92.89938 12.967 31.2608 1021.4538 0.000e+00
 > 1725 13.095 45.115726 21.9362 20.30272 22.02945 7.3628 1.753e-02
 0.258 6.75692 92.77948 13.023 31.2609 1021.4542 0.000e+00
 > 1726 13.123 45.117217 21.9365 20.31556 22.02945 7.3204 1.753e-02
 0.277 6.76388 92.87612 13.050 31.2618 1021.4549 0.000e+00
 > 1727 13.161 45.111216 21.9383 20.28987 22.03754 7.2993 1.753e-02
 0.293 6.75067 92.69448 13.088 31.2559 1021.4501 0.000e+00
 > 1728 13.189 45.115354 21.9323 20.31556 22.03754 7.3628 1.753e-02
 0.304 6.76267 92.85326 13.116 31.2634 1021.4576 0.000e+00
 > 1729 13.226 45.125902 21.9324 20.32840 22.02945 7.3204 1.753e-02
 0.313 6.76958 92.95261 13.153 31.2715 1021.4638 0.000e+00
 > 1730 13.255 45.120982 21.9341 20.31556 22.02945 7.2993 1.753e-02
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 > 1731 13.273 45.122100 21.9329 20.31556 22.03754 7.1935 1.753e-02
 0.315 6.76129 92.83790 13.200 31.2681 1021.4614 0.000e+00
 > 1732 13.302 45.125530 21.9337 20.32840 22.02945 7.2146 1.753e-02
 0.309 6.76578 92.90198 13.228 31.2702 1021.4629 0.000e+00
 > 1733 13.330 45.124747 21.9332 20.31556 22.03754 7.3628 1.753e-02
 0.301 6.76039 92.82695 13.256 31.2700 1021.4629 0.000e+00
 > 1734 13.339 45.129295 21.9304 20.32840 22.02945 7.2358 1.753e-02
 0.289 6.76545 92.89472 13.265 31.2755 1021.4679 0.000e+00
 > 1735 13.358 45.136490 21.9282 20.30272 22.02945 7.2569 1.753e-02
 0.275 6.75724 92.78218 13.284 31.2827 1021.4740 0.000e+00
 > 1736 13.386 45.135334 21.9293 20.32840 22.02945 7.3628 1.753e-02
 0.260 6.76308 92.86335 13.312 31.2810 1021.4726 0.000e+00
 > 1737 13.414 45.138280 21.9277 20.31556 22.02945 7.3204 1.753e-02
 0.246 6.75891 92.80525 13.340 31.2844 1021.4757 0.000e+00
 > 1738 13.443 45.140927 21.9276 20.30272 22.02945 7.2146 1.753e-02
 0.234 6.75608 92.76737 13.369 31.2865 1021.4775 0.000e+00
 > 1739 13.471 45.137236 21.9282 20.30272 22.02945 7.2358 1.753e-02
 0.223 6.75631 92.76981 13.397 31.2832 1021.4749 0.000e+00
 > 1740 13.518 45.135745 21.9288 20.31556 22.03754 7.2146 1.753e-02
 0.217 6.75928 92.81068 13.443 31.2816 1021.4738 0.000e+00
 > 1741 13.536 45.135260 21.9289 20.30272 22.02945 7.2358 1.753e-02
 0.211 6.75821 92.79594 13.461 31.2811 1021.4735 0.000e+00
 > 1742 13.565 45.135633 21.9290 20.31556 22.02945 7.2146 1.753e-02

0.210 6.76422 92.87876 13.490 31.2813 1021.4737 0.000e+00
> 1743 13.593 45.133397 21.9300 20.31556 22.02945 7.2569 1.753e-02
0.210 6.76589 92.90192 13.518 31.2789 1021.4717 0.000e+00
> 1744 13.602 45.132315 21.9305 20.31556 22.02945 7.2146 1.753e-02
0.208 6.76603 92.90414 13.527 31.2777 1021.4707 0.000e+00
> 1745 13.612 45.131123 21.9310 20.31556 22.02945 7.2358 1.753e-02
0.204 6.76619 92.90637 13.537 31.2764 1021.4696 0.000e+00
> 1746 13.640 45.130750 21.9307 20.31556 22.02945 7.2146 1.753e-02
0.202 6.76796 92.93013 13.565 31.2763 1021.4698 0.000e+00
> 1747 13.659 45.131570 21.9303 20.31556 22.02945 7.2781 1.753e-02
0.201 6.76665 92.91199 13.584 31.2772 1021.4707 0.000e+00
> 1748 13.696 45.129296 21.9319 20.31556 22.02945 7.2358 1.753e-02
