Keuwl Accelerometer Data File

2024-04-24 17:12:38

Time (s), X (m/s2), Y (m/s2), Z (m/s2), R (m/s2), Theta (deg), Phi (deg)

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0.0186631,-3.411000,8.827050,0.025950,9.463214,89.842880,111.127823

0.0233287,-3.138000,8.968950,0.019050,9.502078,89.885132,109.283600

0.0279938,-2.997000,9.160050,0.031050,9.637919,89.815414,108.117149

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0.0373244,-3.058950,9.273001,0.010950,9.764520,89.935745,108.256538

0.0419902,-3.201000,9.285001,-0.025950,9.821320,90.151390,109.021614

0.0466567,-3.402000,9.354000,-0.061950,9.953630,90.356606,109.986061

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0.0653191,-4.075050,9.268050,-0.028050,10.124405,90.158737,113.734512

0.0699861,-4.105950,9.282001,-0.022950,10.149625,90.129555,113.862495

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1.8753971,-3.634050,9.337050,0.016050,10.019336,89.908218,111.266357

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1.8893939,-3.511950,9.340051,0.021000,9.978517,89.879417,110.606750

1.8940582,-3.454050,9.343950,0.009000,9.961926,89.948235,110.287148

1.8987236,-3.450000,9.361051,0.004050,9.976562,89.976738,110.231285

1.9033881,-3.454050,9.376050,0.004050,9.992036,89.976776,110.223328

1.9080540,-3.481050,9.388050,0.000000,10.012651,90.000000,110.344574

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1.9220519,-3.636000,9.402000,0.031050,10.080628,89.823517,111.142792

1.9267162,-3.712950,9.406950,0.040050,10.113274,89.773102,111.539291

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1.9360486,-3.802050,9.366000,0.058950,10.108463,89.665863,112.094284

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1.9500442,-3.921000,9.310950,0.061950,10.103063,89.648674,112.836792

1.9547077,-3.957000,9.322950,0.022950,10.127971,89.870171,112.998138

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1.9780329,-3.817950,9.285001,-0.031050,10.039370,90.177208,112.352242

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2.0106874,-3.520950,9.367950,0.040050,10.007856,89.770706,110.598763

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2.0200171,-3.568950,9.378000,0.040050,10.034236,89.771309,110.835136

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2.0993221,-3.459000,9.397051,-0.010950,10.013459,90.062653,110.208366

2.1039855,-3.454050,9.399000,-0.016050,10.013587,90.091835,110.177933

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2.1133149,-3.493050,9.397051,0.081000,10.025594,89.537086,110.390991

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2.1366413,-4.078950,9.310950,0.076050,10.165502,89.571358,113.657310

2.1413050,-4.162950,9.292050,0.064050,10.182164,89.639587,114.132950

2.1459701,-4.222950,9.268050,0.001950,10.184795,89.989029,114.496193

2.1506355,-4.246950,9.270000,-0.021000,10.196565,90.118004,114.614372

2.1553016,-4.233000,9.289050,-0.040050,10.208151,90.224792,114.498650

2.1599677,-4.182000,9.273001,-0.034950,10.172458,90.196854,114.274742

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2.2019510,-3.361050,9.342000,0.093000,9.928659,89.463310,109.787636

2.2066169,-3.375000,9.340051,0.100050,9.931625,89.422798,109.867172

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2.2159476,-3.402000,9.331950,0.172050,9.934209,89.007645,110.029533

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2.2252784,-3.486000,9.334950,0.190950,9.966441,88.902184,110.477409

2.2299435,-3.543000,9.340051,0.189000,9.991252,88.916100,110.773445

2.2346094,-3.579000,9.318001,0.190950,9.983529,88.904068,111.011551

2.2392733,-3.622050,9.328051,0.166950,10.007979,89.044167,111.221024

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2.2579341,-3.676950,9.364051,0.019050,10.060108,89.891502,111.438278

2.2625988,-3.682050,9.376050,-0.013950,10.073133,90.079346,111.440338

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2.3372428,-3.486000,9.421050,0.004050,10.045318,89.976898,110.305603

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2.6031730,-3.957000,9.361051,0.085950,10.163390,89.515457,112.914215

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2.6171701,-3.945000,9.292050,0.057000,10.094973,89.676483,113.003967

2.6218374,-3.925950,9.292050,0.019050,10.087400,89.891800,112.904366

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2.7804694,-3.118950,9.411000,0.058950,9.914547,89.659325,108.335991

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2.7897997,-3.220050,9.507001,0.058950,10.037692,89.663506,108.711395

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2.8084641,-3.523950,9.438001,0.058950,10.074599,89.664742,110.474571

2.8131297,-3.589050,9.388050,0.082950,10.051052,89.527138,110.921844

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2.8224628,-3.700950,9.292050,0.112050,10.002589,89.358154,111.717003

2.8271294,-3.736950,9.286950,0.082950,10.010950,89.525246,111.919228

2.8317962,-3.754050,9.280050,0.057000,10.010768,89.673767,112.024765

2.8364608,-3.715050,9.289050,0.064050,10.004606,89.633186,111.798378

2.8411260,-3.720000,9.298950,0.067050,10.015656,89.616432,111.803642

2.8457916,-3.718050,9.355950,0.016050,10.067669,89.908661,111.672852

2.8504562,-3.727050,9.382951,-0.034950,10.096132,90.198341,111.663727

2.8551230,-3.759000,9.403951,-0.046950,10.127516,90.265617,111.787857

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2.8644540,-3.852000,9.445050,-0.004050,10.200338,90.022751,112.187241

2.8691206,-3.892950,9.435000,-0.045000,10.206680,90.252609,112.421402

2.8737855,-3.909000,9.388050,-0.079050,10.169662,90.445374,112.605888

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2.8831174,-3.964050,9.307950,-0.037950,10.116969,90.214928,113.068085

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2.8924484,-3.913950,9.250951,-0.019050,10.044872,90.108658,112.932556

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2.9017799,-3.814050,9.256050,0.000000,10.011066,90.000000,112.394615

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2.9111116,-3.688950,9.301050,0.001950,10.005893,89.988831,111.634094

2.9157774,-3.627000,9.328051,0.001950,10.008379,89.988838,111.247437

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2.9251070,-3.505050,9.355950,0.010950,9.990961,89.937202,110.537621

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2.9950912,-3.823050,9.256050,0.000000,10.014499,90.000000,112.442223

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3.0837305,-3.952050,9.297001,0.045000,10.102225,89.744774,113.029800

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3.1537130,-3.616950,9.388050,0.076050,10.060994,89.566902,111.070267

3.1583786,-3.715050,9.379951,0.136050,10.089776,89.227402,111.606682

3.1630430,-3.802050,9.378000,0.129000,10.120234,89.269646,112.068726

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3.1723757,-3.936000,9.337050,0.094950,10.133194,89.463120,112.857681

3.1770420,-3.957000,9.316051,0.093000,10.122021,89.473564,113.013397

3.1817083,-3.952050,9.298950,0.069000,10.104155,89.608734,113.025475

3.1863735,-3.937950,9.306001,0.052050,10.105039,89.704872,112.936256

3.1910391,-3.900000,9.330001,-0.001950,10.112315,90.011047,112.685242

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3.3030381,-3.943050,9.402000,-0.160050,10.196611,90.899376,112.752403

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3.3310425,-3.856950,9.301050,0.013950,10.069052,89.920624,112.522758

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3.7416809,-3.802050,9.241051,-0.009000,9.992632,90.051605,112.363762

3.7463462,-3.747000,9.222000,-0.037950,9.954232,90.218437,112.112450

3.7510123,-3.688950,9.229051,-0.058950,9.939175,90.339828,111.787117

3.7556794,-3.601050,9.253051,-0.069000,9.929314,90.398155,111.264709

3.7603452,-3.550050,9.286950,-0.093000,9.942784,90.535927,110.919968

3.7650118,-3.499950,9.330001,-0.121950,9.965612,90.701149,110.562508

3.7696769,-3.457050,9.367950,-0.165000,9.986837,90.946671,110.255547

3.7743425,-3.445050,9.418950,-0.178950,10.030803,91.022217,110.090363

3.7790091,-3.469050,9.447001,-0.196050,10.065712,91.116020,110.163834

3.7836745,-3.532950,9.474000,-0.201000,10.113298,91.138817,110.450996

3.7883420,-3.598050,9.478050,-0.213000,10.140255,91.203606,110.787727

3.7930086,-3.703050,9.478050,-0.165000,10.177094,90.928970,111.340462

3.7976747,-3.817950,9.462001,-0.100050,10.203735,90.561806,111.974243

3.8023415,-3.919050,9.421050,-0.043050,10.203773,90.241730,112.586754

3.8070066,-3.985950,9.378000,-0.019050,10.189949,90.107117,113.027046

3.8116727,-3.993000,9.313050,0.009000,10.132968,89.949112,113.207390

3.8163393,-4.041000,9.234000,0.034950,10.079567,89.801331,113.635239

3.8210044,-4.036050,9.198001,0.022950,10.044573,89.869087,113.691696

3.8256700,-4.017000,9.177000,-0.001950,10.017666,90.011154,113.640182

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3.8350017,-3.907050,9.229051,0.013950,10.022006,89.920250,112.945007

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3.8536670,-3.475950,9.418950,-0.138000,10.040812,90.787491,110.255974

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3.8629968,-3.292050,9.435000,-0.160050,9.994121,90.917595,109.234848

3.8676629,-3.214950,9.433050,-0.129000,9.966694,90.741608,108.820015

3.8723307,-3.202950,9.439950,-0.133950,9.969428,90.769852,108.741943

3.8769972,-3.189000,9.442950,-0.136050,9.967826,90.782051,108.660454

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3.9003234,-3.751050,9.394951,-0.067050,10.116323,90.379753,111.764969

3.9049900,-3.888000,9.364051,0.004050,10.139132,89.977112,112.548470

3.9096558,-3.985950,9.337050,0.010950,10.152263,89.938202,113.117447

3.9143221,-4.065000,9.313050,-0.019050,10.161570,90.107414,113.580513

3.9189866,-4.138950,9.289050,-0.016050,10.169446,90.090431,114.016464

3.9236524,-4.165950,9.289050,-0.009000,10.180455,90.050652,114.155266

3.9283190,-4.162950,9.286950,0.028050,10.177346,89.842087,114.144691

3.9329839,-4.150950,9.273001,0.028050,10.159711,89.841812,114.115120

3.9376507,-4.110000,9.292050,0.010950,10.160434,89.938255,113.860458

3.9423170,-4.048050,9.298950,-0.031050,10.141901,90.175415,113.524620

3.9469836,-3.967050,9.304050,-0.045000,10.114587,90.254913,113.092377

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3.9563177,-3.775050,9.298950,-0.057000,10.036171,90.325409,112.095444

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3.9703159,-3.511950,9.366000,-0.046950,10.002897,90.268929,110.554436

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3.9843132,-3.409050,9.415951,-0.052050,10.014213,90.297806,109.902817

3.9889815,-3.423000,9.411000,-0.064050,10.014387,90.366455,109.987503

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3.9983137,-3.511950,9.385051,-0.037950,10.020700,90.216988,110.516190

4.0029802,-3.574050,9.370951,-0.043050,10.029477,90.245934,110.876686

4.0076451,-3.628950,9.364051,-0.022950,10.042672,90.130936,111.183372

4.0123110,-3.703050,9.364051,-0.025950,10.069692,90.147652,111.576515

4.0169778,-3.771000,9.340051,-0.010950,10.072593,90.062286,111.986153

4.0216441,-3.804000,9.337050,0.016050,10.082221,89.908791,112.166435

4.0263109,-3.847050,9.313050,0.057000,10.076505,89.675888,112.444626

4.0309763,-3.889950,9.286950,0.043050,10.068814,89.755028,112.726959

4.0356431,-3.909000,9.280050,0.013950,10.069747,89.920624,112.842102

4.0403109,-3.936000,9.244050,-0.049950,10.047241,90.284851,113.063698

4.0449762,-3.912000,9.265051,-0.046950,10.057193,90.267471,112.891022

4.0496435,-3.943050,9.286950,-0.045000,10.089456,90.255547,113.005089

4.0543084,-3.936000,9.307950,-0.097950,10.106415,90.555313,112.921768

4.0589743,-3.964050,9.343950,-0.165000,10.151370,90.931328,112.988457

4.0636406,-3.988050,9.367950,-0.189000,10.183259,91.063461,113.060043

4.0683069,-4.036050,9.370951,-0.220050,10.205530,91.235497,113.301453

4.0729728,-4.033950,9.355950,-0.178950,10.190122,91.006233,113.323975

4.0776405,-3.988050,9.331950,-0.136050,10.149302,90.768066,113.139656

4.0823064,-3.913950,9.337050,-0.079050,10.124514,90.447357,112.742691

4.0869732,-3.826050,9.322950,-0.046950,10.077612,90.266930,112.312782

4.0916386,-3.679950,9.337050,-0.049950,10.036187,90.285164,111.510559

4.0963044,-3.556950,9.355950,-0.061950,10.009472,90.354614,110.815826

4.1009707,-3.475950,9.376050,-0.004050,9.999628,90.023209,110.341080

4.1056366,-3.439950,9.388050,0.046950,9.998548,89.730957,110.123741

4.1103029,-3.390000,9.397051,0.076050,9.990118,89.563828,109.836983

4.1149702,-3.352050,9.385051,0.064050,9.965918,89.631760,109.655159

4.1196342,-3.342000,9.364051,0.069000,9.942795,89.602379,109.641319

4.1242995,-3.378000,9.352051,0.057000,9.943590,89.671562,109.859932

4.1289649,-3.438000,9.307950,0.013950,9.922600,89.919449,110.272301

4.1336312,-3.519000,9.322950,-0.033000,9.965032,90.189743,110.679298

4.1382990,-3.615000,9.304050,-0.046950,9.981772,90.269493,111.233162

4.1429634,-3.742050,9.306001,-0.067050,10.030408,90.383003,111.905632

4.1476288,-3.865950,9.304050,-0.093000,10.075692,90.528854,112.563499

4.1522956,-3.964050,9.294001,-0.121950,10.104801,90.691490,113.099075

4.1569614,-4.036050,9.310950,-0.141000,10.149058,90.796028,113.435455

4.1616278,-4.045950,9.325050,-0.165000,10.166292,90.929955,113.455048

4.1662936,-4.042950,9.328051,-0.153000,10.167664,90.862206,113.432800

4.1709595,-3.993000,9.346951,-0.193050,10.165963,91.088104,113.132088

4.1756253,-3.957000,9.349051,-0.184050,10.153644,91.038628,112.940590

4.1802902,-3.897000,9.355950,-0.142950,10.136116,90.808075,112.613014

4.1849556,-3.811050,9.349051,-0.112050,10.096603,90.635872,112.177788

4.1896238,-3.751050,9.331950,-0.088050,10.058003,90.501587,111.898048

4.1942887,-3.694050,9.319950,-0.034950,10.025403,90.199745,111.621368

4.1989541,-3.619950,9.322950,-0.010950,10.001078,90.062729,111.220383

4.2036200,-3.604950,9.318001,0.004050,9.991037,89.976776,111.150467

4.2082853,-3.580950,9.318001,0.021000,9.982424,89.879463,111.021996

4.2129517,-3.577050,9.307950,0.034950,9.971682,89.799179,111.021797

4.2176166,-3.574050,9.318001,0.081000,9.980257,89.534981,110.985016

4.2222838,-3.553050,9.298950,0.109950,9.955236,89.367188,110.911430

4.2269506,-3.547950,9.318001,0.052050,9.970747,89.700897,110.844986

4.2316170,-3.550050,9.354000,-0.013950,10.005017,90.079887,110.782867

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4.2456160,-3.562050,9.466950,-0.019050,10.114925,90.107910,110.619392

4.2502828,-3.526050,9.486000,-0.040050,10.120219,90.226746,110.390656

4.2549491,-3.514050,9.483001,-0.118950,10.113853,90.673874,110.332848

4.2596154,-3.510000,9.478050,-0.150000,10.108216,90.850266,110.321068

4.2642827,-3.519000,9.450001,-0.165000,10.085291,90.937424,110.424370

4.2689476,-3.531000,9.402000,-0.109950,10.043788,90.627235,110.584091

4.2736139,-3.601050,9.394951,-0.112050,10.062068,90.638054,110.971642

4.2782803,-3.631950,9.352051,-0.088050,10.032929,90.502838,111.224113

4.2829466,-3.724950,9.342000,-0.079050,10.057558,90.450333,111.738731

4.2876139,-3.796950,9.316051,-0.070950,10.060351,90.404076,112.174370

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4.2969446,-3.943050,9.280050,-0.093000,10.083433,90.528450,113.020416

4.3016119,-3.973950,9.214951,-0.088050,10.035704,90.502701,113.328133

4.3062778,-3.988050,9.208051,-0.057000,10.034739,90.325455,113.417664

4.3109446,-3.988050,9.148050,-0.049950,9.979672,90.286774,113.554573

4.3156104,-3.991050,9.145950,-0.079050,9.979136,90.453873,113.575180

4.3202758,-3.993000,9.178950,-0.142950,10.010875,90.818184,113.509865

4.3249431,-3.972000,9.232051,-0.174000,10.051758,90.991859,113.279320

4.3296075,-3.976050,9.298950,-0.193050,10.115172,91.093567,113.150612

4.3342743,-3.936000,9.352051,-0.150000,10.147682,90.846962,112.824776

4.3389421,-3.900000,9.376050,-0.130950,10.155662,90.738808,112.585037

4.3436069,-3.885000,9.402000,-0.150000,10.174150,90.844757,112.450905

4.3482738,-3.873000,9.411000,-0.165000,10.178127,90.928879,112.369110

4.3529406,-3.847050,9.382951,-0.178950,10.142563,91.010948,112.293839

4.3576059,-3.826050,9.370951,-0.189000,10.123691,91.069725,112.209625

4.3622723,-3.804000,9.370951,-0.145950,10.114665,90.826782,112.093971

4.3669376,-3.793950,9.352051,-0.150000,10.093434,90.851509,112.081467

4.3716040,-3.804000,9.355950,-0.088050,10.100098,90.499496,112.125977

4.3762708,-3.814050,9.367950,-0.076050,10.114903,90.430786,112.153114

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4.3856015,-3.850050,9.366000,-0.100050,10.126937,90.566071,112.345932

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4.3949332,-3.856950,9.301050,-0.073950,10.069314,90.420792,112.522758

