

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.917494
R Square	0.841795
Adjusted R Square	0.840958
Standard Error	0.238435
Observations	191

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	57.17292	57.17292	1005.656	1.34E-77
Residual	189	10.74491	0.056851		
Total	190	67.91783			

	<i>Coefficient</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	1.811865	0.070695	25.6293	2.06E-63	1.672412	1.951317	1.672412	1.951317
Ln (W1/W2)	0.825414	0.026028	31.71207	1.34E-77	0.77407	0.876757	0.77407	0.876757

Jpper 95.0%  
1.951317  
0.876757

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.438494
R Square	0.192277
Adjusted R Square	0.188003
Standard Error	0.238435
Observations	191

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2.557802	2.557802	44.99102	2.23E-10
Residual	189	10.74491	0.056851		
Total	190	13.30271			

	<i>Coefficient</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>
Intercept	1.811865	0.070695	25.6293	2.06E-63	1.672412	1.951317	1.672412
Ln (W2/W1)	0.174586	0.026028	6.707534	2.23E-10	0.123243	0.22593	0.123243

0.825414

0.825414

Jpper 95.0%  
1.951317  
0.22593

TC	W1	W2	LnCost	LnW1	LnW2	Ln (TC/W1)
96.00354	23.21524	1.032132	4.564385	3.144809	0.031627	1.419576182
94.50417	23.39549	1.030228	4.548644	3.152543	0.02978	1.39610087
99.24626	24.20747	1.15182	4.597604	3.186661	0.141343	1.410943104
104.5109	26.18346	1.395334	4.649292	3.265128	0.333134	1.384163588
96.09284	27.48578	1.439352	4.565315	3.313669	0.364193	1.251646193
125.236	27.45692	1.441416	4.8302	3.312618	0.365626	1.517581872
186.9177	28.02827	1.309793	5.230668	3.333214	0.269869	1.897454773
205.5607	25.30238	1.18241	5.325741	3.230899	0.167554	2.094842761
190.211	26.23237	1.225869	5.248134	3.266994	0.20365	1.981140067
171.5279	27.0545	2.119783	5.144746	3.297853	0.751314	1.846892742
174.8579	27.33444	2.141716	5.163974	3.308147	0.761608	1.855826207
161.1252	27.77213	2.070312	5.082182	3.324033	0.727699	1.758148748
138.0608	28.13557	1.924666	4.927694	3.337035	0.654753	1.590659405
113.5819	28.60163	1.88163	4.732524	3.353464	0.632138	1.379060214
116.399	29.24805	1.701735	4.757024	3.375813	0.531649	1.381211136
94.55771	30.77263	1.762634	4.54921	3.426626	0.566809	1.122584505
102.9265	30.69032	1.740322	4.634015	3.423947	0.55407	1.210068125
116.3737	30.78213	1.822132	4.756807	3.426934	0.600007	1.329872537
100.7494	32.23269	1.867685	4.612636	3.472981	0.6247	1.139655378
104.6648	32.34958	1.925583	4.650763	3.476601	0.655229	1.174161782
113.0866	32.4635	1.9795	4.728154	3.480116	0.682844	1.248037762
104.6628	33.05493	2.034926	4.650743	3.498171	0.710459	1.152572733
93.88568	34.51294	2.093939	4.542078	3.541334	0.739047	1.000743613
130.7064	25.34504	1.943433	4.872953	3.232583	0.664456	1.640370351
123.8138	25.27528	1.98891	4.818779	3.229827	0.687587	1.588952116
122.0082	26.23913	2.275757	4.804088	3.267252	0.822313	1.536836169
111.1017	27.51653	2.801745	4.710446	3.314787	1.030242	1.395659122
102.8068	28.69792	3.114531	4.632851	3.356825	1.136079	1.276026405
116.3347	28.89993	3.397947	4.756471	3.363839	1.223171	1.39263196
156.6123	29.80325	4.156971	5.053774	3.394617	1.424787	1.659156082
154.4118	27.33181	3.812254	5.039623	3.308051	1.338221	1.731571635
156.788	29.04332	4.050975	5.054894	3.368788	1.398958	1.686105989
99.24803	29.37843	3.753594	4.597622	3.380261	1.322714	1.21736133
120.5641	29.7593	3.802257	4.792182	3.393142	1.335595	1.399040041
139.9155	30.51352	3.67549	4.941039	3.41817	1.301687	1.522868872
110.8757	31.13594	3.416921	4.70841	3.438363	1.22874	1.270047262
85.1864	31.94052	3.340517	4.444842	3.463875	1.206126	0.980966512
95.35825	32.33114	3.021145	4.557641	3.476031	1.105636	1.081609855
98.88859	34.5349	3.054897	4.593994	3.54197	1.116746	1.052023568
100.1258	35.19039	2.980387	4.606428	3.560773	1.092053	1.04565457
103.4433	35.49313	2.943132	4.639024	3.569339	1.079474	1.069684665
119.5559	36.37728	2.987279	4.783784	3.593944	1.094363	1.189839484
130.9151	36.56704	3.044038	4.874549	3.599147	1.113185	1.275401788
120.9242	36.71827	3.129271	4.795164	3.603274	1.1408	1.191889842
115.0481	37.19876	3.213761	4.74535	3.616275	1.167442	1.129074706
112.3045	38.13775	3.303746	4.721214	3.641205	1.195057	1.080009474
186.5277	40.4047	5.134169	5.22858	3.698946	1.635918	1.529633599
173.852	41.09132	5.229316	5.158204	3.715797	1.654281	1.442407587
159.7649	42.05528	5.880297	5.073703	3.738985	1.771607	1.334718361
157.6556	44.8282	6.898894	5.060413	3.802837	1.931361	1.257575688
154.8194	46.26178	7.4002	5.042259	3.834316	2.001507	1.207943033
180.196	44.96146	6.807041	5.194045	3.805806	1.917958	1.388239494
232.1758	46.5748	7.384016	5.447495	3.84106	1.999318	1.606435442
230.6526	52.82246	8.374527	5.440913	3.966936	2.125195	1.473976268
270.0133	50.99933	8.085486	5.598471	3.931812	2.090071	1.666658646
315.9547	66.94032	10.98435	5.755599	4.203801	2.396472	1.551797504
332.8599	68.04115	11.16499	5.807722	4.220113	2.412783	1.58760891
338.6708	67.25352	10.79275	5.825028	4.208469	2.378875	1.616559036