0.201 6.76503 92.89087 13.620 31.2743 1021.4682 0.000e+00
> 1749 13.715 45.128141 21.9323 20.31556 22.02945 7.1723 1.753e-02
0.200 6.76622 92.90721 13.639 31.2731 1021.4672 0.000e+00
> 1750 13.762 45.128551 21.9313 20.32840 22.02945 7.1723 1.753e-02
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> 1751 13.800 45.128178 21.9321 20.31556 22.02945 7.2358 1.753e-02
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> 1752 13.856 45.123221 21.9337 20.32840 22.02945 7.2146 1.753e-02
0.213 6.76777 92.92827 13.779 31.2683 1021.4638 0.000e+00
> 1753 13.903 45.126278 21.9313 20.30272 22.02945 7.2993 1.753e-02
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> 1754 13.959 45.130826 21.9312 20.32840 22.02945 7.2358 1.753e-02
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> 1755 14.006 45.130379 21.9307 20.31556 22.02945 7.2146 1.753e-02
0.247 6.76445 92.88180 13.929 31.2759 1021.4711 0.000e+00
> 1756 14.035 45.131907 21.9301 20.31556 22.02945 7.2146 1.753e-02
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> 1757 14.072 45.133846 21.9296 20.32840 22.02945 7.2358 1.753e-02
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> 1758 14.082 45.136120 21.9284 20.31556 22.02945 7.2358 1.753e-02
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> 1761 14.128 45.136866 21.9282 20.32840 22.02945 7.2146 1.753e-02
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> 1762 14.157 45.137984 21.9282 20.32840 22.02945 7.2146 1.753e-02
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> 1763 14.175 45.136792 21.9284 20.31556 22.02945 7.2781 1.753e-02
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> 1764 14.204 45.134518 21.9296 20.30272 22.02945 7.2569 1.753e-02
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> 1765 14.241 45.134145 21.9296 20.30272 22.02945 7.2146 1.753e-02
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> 1766 14.288 45.135338 21.9292 20.31556 22.02945 7.1723 1.753e-02

0.238 6.76478 92.88642 14.209 31.2808 1021.4764 0.000e+00
> 1767 14.326 45.136494 21.9285 20.31556 22.02945 7.2358 1.753e-02
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> 1768 14.363 45.136792 21.9290 20.30272 22.02945 7.2781 1.753e-02
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> 1769 14.401 45.135264 21.9294 20.30272 22.02945 7.2569 1.753e-02
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> 1770 14.429 45.136122 21.9291 20.31556 22.02945 7.2569 1.753e-02
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> 1771 14.448 45.135749 21.9294 20.34124 22.02945 7.2993 1.753e-02
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> 1772 14.476 45.135264 21.9290 20.30272 22.02945 7.3204 1.753e-02
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> 1773 14.504 45.135264 21.9295 20.32840 22.02945 7.3628 1.753e-02
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> 1774 14.551 45.136122 21.9287 20.32840 22.02945 7.2993 1.753e-02
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> 1778 14.608 45.134147 21.9296 20.30272 22.02945 7.3628 1.753e-02