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4.4042673,-3.832950,9.237000,-0.049950,10.000809,90.286171,112.536308

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4.4136019,-3.766050,9.193951,-0.016050,9.935398,90.092560,112.275116

4.4182677,-3.727050,9.222000,-0.070950,9.946920,90.408684,112.005981

4.4229350,-3.687000,9.246000,-0.109950,9.954626,90.632851,111.740486

4.4276004,-3.648000,9.289050,-0.126000,9.980493,90.723358,111.440956

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4.4462647,-3.634050,9.486000,-0.256050,10.161500,91.443893,110.961647

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4.4555988,-3.723000,9.450001,-0.256050,10.160158,91.444084,111.502869

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4.4742632,-4.029000,9.337050,-0.094950,10.169679,90.534958,113.340523

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4.4929285,-4.042950,9.334950,-0.124050,10.173599,90.698647,113.417351

4.4975944,-4.030950,9.328051,-0.057000,10.161906,90.321381,113.370720

4.5022597,-3.948000,9.289050,-0.025950,10.093257,90.147308,113.026299

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4.5162573,-3.463950,9.262951,-0.097950,9.889935,90.567467,110.503662

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4.5302567,-3.277050,9.337050,-0.064050,9.895639,90.370850,109.339684

4.5349226,-3.313050,9.330001,-0.073950,9.901045,90.427940,109.549774

4.5395885,-3.391950,9.342000,-0.085950,9.939098,90.495483,109.955254

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4.5489206,-3.601050,9.330001,-0.094950,10.001275,90.543961,111.104820

4.5535855,-3.691050,9.340051,-0.079050,10.043239,90.450981,111.563202

4.5582523,-3.775050,9.343950,-0.033000,10.077772,90.187614,111.999207

4.5629196,-3.828000,9.373051,-0.034950,10.124667,90.197784,112.215347

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4.5722528,-3.885000,9.379951,-0.073950,10.152939,90.417320,112.498421

4.5769191,-3.919050,9.376050,-0.057000,10.162309,90.321373,112.684204

4.5815854,-3.940050,9.355950,-0.073950,10.152008,90.417358,112.837311

4.5862522,-3.969000,9.334950,-0.070950,10.143929,90.400749,113.034050

4.5909176,-3.961950,9.307950,-0.049950,10.116199,90.282906,113.057137

4.5955834,-3.936000,9.297001,-0.046950,10.095966,90.266449,112.945969

4.6002507,-3.924000,9.258000,-0.081000,10.055592,90.461533,112.969643

4.6049161,-3.864000,9.234000,-0.097950,10.010338,90.560638,112.707047

4.6095824,-3.808950,9.202950,-0.105000,9.960593,90.603996,112.483864

4.6142492,-3.756000,9.222000,-0.129000,9.958386,90.742226,112.160423

4.6189151,-3.712950,9.273001,-0.166950,9.990115,90.957542,111.821381

4.6235819,-3.684000,9.282001,-0.181050,9.988001,91.038643,111.647987

4.6282473,-3.640950,9.304050,-0.201000,9.993111,91.152519,111.371872

4.6329141,-3.624000,9.340051,-0.165000,10.019837,90.943550,111.206573

4.6375818,-3.601050,9.367950,-0.153000,10.037403,90.873390,111.026817

4.6422477,-3.583950,9.391951,-0.172050,10.054006,90.980530,110.886757

4.6469145,-3.598050,9.403951,-0.136050,10.069695,90.774139,110.937378

4.6515799,-3.601050,9.426001,-0.133950,10.091332,90.760551,110.908546

4.6562457,-3.591000,9.415951,-0.153000,10.078631,90.869820,110.875557

4.6609125,-3.595950,9.411000,-0.124050,10.075375,90.705452,110.911896

4.6655779,-3.580950,9.397051,-0.088050,10.056616,90.501656,110.860428

4.6702447,-3.607950,9.397051,-0.009000,10.065881,90.051231,111.004044

4.6749115,-3.603000,9.382951,-0.033000,10.050993,90.188118,111.006508

4.6795759,-3.643950,9.379951,-0.070950,10.063145,90.403969,111.230293

4.6842418,-3.688950,9.354000,-0.076050,10.055419,90.433334,111.522858

4.6889071,-3.736950,9.313050,-0.046950,10.034934,90.268066,111.863594

4.6935730,-3.793950,9.292050,-0.040050,10.036825,90.228630,112.210228

4.6982398,-3.828000,9.270000,-0.057000,10.029444,90.325630,112.437935

4.7029057,-3.897000,9.274950,-0.102000,10.060900,90.580887,112.790390

4.7075715,-3.940050,9.258000,-0.133950,10.062430,90.762741,113.053795

4.7122383,-3.988050,9.262951,-0.157950,10.086216,90.897285,113.293701

4.7169027,-3.996000,9.280050,-0.181050,10.105451,91.026573,113.296768

4.7215686,-4.008000,9.313050,-0.165000,10.140226,90.932350,113.285301

4.7262344,-3.996000,9.349051,-0.186000,10.168941,91.048058,113.142982

4.7309003,-3.952050,9.366000,-0.169050,10.167067,90.952713,112.877655

4.7355657,-3.916950,9.403951,-0.142950,10.188092,90.803947,112.612793

4.7402306,-3.850050,9.414001,-0.117000,10.171528,90.659073,112.243126

4.7448964,-3.790050,9.397051,-0.133950,10.133459,90.757393,111.965370

4.7495627,-3.718050,9.385051,-0.142950,10.095717,90.811302,111.611855

4.7542286,-3.652950,9.388050,-0.141000,10.074692,90.801910,111.261330

4.7588944,-3.595950,9.342000,-0.162000,10.011497,90.927170,111.052864

4.7635598,-3.547950,9.330001,-0.129000,9.982660,90.740417,110.820473

4.7682257,-3.529050,9.346951,-0.118950,9.991688,90.682114,110.684616

4.7728925,-3.532950,9.361051,-0.157950,10.006795,90.904411,110.676987

4.7775578,-3.550050,9.373051,-0.160050,10.024099,90.914856,110.744225

4.7822237,-3.547950,9.364051,-0.142950,10.014681,90.817871,110.751228

4.7868910,-3.583950,9.364051,-0.150000,10.027595,90.857101,110.943596

4.7915578,-3.634050,9.354000,-0.141000,10.036111,90.804993,111.231262

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4.8008919,-3.739050,9.319950,-0.177000,10.043570,91.009789,111.860054

4.8055587,-3.792000,9.319950,-0.142950,10.062860,90.813957,112.139893

4.8102250,-3.864000,9.322950,-0.100050,10.092468,90.568001,112.512108

4.8148904,-3.933000,9.319950,-0.097950,10.116302,90.554771,112.879646

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4.8242240,-3.996000,9.334950,-0.142950,10.155282,90.806549,113.174255

4.8288889,-3.991050,9.337050,-0.154950,10.155442,90.874245,113.143913

4.8335557,-3.981000,9.337050,-0.114000,10.150954,90.643471,113.091751

4.8382220,-3.937950,9.366000,-0.145950,10.161236,90.822990,112.804398

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4.8568859,-3.718050,9.394951,-0.178950,10.105494,91.014656,111.591171

4.8615537,-3.648000,9.385051,-0.189000,10.070889,91.075333,111.241264

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4.8708854,-3.555000,9.318001,-0.177000,9.974692,91.016762,110.882835

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4.9082131,-3.667950,9.411000,-0.061950,10.100723,90.351410,111.293419

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4.9268770,-3.876000,9.439950,-0.153000,10.205853,90.858978,112.322830

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4.9502072,-3.925950,9.316051,-0.162000,10.110792,90.918060,112.851425

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5.6034656,-3.454050,9.366000,-0.049950,9.982731,90.286690,110.243271

5.6081314,-3.370950,9.391951,-0.040050,9.978660,90.229958,109.744034

5.6127968,-3.286950,9.418950,-0.069000,9.976243,90.396286,109.237556

5.6174631,-3.232050,9.409050,-0.043050,9.948780,90.247932,108.957825

5.6221304,-3.208050,9.423000,-0.073950,9.954396,90.425644,108.801086

5.6267948,-3.201000,9.418950,-0.070950,9.948269,90.408630,108.770164

5.6314616,-3.201000,9.414001,-0.093000,9.943765,90.535873,108.779343

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5.6407924,-3.304050,9.411000,-0.076050,9.974441,90.436852,109.345352

5.6454587,-3.373050,9.399000,-0.055050,9.986075,90.315857,109.741707

5.6501236,-3.430950,9.411000,-0.049950,10.017027,90.285706,110.030243

5.6547894,-3.507000,9.426001,-0.076050,10.057550,90.433243,110.408020

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5.6734538,-3.768000,9.354000,-0.105000,10.084948,90.596550,111.940674

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5.6827850,-3.889950,9.292050,-0.133950,10.074317,90.761841,112.715752

5.6874499,-3.949950,9.246000,-0.145950,10.055443,90.831650,113.132484

5.6921153,-4.020000,9.241051,-0.150000,10.078687,90.852760,113.509789

5.6967807,-4.063050,9.232051,-0.174000,10.088083,90.988289,113.754425

5.7014465,-4.077000,9.244050,-0.165000,10.104534,90.935638,113.799423

5.7061119,-4.075050,9.253051,-0.166950,10.112016,90.945999,113.768730

5.7107763,-4.051050,9.282001,-0.210000,10.129691,91.187889,113.578453

5.7154422,-4.053000,9.304050,-0.189000,10.150266,91.066917,113.538750

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5.7247744,-3.988050,9.343950,-0.189000,10.161185,91.065773,113.113060

5.7294402,-4.003050,9.325050,-0.210000,10.150127,91.185501,113.232841

5.7341056,-3.988050,9.307950,-0.229050,10.128917,91.295769,113.193016

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5.8227539,-3.883050,9.346951,-0.193050,10.123281,91.092690,112.559708

5.8274188,-3.871050,9.367950,-0.225000,10.138745,91.271614,112.451523

5.8320842,-3.885000,9.385051,-0.232050,10.160032,91.308723,112.487411

5.8367500,-3.925950,9.391951,-0.237000,10.182239,91.333725,112.685524

5.8414159,-3.957000,9.358951,-0.256050,10.164318,91.443497,112.918831

5.8460813,-3.948000,9.328051,-0.250950,10.132236,91.419220,112.940002

5.8507466,-3.985950,9.301050,-0.226950,10.121701,91.284798,113.197479

5.8554120,-3.981000,9.265051,-0.201000,10.086126,91.141884,113.252190

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5.8740740,-3.859050,9.261001,-0.033000,10.032921,90.188454,112.621445

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5.9020691,-3.742050,9.352051,-0.112050,10.073547,90.637321,111.807907

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5.9114017,-3.634050,9.318001,-0.165000,10.002934,90.945145,111.305946

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5.9300656,-3.616950,9.361051,-0.220050,10.037929,91.256134,111.125679

5.9347305,-3.667950,9.366000,-0.190950,10.060431,91.087555,111.386505

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6.2380219,-3.859050,9.394951,-0.142950,10.157647,90.806358,112.330795

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6.5179887,-3.514050,9.378000,-0.217050,10.017113,91.241577,110.541580

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6.5319862,-3.775050,9.385051,-0.148050,10.116921,90.838493,111.912003

6.5366516,-3.856950,9.373051,-0.118950,10.136287,90.672386,112.366852

6.5413170,-3.945000,9.352051,-0.100050,10.150561,90.564751,112.871605

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6.5599794,-4.060050,9.318001,-0.043050,10.164202,90.242676,113.543777

6.5646453,-4.041000,9.343950,-0.043050,10.180420,90.242287,113.387146

6.5693102,-3.981000,9.325050,-0.082950,10.139616,90.468727,113.118347

6.5739770,-3.916950,9.306001,-0.100050,10.097235,90.567734,112.826508

6.5786433,-3.828000,9.261001,-0.148050,10.022058,90.846428,112.457573

6.5833073,-3.747000,9.226951,-0.177000,9.960319,91.018227,112.101730

6.5879717,-3.667950,9.241051,-0.210000,9.944595,91.210007,111.649078

6.5926361,-3.562050,9.258000,-0.229050,9.922260,91.322762,111.044418

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6.6346235,-3.624000,9.358951,-0.169050,10.037525,90.965012,111.167542

6.6392908,-3.711000,9.354000,-0.133950,10.064134,90.762611,111.639648

6.6439543,-3.790050,9.379951,-0.121950,10.117452,90.690628,112.001595

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6.6532860,-3.955050,9.390000,-0.090000,10.189339,90.506088,112.840736

6.6579514,-4.021950,9.370951,-0.093000,10.198012,90.522514,113.228691

6.6626182,-4.081950,9.337050,-0.121950,10.191060,90.685638,113.613876

6.6672840,-4.099050,9.316051,-0.141000,10.178944,90.793694,113.749435

6.6719499,-4.069950,9.307950,-0.114000,10.159499,90.642929,113.617607

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6.7792716,-4.150950,9.286950,-0.117000,10.173078,90.658974,114.083015

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6.8586011,-3.648000,9.358951,-0.106950,10.045362,90.610023,111.295204

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6.8865976,-4.276050,9.364051,-0.097950,10.294641,90.545158,114.543587

6.8912640,-4.303950,9.346951,-0.079050,10.290565,90.440140,114.724449

6.8959293,-4.242000,9.310950,-0.069000,10.231965,90.386383,114.493660

6.9005961,-4.137000,9.325050,-0.057000,10.201695,90.320129,113.924164

6.9052615,-4.024050,9.310950,-0.057000,10.143472,90.321968,113.373260

6.9099274,-3.900000,9.297001,-0.070950,10.082126,90.403206,112.757568

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7.0312510,-3.664950,9.343950,-0.153000,10.038161,90.873329,111.416458

7.0359168,-3.610050,9.318001,-0.186000,9.994609,91.066338,111.177742

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7.1945691,-3.781950,9.307950,-0.112050,10.047568,90.638969,112.112595

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7.4605737,-3.375000,9.411000,-0.268050,10.001470,91.535774,109.728996

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7.4699035,-3.445050,9.391951,-0.189000,10.005640,91.082344,110.143486

7.4745722,-3.517050,9.385051,-0.126000,10.023208,90.720276,110.543503

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7.4839039,-3.703050,9.366000,-0.085950,10.071838,90.488953,111.572433

7.4885697,-3.816000,9.340051,-0.145950,10.090575,90.828758,112.223114

7.4932356,-3.924000,9.328051,-0.177000,10.121346,91.002029,112.814873

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7.5025682,-4.029000,9.361051,-0.169050,10.192678,90.950317,113.287064

7.5072351,-4.012050,9.376050,-0.189000,10.200127,91.061707,113.166283

7.5119023,-3.961950,9.391951,-0.238950,10.196219,91.342857,112.872223

7.5165687,-3.921000,9.391951,-0.306000,10.182171,91.722145,112.659813

7.5212345,-3.856950,9.388050,-0.318000,10.154441,91.794586,112.334633

7.5259023,-3.775050,9.354000,-0.337050,10.092667,91.913780,111.977821

7.5305681,-3.670050,9.322950,-0.331950,10.024813,91.897575,111.487457

7.5352359,-3.568950,9.304050,-0.328050,9.970475,91.885498,110.986366

7.5399022,-3.463950,9.310950,-0.328050,9.939837,91.891312,110.406700

7.5445685,-3.385050,9.310950,-0.325050,9.912519,91.879173,109.979027

7.5492358,-3.342000,9.328051,-0.274950,9.912472,91.589462,109.711296

7.5539012,-3.331950,9.328051,-0.250950,9.908450,91.451279,109.656570

7.5585680,-3.373050,9.337050,-0.246000,9.930685,91.419456,109.862473

7.5632348,-3.462000,9.361051,-0.241050,9.983627,91.383514,110.295921

7.5679021,-3.511950,9.373051,-0.189000,10.011173,91.081749,110.540268

7.5725689,-3.577050,9.366000,-0.141000,10.026820,90.805733,110.902786

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7.5819001,-3.724950,9.370951,-0.138000,10.085089,90.784035,111.677803

7.5865664,-3.850050,9.378000,-0.196050,10.139439,91.107903,112.320145

7.5912323,-3.916950,9.382951,-0.232050,10.170355,91.307388,112.658295

7.5958986,-3.981000,9.376050,-0.202950,10.188222,91.141411,113.005714

7.6005645,-3.997950,9.388050,-0.217050,10.206184,91.218575,113.066986

7.6052308,-3.981000,9.409050,-0.226950,10.219104,91.272552,112.933380

7.6098967,-3.949950,9.391951,-0.237000,10.191516,91.332512,112.810043

7.6145625,-3.889950,9.385051,-0.307950,10.163942,91.736229,112.513206

7.6192279,-3.852000,9.367950,-0.330000,10.134362,91.866020,112.351936

7.6238947,-3.796950,9.331950,-0.301050,10.079324,91.711571,112.140244

7.6285605,-3.706050,9.316051,-0.295950,10.030513,91.690758,111.693329

7.6332264,-3.615000,9.289050,-0.232050,9.970383,91.333618,111.264389

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7.7032228,-4.113000,9.316051,-0.234000,10.186281,91.316322,113.821274

7.7078891,-4.170000,9.328051,-0.259950,10.221008,91.457359,114.086494

7.7125554,-4.180050,9.297001,-0.313050,10.198286,91.759048,114.209290

7.7172222,-4.177950,9.285001,-0.313050,10.186486,91.761086,114.226204

7.7218890,-4.120050,9.274950,-0.298950,10.153270,91.687248,113.951401

7.7265549,-4.036050,9.262951,-0.316050,10.108998,91.791603,113.543709

7.7312212,-3.912000,9.261001,-0.328050,10.058703,91.868950,112.900002

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7.7405543,-3.672000,9.270000,-0.289050,9.974971,91.660522,111.609337

7.7452216,-3.580950,9.249001,-0.258000,9.921380,91.490112,111.164986

7.7498884,-3.517050,9.270000,-0.213000,9.917052,91.230705,110.776810

7.7545562,-3.475950,9.286950,-0.208050,9.918314,91.201942,110.520035

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7.7685575,-3.529050,9.399000,-0.130950,10.040545,90.747276,110.579689

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7.7778907,-3.619950,9.438001,-0.153000,10.109565,90.867157,110.984344