335.1732	66.07887	10.03349	5.814647	4.190849	2.305928	1.623798281
254.8414	65.43913	9.809133	5.540641	4.18112	2.283314	1.35952076
273.2915	66.33809	8.871323	5.610539	4.194764	2.182824	1.415774792
173.9573	51.3682	7.438203	5.15881	3.939019	2.006629	1.219790534
195.3504	51.19172	7.361718	5.274795	3.935578	1.996293	1.339216926
221.1782	51.5459	7.705902	5.398969	3.942473	2.041986	1.456495845
175.6116	58.32855	8.815552	5.168275	4.066092	2.176517	1.102182822
183.4465	58.73997	8.938969	5.211923	4.07312	2.19042	1.138802403
176.3923	60.2175	9.8865	5.172711	4.097963	2.29117	1.074747582
183.8341	61.46823	10.08423	5.214034	4.11852	2.310973	1.095513227
189.5144	63.09376	10.38676	5.244465	4.144622	2.340532	1.099843116
124.3137	29.88068	2.36053	4.822809	3.397212	0.858886	1.425596346
133.2865	30.34873	2.469782	4.892501	3.412755	0.90413	1.479746611
134.1982	31.11745	2.787301	4.899318	3.437769	1.025074	1.46154897
130.9787	33.67565	3.422969	4.875034	3.516775	1.230508	1.358259261
124.8982	33.92373	3.718076	4.827499	3.524115	1.313206	1.303384282
170.6302	32.66499	3.485992	5.139499	3.486304	1.248753	1.653194782
196.3585	32.97692	3.672931	5.279942	3.495808	1.30099	1.78413384
181.4339	32.37606	3.606008	5.200891	3.477419	1.282601	1.72347176
177.4427	33.73898	3.757808	5.178648	3.518654	1.323836	1.65999356
317.7758	65.89641	9.275511	5.761346	4.188084	2.227378	1.573262062
338.4489	65.75234	9.255232	5.824373	4.185895	2.225189	1.638477874
357.2292	70.84141	8.946664	5.878378	4.260444	2.191281	1.617934058
331.3952	75.60964	8.31727	5.803312	4.325584	2.118334	1.477727787
275.4201	80.82129	8.131293	5.618298	4.39224	2.09572	1.226057079
288.1391	82.33687	7.353894	5.663443	4.410819	1.99523	1.25262445
280.7859	81.12228	7.522284	5.637592	4.395958	2.01787	1.241634613
282.1727	80.90063	7.460626	5.642519	4.393222	2.009639	1.2492979
298.0801	81.25358	7.793579	5.697362	4.397575	2.0533	1.299787408
269.7116	82.34804	7.965038	5.597353	4.410955	2.075062	1.186398531
267.3536	83.07709	8.180094	5.588572	4.419769	2.101704	1.168803076
268.9192	84.18014	8.409137	5.594411	4.432959	2.129319	1.161451983
256.9655	85.78418	8.636183	5.548942	4.451835	2.155961	1.097107299
249.908	88.05736	8.86936	5.521093	4.477988	2.182603	1.04310433
148.4002	32.89948	4.16417	4.999913	3.493457	1.426517	1.50645604
148.4429	33.7625	4.2417	5.0002	3.519351	1.444964	1.480849344
160.3043	35.16947	4.653907	5.077074	3.560179	1.537707	1.516895301
162.1541	38.34922	5.423744	5.088547	3.646734	1.690786	1.441812801
151.4095	38.61727	5.271986	5.019988	3.6537	1.662407	1.366288746
152.093	38.35766	5.591044	5.024492	3.646954	1.721166	1.377537999
237.3092	42.05336	6.201367	5.469364	3.738939	1.82477	1.730424528
278.9063	41.65306	6.142337	5.630876	3.729375	1.815205	1.901501065
306.3468	42.57432	6.278191	5.724718	3.751251	1.837082	1.97346643
253.128	40.61903	5.398965	5.533895	3.704237	1.686207	1.829658497
288.3248	40.05377	5.323832	5.664088	3.690223	1.672193	1.97386467
272.1339	40.2363	5.146337	5.606294	3.694769	1.638285	1.911524865
230.2108	40.23427	4.784294	5.438996	3.694719	1.565339	1.744276333
173.8026	40.48732	4.677315	5.15792	3.700989	1.542724	1.456931444
197.6242	41.14802	4.230137	5.286367	3.717176	1.442234	1.569191498
141.4757	31.79641	3.79641	4.952128	3.459353	1.334056	1.492774225
116.23	31.70311	3.763108	4.755571	3.456415	1.325245	1.299155954
109.5683	31.89627	3.946268	4.696548	3.462489	1.37277	1.234058707
130.722	33.41657	3.99757	4.873073	3.509052	1.385687	1.364020754
122.4946	33.57053	4.057534	4.808067	3.513649	1.400575	1.294418619
117.7923	33.82645	4.122454	4.768923	3.521243	1.416449	1.247680133
117.5951	34.30541	4.188413	4.767247	3.535303	1.432322	1.231944257
117.0061	37.18443	4.255428	4.762226	3.61589	1.448195	1.14633619
62.79787	16.98085	0.660852	4.139921	2.832086	-0.41422	1.307834707
47.61227	16.93588	0.655883	3.863091	2.829435	-0.42177	1.033655949