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> 1783 14.645 45.132730 21.9302 20.30272 22.02945 7.2569 1.753e-02
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> 1784 14.655 45.133476 21.9298 20.28987 22.02945 7.3204 1.753e-02
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> 1785 14.655 45.132656 21.9302 20.28987 22.02945 7.3204 1.753e-02
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> 1788 14.664 45.132656 21.9298 20.32840 22.02945 7.3416 1.753e-02
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> 1789 14.674 45.133028 21.9302 20.30272 22.02945 7.3204 1.753e-02
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> 1790 14.683 45.132730 21.9297 20.30272 22.02945 7.2358 1.753e-02

0.060 6.76140 92.83942 14.602 31.2782 1021.4761 -9.990e-29
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 > 1792 14.683 45.135638 21.9282 20.30272 22.02945 7.2569 1.753e-02
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 > 1793 14.711 45.138285 21.9276 20.30272 22.02945 7.2569 1.753e-02
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 0.050 6.76074 92.83051 14.649 31.2834 1021.4806 0.000e+00
 > 1795 14.758 45.141790 21.9257 20.30272 22.02945 7.2569 1.753e-02
 0.057 6.75730 92.78188 14.676 31.2881 1021.4850 0.000e+00
 > 1796 14.796 45.145183 21.9240 20.32840 22.02135 7.2993 1.753e-02
 0.067 6.76695 92.91350 14.714 31.2920 1021.4885 0.000e+00
 > 1797 14.833 45.144810 21.9259 20.30272 22.02945 7.2569 1.753e-02
 0.081 6.75896 92.80607 14.751 31.2903 1021.4869 -9.990e-29
 > 1798 14.824 45.132656 21.9297 20.28987 22.02945 7.2569 1.753e-02
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 > 1800 14.871 45.137615 21.9273 20.30272 22.02945 7.3204 1.753e-02
 0.118 6.75938 92.81061 14.789 31.2837 1021.4817 -9.990e-29
 > 1801 14.862 45.139143 21.9264 20.30272 22.02945 7.2358 1.753e-02
 0.125 6.75893 92.80393 14.780 31.2855 1021.4833 -9.990e-29
 > 1802 14.862 45.140635 21.9263 20.28987 22.02135 7.2569 1.753e-02
 0.128 6.75560 92.75879 14.780 31.2868 1021.4842 -9.990e-29
 > 1803 14.862 45.136049 21.9277 20.31556 22.02945 7.2569 1.753e-02
 0.128 6.76232 92.85096 14.780 31.2822 1021.4804 -9.990e-29
 > 1804 14.871 45.136049 21.9279 20.30272 22.02945 7.3416 1.753e-02
 0.126 6.75647 92.77083 14.789 31.2821 1021.4803 -9.990e-29
 > 1805 14.871 45.139516 21.9261 20.30272 22.02945 7.3416 1.753e-02
 0.120 6.75829 92.79488 14.789 31.2860 1021.4838 -9.990e-29
 > 1806 14.871 45.141791 21.9256 20.30272 22.02945 7.2781 1.753e-02
 0.112 6.75743 92.78349 14.789 31.2882 1021.4855 -9.990e-29
 > 1807 14.871 45.143282 21.9253 20.30272 22.02135 7.2358 1.753e-02
 0.102 6.75811 92.79308 14.789 31.2895 1021.4867 -9.990e-29
 > 1808 14.880 45.142051 21.9259 20.31556 22.02945 7.2569 1.753e-02
 0.089 6.76425 92.87760 14.798 31.2882 1021.4855 -9.990e-29
 > 1809 14.871 45.139032 21.9262 20.30272 22.02945 7.2358 1.753e-02
 0.072 6.75998 92.81809 14.789 31.2856 1021.4834 -9.990e-29
 > 1810 14.880 45.139777 21.9263 20.30272 22.02135 7.1935 1.753e-02
 0.056 6.76149 92.83926 14.798 31.2861 1021.4838 0.000e+00
 > 1811 14.890 45.139889 21.9266 20.28987 22.02945 7.2993 1.753e-02