7.7825580,-3.643950,9.438001,-0.162000,10.118324,90.917374,111.111244

7.7872252,-3.706050,9.423000,-0.198000,10.127535,91.120239,111.469627

7.7918921,-3.747000,9.406950,-0.234000,10.128448,91.323837,111.718506

7.7965593,-3.739050,9.378000,-0.271950,10.099572,91.542984,111.737389

7.8012252,-3.763050,9.330001,-0.277050,10.064106,91.577469,111.965599

7.8058925,-3.754050,9.313050,-0.294000,10.045508,91.677101,111.954147

7.8105607,-3.730050,9.298950,-0.304050,10.023782,91.738213,111.857002

7.8152270,-3.748950,9.297001,-0.286950,10.028520,91.639648,111.961411

7.8198938,-3.754050,9.270000,-0.294000,10.005610,91.683792,112.046356

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7.8385601,-3.811050,9.280050,-0.229050,10.034735,91.307930,112.326546

7.8432274,-3.799050,9.306001,-0.190950,10.053402,91.088318,112.207077

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8.3145781,-3.897000,9.343950,-0.193050,10.125873,91.092415,112.639130

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8.3892450,-3.960000,9.337050,-0.117000,10.142771,90.660942,112.982620

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8.3985796,-4.053000,9.286950,-0.130950,10.133677,90.740410,113.577362

8.4032459,-4.063050,9.277050,-0.160050,10.129050,90.905373,113.651878

8.4079123,-4.051050,9.270000,-0.186000,10.118227,91.053307,113.605637

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8.4172468,-3.957000,9.280050,-0.241050,10.091348,91.368744,113.093330

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8.4265795,-3.784950,9.310950,-0.286950,10.054949,91.635338,112.122002

8.4312487,-3.699000,9.331950,-0.286950,10.042422,91.637383,111.622391

8.4359140,-3.607950,9.313050,-0.307950,9.992249,91.766075,111.176765

8.4405813,-3.541050,9.337050,-0.328050,9.991355,91.881554,110.769089

8.4452486,-3.498000,9.346951,-0.318000,9.985120,91.825027,110.517845

8.4499149,-3.454050,9.366000,-0.301050,9.987144,91.727371,110.243271

8.4545822,-3.474000,9.358951,-0.298950,9.987392,91.715279,110.364700

8.4592485,-3.498000,9.376050,-0.256050,10.010589,91.465668,110.459450

8.4639168,-3.541050,9.397051,-0.202950,10.044143,91.157784,110.647697

8.4685841,-3.586050,9.394951,-0.190950,10.057899,91.087830,110.891838

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8.4779177,-3.756000,9.378000,-0.112050,10.102820,90.635475,111.826691

8.4825840,-3.804000,9.361051,-0.088050,10.104822,90.499260,112.115089

8.4872494,-3.877950,9.349051,-0.082950,10.121765,90.469559,112.528488

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8.4965811,-3.940050,9.306001,-0.130950,10.106572,90.742401,112.947220

8.5012474,-3.907050,9.319950,-0.145950,10.106820,90.827423,112.744095

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8.5199137,-3.835050,9.298950,-0.270000,10.062355,91.537582,112.412109

8.5245781,-3.808950,9.307950,-0.283950,10.061146,91.617241,112.255104

8.5292444,-3.759000,9.286950,-0.298950,10.023317,91.709129,112.036209

8.5339108,-3.706050,9.282001,-0.301050,9.999048,91.725311,111.765480

8.5385771,-3.675000,9.310950,-0.306000,10.014642,91.750961,111.538979

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8.5479116,-3.643950,9.330001,-0.304050,10.020965,91.738701,111.333763

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8.6039095,-3.802050,9.399000,-0.154950,10.140059,90.875572,112.024139

8.6085758,-3.829950,9.382951,-0.165000,10.135853,90.932747,112.204391

8.6132431,-3.820950,9.378000,-0.201000,10.128522,91.137108,112.167831

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8.6272421,-3.699000,9.316051,-0.262950,10.026991,91.502708,111.655884

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8.6459064,-3.451950,9.352051,-0.229050,9.971423,91.316238,110.259689

8.6505718,-3.435000,9.366000,-0.184050,9.977728,91.056946,110.140617

8.6552391,-3.430950,9.367950,-0.150000,9.977595,90.861397,110.114922

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8.6645718,-3.507000,9.366000,-0.136050,10.001976,90.779381,110.527885

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8.6739035,-3.619950,9.373051,-0.126000,10.048581,90.718452,111.116974

8.6785688,-3.682050,9.391951,-0.093000,10.088354,90.528191,111.407326

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8.7112322,-4.029000,9.307950,-0.198000,10.144456,91.118370,113.405655

8.7158985,-4.021950,9.297001,-0.232050,10.132333,91.312302,113.393661

8.7205648,-3.996000,9.274950,-0.274950,10.102886,91.559494,113.308212

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9.3132019,-3.622050,9.418950,-0.355950,10.097651,92.020142,111.034210

9.3178682,-3.742050,9.418950,-0.307950,10.139743,91.740372,111.667404

9.3225355,-3.844950,9.421050,-0.294000,10.179698,91.654991,112.201515

9.3272028,-3.957000,9.397051,-0.268050,10.199719,91.505913,112.835449

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9.3458662,-4.126950,9.270000,-0.082950,10.147488,90.468369,113.998352

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9.3551979,-4.051050,9.222000,-0.105000,10.073099,90.597252,113.714973

9.3598623,-3.969000,9.217951,-0.160050,10.037390,90.913643,113.295403

9.3645287,-3.856950,9.237000,-0.196050,10.011827,91.122032,112.663193

9.3691940,-3.723000,9.268050,-0.186000,9.989599,91.066872,111.885460

9.3738604,-3.571950,9.304050,-0.190950,9.967980,91.097641,111.002464

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9.3831921,-3.373050,9.361051,-0.229050,9.952848,91.318695,109.815521

9.3878584,-3.318000,9.390000,-0.306000,9.963677,91.759918,109.461098

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9.3971910,-3.331950,9.406950,-0.330000,9.985064,91.893936,109.504189

9.4018583,-3.403950,9.409050,-0.319950,10.010967,91.831482,109.888809

9.4065256,-3.498000,9.442950,-0.292050,10.074255,91.661224,110.326401

9.4111919,-3.591000,9.478050,-0.304050,10.140077,91.718269,110.750465

9.4158592,-3.711000,9.474000,-0.304050,10.179422,91.711624,111.390457

9.4205265,-3.838050,9.433050,-0.295950,10.188260,91.664574,112.140060

9.4251938,-3.933000,9.409050,-0.265050,10.201420,91.488808,112.685020

9.4298601,-4.008000,9.349051,-0.226950,10.174494,91.278130,113.205139

9.4345274,-4.057950,9.282001,-0.214950,10.132556,91.215553,113.614220

9.4391937,-4.057950,9.244050,-0.181050,10.097137,91.027412,113.700500

9.4438591,-4.005000,9.225000,-0.166950,10.058256,90.951057,113.467903

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9.4531927,-3.871050,9.214951,-0.141000,9.996011,90.808220,112.786484

9.4578581,-3.808950,9.226951,-0.169050,9.983652,90.970215,112.431183

9.4625244,-3.727050,9.246000,-0.201000,9.970948,91.155083,111.954292

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9.4718561,-3.571950,9.282001,-0.153000,9.946747,90.881355,111.047997

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9.4811878,-3.495000,9.337050,-0.165000,9.971096,90.948166,110.521637

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9.4905205,-3.498000,9.349051,-0.237000,9.984835,91.360100,110.513618

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9.5231867,-4.048050,9.399000,-0.403950,10.241635,92.260445,113.301033

9.5278530,-4.099050,9.367950,-0.375000,10.232368,92.100273,113.632317

9.5325184,-4.134000,9.304050,-0.325050,10.186313,91.828644,113.956657

9.5371847,-4.173000,9.220051,-0.294000,10.124707,91.663979,114.351532

9.5418510,-4.153950,9.178950,-0.225000,10.077651,91.279327,114.349213

9.5465174,-4.137000,9.154950,-0.214950,10.048586,91.225708,114.317574

9.5511847,-4.072050,9.148050,-0.181050,10.015048,91.035835,113.995171

9.5558491,-3.976050,9.166950,-0.142950,9.993116,90.819633,113.448189

9.5605154,-3.861000,9.210000,-0.106950,9.987135,90.613579,112.744324

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9.5791779,-3.387000,9.391951,-0.181050,9.985654,91.038887,109.830719

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9.6071777,-3.483000,9.462001,-0.217050,10.085032,91.233215,110.208862

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9.6305113,-3.880950,9.268050,-0.214950,10.050111,91.225525,112.721260

9.6351786,-3.909000,9.246000,-0.217050,10.040712,91.238663,112.917542

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9.6491785,-4.027050,9.250951,-0.198000,10.091404,91.124252,113.524071

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9.6865091,-3.469050,9.439950,-0.490050,10.069117,92.789612,110.177673

9.6911755,-3.505050,9.469050,-0.520950,10.110374,92.953545,110.312462

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9.7005081,-3.675000,9.519000,-0.435000,10.213041,92.441116,111.110077

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13.1164236,-5.652000,8.146951,0.094950,9.915994,89.451363,124.751236

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13.1257553,-5.724000,8.188050,0.021000,9.990435,89.879562,124.956146

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13.9657812,-4.531950,8.638050,0.691050,9.779162,85.947784,117.683731

13.9704494,-4.390950,8.662050,0.735000,9.739187,85.671867,116.881279

13.9751158,-4.285050,8.638050,0.699000,9.667790,85.853783,116.384483

13.9797821,-4.198950,8.668950,0.663000,9.655126,86.062500,115.844002

13.9844494,-4.162950,8.671950,0.646050,9.641071,86.157722,115.643227

13.9891167,-4.126950,8.688001,0.634050,9.639248,86.228477,115.408524

13.9937840,-4.105950,8.692950,0.655950,9.636207,86.096779,115.282822

13.9984512,-4.132050,8.704950,0.652950,9.657968,86.123428,115.392670

14.0031185,-4.149000,8.715000,0.627000,9.672567,86.283340,115.457985

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14.0124502,-4.266000,8.722051,0.610050,9.728571,86.404793,116.063499

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14.0311203,-4.726050,8.691000,0.553050,9.908324,86.800278,118.536758

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14.0544558,-5.454000,8.935050,0.595950,10.485056,86.741661,121.400108

14.0591240,-5.506050,9.012000,0.604950,10.578218,86.721565,121.423622

14.0637903,-5.503950,9.031051,0.651000,10.596090,86.477661,121.360107

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14.0824575,-4.855050,8.881950,0.744000,10.149586,85.796249,118.661888

14.0871229,-4.644000,8.821950,0.670050,9.992122,86.154984,117.762955

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14.0964556,-4.182000,8.728951,0.567000,9.695627,86.647430,115.598869

14.1011229,-3.964050,8.736000,0.574050,9.610459,86.575584,114.406662

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14.1104555,-3.706050,8.770050,0.523950,9.535361,86.850121,112.907959

14.1151228,-3.688950,8.821950,0.486000,9.574515,87.090431,112.692528

14.1197910,-3.732000,8.848950,0.475950,9.615523,87.162811,112.867340

14.1244564,-3.816000,8.857950,0.502050,9.658011,87.020264,113.306351

14.1291218,-3.997950,8.875051,0.520950,9.747898,86.936523,114.250168

14.1337891,-4.165950,8.875051,0.508950,9.817368,87.028351,115.145370

14.1384563,-4.378950,8.842051,0.435000,9.876552,87.475662,116.346519

14.1431255,-4.555950,8.827050,0.366000,9.940194,87.889877,117.299843

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14.1991253,-5.158950,9.045000,0.687000,10.435457,86.225304,119.698921

14.2037916,-4.972050,8.965950,0.703050,10.276372,86.077087,119.010475

14.2084589,-4.759050,8.896951,0.747000,10.117425,85.765823,118.142685

14.2131262,-4.515000,8.824950,0.744000,9.940750,85.707771,117.095085

14.2177935,-4.288050,8.799001,0.754050,9.817249,85.594849,115.981537

14.2224588,-4.089000,8.791050,0.747000,9.724222,85.594284,114.944656

14.2271252,-3.949950,8.803050,0.700950,9.674044,85.844894,114.165894

14.2317924,-3.817950,8.842051,0.687000,9.655598,85.919930,113.354431

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14.2644587,-4.407000,9.057000,0.703050,10.096790,86.007202,115.946861

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14.2737913,-4.648950,9.001950,0.616950,10.150294,86.515327,117.313553

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14.3157835,-5.248050,9.208051,0.622050,10.616835,86.641068,119.680611

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14.3437805,-4.210950,8.845950,0.640950,9.818032,86.256905,115.455917

14.3484459,-4.077000,8.796000,0.612000,9.714221,86.387947,114.868011

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14.3904419,-4.362000,8.941951,0.375000,9.956212,87.841446,116.003723

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14.4464312,-4.879050,8.925000,0.450000,10.181516,87.466827,118.664207

14.4510965,-4.776000,8.893950,0.486000,10.106866,87.243805,118.235542

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14.5024176,-4.647000,9.091050,0.502050,10.222223,87.184868,117.074394

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14.5350809,-4.801950,8.941951,0.538050,10.163991,86.965523,118.236412

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17.1810951,-5.968050,8.956950,0.043050,10.763199,89.770828,123.675674

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17.2090893,-6.274951,8.389050,0.058950,10.476385,89.677597,126.796227

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17.2884140,-4.494000,8.905951,-0.157950,9.976820,90.907127,116.775810

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17.3257370,-4.716000,8.764951,0.162000,9.954459,89.067520,118.282562

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17.3397331,-4.318950,8.767051,0.253050,9.776427,88.516808,116.226440

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17.3490639,-4.105950,8.932950,0.316050,9.836478,88.158745,114.685455

17.3537312,-4.054950,9.058950,0.337050,9.930800,88.055016,114.114151

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17.3677254,-3.933000,9.261001,0.253050,10.064724,88.559303,113.010162

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17.3910522,-4.564950,9.265051,0.237000,10.331317,88.685524,116.229767

17.3957157,-4.812000,9.262951,0.270000,10.441768,88.518295,117.451378

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17.4237118,-5.818050,8.952001,-0.007050,10.676519,90.037834,123.020493

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17.4330444,-5.809950,8.698050,0.022950,10.460026,89.874290,123.741341

17.4377098,-5.703000,8.557051,0.022950,10.283378,89.872131,123.682182

17.4423752,-5.515950,8.455951,0.025950,10.096013,89.852730,123.117043

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17.6103439,-3.445050,9.246000,0.088050,9.867352,89.488724,110.435341

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17.6243401,-3.615000,9.337050,0.141000,10.013422,89.193184,111.164772

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17.6756649,-4.888950,9.174001,0.013950,10.395399,89.923111,118.053764