66.69372	16.9657	0.685696	4.200111	2.831193	-0.37732	1.368917405
74.27795	15.13855	0.692553	4.307814	2.717245	-0.36737	1.590569471
66.24651	16.00648	0.699479	4.193383	2.772994	-0.35742	1.420389187
67.81349	16.81197	0.709971	4.216761	2.822091	-0.34253	1.394669884
59.39098	16.91162	0.720621	4.084142	2.828001	-0.32764	1.256141391
57.2357	17.04643	0.73143	4.047178	2.835941	-0.31275	1.211237099
215.637	61.03284	1.514415	5.373596	4.111412	0.415029	1.262184255
207.3965	62.23561	1.547225	5.334633	4.130927	0.436463	1.203705267
200.7579	66.12649	1.773488	5.3021	4.191569	0.572948	1.11053035
194.5849	67.95465	1.980975	5.270869	4.218841	0.683589	1.052028101
172.3506	68.54365	1.835302	5.149531	4.227471	0.607209	0.922060207
200.707	68.18614	1.940113	5.301846	4.222241	0.662746	1.079604858
257.5105	69.04193	1.998214	5.551061	4.234714	0.692254	1.316346482
305.9284	65.47287	1.894918	5.723351	4.181636	0.639175	1.541715039
332.7285	65.32075	1.890515	5.807327	4.17931	0.636849	1.62801695
85.09044	18.9891	1.073222	4.443715	2.943865	0.070665	1.499849336
83.74726	20.32537	1.148745	4.427803	3.01187	0.13867	1.415933359
72.69448	20.29153	1.110446	4.286266	3.010204	0.104762	1.276061843
61.02271	20.21787	1.032326	4.111246	3.006567	0.031815	1.10467921
54.87664	20.19924	1.009243	4.005088	3.005645	0.009201	0.999442539
67.40979	20.69882	0.912754	4.21079	3.030076	-0.09129	1.180713717
59.18879	21.7827	0.9427	4.080732	3.081116	-0.05901	0.99961615
60.21552	21.73161	0.931609	4.09793	3.078768	-0.07084	1.019162355
68.73537	21.77597	0.975971	4.230264	3.080807	-0.02432	1.149456756
88.78138	24.46561	0.990611	4.486177	3.197268	-0.00943	1.288908473
85.84125	24.52844	1.008442	4.4525	3.199833	0.008406	1.2526663
80.15959	24.59159	1.025585	4.384019	3.202404	0.025264	1.181615159
79.3761	24.65502	1.04302	4.374197	3.204981	0.042121	1.169216749
79.37336	25.23875	1.060752	4.374163	3.228381	0.058978	1.145782259
78.80664	19.43649	0.368218	4.366997	2.967152	-0.99908	1.39984498
62.98787	18.3355	0.347361	4.142942	2.908839	-1.05739	1.23410317
59.52395	18.45121	0.33578	4.086379	2.91513	-1.0913	1.171249094
48.53892	18.55487	0.312158	3.882366	2.920732	-1.16425	0.9616337
44.42774	18.67518	0.305178	3.793864	2.927195	-1.18686	0.86666883
55.26173	19.21195	0.276001	4.012081	2.955532	-1.28735	1.056548198
49.08339	20.22588	0.285885	3.893521	3.006963	-1.25217	0.886557455
47.61227	20.18238	0.282377	3.863091	3.00481	-1.26451	0.858280802
51.04111	20.20465	0.294654	3.932631	3.005913	-1.22195	0.926718494
67.02795	22.03219	0.29819	4.20511	3.092505	-1.21002	1.112605059
71.3385	22.08007	0.302067	4.267436	3.094675	-1.19711	1.172760934
62.91189	22.12899	0.305993	4.141735	3.096889	-1.18419	1.04484658
64.28163	22.17797	0.309971	4.163274	3.0991	-1.17128	1.064174422
58.99103	22.472	0.314001	4.077385	3.11227	-1.15836	0.965115301
120.7517	26.43313	1.385012	4.793736	3.274618	0.325709	1.519118255
134.6698	25.99396	1.362001	4.902826	3.257864	0.308955	1.644962017
114.2586	26.2879	1.316592	4.738465	3.269109	0.275046	1.469355828
95.10672	26.53462	1.22397	4.555	3.27845	0.2021	1.276549251
98.42699	26.8466	1.196602	4.589315	3.290139	0.179486	1.299175795
89.16512	27.52625	1.0822	4.49049	3.31514	0.078996	1.175349757
77.23416	28.96781	1.117813	4.346842	3.366185	0.111374	0.980656477
84.02166	28.89796	1.107964	4.431075	3.363771	0.102525	1.06730348
110.9294	28.94721	1.157207	4.708894	3.365474	0.14601	1.343419836
93.49052	30.67835	1.180351	4.53786	3.423557	0.165812	1.114302793
91.33387	30.76686	1.20986	4.514522	3.426438	0.190505	1.088083595
98.77497	30.85369	1.237687	4.592844	3.429256	0.213244	1.163587937
93.67887	30.94115	1.266154	4.539873	3.432087	0.235984	1.107785527
84.07908	31.16754	1.296542	4.431758	3.439377	0.2597	0.992380592
222.7145	44.11946	4.847167	5.405891	3.786901	1.578394	1.618989875
215.0861	44.95249	5.031159	5.371039	3.805606	1.61565	1.565432438