 0.043 6.75560 92.75888 14.808 31.2860 1021.4837 -9.990e-29
 > 1812 14.880 45.137988 21.9263 20.28987 22.02945 7.3416 1.753e-02
 0.029 6.75569 92.75888 14.798 31.2847 1021.4828 -9.990e-29
 > 1813 14.890 45.140262 21.9257 20.28987 22.02945 7.2781 1.753e-02
 0.022 6.75571 92.75929 14.808 31.2869 1021.4846 -9.990e-29
 > 1814 14.890 45.137913 21.9270 20.28987 22.02135 7.3416 1.753e-02

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0.019  6.75715  92.77977  14.808  31.2841  1021.4822 -9.990e-29
>      1815  14.899 45.138659  21.9271  20.30272  22.02135  7.3416  1.753e-02
0.015  6.76144  92.83916  14.817  31.2847  1021.4826  0.000e+00
* Sea-Bird SBE 25 Data File:
* FileName = \SEA_25\RAW_DATA\br021209.HEX
* Software Version 4.224
* Temperature SN = 2331
* Conductivity SN = 1884
* System UpLoad Time = Dec 03 1997 07:11:24
** Ship:
** Cruise:
** Station:
** Latitude:
** Longitude:
* ds
* SBE 25 CTD V 4.0a SN 207 12/03/97 07:07:38.881
* external pressure sensor, range = 100 psia, tcvl = 560
* xtal = 9437467 clk = 32768.211 vmain = 12.7 iop = 169 vlith = 5.6
* ncasts = 38 samples = 64419 free = 10197 lwait = 0 msec
*
* CTD configuration:
* number of scans averaged = 1, data stored at 8 scans per second
* real time data transmitted at 8 scans per second
* minimum conductivity frequency for pump turn on = 2500
* battery type = ALKALINE
*
* 4 external voltages sampled
* stored voltage # 0 = external voltage 0
* stored voltage # 1 = external voltage 1
* stored voltage # 2 = external voltage 4
* stored voltage # 3 = external voltage 6
*
* S>
* cast 9 12/02 10:46:24 smpls 10842 to 12448 nv = 4 avg = 1 stp = switch off
# nquan = 18
# nvalues = 69
# units = metric
# name 0 = scan: scan number
# name 1 = pr: pressure [db]
# name 2 = c0mS/cm: conductivity [mS/cm]
# name 3 = t090: temperature, ITS-90 [deg C]
# name 4 = oxC: oxygen, current [i; ½A]
# name 5 = oxT: oxygen, temperature [deg C]
# name 6 = wetStar: WET Labs, WETStar chlorophyll concentration [i; ½g/l]
# name 7 = par: irradiance (PAR)
# name 8 = dz/dt: descent rate [m/s]
# name 9 = oxMg/L: oxygen [mg/l]
# name 10 = oxPS: oxygen, percent saturation

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# name 11 = depS: depth, salt water [m]
# name 12 = sal00: salinity, PSS-78 [PSU]
# name 13 = density00: density [kg/m^3]
# name 14 = E: stability, E [rad^2/m]
# name 15 = N^2: buoyancy frequency, N^2 [rad^2/s^2]
# name 16 = N: buoyancy frequency, N [cycles/h]
# name 17 = flag: 0.000e+00
# span 0 = 734, 1249
# span 1 = 0.100, 6.900
# span 2 = 33.021038, 43.941509
# span 3 = 24.7640, 26.0272
# span 4 = 10.83720, 29.00923
# span 5 = 25.33644, 26.24393
# span 6 = 12.7196, 50.8712
# span 7 = 8.263e+00, 4.304e+03
# span 8 = 0.018, 0.213
# span 9 = 3.05792, 8.03237
# span 10 = 43.59972, 115.85005
# span 11 = 0.099, 6.862
# span 12 = 20.7163, 28.1496
# span 13 = 1012.6817, 1018.1749
# span 14 = -5.328e-03, 6.138e-04
# span 15 = -5.226e-02, 6.022e-03
# span 16 = -130.99, 44.46
# span 17 = 0.000e+00, 0.000e+00
# interval = decibars: 0.1
# start_time = Dec 02 1997 10:46:24
# bad_flag = -9.990e-29
# sensor 0 = Frequency 0 temperature, 2331, 22-Mar-97s
# sensor 1 = Frequency 1 conductivity, 1884, 21-Mar-97s, cpcor = -9.5700e-08
# sensor 2 = Pressure Voltage, 174984, 10-Mar-97, cpcor = -9.5700e-08
# sensor 3 = Stored Volt 0 oxygen, current, 230462, 8 October 1997
# sensor 4 = Stored Volt 1 oxygen, temperature, 230462, 8 October 1997
# sensor 5 = Stored Volt 2 WET Labs, WETStar fluorometer, WS3S-192, 04 August 1997
# sensor 6 = Stored Volt 3 irradiance (PAR), 4496, 24-Jan-97
# datcnv_date = Dec 04 1997 08:52:06, 4.224
# datcnv_in = BR021209.HEX 25_OX462.CON
# datcnv_skipover = 720
# alignctd_date = Dec 05 1997 08:22:54, 4.224
# alignctd_in = BR021209.CNV
# alignctd_cond_advSecs = 0.000, 0.000
# alignctd_temp_advSecs = 0.000, 0.000
# alignctd_oxygen_current_advSecs = 1.000, 0.000
# alignctd_oxygen_temp_advSecs = 1.000, 0.000
# alignctd_wetstar_advSecs = 1.000
# loopedit_date = Dec 05 1997 08:23:28, 4.224
# loopedit_in = BR021209.CNV
# loopedit_minVelocity = 0.010
```

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# loopedit_excl_bad_scans = yes
# derive_date = Dec 05 1997 08:25:32, 4.224
# derive_in = BR021209.CNV 25_OX462.CON
# derive_time_window_docdt = seconds: 1
# binavg_date = Dec 05 1997 08:29:19, 4.224
# binavg_in = BR021209.CNV
# binavg_bintype = Pressure Bins
# binavg_binsize = 0.10
# binavg_excl_bad_scans = yes
# binavg_downcast_only = yes
# binavg_skipover = 0
# binavg_surface_bin = no, min = 0.000, max = 0.000, value = 0.000
# buoyancy_date = Dec 05 1997 08:29:45, 4.224
# buoyancy_in = BR021209.CNV
# buoyancy_vars: gravity = 9.81 [m/s^2], window_size = 0.9 decibars
# file_type = ascii
*END*

```

734	0.100	43.414664	26.0272	28.86066	26.24393	40.5207	4.304e+03	0.018
7.97352	115.03366	0.099	27.3324	1017.2527	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00
739	0.200	43.415480	26.0260	28.87542	26.24197	39.5411	4.271e+03	0.076
7.96584	114.92125	0.199	27.3336	1017.2544	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00
750	0.300	43.416558	26.0228	28.87083	26.23714	42.0915	4.039e+03	0.093
7.97855	115.10007	0.298	27.3363	1017.2578	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00
767	0.400	43.416724	26.0212	28.91073	26.21915	43.8454	2.263e+03	0.047
7.99298	115.30571	0.398	27.3373	1017.2595	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00
777	0.500	43.417688	26.0256	28.93911	26.21301	43.8988	4.061e+02	0.067
8.01353	115.60957	0.497	27.3353	1017.2572	4.064e-05	3.987e-04	11.44	0.000e+00
782	0.600	43.428809	26.0200	28.96665	26.20675	43.9460	8.906e+02	0.100
8.01359	115.60658	0.597	27.3465	1017.2677	1.145e-04	1.123e-03	19.20	0.000e+00
790	0.700	43.436992	26.0212	28.97178	26.19784	42.5686	4.488e+02	0.123
8.01930	115.69455	0.696	27.3515	1017.2715	2.228e-04	2.185e-03	26.78	0.000e+00
799	0.800	43.440876	26.0188	28.99613	26.18816	45.1495	3.066e+02	0.096
8.02903	115.83296	0.796	27.3556	1017.2757	3.108e-04	3.049e-03	31.64	0.000e+00
811	0.900	43.448715	25.9971	28.99516	26.18090	45.4281	3.669e+02	0.066