17.6803303,-4.936950,9.201000,-0.031050,10.441879,90.170372,118.216522

17.6849976,-4.921950,9.181951,-0.085950,10.418311,90.472687,118.193367

17.6896629,-4.861950,9.138000,-0.118950,10.351607,90.658401,118.015587

17.6943283,-4.764000,9.064051,-0.118950,10.240453,90.665543,117.726097

17.6989937,-4.636950,9.004050,-0.085950,10.128258,90.486229,117.247787

17.7036610,-4.489050,8.925000,-0.090000,9.990761,90.516144,116.701248

17.7083263,-4.321050,8.884951,-0.124050,9.880749,90.719353,115.935211

17.7129917,-4.153950,8.866051,-0.064050,9.791132,90.374809,115.104179

17.7176571,-3.969000,8.868000,0.021000,9.715700,89.876160,114.111588

17.7223244,-3.814050,8.917951,0.040050,9.699404,89.763420,113.155540

17.7269917,-3.696000,8.959050,0.034950,9.691554,89.793381,112.418289

17.7316570,-3.607950,9.040051,0.013950,9.733448,89.917885,111.757301

17.7363224,-3.550050,9.133950,0.034950,9.799649,89.795654,111.239380

17.7409897,-3.529050,9.214951,0.088050,9.867991,89.488754,110.955345

17.7456551,-3.517050,9.253051,0.157950,9.900179,89.085846,110.811615

17.7503204,-3.579000,9.274950,0.150000,9.942657,89.135574,111.100510

17.7549877,-3.660000,9.265051,0.043050,9.961859,89.752396,111.555649

17.7596531,-3.751050,9.237000,0.010950,9.969587,89.937073,112.101563

17.7643204,-3.844950,9.210000,0.025950,9.980401,89.851028,112.659348

17.7689857,-3.964050,9.201000,0.052050,10.018723,89.702332,113.307739

17.7736530,-4.072050,9.162001,0.070950,10.026409,89.594551,113.962746

17.7783184,-4.146000,9.117001,0.040050,10.015519,89.770882,114.453896

17.7829838,-4.242000,9.076051,0.045000,10.018547,89.742645,115.050629

17.7876492,-4.378950,9.070951,0.033000,10.072658,89.812286,115.768661

17.7923164,-4.486050,9.076051,0.022950,10.124222,89.870117,116.301964

17.7969818,-4.611000,9.105000,0.067050,10.206216,89.623589,116.858795

17.8016491,-4.708950,9.162001,0.058950,10.301453,89.672127,117.201591

17.8063145,-4.783050,9.220051,-0.007050,10.386865,90.038887,117.418755

17.8109798,-4.836000,9.238951,0.000000,10.428092,90.000000,117.629181

17.8156452,-4.801950,9.232051,0.013950,10.406233,89.923195,117.480705

17.8203106,-4.720950,9.186001,0.000000,10.328116,90.000000,117.199936

17.8249779,-4.585050,9.136050,-0.028050,10.222078,90.157227,116.650406

17.8296432,-4.407000,9.081000,-0.040050,10.093949,90.227333,115.887253

17.8343086,-4.206000,9.013950,-0.064050,9.947153,90.368935,115.014229

17.8389759,-4.036050,8.997001,-0.049950,9.860944,90.290230,114.160980

17.8436413,-3.892950,9.001950,-0.046950,9.807771,90.274277,113.386375

17.8483067,-3.888000,9.028050,-0.067050,9.829889,90.390816,113.299507

17.8529720,-3.925950,9.100050,-0.186000,9.912547,91.075165,113.336372

17.8576374,-4.048050,9.181951,-0.237000,10.037485,91.352966,113.791260

17.8623028,-4.237050,9.265051,-0.217050,10.190234,91.220482,114.575348

17.8669701,-4.470000,9.306001,-0.174000,10.325349,90.965576,115.656616

17.8716354,-4.656000,9.325050,-0.114000,10.423430,90.626648,116.532967

17.8763027,-4.819050,9.325050,-0.117000,10.497309,90.638618,117.329262

17.8809662,-4.951050,9.280050,-0.105000,10.518710,90.571945,118.080612

17.8856316,-5.047050,9.196051,-0.112050,10.490597,90.611984,118.759216

17.8902988,-5.107050,9.058950,-0.105000,10.399883,90.578484,119.412453

17.8949623,-5.095050,8.949000,-0.040050,10.297852,90.222832,119.654716

17.8996277,-5.085000,8.818050,0.001950,10.179157,89.989021,119.970245

17.9042931,-5.005950,8.760000,0.010950,10.089463,89.937820,119.746048

17.9089603,-4.888950,8.727000,0.010950,10.003123,89.937279,119.257973

17.9136257,-4.800000,8.776951,-0.013950,10.003753,90.079895,118.673676

17.9182911,-4.675950,8.868000,-0.058950,10.025438,90.336906,117.801941

17.9229565,-4.539000,8.976001,-0.102000,10.058903,90.581001,116.824890

17.9276218,-4.371000,9.073951,-0.142950,10.072867,90.813148,115.720520

17.9322872,-4.197000,9.169950,-0.129000,10.085606,90.732864,114.593124

17.9369526,-4.003050,9.238951,-0.142950,10.069908,90.813385,113.426109

17.9416199,-3.850050,9.289050,-0.145950,10.056373,90.831573,112.512634

17.9462872,-3.720000,9.307950,-0.157950,10.025033,90.902763,111.784531

17.9509525,-3.627000,9.294001,-0.186000,9.978386,91.068069,111.318306

17.9556179,-3.559950,9.274950,-0.186000,9.936424,91.072586,110.998009

17.9602833,-3.529050,9.226951,-0.205050,9.880934,91.189095,110.930450

17.9649487,-3.535950,9.202950,-0.169050,9.860315,90.982353,111.017731

17.9696121,-3.555000,9.166950,-0.118950,9.832861,90.693138,111.196602

17.9742794,-3.610050,9.142950,-0.046950,9.829965,90.273659,111.546349

17.9789448,-3.688950,9.148050,-0.046950,9.863943,90.272713,111.961754

17.9836121,-3.780000,9.166950,-0.040050,9.915794,90.231422,112.408844

17.9882774,-3.853950,9.217951,-0.031050,9.991222,90.178062,112.689407

17.9929428,-3.948000,9.222000,-0.009000,10.031554,90.051407,113.176094

17.9976082,-4.003050,9.234000,0.057000,10.064513,89.675507,113.437309

18.0022755,-4.054950,9.202950,0.093000,10.057116,89.470169,113.778969

18.0069408,-4.101000,9.177000,0.073950,10.051915,89.578484,114.078819

18.0116062,-4.149000,9.148050,0.028050,10.044990,89.840004,114.396156

18.0162735,-4.204050,9.117001,-0.037950,10.039680,90.216576,114.755470

18.0209389,-4.209000,9.081000,-0.061950,10.009200,90.354622,114.867500

18.0256062,-4.204050,9.081000,-0.037950,10.007000,90.217285,114.841782

18.0302715,-4.194000,9.067050,-0.034950,9.990108,90.200447,114.823090

18.0349369,-4.186950,9.082951,-0.052050,10.001662,90.298180,114.748192

18.0396042,-4.204050,9.133950,-0.102000,10.055520,90.581200,114.715027

18.0442677,-4.249050,9.186001,-0.142950,10.122128,90.809189,114.823242

18.0489349,-4.257000,9.229051,-0.226950,10.166067,91.279190,114.762024

18.0536003,-4.279950,9.253051,-0.283950,10.198899,91.595390,114.822655

18.0582676,-4.302000,9.282001,-0.298950,10.234848,91.673790,114.866669

18.0629349,-4.306950,9.289050,-0.289050,10.243038,91.617050,114.875214

18.0676003,-4.312050,9.286950,-0.234000,10.241874,91.309174,114.906052

18.0722656,-4.312050,9.265051,-0.196050,10.221223,91.099037,114.957756

18.0769329,-4.330950,9.193951,-0.196050,10.164856,91.105133,115.223495

18.0815983,-4.375950,9.166950,-0.238950,10.160660,91.347557,115.518021

18.0862637,-4.363950,9.093000,-0.217050,10.088302,91.232819,115.637474

18.0909309,-4.359000,9.043051,-0.165000,10.040163,90.941643,115.735352

18.0955963,-4.336050,9.009001,-0.109950,9.998775,90.630058,115.701607

18.1002636,-4.300050,9.009001,-0.081000,9.982940,90.464897,115.515427

18.1049290,-4.261050,9.016050,-0.070950,9.972500,90.407639,115.295753

18.1095943,-4.240050,9.043051,-0.070950,9.987984,90.407005,115.120651

18.1142616,-4.234950,9.088051,-0.076050,10.026627,90.434578,114.985100

18.1189270,-4.218000,9.127050,-0.100050,10.055078,90.570114,114.803680

18.1235962,-4.201050,9.160050,-0.157950,10.078705,90.897957,114.637489

18.1282597,-4.141950,9.177000,-0.145950,10.069478,90.830490,114.291580

18.1329250,-4.099050,9.178950,-0.100050,10.053126,90.570221,114.064140

18.1375942,-4.048050,9.181951,-0.114000,10.035334,90.650887,113.791260

18.1422596,-4.027050,9.166950,-0.148050,10.013592,90.847145,113.715927

18.1469250,-4.008000,9.186001,-0.201000,10.024324,91.148926,113.572418

18.1515923,-4.012050,9.172050,-0.238950,10.013998,91.367302,113.625595

18.1562538,-4.030950,9.177000,-0.250950,10.026408,91.434204,113.713234

18.1609192,-4.060050,9.174001,-0.196050,10.034179,91.119530,113.872284

18.1655846,-4.099050,9.177000,-0.166950,10.052235,90.951630,114.068672

18.1702518,-4.138950,9.165000,-0.142950,10.057264,90.814407,114.304123

18.1749210,-4.182000,9.150001,-0.141000,10.061388,90.802971,114.562729

18.1795864,-4.206000,9.130950,-0.117000,10.053774,90.666794,114.732269

18.1842518,-4.252050,9.117001,-0.040050,10.059882,90.228104,115.003731

18.1889191,-4.306950,9.070951,-0.016050,10.041525,90.091583,115.398689

18.1935806,-4.324050,9.048000,-0.049950,10.028271,90.285385,115.543190

18.1982460,-4.378950,9.033000,-0.055050,10.038591,90.314201,115.862831

18.2029152,-4.366950,9.043051,-0.045000,10.042362,90.256744,115.776207

18.2075825,-4.362000,9.067050,0.000000,10.061731,90.000000,115.691399

18.2122498,-4.342950,9.118951,0.009000,10.100325,89.948944,115.466385

18.2169151,-4.336050,9.166950,-0.004050,10.140726,90.022881,115.314575

18.2215805,-4.302000,9.205951,-0.082950,10.161870,90.467705,115.046989

18.2262478,-4.230000,9.261001,-0.142950,10.182311,90.804405,114.548744

18.2309113,-4.209000,9.265051,-0.160050,10.177547,90.901062,114.431725

18.2355785,-4.204050,9.268050,-0.220050,10.179352,91.238678,114.399368

18.2402439,-4.218000,9.246000,-0.244050,10.165609,91.375656,114.522346

18.2449112,-4.246950,9.196051,-0.258000,10.132645,91.459038,114.788589

18.2495766,-4.225050,9.169950,-0.258000,10.099783,91.463783,114.737862

18.2542419,-4.249050,9.112050,-0.202950,10.056096,91.156410,115.000160

18.2589073,-4.225050,9.055051,-0.174000,9.993761,90.997620,115.013565

18.2635746,-4.204050,9.004050,-0.130950,9.938013,90.754990,115.028175

18.2682400,-4.209000,8.956950,-0.081000,9.896929,90.468933,115.169510

18.2729053,-4.192050,8.941951,-0.045000,9.875919,90.261070,115.117516

18.2775726,-4.201050,8.949000,-0.040050,9.886103,90.232117,115.147400

18.2822380,-4.150950,8.989950,-0.013950,9.902009,90.080719,114.784294

18.2869053,-4.117950,9.079050,0.010950,9.969293,89.937065,114.397438

18.2915707,-4.077000,9.169950,0.016050,10.035446,89.908363,113.970139

18.2962360,-4.051050,9.261001,-0.007050,10.108274,90.039963,113.626068

18.3009033,-4.030950,9.343950,-0.055050,10.176493,90.309944,113.335213

18.3055668,-4.027050,9.390000,-0.105000,10.217645,90.588799,113.212837

18.3102341,-4.027050,9.385051,-0.133950,10.213435,90.751457,113.223785

18.3148994,-4.096050,9.328051,-0.178950,10.189317,91.006310,113.706810

18.3195648,-4.177950,9.270000,-0.318000,10.172969,91.791321,114.260887

18.3242321,-4.330950,9.154950,-0.447000,10.137556,92.527191,115.317520

18.3288975,-4.519950,9.103050,-0.402000,10.171385,92.265068,116.405838

18.3335629,-4.708950,9.109950,-0.277050,10.258760,91.547531,117.334526

18.3382301,-4.896000,9.091050,-0.157950,10.326808,90.876381,118.304756

18.3428936,-5.047050,9.093000,-0.157950,10.400977,90.870132,119.032372

18.3475590,-5.145000,9.093000,-0.225000,10.450087,91.233727,119.502045

18.3522243,-5.194950,9.076051,-0.286950,10.461575,91.571762,119.785957

18.3568916,-5.194950,9.049951,-0.253050,10.438063,91.389160,119.857147

18.3615589,-5.142000,9.036000,-0.217050,10.398873,91.195992,119.642349

18.3662224,-5.121000,8.989950,-0.184050,10.347836,91.019135,119.667404

18.3708878,-5.044050,8.971050,-0.186000,10.293531,91.035370,119.347244

18.3755550,-4.972050,8.947050,-0.169050,10.237166,90.946190,119.061783

18.3802185,-4.855050,8.929951,-0.136050,10.165335,90.766853,118.532112

18.3848858,-4.720950,8.959050,-0.124050,10.127553,90.701820,117.786880

18.3895512,-4.579950,8.961000,-0.157950,10.064811,90.899193,117.071487

18.3942184,-4.435950,9.001950,-0.241050,10.038469,91.375954,116.233002

18.3988838,-4.228050,9.052051,-0.249000,9.993900,91.427681,115.036430

18.4035492,-4.051050,9.069000,-0.184050,9.934367,91.061554,114.069931

18.4082165,-3.865950,9.069000,-0.105000,9.859177,90.610207,113.087669

18.4128819,-3.732000,9.082951,-0.064050,9.819976,90.373711,112.336769

18.4175491,-3.604950,9.130950,-0.069000,9.817060,90.402710,111.544380

18.4222145,-3.478050,9.172050,-0.076050,9.809645,90.444191,110.766777

18.4268818,-3.415950,9.196051,-0.105000,9.810560,90.613235,110.377937

18.4315472,-3.355950,9.237000,-0.094950,9.828204,90.553543,109.966896

18.4362144,-3.295950,9.286950,-0.076050,9.854772,90.442162,109.539841

18.4408798,-3.253050,9.318001,-0.102000,9.870049,90.592125,109.244843

18.4455452,-3.220050,9.340051,-0.033000,9.879593,90.191383,109.022003

18.4502106,-3.249000,9.355950,0.000000,9.904030,90.000000,109.150360

18.4548759,-3.301050,9.354000,0.000000,9.919388,90.000000,109.438065

18.4595432,-3.409050,9.322950,-0.013950,9.926692,90.080521,110.085556

18.4642086,-3.493050,9.307950,-0.025950,9.941831,90.149551,110.569908

18.4688740,-3.583950,9.258000,0.007050,9.927504,89.959312,111.162376

18.4735413,-3.679950,9.226951,0.007050,9.933716,89.959335,111.743416

18.4782047,-3.805950,9.198001,-0.004050,9.954320,90.023308,112.478798

18.4828720,-3.936000,9.181951,-0.037950,9.990083,90.217651,113.203224

18.4875374,-4.053000,9.162001,-0.081000,10.018764,90.463234,113.863190

18.4922047,-4.161000,9.153001,-0.100050,10.054917,90.570122,114.446785

18.4968700,-4.276050,9.181951,-0.141000,10.129793,90.797546,114.971474

18.5015373,-4.327950,9.189000,-0.205050,10.159277,91.156509,115.220085

18.5062027,-4.387950,9.208051,-0.222000,10.202529,91.246819,115.479393

18.5108700,-4.407000,9.229051,-0.268050,10.230782,91.501343,115.525124

18.5155354,-4.399950,9.238951,-0.313050,10.237957,91.752228,115.465622

18.5202007,-4.378950,9.234000,-0.307950,10.224324,91.725975,115.371254

18.5248680,-4.348050,9.213000,-0.318000,10.192451,91.787895,115.264839

18.5295315,-4.270950,9.166950,-0.238950,10.115883,91.353523,114.981163

18.5341969,-4.209000,9.117001,-0.162000,10.042989,90.924255,114.781120

18.5388622,-4.153950,9.079050,-0.148050,9.985308,90.849541,114.585579

18.5435276,-4.099050,9.052051,-0.169050,9.938331,90.974640,114.362495

18.5481930,-4.075050,9.045000,-0.172050,9.922079,90.993568,114.253029

18.5528584,-4.053000,9.070951,-0.154950,9.936446,90.893517,114.075615

18.5575237,-4.003050,9.088051,-0.085950,9.930985,90.495888,113.772247

18.5621910,-3.969000,9.141001,-0.079050,9.965796,90.454483,113.470367

18.5668564,-3.933000,9.214951,-0.082950,10.019515,90.474350,113.113098

18.5715237,-3.880950,9.246000,-0.118950,10.028183,90.679634,112.769920

18.5761890,-3.868950,9.289050,-0.138000,10.063512,90.785713,112.612045

18.5808544,-3.868950,9.294001,-0.186000,10.068854,91.058472,112.601212

18.5855198,-3.880950,9.285001,-0.193050,10.065301,91.098984,112.683983

18.5901852,-3.916950,9.262951,-0.189000,10.058851,91.076614,112.921654

18.5948505,-3.964050,9.214951,-0.172050,10.032876,90.982590,113.276215

18.5995178,-4.015050,9.198001,-0.181050,10.037760,91.033493,113.581917

18.6041832,-4.084050,9.172050,-0.148050,10.041309,90.844803,114.002037

18.6088505,-4.156050,9.148050,-0.106950,10.048433,90.609833,114.432770

18.6135159,-4.249050,9.115050,-0.040050,10.056848,90.228172,114.992935

18.6181812,-4.350000,9.105000,-0.033000,10.090818,90.187378,115.536583

18.6228485,-4.462050,9.082951,-0.081000,10.120101,90.458595,116.162834

18.6275139,-4.534050,9.081000,-0.114000,10.150624,90.643494,116.532486

18.6321793,-4.591950,9.055051,-0.097950,10.153302,90.552750,116.890244

18.6368465,-4.624950,9.055051,-0.073950,10.168067,90.416702,117.056091

18.6415119,-4.611000,9.064051,-0.034950,10.169540,90.196907,116.963028

18.6461792,-4.587000,9.091050,-0.064050,10.182920,90.360390,116.773788

18.6508446,-4.534050,9.133950,-0.124050,10.198139,90.696960,116.399590

18.6555099,-4.479000,9.166950,-0.157950,10.203890,90.886940,116.040276

18.6601753,-4.402950,9.186001,-0.193050,10.188516,91.085693,115.608910

18.6648426,-4.264050,9.214951,-0.214950,10.155966,91.212753,114.831474

18.6695080,-4.162950,9.225000,-0.220050,10.123201,91.245544,114.288147

18.6741753,-4.017000,9.205951,-0.222000,10.046646,91.266167,113.573967

18.6788406,-3.909000,9.210000,-0.244050,10.008194,91.397301,112.997826

18.6835079,-3.802050,9.189000,-0.262950,9.947988,91.514648,112.477867