211.1141	46.92341	5.659481	5.352399	3.848517	1.733332	1.503881819
219.9019	50.98166	6.605281	5.393181	3.931466	1.88787	1.46171543
294.1307	54.57049	6.470987	5.684024	3.999493	1.867329	1.684530789
319.9971	51.20248	6.250197	5.768312	3.935788	1.832613	1.832524031
362.153	53.0632	6.506636	5.892067	3.971484	1.872823	1.920583173
307.8585	46.13417	5.656995	5.72964	3.831554	1.732893	1.898086322
313.1065	49.29349	6.044393	5.746543	3.897792	1.799131	1.848751302
51.97065	18.54827	1.758268	3.950679	2.920376	0.564329	1.030302649
96.62491	18.50543	1.745434	4.570837	2.918064	0.557003	1.652772152
91.19346	18.58244	1.822439	4.512983	2.922217	0.600176	1.590766193
65.26441	18.87949	1.842485	4.178447	2.938076	0.611115	1.24037099
62.52289	18.94244	1.866438	4.135533	2.941405	0.624032	1.194127863
57.42884	19.0113	1.896301	4.050547	2.945034	0.639905	1.105513049
55.07701	19.25464	1.926642	4.008732	2.957752	0.655778	1.05098018
52.72654	19.98447	1.957468	3.965119	2.994955	0.671652	0.970163583