8.03237	115.85005	0.895	27.3739	1017.2965	4.329e-04	4.247e-03	37.34	0.000e+00
823	1.000	43.541693	25.9305	29.00923	26.17588	48.3884	5.271e+02	0.064
8.02072	115.61862	0.995	27.4789	1017.3959	5.182e-04	5.083e-03	40.85	0.000e+00
830	1.100	43.632221	25.8793	28.95782	26.17425	50.0735	6.080e+02	0.093
7.90018	113.84183	1.094	27.5732	1017.4826	5.853e-04	5.742e-03	43.42	0.000e+00
843	1.200	43.674830	25.8822	28.10731	26.15964	50.7894	5.459e+02	0.085
7.33426	105.71011	1.194	27.6015	1017.5034	6.110e-04	5.994e-03	44.36	0.000e+00
854	1.300	43.764295	25.7968	26.86572	26.13795	50.8712	3.081e+02	0.063
6.94358	99.99627	1.293	27.7159	1017.6156	6.138e-04	6.022e-03	44.46	0.000e+00
868	1.400	43.790686	25.7706	25.20365	26.11717	48.4502	3.047e+02	0.055

6.54294	94.20257	1.392	27.7503	1017.6498	5.804e-04	5.694e-03	43.23	0.000e+00
882	1.500	43.840771	25.7314	23.99760	26.08577	46.6372	3.520e+02	0.057
6.25639	90.04650	1.492	27.8094	1017.7065	5.448e-04	5.345e-03	41.89	0.000e+00
891	1.600	43.867812	25.6965	23.13039	26.06583	45.1638	3.359e+02	0.068
5.99427	86.24185	1.591	27.8497	1017.7476	5.120e-04	5.023e-03	40.61	0.000e+00
900	1.700	43.941508	25.6431	22.30764	26.04276	44.8515	3.286e+02	0.094
5.82630	83.78845	1.691	27.9343	1017.8278	4.473e-04	4.388e-03	37.95	0.000e+00
908	1.800	43.908612	25.5441	21.65956	26.02215	45.5145	3.140e+02	0.090
5.67803	81.53441	1.790	27.9714	1017.8858	4.085e-04	4.007e-03	36.27	0.000e+00
917	1.900	43.884275	25.5031	20.70265	26.00139	46.8474	2.938e+02	0.097
5.13044	73.62248	1.889	27.9792	1017.9043	3.643e-04	3.574e-03	34.25	0.000e+00
924	2.000	43.872724	25.4661	19.55318	25.98724	44.4625	2.930e+02	0.098
4.60451	66.03877	1.989	27.9936	1017.9266	3.229e-04	3.168e-03	32.25	0.000e+00
934	2.100	43.810355	25.3734	17.71070	25.95356	36.8373	2.753e+02	0.095
4.25257	60.89694	2.089	28.0060	1017.9641	2.690e-04	2.638e-03	29.43	0.000e+00
941	2.200	43.763724	25.3231	16.71973	25.93443	36.8143	2.651e+02	0.092
4.02781	57.62831	2.188	28.0036	1017.9777	2.318e-04	2.274e-03	27.32	0.000e+00
949	2.300	43.775676	25.2791	15.59232	25.90786	34.6919	2.348e+02	0.106
3.75951	53.75900	2.287	28.0392	1018.0180	2.121e-04	2.081e-03	26.14	0.000e+00
956	2.400	43.796063	25.2604	14.61835	25.87324	29.2047	2.306e+02	0.102
3.59955	51.46279	2.387	28.0652	1018.0435	1.818e-04	1.783e-03	24.20	0.000e+00
964	2.500	43.792783	25.2405	13.87461	25.83858	23.3250	2.144e+02	0.083
3.58133	51.18760	2.486	28.0751	1018.0573	1.519e-04	1.491e-03	22.12	0.000e+00
973	2.600	43.781335	25.2297	13.41448	25.79866	19.8527	2.067e+02	0.106
3.59387	51.35672	2.586	28.0736	1018.0598	1.282e-04	1.258e-03	20.32	0.000e+00
981	2.700	43.754871	25.1958	13.14577	25.76805	19.1530	1.929e+02	0.099
3.54836	50.67709	2.685	28.0756	1018.0718	1.044e-04	1.025e-03	18.34	0.000e+00
992	2.800	43.747672	25.1819	12.80629	25.71754	17.6680	1.813e+02	0.075
3.47749	49.65415	2.785	28.0790	1018.0789	9.366e-05	9.188e-04	17.37	0.000e+00
1000	2.900	43.715994	25.1381	12.55884	25.68465	17.1064	1.728e+02	0.089
3.40176	48.53704	2.884	28.0833	1018.0955	8.766e-05	8.600e-04	16.80	0.000e+00