18.6881733,-3.720000,9.172050,-0.237000,9.900559,91.371681,112.076492

18.6928387,-3.651000,9.201000,-0.201000,9.900940,91.163246,111.643410

18.6975060,-3.598050,9.193951,-0.208050,9.875119,91.207199,111.372879

18.7021713,-3.591000,9.213000,-0.190950,9.889950,91.106308,111.294609

18.7068386,-3.603000,9.196051,-0.133950,9.877596,90.777008,111.395180

18.7115059,-3.711000,9.157950,-0.102000,9.881801,90.591415,112.058861

18.7161713,-3.852000,9.148050,-0.141000,9.926964,90.813843,112.834663

18.7208385,-4.063050,9.121950,-0.124050,9.986678,90.711723,114.008888

18.7255039,-4.290000,9.136050,-0.064050,10.093346,90.363586,115.153267

18.7301693,-4.483950,9.157950,-0.004050,10.196758,90.022758,116.087471

18.7348366,-4.675950,9.186001,0.037950,10.307694,89.789055,116.977463

18.7395020,-4.801950,9.217951,-0.013950,10.393726,90.076897,117.516571

18.7441692,-4.909950,9.234000,-0.085950,10.458573,90.470871,118.000702

18.7488365,-4.984050,9.237000,-0.136050,10.496735,90.742638,118.350166

18.7535000,-5.011050,9.193951,-0.138000,10.471790,90.755081,118.592049

18.7581673,-4.956000,9.145950,-0.162000,10.403682,90.892212,118.452339

18.7628326,-4.893000,9.058950,-0.193050,10.297733,91.074181,118.374756

18.7674999,-4.777950,8.992050,-0.226950,10.185150,91.276794,117.984062

18.7721653,-4.656000,8.947050,-0.246000,10.089031,91.397179,117.492241

18.7768307,-4.477050,8.947050,-0.202950,10.006742,91.162117,116.583107

18.7814980,-4.282950,8.949000,-0.184050,9.922810,91.062790,115.575562

18.7861671,-4.114950,8.988001,-0.213000,9.887485,91.234383,114.599586

18.7908344,-3.936000,9.073951,-0.259950,9.894254,91.505493,113.449715

18.7954998,-3.802050,9.136050,-0.262950,9.899098,91.522125,112.595078

18.8001652,-3.694050,9.178950,-0.226950,9.897001,91.313972,111.922218

18.8048325,-3.652950,9.244050,-0.181050,9.941292,91.043526,111.562332

18.8094978,-3.651000,9.292050,-0.172050,9.985069,90.987297,111.450684

18.8141632,-3.648000,9.313050,-0.130950,10.002897,90.750092,111.390694

18.8188305,-3.715050,9.286950,-0.085950,10.002821,90.492325,111.802849

18.8234978,-3.787050,9.261001,-0.100050,10.005893,90.572914,112.240860

18.8281631,-3.897000,9.205951,-0.094950,9.997257,90.544182,112.943581

18.8328285,-3.952050,9.154950,-0.105000,9.972103,90.603302,113.349106

18.8374958,-4.033950,9.097950,-0.069000,9.952397,90.397232,113.912071

18.8421612,-4.069950,9.079050,-0.045000,9.949656,90.259140,114.145706

18.8468266,-4.110000,9.085951,-0.064050,9.972498,90.367996,114.339462

18.8514919,-4.150950,9.121950,-0.088050,10.022381,90.503372,114.467949

18.8561592,-4.194000,9.166950,-0.088050,10.081188,90.500435,114.584717

18.8608265,-4.230000,9.217951,-0.106950,10.142729,90.604164,114.649788

18.8654919,-4.234950,9.246000,-0.126000,10.170506,90.709839,114.609222

18.8701591,-4.278000,9.280050,-0.198000,10.220559,91.110046,114.749176

18.8748245,-4.266000,9.261001,-0.220050,10.198692,91.236328,114.732758

18.8794899,-4.300050,9.270000,-0.237000,10.221521,91.328598,114.885048

18.8841572,-4.297050,9.258000,-0.258000,10.209887,91.447998,114.898109

18.8888226,-4.269000,9.220051,-0.256050,10.163625,91.443596,114.844734

18.8934898,-4.245000,9.169950,-0.214950,10.107137,91.218613,114.840607

18.8981571,-4.204050,9.112050,-0.198000,10.037066,91.130341,114.767303

18.9028244,-4.134000,9.082951,-0.196050,9.981402,91.125450,114.472107

18.9074898,-4.078950,9.043051,-0.190950,9.922251,91.102707,114.278191

18.9121552,-4.020000,9.057000,-0.145950,9.910144,90.843842,113.934311

18.9168205,-3.969000,9.049951,-0.082950,9.882380,90.480934,113.680618

18.9214878,-3.925950,9.079050,-0.064050,9.891731,90.371002,113.384552

18.9261532,-3.924000,9.118951,-0.129000,9.928226,90.744476,113.282822

18.9308205,-3.924000,9.184051,-0.165000,9.988583,90.946503,113.135201

18.9354858,-3.967050,9.258000,-0.184050,10.073824,91.046860,113.195114

18.9401512,-4.008000,9.298950,-0.201000,10.127929,91.137177,113.316833

18.9448185,-4.069950,9.319950,-0.201000,10.171842,91.132263,113.590523

18.9494839,-4.113000,9.280050,-0.205050,10.152740,91.157257,113.903343

18.9541492,-4.186950,9.250951,-0.232050,10.156992,91.309113,114.351349

18.9588165,-4.221000,9.201000,-0.210000,10.125183,91.188423,114.643501

18.9634819,-4.279950,9.160050,-0.181050,10.112234,91.025879,115.043907

18.9681473,-4.321050,9.094951,-0.153000,10.070403,90.870529,115.412598

18.9728146,-4.381050,9.073951,-0.145950,10.077275,90.829849,115.772003

18.9774818,-4.402950,9.031051,-0.117000,10.047862,90.667183,115.990837

18.9821472,-4.402950,9.037951,-0.141000,10.054372,90.803528,115.973602

18.9868145,-4.393050,9.082951,-0.150000,10.090658,90.851746,115.811150

18.9914799,-4.357050,9.145950,-0.142950,10.131768,90.808418,115.472717

18.9961472,-4.327950,9.201000,-0.141000,10.169044,90.794464,115.191269

19.0008125,-4.290000,9.250951,-0.130950,10.198105,90.735733,114.878860

19.0054779,-4.234950,9.265051,-0.178950,10.188621,91.006378,114.564606

19.0101452,-4.194000,9.268050,-0.256050,10.176047,91.441833,114.347816

19.0148106,-4.108050,9.226951,-0.286950,10.104209,91.627365,113.999725

19.0194778,-4.039050,9.193951,-0.270000,10.045673,91.540138,113.716652

19.0241432,-3.967050,9.145950,-0.241050,9.972161,91.385109,113.448761

19.0288086,-3.888000,9.127050,-0.229050,9.923309,91.322617,113.073349

19.0334759,-3.838050,9.109950,-0.250950,9.888619,91.454185,112.845840

19.0381413,-3.826050,9.118951,-0.268050,9.892714,91.552658,112.761528

19.0428066,-3.840000,9.154950,-0.258000,9.931026,91.488663,112.755379

19.0474739,-3.895050,9.189000,-0.274950,9.984224,91.578033,112.971207

19.0521393,-3.949950,9.210000,-0.217050,10.023638,91.240768,113.213341

19.0568066,-4.021950,9.237000,-0.186000,10.076351,91.057686,113.529144

19.0614719,-4.072050,9.217951,-0.148050,10.078400,90.841698,113.833549

19.0661392,-4.150950,9.205951,-0.138000,10.099454,90.782921,114.270546

19.0708046,-4.222950,9.174001,-0.094950,10.099733,90.538658,114.717422

19.0754700,-4.282950,9.141001,-0.073950,10.094901,90.419724,115.105103

19.0801353,-4.306950,9.124050,-0.079050,10.089814,90.448898,115.269356

19.0848026,-4.366950,9.115050,-0.112050,10.107767,90.635170,115.598717

19.0894680,-4.402950,9.109950,-0.130950,10.119007,90.741486,115.795044

19.0941372,-4.458000,9.109950,-0.133950,10.143121,90.756668,116.075050

19.0988026,-4.453050,9.130950,-0.138000,10.159869,90.778267,115.997910

19.1034660,-4.410000,9.127050,-0.160050,10.137888,90.904587,115.788864

19.1081352,-4.350000,9.145950,-0.190950,10.129530,91.080139,115.436714

19.1127968,-4.254000,9.160050,-0.217050,10.101988,91.231148,114.910530

19.1174660,-4.146000,9.172050,-0.222000,10.068025,91.263474,114.324181

19.1221313,-4.063050,9.178950,-0.229050,10.040616,91.307167,113.876511

19.1267948,-4.008000,9.196051,-0.234000,10.034249,91.336266,113.549469

19.1314640,-4.003050,9.225000,-0.274950,10.059854,91.566170,113.457710

19.1361294,-3.988050,9.213000,-0.292050,10.043366,91.666336,113.406433

19.1407967,-3.949950,9.220051,-0.294000,10.034833,91.678886,113.190712

19.1454620,-3.925950,9.217951,-0.277050,10.022997,91.583939,113.069290

19.1501293,-3.913950,9.210000,-0.253050,10.010352,91.448524,113.023911

19.1547966,-3.868950,9.201000,-0.190950,9.983168,91.095978,112.806381

19.1594639,-3.876000,9.178950,-0.154950,9.964964,90.890953,112.892899

19.1641293,-3.897000,9.142950,-0.121950,9.939569,90.702988,113.085159

19.1687965,-3.960000,9.133950,-0.186000,9.957170,91.070351,113.439018

19.1734619,-4.029000,9.127050,-0.217050,9.979128,91.246307,113.818344

19.1781273,-4.090950,9.117001,-0.214950,9.995088,91.232269,114.166565

19.1827927,-4.122000,9.153001,-0.165000,10.039698,90.941681,114.244141

19.1874580,-4.162950,9.177000,-0.148050,10.078165,90.841713,114.400406

19.1921253,-4.216050,9.202950,-0.148050,10.123798,90.837921,114.613434

19.1967926,-4.254000,9.208051,-0.150000,10.144320,90.847244,114.796326

19.2014561,-4.306950,9.210000,-0.150000,10.168404,90.845230,115.062599

19.2061234,-4.330950,9.201000,-0.177000,10.170882,90.997147,115.206566

19.2107887,-4.345050,9.196051,-0.148050,10.171958,90.833954,115.290306

19.2154541,-4.315950,9.154950,-0.133950,10.122178,90.758232,115.240761

19.2201214,-4.282950,9.142950,-0.117000,10.097074,90.663933,115.100410

19.2247868,-4.245000,9.148050,-0.138000,10.085925,90.783974,114.892868

19.2294521,-4.185000,9.150001,-0.142950,10.062662,90.813972,114.578270

19.2341194,-4.153950,9.141001,-0.153000,10.041743,90.873016,114.438499

19.2387848,-4.138950,9.154950,-0.210000,10.049285,91.197395,114.327713

19.2434502,-4.138950,9.178950,-0.234000,10.071683,91.331299,114.271454

19.2481155,-4.150950,9.201000,-0.237000,10.096780,91.345016,114.282097

19.2527809,-4.177950,9.222000,-0.256050,10.127493,91.448746,114.372505

19.2574482,-4.210950,9.229051,-0.256050,10.147563,91.445877,114.525848

19.2621136,-4.225050,9.213000,-0.280050,10.139470,91.582695,114.636024

19.2667789,-4.240050,9.190950,-0.268050,10.125386,91.516975,114.765236

19.2714462,-4.261050,9.141001,-0.246000,10.088357,91.397270,114.992439

19.2761116,-4.273050,9.109950,-0.234000,10.065034,91.332176,115.129074

19.2807770,-4.288050,9.052051,-0.222000,10.018796,91.269684,115.347397

19.2854424,-4.297050,9.048000,-0.222000,10.018993,91.269661,115.403839

19.2901077,-4.290000,9.025950,-0.189000,9.995379,91.083458,115.421562

19.2947769,-4.279950,9.037951,-0.136050,10.001051,90.779449,115.340042

19.2994404,-4.234950,9.070951,-0.094950,10.011292,90.543419,115.026436

19.3041077,-4.204050,9.073951,-0.090000,10.000937,90.515617,114.858749

19.3087730,-4.162950,9.112050,-0.100050,10.018464,90.572197,114.553864

19.3134384,-4.125000,9.150001,-0.121950,10.037580,90.696121,114.266785

19.3181057,-4.075050,9.160050,-0.141000,10.026587,90.805756,113.982948

19.3227711,-4.000050,9.193951,-0.162000,10.027730,90.925667,113.512611

19.3274364,-3.967050,9.225000,-0.190950,10.043633,91.089378,113.269279

19.3321037,-3.957000,9.249001,-0.220050,10.062321,91.253082,113.162697

19.3367691,-3.957000,9.270000,-0.237000,10.082010,91.346985,113.115738

19.3414364,-4.029000,9.258000,-0.270000,10.100312,91.531807,113.518250

19.3461037,-4.063050,9.234000,-0.270000,10.091979,91.533073,113.749962

19.3507690,-4.105950,9.190950,-0.250950,10.069527,91.428055,114.072151

19.3554363,-4.137000,9.166950,-0.226950,10.059784,91.292709,114.289421

19.3601017,-4.197000,9.145950,-0.202950,10.065009,91.155388,114.649994

19.3647671,-4.230000,9.118951,-0.177000,10.053829,91.008759,114.885132

19.3694344,-4.258950,9.093000,-0.142950,10.041999,90.815643,115.097298

19.3740997,-4.258950,9.067050,-0.102000,10.018006,90.583374,115.160255

19.3787670,-4.273050,9.067050,-0.082950,10.023833,90.474144,115.233208

19.3834343,-4.276050,9.085951,-0.081000,10.042194,90.462151,115.202713

19.3880997,-4.288050,9.130950,-0.073950,10.087968,90.420013,115.155556

19.3927670,-4.270950,9.162001,-0.081000,10.108899,90.459099,114.993011

19.3974323,-4.242000,9.196051,-0.114000,10.127927,90.644936,114.763168

19.4020977,-4.209000,9.220051,-0.169050,10.136745,90.955566,114.536942

19.4067631,-4.170000,9.232051,-0.205050,10.132212,91.159599,114.308090

19.4114304,-4.122000,9.246000,-0.232050,10.125871,91.313133,114.028000

19.4160976,-4.089000,9.225000,-0.249000,10.093689,91.413567,113.905411

19.4207630,-4.066950,9.213000,-0.246000,10.073727,91.399300,113.818390

19.4254284,-4.069950,9.160050,-0.244050,10.026494,91.394745,113.956306

19.4300938,-4.077000,9.133950,-0.277050,10.006385,91.586571,114.053917

19.4347610,-4.084050,9.100050,-0.270000,9.978140,91.550568,114.170265

19.4394264,-4.060050,9.073951,-0.202950,9.942926,91.169571,114.105659

19.4440937,-4.063050,9.061951,-0.165000,9.932500,90.951851,114.149734

19.4487591,-4.045950,9.076051,-0.130950,9.937885,90.754997,114.026505

19.4534245,-4.033950,9.121950,-0.148050,9.975202,90.850403,113.856194

19.4580917,-4.036050,9.162001,-0.181050,10.013227,91.036026,113.774483

19.4627571,-4.051050,9.202950,-0.184050,10.056797,91.048630,113.758629

19.4674225,-4.069950,9.237000,-0.190950,10.095698,91.083755,113.778954

19.4720879,-4.089000,9.256050,-0.177000,10.120559,91.002106,113.834167

19.4767551,-4.120050,9.274950,-0.160050,10.150129,90.903496,113.951401

19.4814205,-4.134000,9.261001,-0.141000,10.142779,90.796524,114.055412

19.4860878,-4.132050,9.213000,-0.138000,10.098131,90.783020,114.156334

19.4907570,-4.146000,9.165000,-0.153000,10.060315,90.871407,114.340721

19.4954205,-4.182000,9.121950,-0.208050,10.037050,91.187721,114.629303

19.5000896,-4.222950,9.081000,-0.253050,10.018079,91.447411,114.939903

19.5047550,-4.249050,9.064051,-0.246000,10.013589,91.407707,115.116264

19.5094204,-4.288050,9.088051,-0.208050,10.051036,91.186073,115.259529

19.5140858,-4.294950,9.118951,-0.174000,10.081276,90.988960,115.220047

19.5187492,-4.306950,9.150001,-0.205050,10.115057,91.161568,115.206596

19.5234146,-4.338000,9.196051,-0.268050,10.171403,91.510109,115.254387

19.5280838,-4.366950,9.217951,-0.294000,10.204279,91.651001,115.348976

19.5327492,-4.371000,9.234000,-0.282000,10.220173,91.581131,115.330971

19.5374126,-4.378950,9.229051,-0.292050,10.219387,91.637627,115.383148

19.5420780,-4.381050,9.190950,-0.274950,10.185420,91.546860,115.485733

19.5467434,-4.362000,9.157950,-0.289050,10.147840,91.632225,115.468811

19.5514088,-4.357050,9.121950,-0.270000,10.112703,91.529930,115.531219

19.5560780,-4.309050,9.093000,-0.246000,10.065341,91.400467,115.355644

19.5607414,-4.261050,9.049951,-0.196050,10.004828,91.122810,115.212784

19.5654068,-4.204050,9.040051,-0.186000,9.971517,91.068810,114.940651

19.5700760,-4.165950,9.043051,-0.178950,9.958109,91.029678,114.734566

19.5747414,-4.089000,9.061951,-0.165000,9.943143,90.950829,114.286201

19.5794029,-4.063050,9.079050,-0.162000,9.948054,90.933083,114.109436

19.5840683,-4.029000,9.129001,-0.166950,9.979948,90.958519,113.813820

19.5887356,-4.039050,9.166950,-0.142950,10.018350,90.817574,113.778770

19.5934010,-4.036050,9.225000,-0.145950,10.070334,90.830421,113.629967

19.5980663,-4.060050,9.277050,-0.190950,10.128383,91.080261,113.636330

19.6027317,-4.045950,9.298950,-0.189000,10.142776,91.067711,113.513741

19.6073990,-4.042950,9.310950,-0.160050,10.152086,90.903320,113.471184

19.6120625,-4.030950,9.310950,-0.177000,10.147594,90.999435,113.409027

19.6167297,-3.973950,9.285001,-0.196050,10.101583,91.112061,113.170769

19.6213951,-3.916950,9.222000,-0.249000,10.022465,91.423615,113.012863

19.6260624,-3.877950,9.150001,-0.234000,9.940612,91.348854,112.968185

19.6307278,-3.853950,9.106951,-0.213000,9.891150,91.233925,112.937485

19.6353931,-3.876000,9.082951,-0.201000,9.877438,91.166016,113.109573

19.6400585,-3.952050,9.129001,-0.217050,9.950099,91.249939,113.408348

19.6447258,-4.060050,9.154950,-0.268050,10.018432,91.533173,113.916397

19.6493912,-4.146000,9.213000,-0.318000,10.107909,91.802849,114.228523

19.6540565,-4.257000,9.237000,-0.318000,10.175723,91.790833,114.743271

19.6587219,-4.369050,9.274950,-0.307950,10.257101,91.720459,115.223206

19.6633873,-4.434000,9.277050,-0.256050,10.285406,91.426498,115.545639

19.6680546,-4.489050,9.262951,-0.250950,10.296447,91.396576,115.855949

19.6727200,-4.503000,9.241051,-0.271950,10.283384,91.515396,115.979156

19.6773853,-4.501050,9.157950,-0.244050,10.207207,91.370049,116.173698

19.6820545,-4.479000,9.094951,-0.253050,10.141183,91.429832,116.218910

19.6867180,-4.459950,9.055051,-0.256050,10.097062,91.453110,116.221970