Ln (W2/W1)	Ln (C/W2)	Ln (W1/W2)
-3.113181949	4.532758	3.113182
-3.122762711	4.518864	3.122763
-3.045317714	4.456261	3.045318
-2.931994158	4.316158	2.931994
-2.949475479	4.201122	2.949475
-2.946991834	4.464574	2.946992
-3.063344118	4.960799	3.063344
-3.063344118	5.158187	3.063344
-3.063344118	5.044484	3.063344
-2.546539781	4.393433	2.54654
-2.546539781	4.402366	2.54654
-2.59633352	4.354482	2.596334
-2.682282046	4.272941	2.682282
-2.721325233	4.100385	2.721325
-2.844164255	4.225375	2.844164
-2.859816648	3.982401	2.859817
-2.869877251	4.079945	2.869877
-2.826927188	4.1568	2.826927
-2.848281192	3.987937	2.848281
-2.821372126	3.995534	2.821372
-2.797272189	4.04531	2.797272
-2.787711242	3.940284	2.787711
-2.802287477	3.803031	2.802287
-2.568127051	4.208497	2.568127
-2.542240373	4.131192	2.54224
-2.444939169	3.981775	2.444939
-2.284544437	3.680204	2.284544
-2.220745981	3.496772	2.220746
-2.140667713	3.5333	2.140668
-1.969830735	3.628987	1.969831
-1.969830735	3.701402	1.969831
-1.969830735	3.655937	1.969831
-2.057546828	3.274908	2.057547
-2.057546828	3.456587	2.057547
-2.116483232	3.639352	2.116483
-2.209622702	3.47967	2.209623
-2.257749636	3.238716	2.25775
-2.37039525	3.452005	2.370395
-2.425224457	3.477248	2.425224
-2.468719707	3.514374	2.46872
-2.489864758	3.559549	2.489865
-2.499581309	3.689421	2.499581
-2.485962392	3.761364	2.485962
-2.462474472	3.654364	2.462474
-2.448833525	3.577908	2.448834
-2.446147412	3.526157	2.446147
-2.063028059	3.592662	2.063028
-2.061516273	3.503924	2.061516
-1.967377761	3.302096	1.967378
-1.871476308	3.129052	1.871476
-1.832809138	3.040752	1.832809
-1.887848079	3.276088	1.887848
-1.841741906	3.448177	1.841742
-1.841741906	3.315718	1.841742
-1.841741906	3.508401	1.841742
-1.807329684	3.359127	1.80733
-1.807329684	3.394939	1.80733
-1.829594685	3.446154	1.829595