1008	3.000	43.723988	25.1380	12.31804	25.65362	16.1562	1.663e+02	0.092
3.31997	47.37144	2.984	28.0891	1018.1004	8.164e-05	8.009e-04	16.22	0.000e+00
1017	3.100	43.719377	25.1129	12.01098	25.62041	15.3556	1.560e+02	0.094
3.29033	46.93134	3.083	28.1013	1018.1174	6.631e-05	6.505e-04	14.61	0.000e+00
1025	3.200	43.683976	25.0826	11.87533	25.58730	14.8565	1.467e+02	0.090
3.28691	46.85629	3.182	28.0946	1018.1218	4.775e-05	4.684e-04	12.40	0.000e+00
1032	3.300	43.674417	25.0747	11.75036	25.56359	14.2952	1.368e+02	0.107
3.21319	45.79848	3.282	28.0926	1018.1231	2.931e-05	2.875e-04	9.72	0.000e+00
1038	3.400	43.670954	25.0694	11.53973	25.54597	13.5938	1.286e+02	0.118
3.11760	44.43218	3.381	28.0934	1018.1256	1.843e-05	1.808e-04	7.70	0.000e+00
1045	3.500	43.656201	25.0598	11.32405	25.52019	13.1277	1.202e+02	0.119
3.09471	44.09738	3.481	28.0887	1018.1254	4.320e-06	4.238e-05	3.73	0.000e+00
1053	3.600	43.672062	25.0762	11.15995	25.49628	13.3729	1.133e+02	0.112
3.07898	43.88598	3.580	28.0899	1018.1219	-2.417e-06	-2.371e-05	-2.79	0.000e+00
1063	3.700	43.664011	25.0660	10.99639	25.46931	12.7196	1.052e+02	0.085
3.07607	43.83689	3.680	28.0904	1018.1258	-1.117e-06	-1.096e-05	-1.90	0.000e+00
1072	3.800	43.663309	25.0628	10.95101	25.44343	13.4484	9.734e+01	0.089

3.09288	44.07443	3.779	28.0918	1018.1282	2.886e-06	2.832e-05	3.05	0.000e+00
1078	3.900	43.652302	25.0593	10.90928	25.42714	13.3486	8.971e+01	0.094
3.06934	43.73493	3.879	28.0861	1018.1253	3.723e-06	3.652e-05	3.46	0.000e+00
1084	4.000	43.692426	25.0933	10.86634	25.41353	13.6183	8.323e+01	0.124
3.05792	43.59972	3.978	28.0938	1018.1215	5.020e-06	4.925e-05	4.02	0.000e+00
1091	4.100	43.752045	25.1257	10.83720	25.40112	12.9803	7.721e+01	0.133
3.08118	43.96183	4.077	28.1164	1018.1294	4.272e-06	4.191e-05	3.71	0.000e+00
1098	4.200	43.720925	25.0984	10.93301	25.39699	13.1530	7.081e+01	0.117
3.25160	46.37003	4.177	28.1110	1018.1338	4.753e-06	4.663e-05	3.91	0.000e+00
1106	4.300	43.754112	25.1296	11.21290	25.38471	13.8235	6.607e+01	0.108
3.34281	47.69762	4.276	28.1155	1018.1285	1.934e-06	1.897e-05	2.50	0.000e+00
1113	4.400	43.750832	25.1255	11.37583	25.37860	13.6473	6.133e+01	0.109
3.32618	47.45711	4.376	28.1156	1018.1302	7.839e-07	7.690e-06	1.59	0.000e+00
1122	4.500	43.756111	25.1266	11.54064	25.36747	13.6857	5.706e+01	0.096
3.36303	47.98450	4.475	28.1187	1018.1326	-5.190e-06	-5.092e-05	-4.09	0.000e+00
1130	4.600	43.749175	25.1225	11.66104	25.35927	14.3848	5.266e+01	0.092
3.38010	48.22397	4.575	28.1162	1018.1324	-2.982e-06	-2.925e-05	-3.10	0.000e+00
1135	4.700	43.744694	25.1284	11.71319	25.35988	14.2113	4.803e+01	0.113
3.36163	47.96350	4.674	28.1094	1018.1259	5.487e-06	5.383e-05	4.20	0.000e+00
1141	4.800	43.752225	25.1270	11.72061	25.35270	14.0990	4.433e+01	0.135
3.34861	47.77826	4.774	28.1156	1018.1315	1.354e-05	1.328e-04	6.60	0.000e+00
1146	4.900	43.791876	25.1570	11.73429	25.34853	14.1899	4.034e+01	0.141
3.35313	47.87042	4.873	28.1254	1018.1304	2.029e-05	1.990e-04	8.08	0.000e+00
1152	5.000	43.819071	25.1704	11.77025	25.34855	14.3308	3.743e+01	0.147