19.6913834,-4.419000,9.024000,-0.237000,10.050687,91.351189,116.090721

19.6960468,-4.374000,9.024000,-0.184050,10.029872,91.051445,115.859818

19.7007141,-4.312050,9.036000,-0.148050,10.013241,90.847176,115.510841

19.7053795,-4.221000,9.073951,-0.145950,10.008733,90.835533,114.946800

19.7100449,-4.168050,9.091050,-0.198000,10.002952,91.134193,114.630432

19.7147102,-4.078950,9.127050,-0.213000,9.999313,91.220573,114.080246

19.7193775,-3.973950,9.172050,-0.244050,9.998918,91.398590,113.425507

19.7240410,-3.853950,9.201000,-0.234000,9.978281,91.343765,112.726959

19.7287064,-3.775050,9.225000,-0.249000,9.970639,91.431015,112.255333

19.7333717,-3.754050,9.258000,-0.234000,9.992908,91.341797,112.072189

19.7380390,-3.732000,9.298950,-0.234000,10.022627,91.337814,111.867348

19.7427063,-3.751050,9.325050,-0.232050,10.053895,91.322540,111.912712

19.7473717,-3.835050,9.358951,-0.274950,10.117963,91.557175,112.282516

19.7520370,-3.909000,9.322950,-0.274950,10.113026,91.557930,112.747711

19.7567024,-4.000050,9.256050,-0.262950,10.086823,91.493797,113.371834

19.7613678,-4.066950,9.186001,-0.246000,10.049041,91.402740,113.880577

19.7660351,-4.114950,9.118951,-0.213000,10.006670,91.219681,114.287399

19.7707005,-4.153950,9.081000,-0.157950,9.987233,90.906181,114.580925

19.7753658,-4.126950,9.069000,-0.148050,9.964959,90.851280,114.468437

19.7800312,-4.150950,9.070951,-0.181050,9.977240,91.039764,114.589272

19.7846966,-4.141950,9.082951,-0.148050,9.983871,90.849663,114.513634

19.7893620,-4.129950,9.117001,-0.157950,10.010052,90.904114,114.370262

19.7940292,-4.126950,9.145950,-0.172050,10.035424,90.982346,114.286446

19.7986946,-4.075050,9.178950,-0.154950,10.044062,90.883942,113.939117

19.8033600,-4.029000,9.220051,-0.166950,10.063302,90.950577,113.604485

19.8080254,-3.961950,9.268050,-0.222000,10.081820,91.261749,113.145973

19.8126907,-3.928950,9.289050,-0.262950,10.089214,91.493439,112.926697

19.8173580,-3.888000,9.292050,-0.295950,10.077020,91.682953,112.705521

19.8220234,-3.868950,9.286950,-0.331950,10.066102,91.889786,112.616646

19.8266888,-3.859050,9.249001,-0.342000,10.027624,91.954498,112.647835

19.8313560,-3.873000,9.244050,-0.313050,10.027492,91.789017,112.732330

19.8360214,-3.907050,9.202950,-0.283950,10.001998,91.626808,113.003319

19.8406887,-3.940050,9.205951,-0.253050,10.016864,91.447586,113.170418

19.8453541,-4.012050,9.184051,-0.222000,10.024600,91.268951,113.598099

19.8500233,-4.077000,9.153001,-0.153000,10.021116,90.874809,114.009514

19.8546886,-4.150950,9.141001,-0.112050,10.039962,90.639458,114.422913

19.8593559,-4.206000,9.115050,-0.094950,10.039104,90.541916,114.770241

19.8640213,-4.210950,9.093000,-0.033000,10.020771,90.188683,114.848763

19.8686886,-4.222950,9.079050,0.021000,10.013137,89.879837,114.944611

19.8733540,-4.213050,9.093000,0.010950,10.021605,89.937393,114.859657

19.8780212,-4.173000,9.130950,-0.034950,10.039392,90.199463,114.561211

19.8826866,-4.117950,9.214951,-0.109950,10.093806,90.624123,114.078773

19.8873520,-4.039050,9.286950,-0.157950,10.128490,90.893539,113.505028

19.8920193,-3.979050,9.318001,-0.162000,10.133323,90.916016,113.123856

19.8966866,-3.936000,9.318001,-0.226950,10.117744,91.285301,112.899597

19.9013538,-3.924000,9.297001,-0.325050,10.096418,91.844933,112.883232

19.9060192,-3.913950,9.261001,-0.391950,10.061748,92.232491,112.910240

19.9106846,-3.961950,9.196051,-0.402000,10.021277,92.299019,113.307907

19.9153500,-4.030950,9.138000,-0.414000,9.996149,92.373642,113.803207

19.9200172,-4.075050,9.118951,-0.354000,9.994329,92.029846,114.078773

19.9246845,-4.105950,9.093000,-0.330000,9.982504,91.894417,114.301590

19.9293518,-4.138950,9.103050,-0.307950,10.004562,91.763901,114.450218

19.9340172,-4.132050,9.106951,-0.274950,10.004298,91.574867,114.404976

19.9386845,-4.114950,9.136050,-0.214950,10.022297,91.228928,114.247185

19.9433498,-4.087050,9.141001,-0.178950,10.014684,91.023857,114.089981

19.9480152,-4.069950,9.166950,-0.165000,10.031186,90.942482,113.940300

19.9526825,-4.063050,9.184051,-0.145950,10.043728,90.832619,113.864738

19.9573479,-4.048050,9.213000,-0.100050,10.063602,90.569633,113.719948

19.9620152,-4.027050,9.208051,-0.097950,10.050618,90.558395,113.621689

19.9666824,-4.039050,9.244050,-0.129000,10.088758,90.732635,113.602203

19.9713459,-4.057950,9.273001,-0.193050,10.123871,91.092628,113.634628

19.9760113,-4.099050,9.294001,-0.244050,10.160720,91.376320,113.799522

19.9806786,-4.114950,9.301050,-0.265050,10.174114,91.492805,113.865456

19.9853439,-4.198950,9.280050,-0.271950,10.189429,91.529373,114.345352

19.9900093,-4.230000,9.246000,-0.259950,10.170988,91.464523,114.583862

19.9946747,-4.302000,9.177000,-0.258000,10.138595,91.458183,115.116272

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20.0086708,-4.387950,9.001950,-0.220050,10.016868,91.258774,115.986656

20.0133381,-4.399950,8.985001,-0.184050,10.006182,91.053940,116.090965

20.0180054,-4.363950,9.009001,-0.141000,10.011295,90.806984,115.845497

20.0226707,-4.309050,9.058950,-0.136050,10.032497,90.777008,115.438927

20.0273361,-4.252050,9.127050,-0.166950,10.070295,90.949921,114.979561

20.0320015,-4.209000,9.196051,-0.213000,10.115750,91.206528,114.593407

20.0366669,-4.134000,9.268050,-0.256050,10.151466,91.445320,114.039192

20.0413342,-4.051050,9.297001,-0.294000,10.145524,91.660568,113.544556

20.0459995,-3.997950,9.319950,-0.282000,10.145176,91.592827,113.217728

20.0506649,-3.961950,9.289050,-0.282000,10.102625,91.599533,113.099136

20.0553322,-3.912000,9.246000,-0.241050,10.042429,91.375412,112.933311

20.0599957,-3.889950,9.189000,-0.222000,9.980918,91.274506,112.944244

20.0646610,-3.901950,9.115050,-0.256050,9.918413,91.479294,113.174690

20.0693264,-3.909000,9.073951,-0.253050,9.883365,91.467140,113.306068

20.0739937,-3.957000,9.067050,-0.241050,9.895825,91.395790,113.577194

20.0786610,-4.036050,9.085951,-0.189000,9.943839,91.089073,113.951164

20.0833263,-4.149000,9.109950,-0.165000,10.011624,90.944328,114.486229

20.0879917,-4.249050,9.162001,-0.153000,10.100499,90.867935,114.880402

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20.1206532,-4.230000,9.166950,-0.237000,10.098616,91.344772,114.770500

20.1253185,-4.192050,9.136050,-0.229050,10.054509,91.305359,114.647888

20.1299858,-4.146000,9.115050,-0.213000,10.015929,91.218552,114.458519

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20.1393166,-4.129950,9.091050,-0.249000,9.988277,91.428490,114.431702

20.1439838,-4.132050,9.079050,-0.232050,9.977818,91.332626,114.471191

20.1486511,-4.122000,9.094951,-0.181050,9.987082,91.038742,114.380913

20.1533184,-4.122000,9.109950,-0.136050,10.000029,90.779533,114.345436

20.1579838,-4.113000,9.142950,-0.141000,10.026474,90.805763,114.220825

20.1626511,-4.096050,9.166950,-0.177000,10.042008,91.009949,114.076431

20.1673164,-4.084050,9.196051,-0.186000,10.063867,91.058998,113.946442

20.1719818,-4.087050,9.205951,-0.181050,10.074040,91.029770,113.939186

20.1766491,-4.084050,9.225000,-0.193050,10.090459,91.096245,113.879715

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20.1859798,-4.161000,9.196051,-0.238950,10.096454,91.356133,114.345650

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20.1953125,-4.258950,9.165000,-0.316050,10.111170,91.791214,114.924164

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20.2046432,-4.375950,9.162001,-0.222000,10.155810,91.252548,115.530052

20.2093086,-4.441050,9.178950,-0.172050,10.198317,90.966652,115.819084

20.2139740,-4.467000,9.214951,-0.189000,10.242320,91.057327,115.862053

20.2186394,-4.447950,9.222000,-0.241050,10.241467,91.348679,115.748917

20.2233067,-4.450050,9.229051,-0.249000,10.248919,91.392151,115.742371

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20.3492947,-3.957000,9.253051,-0.198000,10.065585,91.127136,113.153625

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20.4006195,-4.165950,9.127050,-0.189000,10.034636,91.079216,114.533852

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20.4099522,-4.033950,9.184051,-0.174000,10.032438,90.993774,113.712730

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20.4192848,-3.889950,9.225000,-0.208050,10.013772,91.190483,112.863930

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20.4332809,-3.805950,9.234000,-0.232050,9.990289,91.330963,112.399841

20.4379463,-3.816000,9.201000,-0.277050,9.964789,91.593193,112.525620

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20.4519463,-4.003050,9.297001,-0.282000,10.126113,91.595825,113.295471

20.4566116,-4.065000,9.307950,-0.217050,10.159196,91.224213,113.592026

20.4612751,-4.113000,9.282001,-0.220050,10.154838,91.241669,113.898888

20.4659424,-4.138950,9.238951,-0.292050,10.127903,91.652420,114.131866

20.4706078,-4.192050,9.217951,-0.322950,10.131544,91.826653,114.454628

20.4752731,-4.218000,9.205951,-0.322950,10.131404,91.826675,114.616394

20.4799385,-4.225050,9.210000,-0.280050,10.136744,91.583122,114.643097

20.4846039,-4.252050,9.196051,-0.234000,10.134201,91.323082,114.814774

20.4892712,-4.257000,9.160050,-0.196050,10.102822,91.111923,114.925964

20.4939346,-4.276050,9.115050,-0.193050,10.070056,91.098465,115.132202

20.4986000,-4.303950,9.055051,-0.229050,10.028480,91.308746,115.422180

20.5032673,-4.315950,9.037951,-0.205050,10.017685,91.172859,115.526176

20.5079327,-4.285050,9.031051,-0.178950,9.997678,91.025604,115.383392

20.5125999,-4.228050,9.064051,-0.154950,10.002872,90.887581,115.007339

20.5172653,-4.162950,9.079050,-0.169050,9.989388,90.969658,114.632530

20.5219307,-4.087050,9.150001,-0.166950,10.022693,90.954430,114.068985

20.5265980,-4.012050,9.189000,-0.184050,10.028367,91.051605,113.586777

20.5312614,-3.904950,9.217951,-0.189000,10.012740,91.081573,112.958710

20.5359268,-3.868950,9.217951,-0.238950,9.999825,91.369240,112.768723

20.5405941,-3.816000,9.249001,-0.318000,10.010345,91.820427,112.420319

20.5452595,-3.808950,9.268050,-0.325050,10.025494,91.857986,112.341507

20.5499249,-3.835050,9.285001,-0.319950,10.050932,91.824196,112.442444

20.5545902,-3.868950,9.298950,-0.322950,10.076881,91.836563,112.590393

20.5592575,-3.945000,9.286950,-0.292050,10.094343,91.657913,113.015282

20.5639229,-4.048050,9.253051,-0.277050,10.103584,91.571304,113.628548

20.5685883,-4.168050,9.229051,-0.265050,10.130068,91.499298,114.305023

20.5732555,-4.294950,9.129001,-0.241050,10.091746,91.368690,115.195724

20.5779209,-4.393050,9.103050,-0.220050,10.110037,91.247169,115.761536

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20.5872536,-4.515000,9.088051,-0.088050,10.148184,90.497131,116.418472

20.5919209,-4.534050,9.091050,-0.079050,10.159284,90.445824,116.507164

20.5965862,-4.546050,9.085951,-0.124050,10.160535,90.699539,116.580559

20.6012554,-4.518000,9.082951,-0.186000,10.146276,91.050400,116.446465

20.6059208,-4.491000,9.105000,-0.237000,10.155111,91.337288,116.254608

20.6105862,-4.386000,9.115050,-0.201000,10.117388,91.138359,115.696030

20.6152515,-4.278000,9.169950,-0.181050,10.120378,91.025055,115.010170

20.6199169,-4.137000,9.208051,-0.174000,10.096199,90.987495,114.193466

20.6245842,-4.015050,9.238951,-0.208050,10.075818,91.183151,113.488731

20.6292515,-3.900000,9.229051,-0.238950,10.022099,91.366196,112.907883

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20.6385841,-3.754050,9.166950,-0.208050,9.908034,91.203194,112.270088

20.6432495,-3.739050,9.105000,-0.201000,9.844893,91.169868,112.325943

20.6479149,-3.771000,9.112050,-0.196050,9.863485,91.138908,112.482101

20.6525822,-3.784950,9.112050,-0.172050,9.868380,90.998970,112.556953

20.6572475,-3.832950,9.148050,-0.141000,9.919587,90.814445,112.733238

20.6619148,-3.895050,9.165000,-0.118950,9.959056,90.684349,113.025093

20.6665802,-3.928950,9.205951,-0.114000,10.009953,90.652534,113.112000

20.6712475,-3.984000,9.253051,-0.117000,10.074964,90.665390,113.294815

20.6759148,-4.036050,9.274950,-0.129000,10.115881,90.730667,113.516556

20.6805801,-4.065000,9.304050,-0.169050,10.154711,90.953873,113.600830

20.6852455,-4.101000,9.298950,-0.186000,10.164806,91.048485,113.798325

20.6899147,-4.161000,9.268050,-0.186000,10.160969,91.048874,114.178253

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20.7039127,-4.234950,9.142950,-0.174000,10.077629,90.989319,114.853241

20.7085781,-4.249050,9.093000,-0.162000,10.038094,90.924713,115.046120

20.7132454,-4.240050,9.085951,-0.177000,10.028153,91.011337,115.016579

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20.7225780,-4.194000,9.076051,-0.112050,9.998844,90.642090,114.801437

20.7272453,-4.141950,9.103050,-0.118950,10.001771,90.681427,114.465858

20.7319088,-4.051050,9.121950,-0.121950,9.981776,90.700012,113.945969

20.7365761,-3.949950,9.153001,-0.124050,9.969700,90.712936,113.342468

20.7412415,-3.838050,9.172050,-0.109950,9.943301,90.633575,112.706902

20.7459068,-3.724950,9.208051,-0.136050,9.933880,90.784721,112.024902

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20.8019085,-5.121000,9.189000,-0.205050,10.521617,91.116676,119.130783

20.8065739,-5.334000,9.136050,-0.220050,10.581465,91.191597,120.278130

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20.8159065,-5.521050,9.004050,-0.246000,10.564820,91.334244,121.515549

20.8205719,-5.497050,8.968950,-0.208050,10.521545,91.133026,121.504044

20.8252411,-5.394000,8.937000,-0.157950,10.439836,90.866890,121.113426

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20.8392372,-4.888950,8.944950,-0.292050,10.198003,91.641060,118.659241

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20.8812389,-3.724950,9.141001,-0.193050,9.872710,91.120430,112.170853

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20.8952351,-3.805950,9.094951,-0.033000,9.859233,90.191772,112.707771

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20.9279003,-3.936000,9.241051,-0.043050,10.044450,90.245567,113.070396

20.9325657,-3.949950,9.210000,-0.016050,10.021300,90.091766,113.213341

20.9372330,-3.948000,9.181951,-0.034950,9.994806,90.200356,113.266449

20.9418983,-3.949950,9.162001,-0.040050,9.977272,90.229996,113.321991

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20.9559002,-3.904950,9.165000,-0.177000,9.963794,91.017876,113.077499

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20.9745655,-3.885000,9.225000,-0.262950,10.013142,91.504791,112.837822

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20.9885654,-4.129950,9.205951,-0.250950,10.093017,91.424736,114.161835

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21.0212307,-4.639950,9.093000,-0.141000,10.209392,90.791328,117.034180

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21.0352306,-4.374000,9.130950,-0.169050,10.125942,90.956581,115.595825

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21.0538979,-3.933000,9.162001,-0.304050,9.975128,91.746689,113.232544

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21.0632343,-3.760950,9.184051,-0.214950,9.926618,91.240776,112.269531

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21.2592411,-4.362000,9.208051,-0.160050,10.190234,90.899940,115.347656

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21.3339119,-3.804000,9.157950,-0.136050,9.917509,90.786018,112.556870

21.3385754,-3.756000,9.178950,-0.121950,9.918444,90.704483,112.254242

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21.4085751,-5.197050,9.208051,-0.286950,10.577329,91.554558,119.440506

