
Subject: IDL's Table Widget
Posted by [phil_aldis](#) on Mon, 17 May 1999 07:00:00 GMT
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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.---

Subject: Re: IDL's Table Widget
Posted by [davidf](#) on Mon, 17 May 1999 07:00:00 GMT
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Phil Aldis (phil_aldis@my-dejanews.com) writes:

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> 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?

Don't *EVEN* get me started! :-(

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: IDL's Table Widget
Posted by [R.Bauer](#) on Tue, 18 May 1999 07:00:00 GMT
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phil_aldis@my-dejanews.com wrote:

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> 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
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If you don't define a value keyword in the definition of widget_table you'll never be able to set a value by widget_control.

The widget builder did not define value=value in the definition.

R.Bauer

Subject: Re: IDL's Table Widget
Posted by [Michael Asten](#) on Tue, 18 May 1999 07:00:00 GMT
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The table widget requires a double click to "activate" the cell, then a Enter to accept the change. Yes, it is disgracefully unintuitive and undocumented. No, David Fanning is not being unhelpful, but just showing his war wounds (see much discussion in the newsgroup archive circa feb-march 1999).

Use of the table widget is demoed in the idl routine XVAREEDIT which is called in a demo program appended below. As a digression, I repeat a point made last Feb, that the old idl 4.x version of XVAREEDIT (same name, different routine, no table widget) is vastly more user friendly, and one I regularly use for editing lists of variables packed into a structure. Who would want to use the dreaded idl5.x table widget, and have program users phone in each day to say the widget has frozen ? (If you want a copy of xvareedit from idl 4.x, email me; I'm reluctant to add it to the newsgroup since it is rsi copyright).

Regards,
Michael Asten

;

```

; program to demonstrate use of XVAREEDIT for editing mixed string and
;   real numbers, in a widget
; this works in idl 5.x, but note the edit process on each cell of the
widget
;   requires a double click to "activate" the cell, and a Press Enter
;   to confirm changes to the cell.
; This program works more cleanly and more intuitively with the different
;   procedure (of the same name) XVAREEDIT in IDL 4.x
;   (in directory \rsi\idl40\lib).
;
; demo by Michael Asten, Monash University, Melbourne. 9 Jan 99.
;
x=10.*indgen(5*36)
y=sin(x!*pi/180)
plot,x,y
xmin=0 & xmax=(5*360) & ymin=-1. & ymax=1.
title='XVAR TEST'
print,title,xmin,xmax,ymin,ymax
; now set up a structure to pass plot parameters to an edit widget
plot_par={plot_title:title,Xaxis_left_limit:xmin,Xaxis_right_limit:xmax, $
          Yaxis_lower_limit:ymin,Yaxis_top_limit:ymax}
xvareedit,plot_par      ; edit the parameters in a widget
title=plot_par.plot_title ; now extract the edited parameters from
the structure
xmin=plot_par.Xaxis_left_limit
xmax=plot_par.Xaxis_right_limit
ymin=plot_par.Yaxis_lower_limit
ymax=plot_par.Yaxis_top_limit

print,title,xmin,xmax,ymin,ymax ; print the new values
plot,x,y,title=title,xrange=[xmin,xmax],yrange=[ymin,ymax] ; draw the new
plot
end

```

phil_aldis@my-dejanews.com wrote:

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> has a good tutorial on how to use it. Specifically, I'm having problems
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> Phil
>

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> P.S Please post replies to newsgroup as I need to read them at work :)
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> ---Share what you know. Learn what you don't.---

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?

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>> Phil

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>>
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>
> -----

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> 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 [ $i_{1/2}A$ ]
> # name 5 = oxT: oxygen, temperature [deg C]
> # name 6 = wetStar: WET Labs, WETStar chlorophyll concentration [ $i_{1/2}g/l$ ]
> # name 7 = par: irradiance (PAR)
> # name 8 = dz/dt: descent rate [m/s]

```

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> # 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
> # datscnv_date = Nov 10 1997 13:15:20, 4.224
> # datscnv_in = BE020721.HEX 25_OX462.CON
> # datscnv_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
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> 1698 12.240 45.110057 21.9383 20.31556 22.03754 7.3839 1.753e-02
0.175 6.76025 92.82569 12.172 31.2552 1021.4456 0.000e+00
> 1699 12.259 45.111212 21.9375 20.31556 22.03754 7.2993 1.753e-02
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> 1700 12.287 45.112703 21.9372 20.32840 22.03754 7.3416 1.753e-02
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> 1701 12.315 45.114231 21.9368 20.32840 22.03754 7.2569 1.753e-02
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> 1702 12.343 45.115722 21.9362 20.31556 22.02945 7.3204 1.753e-02
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> 1703 12.381 45.114604 21.9367 20.31556 22.03754 7.2781 1.753e-02
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> 1704 12.419 45.104429 21.9428 20.31556 22.02945 7.2358 1.753e-02
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> 1705 12.456 45.101039 21.9412 20.30272 22.02945 7.2146 1.753e-02
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> 1706 12.484 45.101374 21.9409 20.30272 22.02945 7.2993 1.753e-02
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> 1708 12.550 45.112332 21.9374 20.31556 22.03754 7.2358 1.753e-02
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> 1710 12.597 45.115351 21.9364 20.31556 22.03754 7.3204 1.753e-02
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> 1711 12.606 45.114233 21.9365 20.31556 22.02945 7.3416 1.753e-02
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> 1715 12.682 45.105922 21.9403 20.32840 22.03754 7.2569 1.753e-02

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> 1725 13.095 45.115726 21.9362 20.30272 22.02945 7.3628 1.753e-02
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> 1726 13.123 45.117217 21.9365 20.31556 22.02945 7.3204 1.753e-02
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> 1727 13.161 45.111216 21.9383 20.28987 22.03754 7.2993 1.753e-02
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> 1728 13.189 45.115354 21.9323 20.31556 22.03754 7.3628 1.753e-02
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> 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
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> 1734 13.339 45.129295 21.9304 20.32840 22.02945 7.2358 1.753e-02
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> 1736 13.386 45.135334 21.9293 20.32840 22.02945 7.3628 1.753e-02
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> 1739 13.471 45.137236 21.9282 20.30272 22.02945 7.2358 1.753e-02

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> 1742 13.565 45.135633 21.9290 20.31556 22.02945 7.2146 1.753e-02
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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
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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
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* 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 [$i_{\frac{1}{2}A}$]

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# name 5 = oxT: oxygen, temperature [deg C]
# name 6 = wetStar: WET Labs, WETStar chlorophyll concentration [ $\mu\text{g/l}$ ]
# 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 [ $\text{kg/m}^3$ ]
# name 14 = E: stability, E [ $\text{rad}^2/\text{m}$ ]
# name 15 = N^2: buoyancy frequency, N^2 [ $\text{rad}^2/\text{s}^2$ ]
# 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

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# 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
# 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

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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 127 times