3.40449	48.61799	4.972	28.1366	1018.1352	2.591e-05	2.542e-04	9.13	0.000e+00
1159	5.100	43.821224	25.1653	11.90683	25.34855	14.1031	3.422e+01	0.122
3.52639	50.35551	5.072	28.1413	1018.1407	3.409e-05	3.345e-04	10.48	0.000e+00
1166	5.200	43.822635	25.1565	12.12210	25.34528	14.3666	3.139e+01	0.115
3.59293	51.29980	5.171	28.1477	1018.1486	3.108e-05	3.049e-04	10.01	0.000e+00
1173	5.300	43.820261	25.1542	12.29730	25.34728	14.4527	2.886e+01	0.117
3.59279	51.29570	5.271	28.1474	1018.1495	2.668e-05	2.617e-04	9.27	0.000e+00
1178	5.400	43.816823	25.1522	12.36608	25.34867	14.2846	2.632e+01	0.124
3.57298	51.01071	5.370	28.1461	1018.1496	1.910e-05	1.874e-04	7.84	0.000e+00
1182	5.500	43.806063	25.1340	12.40572	25.34855	14.3918	2.405e+01	0.151
3.57354	51.00361	5.470	28.1496	1018.1580	1.176e-05	1.153e-04	6.15	0.000e+00
1185	5.600	43.777403	25.1178	12.42366	25.34855	14.2110	2.215e+01	0.177
3.57418	50.99539	5.569	28.1391	1018.1554	6.950e-06	6.818e-05	4.73	0.000e+00
1189	5.700	43.784674	25.1257	12.44731	25.34855	14.5269	2.043e+01	0.204
3.56461	50.86584	5.669	28.1394	1018.1537	8.204e-06	8.048e-05	5.14	0.000e+00
1193	5.800	43.787895	25.1258	12.42621	25.34855	14.3583	1.901e+01	0.213
3.50192	49.97214	5.768	28.1416	1018.1557	7.164e-06	7.028e-05	4.80	0.000e+00
1199	5.900	43.779211	25.1195	12.35425	25.34478	14.2153	1.746e+01	0.180
3.45801	49.33943	5.868	28.1393	1018.1563	5.328e-06	5.226e-05	4.14	0.000e+00
1206	6.000	43.769501	25.1102	12.27038	25.34395	14.2213	1.607e+01	0.138
3.45060	49.22543	5.967	28.1381	1018.1586	7.691e-06	7.545e-05	4.98	0.000e+00
1211	6.100	43.754860	25.0952	12.20511	25.34054	13.9583	1.480e+01	0.129
3.43336	48.96642	6.066	28.1368	1018.1625	9.756e-06	9.571e-05	5.61	0.000e+00
1214	6.200	43.749071	25.0932	12.18608	25.34045	13.8797	1.352e+01	0.148

3.42910	48.90317	6.166	28.1339	1018.1613	1.249e-05	1.225e-04	6.34	0.000e+00	
1218	6.300	43.732889	25.0801	12.12354	25.34045	13.4959	1.245e+01	0.183	
3.38498	48.26204	6.265	28.1304	1018.1630	1.586e-05	1.556e-04	7.15	0.000e+00	
1223	6.400	43.735469	25.0835	12.03385	25.34045	13.2006	1.145e+01	0.201	
3.33684	47.57843	6.365	28.1301	1018.1622	-8.630e-04	-8.466e-03	-52.72	0.000e+00	
1228	6.500	43.734575	25.0783	11.91224	25.34045	13.1746	1.051e+01	0.176	
3.28635	46.85498	6.464	28.1327	1018.1661	-5.328e-03	-5.226e-02	-130.99	0.000e+00	
1233	6.600	43.714304	25.0568	11.78492	25.33644	13.1051	9.666e+00	0.158	
3.28274	46.78562	6.564	28.1314	1018.1719	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00	
1239	6.700	43.704371	25.0464	11.73264	25.33787	14.9613	8.770e+00	0.146	
3.32382	47.36377	6.663	28.1307	1018.1749	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00	
1243	6.800	41.210527	24.9607	-9.990e-29	-9.990e-29	-9.990e-29	8.467e+00	0.153	
-9.990e-29	-9.990e-29	6.762	26.4078	1016.9044	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00	
1249	6.900	33.021037	24.7640	-9.990e-29	-9.990e-29	-9.990e-29	8.263e+00	0.176	
-9.990e-29	-9.990e-29	6.862	20.7163	1012.6817	-9.990e-29	-9.990e-29	-9.990e-29	0.000e+00	

File Attachments

1) [Br021209.cnv](#), downloaded 122 times