21.4132442,-5.286000,9.181951,-0.282000,10.598563,91.524673,119.928802

21.4179096,-5.296050,9.124050,-0.298950,10.553947,91.623169,120.132996

21.4225769,-5.284050,9.045000,-0.286950,10.479292,91.569099,120.293289

21.4272442,-5.224050,8.973001,-0.307950,10.387506,91.698853,120.207817

21.4319096,-5.158950,8.925000,-0.304050,10.313236,91.689415,120.029358

21.4365768,-5.004000,8.884951,-0.270000,10.200748,91.516716,119.388191

21.4412422,-4.812000,8.892000,-0.213000,10.112783,91.206879,118.420509

21.4459076,-4.630050,8.899051,-0.205050,10.033569,91.170998,117.487320

21.4505749,-4.378950,8.937000,-0.256050,9.955438,91.473785,116.103920

21.4552422,-4.117950,9.016050,-0.294000,9.916306,91.698959,114.547859

21.4599094,-3.901950,9.105000,-0.282000,9.909883,91.630653,113.197563

21.4645729,-3.696000,9.153001,-0.295950,9.875496,91.717300,111.988953

21.4692402,-3.565050,9.190950,-0.277050,9.862044,91.609795,111.200623

21.4739075,-3.450000,9.244050,-0.283950,9.870947,91.648415,110.466232

21.4785748,-3.373050,9.273001,-0.282000,9.871450,91.637001,109.988838

21.4832420,-3.331950,9.292050,-0.253050,9.874620,91.468437,109.726852

21.4879074,-3.328050,9.280050,-0.241050,9.861712,91.400620,109.729057

21.4925766,-3.325050,9.280050,-0.220050,9.860209,91.278778,109.712646

21.4972439,-3.367950,9.265051,-0.160050,9.859507,90.930130,109.976776

21.5019112,-3.454050,9.237000,-0.114000,9.862334,90.662308,110.502594

21.5065765,-3.523950,9.201000,-0.052050,9.852884,90.302681,110.956657

21.5112438,-3.631950,9.196051,-0.046950,9.887397,90.272072,111.551384

21.5159073,-3.772950,9.172050,-0.067050,9.917972,90.387352,112.359962

21.5205746,-3.925950,9.190950,-0.121950,9.995075,90.699081,113.129936

21.5252419,-4.063050,9.202950,-0.124050,10.060719,90.706482,113.821182

21.5299072,-4.194000,9.210000,-0.097950,10.120441,90.554543,114.483315

21.5345745,-4.338000,9.238951,-0.105000,10.207227,90.589401,115.151649

21.5392399,-4.462050,9.261001,-0.198000,10.281792,91.103432,115.725273

21.5439053,-4.534050,9.277050,-0.249000,10.328759,91.381386,116.046532

21.5485725,-4.597050,9.268050,-0.270000,10.349034,91.494980,116.381897

21.5532398,-4.612950,9.249001,-0.190950,10.337300,91.058426,116.507782

21.5579052,-4.599000,9.196051,-0.169050,10.283322,90.941940,116.569908

21.5625725,-4.522050,9.129001,-0.184050,10.189282,91.034996,116.351517

21.5672379,-4.407000,9.082951,-0.226950,10.098176,91.287796,115.882416

21.5719051,-4.257000,9.055051,-0.249000,10.008896,91.425545,115.179359

21.5765705,-4.089000,9.037951,-0.274950,9.923713,91.587662,114.343216

21.5812378,-3.901950,9.081000,-0.328050,9.889256,91.900986,113.252365

21.5859051,-3.718050,9.127050,-0.354000,9.861656,92.057167,112.164314

21.5905704,-3.604950,9.177000,-0.363000,9.866345,92.108490,111.446114

21.5952358,-3.517050,9.210000,-0.292050,9.863014,91.696815,110.900505

21.5999031,-3.481050,9.249001,-0.298950,9.886915,91.732712,110.624855

21.6045704,-3.507000,9.274950,-0.334950,9.921489,91.934677,110.712372

21.6092377,-3.538050,9.297001,-0.361050,9.954014,92.078674,110.834732

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21.6185684,-3.751050,9.349051,-0.201000,10.075491,91.143089,111.861771

21.6232357,-3.897000,9.337050,-0.136050,10.118578,90.770401,112.654167

21.6279011,-4.029000,9.298950,-0.126000,10.135048,90.712326,113.425865

21.6325665,-4.158000,9.225000,-0.126000,10.119559,90.713417,114.262596

21.6372337,-4.270950,9.150001,-0.100050,10.098195,90.567680,115.021782

21.6418991,-4.342950,9.081000,-0.045000,10.066172,90.256134,115.559265

21.6465664,-4.402950,9.025950,-0.055050,10.042747,90.314072,116.003593

21.6512299,-4.447950,9.009001,-0.114000,10.047853,90.650078,116.276611

21.6558971,-4.446000,9.033000,-0.166950,10.069254,90.950020,116.206192

21.6605644,-4.435950,9.061951,-0.205050,10.091514,91.164276,116.082390

21.6652298,-4.435950,9.103050,-0.253050,10.129522,91.431480,115.980148

21.6698971,-4.405050,9.166950,-0.301050,10.174874,91.695488,115.665962

21.6745625,-4.363950,9.214951,-0.349050,10.202020,91.960693,115.340965

21.6792297,-4.302000,9.268050,-0.358950,10.224129,92.011963,114.899567

21.6838970,-4.228050,9.307950,-0.373050,10.230030,92.089821,114.429482

21.6885624,-4.209000,9.330001,-0.366000,10.242000,92.047913,114.281342

21.6932278,-4.158000,9.330001,-0.355950,10.220792,91.995789,114.020576

21.6978951,-4.158000,9.306001,-0.354000,10.198820,91.989128,114.075493

21.7025604,-4.174950,9.246000,-0.367950,10.151557,92.077179,114.301140

21.7072277,-4.162950,9.181951,-0.337050,10.087218,91.914810,114.388779

21.7118931,-4.186950,9.103050,-0.328050,10.025153,91.875206,114.700081

21.7165604,-4.174950,9.070951,-0.268050,9.989204,91.537659,114.714485

21.7212296,-4.189950,9.049951,-0.225000,9.975366,91.292450,114.843216

21.7258949,-4.177950,9.081000,-0.246000,9.999018,91.409760,114.706024

21.7305603,-4.173000,9.118951,-0.249000,10.031510,91.422333,114.589706

21.7352276,-4.134000,9.178950,-0.229050,10.069536,91.303413,114.245766

21.7398930,-4.081950,9.201000,-0.202950,10.067865,91.155060,113.924088

21.7445602,-4.003050,9.232051,-0.237000,10.065353,91.349220,113.441727

21.7492256,-3.912000,9.217951,-0.246000,10.016730,91.407265,112.995850

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21.7585583,-3.756000,9.190950,-0.213000,9.931087,91.228966,112.228012

21.7632236,-3.667950,9.181951,-0.198000,9.889453,91.147217,111.775421

21.7678909,-3.601050,9.201000,-0.217050,9.882969,91.258430,111.374176

21.7725582,-3.589050,9.220051,-0.274950,9.897788,91.591820,111.269257

21.7772255,-3.616950,9.246000,-0.271950,9.932009,91.569023,111.364983

21.7818909,-3.675000,9.270000,-0.277050,9.975736,91.591446,111.625359

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21.7912235,-3.823050,9.285001,-0.292050,10.045509,91.665977,112.379158

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21.8005562,-4.033950,9.270000,-0.310950,10.114462,91.761726,113.516838

21.8052216,-4.120050,9.258000,-0.307950,10.138058,91.740662,113.990303

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21.8145561,-4.300050,9.208051,-0.246000,10.165586,91.386650,115.032013

21.8192215,-4.345050,9.162001,-0.229050,10.142692,91.294006,115.372498

21.8238869,-4.339950,9.118951,-0.220050,10.101428,91.248230,115.451012

21.8285542,-4.303950,9.091050,-0.189000,10.060164,91.076477,115.334145

21.8332214,-4.246950,9.076051,-0.184050,10.022233,91.052246,115.076271

21.8378868,-4.198950,9.081000,-0.172050,10.006266,90.985207,114.815277

21.8425541,-4.125000,9.109950,-0.174000,10.001854,90.996811,114.361092

21.8472214,-4.065000,9.127050,-0.124050,9.992130,90.711334,114.007202

21.8518867,-3.993000,9.165000,-0.109950,9.997668,90.630127,113.541756

21.8565540,-3.916950,9.210000,-0.177000,10.009892,91.013184,113.039719

21.8612194,-3.904950,9.253051,-0.259950,10.046649,91.482651,112.880600

21.8658848,-3.877950,9.294001,-0.277050,10.074409,91.575851,112.648483

21.8705521,-3.876000,9.319950,-0.270000,10.097413,91.532242,112.581551

21.8752174,-3.865950,9.330001,-0.249000,10.102302,91.412361,112.507011

21.8798847,-3.868950,9.340051,-0.234000,10.112372,91.325943,112.500916

21.8845501,-3.865950,9.301050,-0.258000,10.075796,91.467270,112.570053

21.8892174,-3.885000,9.253051,-0.259950,10.038912,91.483795,112.775665

21.8938828,-3.889950,9.189000,-0.271950,9.982154,91.561134,112.944244

21.8985481,-3.901950,9.150001,-0.246000,9.950289,91.416664,113.095467

21.9032154,-3.892950,9.097950,-0.198000,9.897826,91.146240,113.165749

21.9078808,-3.889950,9.091050,-0.169050,9.889767,90.979431,113.165497

21.9125462,-3.912000,9.093000,-0.160050,9.900103,90.926315,113.278389

21.9172134,-3.940050,9.112050,-0.198000,9.929383,91.142601,113.383652

21.9218788,-3.948000,9.145950,-0.220050,9.964112,91.265434,113.348236

21.9265461,-3.949950,9.172050,-0.205050,9.988526,91.176285,113.299164

21.9312115,-3.948000,9.222000,-0.181050,10.033183,91.033966,113.176094

21.9358768,-3.928950,9.253051,-0.172050,10.054113,90.980515,113.006622

21.9405441,-3.931050,9.280050,-0.196050,10.080224,91.114418,112.957626

21.9452095,-3.943050,9.310950,-0.225000,10.113955,91.274734,112.951942

21.9498768,-3.960000,9.319950,-0.232050,10.129014,91.312729,113.020393

21.9545422,-3.964050,9.318001,-0.234000,10.128849,91.323784,113.045799

21.9592133,-3.991050,9.297001,-0.238950,10.120267,91.352936,113.233055

21.9638786,-4.030950,9.253051,-0.232050,10.095611,91.317070,113.539612

21.9685440,-4.099050,9.198001,-0.241050,10.072910,91.371246,114.019936

21.9732113,-4.141950,9.172050,-0.241050,10.066795,91.372086,114.303169

21.9778767,-4.158000,9.138000,-0.259950,10.042888,91.483208,114.466629

21.9825420,-4.204050,9.085951,-0.234000,10.014154,91.338951,114.829880

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22.0058765,-4.161000,9.064051,-0.141000,9.974508,90.809959,114.658264

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22.0152073,-4.066950,9.121950,-0.205050,9.989600,91.176155,114.029327

22.0198746,-4.003050,9.189000,-0.214950,10.025385,91.228546,113.539627

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22.0292072,-3.904950,9.330001,-0.220050,10.116619,91.246361,112.711113

22.0338745,-3.871050,9.366000,-0.205050,10.136520,91.159103,112.455742

22.0385399,-3.856950,9.358951,-0.166950,10.123927,90.944885,112.397224

22.0432072,-3.856950,9.354000,-0.198000,10.119910,91.121086,112.407906

22.0478725,-3.877950,9.307950,-0.237000,10.086258,91.346420,112.617966

22.0525398,-3.900000,9.250951,-0.225000,10.041948,91.283875,112.859230

22.0572052,-3.937950,9.184051,-0.186000,9.994440,91.066353,113.208755

22.0618706,-3.976050,9.138000,-0.172050,9.967027,90.989082,113.514420

22.0665359,-4.057950,9.118951,-0.177000,9.982662,91.015953,113.989151

22.0712032,-4.141950,9.115050,-0.178950,10.013587,91.023972,114.437416

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22.0805359,-4.354950,9.153001,-0.220050,10.138612,91.243652,115.444862

22.0852013,-4.434000,9.178950,-0.246000,10.196764,91.382416,115.783409

22.0898666,-4.515000,9.181951,-0.258000,10.235234,91.444412,116.184525

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22.0991993,-4.558050,9.181951,-0.241050,10.253884,91.347046,116.400452

22.1038647,-4.515000,9.193951,-0.238950,10.245539,91.336395,116.154907

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22.1131973,-4.417050,9.109950,-0.241050,10.127172,91.363899,115.866890

22.1178646,-4.369050,9.085951,-0.249000,10.084895,91.414803,115.680939

22.1225319,-4.246950,9.061951,-0.222000,10.010236,91.270767,115.110481

22.1271973,-4.162950,9.070951,-0.174000,9.982113,90.998787,114.651909

22.1318626,-4.065000,9.082951,-0.166950,9.952492,90.961166,114.110512

22.1365299,-3.976050,9.105000,-0.138000,9.936250,90.795784,113.590347

22.1411972,-3.904950,9.124050,-0.126000,9.925362,90.727379,113.170166

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22.1505299,-3.877950,9.177000,-0.162000,9.964039,90.931580,112.907593

22.1551952,-3.901950,9.198001,-0.165000,9.992780,90.946106,112.987488

22.1598625,-3.931050,9.238951,-0.184050,10.042173,91.050156,113.049103

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22.1691952,-3.979050,9.273001,-0.238950,10.093487,91.356529,113.224197

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22.1831951,-4.087050,9.220051,-0.196050,10.087208,91.113640,113.906677

22.1878605,-4.132050,9.189000,-0.196050,10.077202,91.114746,114.212189

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22.1971951,-4.246950,9.121950,-0.198000,10.064083,91.127304,114.965500

22.2018585,-4.290000,9.105000,-0.112050,10.065669,90.637825,115.228394

22.2065277,-4.342950,9.093000,-0.057000,10.077059,90.324089,115.529823

22.2111931,-4.371000,9.093000,-0.073950,10.089290,90.419960,115.673569

22.2158604,-4.405050,9.105000,-0.100050,10.115112,90.566727,115.817955

22.2205276,-4.443000,9.130950,-0.136050,10.155442,90.767601,115.946945

22.2251949,-4.422000,9.142950,-0.129000,10.156981,90.727715,115.810799

22.2298622,-4.405050,9.165000,-0.138000,10.169599,90.777519,115.670723

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22.2811890,-3.730050,9.172050,-0.202950,9.903584,91.174217,112.130379

22.2858543,-3.763050,9.142950,-0.154950,9.888281,90.897865,112.371056

22.2905216,-3.793950,9.150001,-0.088050,9.905772,90.509293,112.520821

22.2951889,-3.814050,9.165000,-0.064050,9.927150,90.369675,112.594826

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22.3091869,-4.012050,9.222000,-0.082950,10.057272,90.472565,113.511551

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22.3325214,-4.363950,9.297001,-0.124050,10.271011,90.692017,115.145050