-1.884920977	3.508719	1.884921
-1.897806566	3.257327	1.897807
-2.011940297	3.427715	2.01194
-1.932390082	3.152181	1.93239
-1.939284483	3.278501	1.939284
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-1.889574319	2.991757	1.889574
-1.882700108	3.021503	1.8827
-1.80679281	2.88154	1.806793
-1.807547631	2.903061	1.807548
-1.804090198	2.903933	1.80409
-2.53832599	3.963922	2.538326
-2.508624794	3.988371	2.508625
-2.412695236	3.874244	2.412695
-2.286266883	3.644526	2.286267
-2.210908476	3.514293	2.210908
-2.237551248	3.890746	2.237551
-2.194818066	3.978952	2.194818
-2.194818066	3.91829	2.194818
-2.194818066	3.854812	2.194818
-1.960706326	3.533968	1.960706
-1.960706326	3.599184	1.960706
-2.069162895	3.687097	2.069163
-2.207249689	3.684977	2.20725
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-2.335892919	3.522291	2.335893
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-2.295873905	3.392981	2.295874
-2.295385752	3.33849	2.295386
-2.066939862	3.573396	2.06694
-2.0743866	3.555236	2.074387
-2.022471471	3.539367	2.022471
-1.955947844	3.397761	1.955948
-1.991292402	3.357581	1.991292
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-1.914169485	3.644594	1.914169
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-1.914169485	3.887636	1.914169
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-3.620261535	4.542322	3.620262
-3.559494818	4.6391	3.559495
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-3.542460446	5.170477	3.54246
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-2.873200312	4.289134	2.8732
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-2.974751977	4.079431	2.974752
-2.996444479	3.995887	2.996444
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-3.140123654	4.13974	3.140124
-3.14960989	4.168772	3.14961
-3.105129168	4.254586	3.105129
-3.20670192	4.49561	3.206702
-3.191426846	4.444093	3.191427
-3.177140718	4.358756	3.177141
-3.162859819	4.332077	3.16286
-3.169402736	4.315185	3.169403
-3.966231114	5.366076	3.966231
-3.966231114	5.200334	3.966231
-4.006430012	5.177679	4.00643
-4.084979269	5.046613	4.084979
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-4.259129463	5.145687	4.259129
-4.269321888	5.127603	4.269322
-4.227865462	5.154584	4.227865
-4.302528475	5.415134	4.302528
-4.291782916	5.464544	4.291783
-4.281080123	5.325927	4.28108
-4.270374744	5.334549	4.270375
-4.270629137	5.235744	4.270629
-2.948909527	4.468028	2.94891
-2.948909527	4.593872	2.94891
-2.994062244	4.463418	2.994062
-3.076350631	4.3529	3.076351
-3.11065367	4.409829	3.110654
-3.236144612	4.411494	3.236145
-3.254811171	4.235468	3.254811
-3.261246626	4.32855	3.261247
-3.21946409	4.562884	3.219464
-3.257744971	4.372048	3.257745
-3.235933261	4.324017	3.235933
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-3.196103279	4.303889	3.196103
-3.179676833	4.172057	3.179677
-2.208506545	3.827496	2.208507
-2.189955824	3.755388	2.189956

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-2.04359646	3.505312	2.043596
-2.132164646	3.816695	2.132165
-2.103175126	3.935699	2.103175
-2.098661074	4.019244	2.098661
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-2.098661074	3.947412	2.098661
-2.356047034	3.38635	2.356047
-2.361061074	4.013833	2.361061
-2.322041448	3.912808	2.322041
-2.32696044	3.567331	2.32696
-2.317373097	3.511501	2.317373
-2.305128539	3.410642	2.305129
-2.301973763	3.352954	2.301974
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