22.3371868,-4.369050,9.250951,-0.141000,10.231744,90.789597,115.280487

22.3418522,-4.359000,9.201000,-0.201000,10.183304,91.130989,115.349388

22.3465195,-4.375950,9.150001,-0.229050,10.145143,91.293694,115.559265

22.3511848,-4.366950,9.106951,-0.244050,10.102790,91.384209,115.618576

22.3558521,-4.306950,9.079050,-0.259950,10.052191,91.481834,115.378883

22.3605194,-4.266000,9.082951,-0.259950,10.038243,91.483894,115.158089

22.3651848,-4.206000,9.081000,-0.241050,10.010650,91.379776,114.851913

22.3698540,-4.168050,9.129001,-0.265050,10.039001,91.512901,114.540131

22.3745193,-4.096050,9.154950,-0.307950,10.034220,91.758682,114.104393

22.3791847,-4.066950,9.196051,-0.354000,10.061448,92.016296,113.857399

22.3838501,-4.029000,9.210000,-0.367950,10.059440,92.096207,113.627419

22.3885174,-4.024050,9.213000,-0.331950,10.058953,91.891129,113.594719

22.3931866,-4.008000,9.196051,-0.328050,10.036883,91.873016,113.549469

22.3978519,-3.979050,9.186001,-0.318000,10.015817,91.819435,113.420555

22.4025154,-3.943050,9.178950,-0.306000,9.994720,91.754448,113.247162

22.4071846,-3.931050,9.153001,-0.234000,9.964203,91.345665,113.242661

22.4118500,-3.973950,9.153001,-0.181050,9.980104,91.039467,113.468994

22.4165154,-4.033950,9.160050,-0.177000,10.010525,91.013123,113.767982

22.4211826,-4.122000,9.129001,-0.184050,10.018154,91.052681,114.300514

22.4258499,-4.173000,9.141001,-0.181050,10.050104,91.032227,114.537392

22.4305172,-4.189950,9.150001,-0.129000,10.064533,90.734398,114.603897

22.4351826,-4.192050,9.181951,-0.090000,10.094038,90.510864,114.539223

22.4398499,-4.174950,9.208051,-0.046950,10.110421,90.266068,114.389641

22.4445152,-4.141950,9.244050,-0.105000,10.130116,90.593887,114.135559

22.4491806,-4.090950,9.265051,-0.201000,10.130027,91.136940,113.823685

22.4538479,-4.081950,9.238951,-0.286950,10.104596,91.627304,113.836784

22.4585133,-4.065000,9.222000,-0.294000,10.082458,91.670959,113.787582

22.4631786,-4.066950,9.184051,-0.256050,10.047508,91.460281,113.885078

22.4678440,-4.041000,9.174001,-0.226950,10.027137,91.296921,113.772720

22.4725094,-4.066950,9.177000,-0.214950,10.040100,91.226746,113.901375

22.4771748,-4.077000,9.178950,-0.250950,10.046792,91.431290,113.949280

22.4818401,-4.137000,9.190950,-0.289050,10.083248,91.642685,114.233307

22.4865055,-4.174950,9.201000,-0.270000,10.107497,91.530716,114.406151

22.4911728,-4.221000,9.201000,-0.286950,10.127072,91.623688,114.643501

22.4958382,-4.233000,9.202950,-0.282000,10.133712,91.594627,114.700600

22.5005035,-4.264050,9.186001,-0.271950,10.131076,91.538185,114.900261

22.5051689,-4.234950,9.186001,-0.222000,10.117643,91.257278,114.750748

22.5098362,-4.237050,9.172050,-0.213000,10.105665,91.207726,114.794685

22.5145016,-4.230000,9.138000,-0.238950,10.072391,91.359367,114.839516

22.5191669,-4.206000,9.129001,-0.277050,10.055140,91.578873,114.736923

22.5238323,-4.206000,9.109950,-0.294000,10.038329,91.678307,114.782440

22.5284977,-4.168050,9.121950,-0.270000,10.032722,91.542130,114.556862

22.5331650,-4.105950,9.121950,-0.222000,10.005902,91.271324,114.233353

22.5378304,-4.087050,9.129001,-0.186000,10.003860,91.065353,114.118042

22.5424976,-4.057950,9.117001,-0.184050,9.981009,91.056595,113.993706

22.5471649,-4.057950,9.109950,-0.214950,9.975186,91.234734,114.010178

22.5518303,-4.053000,9.142950,-0.226950,10.003592,91.299973,113.907349

22.5564995,-4.041000,9.157950,-0.225000,10.012411,91.287666,113.809753

22.5611649,-4.041000,9.189000,-0.190950,10.040112,91.089760,113.738213

22.5658302,-4.042950,9.226951,-0.160050,10.075102,90.910225,113.661476

22.5704975,-4.030950,9.262951,-0.153000,10.103179,90.867706,113.517189

22.5751629,-4.024050,9.292050,-0.160050,10.127231,90.905533,113.415688

22.5798283,-4.039050,9.298950,-0.210000,10.140439,91.186630,113.477982

22.5844955,-4.102950,9.313050,-0.210000,10.178959,91.182144,113.776337

22.5891609,-4.132050,9.277050,-0.178950,10.157240,91.009491,114.008461

22.5938282,-4.180050,9.258000,-0.166950,10.159294,90.941597,114.299500

22.5984936,-4.204050,9.213000,-0.160050,10.128130,90.905457,114.528030

22.6031590,-4.225050,9.166950,-0.213000,10.096008,91.208885,114.744987

22.6078262,-4.237050,9.133950,-0.184050,10.070527,91.047203,114.885605

22.6124916,-4.249050,9.081000,-0.174000,10.027426,90.994270,115.075150

22.6171589,-4.246950,9.064051,-0.162000,10.010986,90.927216,115.105385

22.6218224,-4.264050,9.057000,-0.178950,10.012162,91.024117,115.211128

22.6264896,-4.257000,9.061951,-0.193050,10.013904,91.104630,115.162560

22.6311550,-4.225050,9.097950,-0.196050,10.033054,91.119652,114.909958

22.6358223,-4.177950,9.121950,-0.205050,10.035302,91.170799,114.608284

22.6404896,-4.113000,9.165000,-0.202950,10.047646,91.157379,114.169235

22.6451550,-4.039050,9.196051,-0.201000,10.045978,91.146454,113.711838

22.6498203,-3.952050,9.214951,-0.202950,10.028719,91.159569,113.213219

22.6544895,-3.904950,9.232051,-0.202950,10.025996,91.159882,112.927269

22.6591549,-3.853950,9.232051,-0.234000,10.006921,91.339920,112.658257

22.6638203,-3.820950,9.237000,-0.201000,9.998112,91.151939,112.472778

22.6684875,-3.763050,9.238951,-0.190950,9.977736,91.096573,112.161201

22.6731529,-3.759000,9.226951,-0.208050,9.965440,91.196259,112.165665

22.6778202,-3.763050,9.222000,-0.214950,9.962532,91.236298,112.197983

22.6824856,-3.790050,9.202950,-0.222000,9.955303,91.277786,112.383331

22.6871510,-3.844950,9.205951,-0.189000,9.978421,91.085297,112.668304

22.6918182,-3.921000,9.205951,-0.238950,10.009040,91.367973,113.070137

22.6964836,-4.020000,9.217951,-0.237000,10.059184,91.350044,113.562286

22.7011509,-4.129950,9.210000,-0.253050,10.096764,91.436127,114.152428

22.7058182,-4.216050,9.210000,-0.226950,10.131667,91.283539,114.596825

22.7104836,-4.294950,9.190950,-0.202950,10.146988,91.146049,115.046783

22.7151489,-4.326000,9.165000,-0.129000,10.135489,90.729256,115.267929

22.7198143,-4.333050,9.138000,-0.105000,10.113822,90.594849,115.369339

22.7244816,-4.348050,9.106951,-0.081000,10.092010,90.459869,115.521820

22.7291508,-4.312050,9.064051,-0.079050,10.037781,90.451225,115.441879

22.7338142,-4.266000,9.052051,-0.058950,10.007091,90.337524,115.233307

22.7384834,-4.162950,9.045000,-0.067050,9.957242,90.385818,114.714195

22.7431507,-4.051050,9.085951,-0.058950,9.948316,90.339516,114.030121

22.7478161,-3.937950,9.133950,-0.105000,9.947237,90.604805,113.322479

22.7524834,-3.826050,9.196051,-0.114000,9.960874,90.655754,112.589928

22.7571507,-3.784950,9.238951,-0.189000,9.985979,91.084473,112.277596

22.7618160,-3.793950,9.273001,-0.265050,10.022617,91.515373,112.251404

22.7664833,-3.841950,9.318001,-0.331950,10.084439,91.886353,112.407082

22.7711487,-3.913950,9.331950,-0.363000,10.126010,92.054398,112.753860

22.7758141,-4.039050,9.331950,-0.439950,10.178054,92.477402,113.403900

22.7804813,-4.185000,9.307950,-0.439950,10.214975,92.468445,114.209435

22.7851467,-4.354950,9.274950,-0.397050,10.254167,92.219093,115.151886

22.7898121,-4.534050,9.241051,-0.313050,10.298185,91.741974,116.134521

22.7944775,-4.720950,9.172050,-0.262950,10.319061,91.460167,117.235352

22.7991447,-4.846050,9.103050,-0.217050,10.314884,91.205727,118.028809

22.8038101,-4.936950,9.037951,-0.196050,10.300314,91.090599,118.645424

22.8084774,-4.977000,8.988001,-0.172050,10.275422,90.959396,118.974976

22.8131428,-4.968000,8.937000,-0.154950,10.226192,90.868195,119.069298

22.8178082,-4.915050,8.971050,-0.126000,10.230021,90.705711,118.717407

22.8224754,-4.858050,9.000000,-0.153000,10.228590,90.857063,118.359436

22.8271408,-4.756950,9.064051,-0.193050,10.238303,91.080414,117.691170

22.8318062,-4.600950,9.112050,-0.238950,10.210548,91.340973,116.790596

22.8364716,-4.443000,9.181951,-0.238950,10.203214,91.341934,115.821602

22.8411388,-4.279950,9.220051,-0.246000,10.167981,91.386330,114.900742

22.8458042,-4.099050,9.225000,-0.217050,10.097027,91.231750,113.957565

22.8504696,-3.943050,9.205951,-0.184050,10.016539,91.052849,113.186195

22.8551369,-3.787050,9.169950,-0.177000,9.922755,91.022087,112.439880

22.8598022,-3.640950,9.124050,-0.136050,9.824628,90.793449,111.754463

22.8644676,-3.498000,9.106951,-0.129000,9.756495,90.757584,111.011894

22.8691349,-3.411000,9.109950,-0.102000,9.728130,90.600761,110.527199

22.8738022,-3.340050,9.136050,-0.105000,9.728020,90.618439,110.081917

22.8784676,-3.316050,9.208051,-0.118950,9.787673,90.696335,109.805222

22.8831348,-3.363000,9.280050,-0.114000,9.871276,90.661705,109.920029

22.8878002,-3.435000,9.343950,-0.114000,9.955984,90.656075,110.184311

22.8924656,-3.529050,9.378000,-0.130950,10.020890,90.748749,110.621902

22.8971310,-3.615000,9.397051,-0.189000,10.070180,91.075409,111.041496

22.9017982,-3.736950,9.376050,-0.205050,10.095403,91.163826,111.730415

22.9064655,-3.864000,9.340051,-0.229050,10.110367,91.298141,112.474991

22.9111309,-3.993000,9.277050,-0.220050,10.102283,91.248131,113.287865

22.9157963,-4.110000,9.198001,-0.190950,10.076298,91.085846,114.076820

22.9204617,-4.234950,9.154950,-0.208050,10.089162,91.181587,114.824593

22.9251270,-4.330950,9.109950,-0.220050,10.089437,91.249718,115.426826

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22.9391232,-4.435950,9.093000,-0.258000,10.120616,91.460770,116.005074

22.9437904,-4.441050,9.115050,-0.232050,10.142037,91.311043,115.976349

22.9484558,-4.429050,9.145950,-0.205050,10.164002,91.155968,115.839218

22.9531231,-4.407000,9.153001,-0.202950,10.160722,91.144501,115.709953

22.9577885,-4.410000,9.186001,-0.225000,10.192220,91.264946,115.644653

22.9624538,-4.369050,9.202950,-0.265050,10.190837,91.490356,115.395775

22.9671211,-4.330950,9.201000,-0.253050,10.172490,91.425430,115.206566

22.9717865,-4.309050,9.205951,-0.222000,10.166943,91.251183,115.082993

22.9764519,-4.249050,9.202950,-0.201000,10.138497,91.135986,114.783012

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22.9857845,-4.197000,9.166950,-0.208050,10.084199,91.182167,114.600220

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22.9951153,-4.165950,9.148050,-0.265050,10.055457,91.510422,114.484146

22.9997826,-4.162950,9.148050,-0.286950,10.054815,91.635361,114.468582

23.0044498,-4.185000,9.145950,-0.277050,10.061779,91.577835,114.587868

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23.0137806,-4.170000,9.172050,-0.250950,10.078610,91.426773,114.448540

23.0184460,-4.161000,9.165000,-0.280050,10.069239,91.593742,114.418518

23.0231113,-4.156050,9.169950,-0.283950,10.071811,91.615524,114.381218

23.0277786,-4.141950,9.153001,-0.256050,10.049813,91.459946,114.347878

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23.0557766,-3.976050,9.106951,-0.079050,9.937393,90.455780,113.585846

23.0604420,-4.017000,9.109950,-0.067050,9.956504,90.385849,113.794914

23.0651093,-4.537050,9.285001,0.094950,10.334655,89.473587,116.042122

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23.0884361,-3.957000,9.229051,-0.106950,10.042145,90.610222,113.207466

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23.0977688,-4.198950,9.322950,-0.438000,10.234277,92.452858,114.246254

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23.1164341,-4.029000,9.081000,-0.277050,9.938519,91.597404,113.925598

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23.1537590,-4.149000,9.202950,-0.282000,10.098912,91.600121,114.267456

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23.2004185,-3.880950,9.217951,-0.241050,10.004524,91.380623,112.832115

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23.2144165,-3.793950,9.265051,-0.217050,10.014107,91.241951,112.268631

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23.2237473,-3.852000,9.244050,-0.232050,10.017196,91.327385,112.621521

23.2284145,-3.931050,9.249001,-0.205050,10.051826,91.168877,113.026672

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23.2470779,-4.359000,9.124050,-0.160050,10.113100,90.906799,115.536064

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23.2704124,-4.575000,9.076051,-0.237000,10.166685,91.335770,116.751480

23.2750778,-4.551000,9.118951,-0.256050,10.194725,91.439186,116.522430

23.2797451,-4.471950,9.189000,-0.316050,10.224282,91.771393,115.950493

23.2844105,-4.390950,9.274950,-0.318000,10.266755,91.774948,115.333824

23.2890778,-4.234950,9.229051,-0.313050,10.159142,91.765823,114.649048

23.2937431,-4.053000,9.154950,-0.322950,10.017196,91.847511,113.879517

23.2984085,-3.883050,9.148050,-0.277050,9.941915,91.596863,112.999649

23.3030758,-3.739050,9.127050,-0.214950,9.865584,91.248451,112.277283

23.3077412,-3.640950,9.127050,-0.181050,9.828140,91.055542,111.747978

23.3124065,-3.586050,9.141001,-0.213000,9.821559,91.242668,111.420273

23.3170719,-3.555000,9.166950,-0.234000,9.834926,91.363350,111.196602

23.3217392,-3.591000,9.198001,-0.208050,9.876324,91.207054,111.326218

23.3264065,-3.577050,9.193951,-0.193050,9.867183,91.121056,111.259300

23.3310699,-3.655950,9.229051,-0.105000,9.927355,90.606018,111.610252

23.3357372,-3.700950,9.213000,-0.085950,9.928937,90.495987,111.885796

23.3404045,-3.835050,9.238951,-0.058950,10.003464,90.337646,112.543137

23.3450699,-3.964050,9.256050,-0.085950,10.069535,90.489059,113.183800

23.3497353,-4.069950,9.234000,-0.172050,10.092614,90.976776,113.785820

23.3544025,-4.138950,9.232051,-0.165000,10.118740,90.934326,114.147842

23.3590698,-4.216050,9.244050,-0.136050,10.161006,90.767181,114.516899

23.3637371,-4.300050,9.222000,-0.106950,10.175813,90.602203,114.998779

23.3684044,-4.363950,9.244050,-0.102000,10.222863,90.571686,115.271156

23.3730717,-4.453050,9.213000,-0.121950,10.233470,90.682800,115.796532

23.3777390,-4.507950,9.193951,-0.162000,10.240928,90.906395,116.119499

23.3824043,-4.513050,9.174001,-0.184050,10.225644,91.031311,116.194382

23.3870716,-4.459950,9.172050,-0.214950,10.201170,91.207375,115.931541

23.3917408,-4.336050,9.138000,-0.196050,10.116463,91.110420,115.384689

23.3964081,-4.216050,9.166950,-0.184050,10.091676,91.045006,114.698578

23.4010754,-4.108050,9.186001,-0.145950,10.063796,90.830963,114.094559

23.4057426,-3.997950,9.186001,-0.181050,10.019930,91.035332,113.519737

23.4104099,-3.892950,9.220051,-0.210000,10.010420,91.202049,112.890762

23.4150753,-3.766050,9.196051,-0.249000,9.940447,91.435364,112.270531

23.4197445,-3.660000,9.190950,-0.214950,9.895220,91.244713,111.713326

23.4244118,-3.603000,9.186001,-0.177000,9.868918,91.027657,111.416466

23.4290791,-3.543000,9.177000,-0.145950,9.838266,90.850014,111.110275

23.4337444,-3.598050,9.196051,-0.162000,9.876211,90.939865,111.368439

23.4384136,-3.712950,9.220051,-0.153000,9.940762,90.881882,111.934837

23.4430790,-3.853950,9.265051,-0.145950,10.035707,90.833282,112.585670

23.4477444,-3.991050,9.270000,-0.172050,10.094107,90.976631,113.293518

23.4524117,-4.110000,9.253051,-0.196050,10.126672,91.109299,113.949730

23.4570789,-4.221000,9.226951,-0.208050,10.148731,91.174652,114.582397

23.4617462,-4.297050,9.189000,-0.145950,10.145130,90.824295,115.062187

23.4664135,-4.342950,9.165000,-0.117000,10.142590,90.660950,115.354523

23.4710789,-4.387950,9.127050,-0.088050,10.127434,90.498146,115.676537

23.4757462,-4.411950,9.118951,-0.097950,10.130654,90.553986,115.818726

23.4804096,-4.405050,9.127050,-0.160050,10.135736,90.904778,115.763664

23.4850769,-4.366950,9.117001,-0.154950,10.110092,90.878166,115.593941

23.4897423,-4.315950,9.106951,-0.154950,10.079086,90.880867,115.357124

23.4944096,-4.218000,9.106951,-0.105000,10.036887,90.599403,114.851814

23.4990749,-4.105950,9.093000,-0.105000,9.977600,90.602966,114.301590

23.5037403,-4.012050,9.097950,-0.162000,9.944621,90.933403,113.796707

23.5084076,-3.925950,9.117001,-0.220050,9.928807,91.269936,113.297615

23.5130749,-3.909000,9.205951,-0.198000,10.003450,91.134140,113.006889

23.5177402,-3.847050,9.261001,-0.210000,10.030456,91.199646,112.558159

23.5224056,-3.804000,9.265051,-0.166950,10.016958,90.954979,112.321838

23.5270729,-3.799050,9.268050,-0.184050,10.018154,91.052681,112.289131

23.5317383,-3.792000,9.246000,-0.208050,9.995552,91.192657,112.299675

23.5364037,-3.852000,9.246000,-0.201000,10.018324,91.149612,112.617226

23.5410709,-3.925950,9.238951,-0.162000,10.039798,90.924553,113.022324

23.5457363,-4.030950,9.246000,-0.102000,10.086996,90.579384,113.555611

23.5504036,-4.156050,9.214951,-0.082950,10.109152,90.470139,114.275932

23.5550690,-4.222950,9.208051,-0.094950,10.130672,90.537018,114.636902

23.5597343,-4.306950,9.208051,-0.124050,10.166287,90.699142,115.067253

23.5643997,-4.309050,9.181951,-0.141000,10.143767,90.796448,115.140465

23.5690651,-4.252050,9.166950,-0.118950,10.105793,90.674416,114.884026

23.5737324,-4.177950,9.174001,-0.106950,10.081120,90.607857,114.485092

23.5783997,-4.138950,9.190950,-0.133950,10.080795,90.761345,114.243416

23.5830669,-4.093950,9.172050,-0.165000,10.045604,90.941132,114.053627

23.5877323,-4.066950,9.178950,-0.217050,10.041928,91.238510,113.896866

23.5923977,-4.063050,9.178950,-0.229050,10.040616,91.307167,113.876511

23.5970631,-4.053000,9.157950,-0.222000,10.017193,91.269890,113.872566

23.6017284,-4.048050,9.157950,-0.198000,10.014688,91.132866,113.846664

23.6063938,-4.041000,9.181951,-0.184050,10.033532,91.051064,113.754417

23.6110611,-4.063050,9.189000,-0.210000,10.049388,91.197388,113.853317

23.6157265,-4.087050,9.169950,-0.222000,10.041975,91.266754,114.022552

23.6203938,-4.129950,9.198001,-0.213000,10.084893,91.210220,114.180328

23.6250591,-4.185000,9.217951,-0.202950,10.125514,91.148483,114.418312

23.6297245,-4.252050,9.238951,-0.160050,10.171714,90.901573,114.713348

23.6343918,-4.306950,9.253051,-0.150000,10.207413,90.842003,114.960220

23.6390572,-4.357050,9.250951,-0.145950,10.226694,90.817726,115.219688

23.6437244,-4.366950,9.196051,-0.142950,10.181258,90.804489,115.401749

23.6483898,-4.359000,9.142950,-0.177000,10.130437,91.001129,115.489975

23.6530571,-4.366950,9.138000,-0.165000,10.129191,90.933365,115.542625

23.6577225,-4.333050,9.117001,-0.157950,10.095542,90.896461,115.420410

23.6623898,-4.261050,9.100050,-0.166950,10.049644,90.951874,115.091095

23.6670551,-4.192050,9.082951,-0.190950,10.005486,91.093529,114.774719

23.6717205,-4.078950,9.052051,-0.205050,9.930735,91.183128,114.256836

23.6763878,-3.979050,9.081000,-0.177000,9.916084,91.022774,113.661743

23.6810570,-3.892950,9.079050,-0.220050,9.880923,91.276093,113.208878

23.6857243,-3.802050,9.150001,-0.198000,9.910464,91.144783,112.564087

23.6903896,-3.748950,9.229051,-0.253050,9.964640,91.455170,112.107574

23.6950569,-3.724950,9.310950,-0.282000,10.032376,91.610741,111.804436

23.6997242,-3.700950,9.373051,-0.258000,10.080560,91.466576,111.546593

23.7043896,-3.720000,9.366000,-0.193050,10.079565,91.097427,111.662048

23.7090569,-3.792000,9.421050,-0.268050,10.159100,91.511940,111.924927

23.7137222,-3.901950,9.517051,-0.280050,10.289699,91.559586,112.293419