Keuwl Accelerometer Data File

2024-04-29 16:05:24

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

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3.9258592,-0.325602,9.676271,-0.850373,9.719022,95.019554,91.927246

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3.9606016,-0.352283,9.745828,-0.863541,9.790350,95.060249,92.070175

3.9655657,-0.372806,9.756687,-0.817361,9.797959,94.785263,92.188225

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23.1481800,-3.941105,8.994452,0.144236,9.821063,89.158501,113.661621

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23.5899010,-4.076799,8.792859,0.268869,9.695718,88.410942,114.874741

23.5948639,-4.073801,8.853710,0.188615,9.747801,88.891289,114.708275

23.5998287,-4.031510,8.791633,0.161637,9.673262,89.042557,114.634399

23.6047897,-4.043069,8.878016,0.186815,9.757072,88.902916,114.484634

23.6097546,-4.008612,8.791892,0.099302,9.663136,89.411194,114.510338

23.6147175,-3.994975,8.788598,0.063082,9.654183,89.625618,114.444809

23.6196804,-3.999179,8.859139,0.038068,9.720043,89.775604,114.295296

23.6246433,-3.987418,8.795914,0.068091,9.657756,89.596039,114.386032

23.6296062,-4.034776,8.876828,0.144648,9.751842,89.150108,114.443176

23.6345711,-4.032037,8.928792,0.083136,9.797324,89.513802,114.302841

23.6395321,-4.012921,8.943713,0.041621,9.802820,89.756729,114.165115

23.6444950,-4.061744,8.955502,0.084458,9.833917,89.507912,114.396545

23.6494598,-4.038750,8.978228,0.112844,9.845446,89.343292,114.220039

23.6544228,-4.031089,8.973344,0.124805,9.837996,89.273125,114.191017

23.6593857,-4.039152,8.919770,0.177133,9.793285,88.963623,114.362511

23.6643486,-4.088138,8.959208,0.145050,9.848925,89.156143,114.527481

23.6693115,-4.071378,8.979597,0.301650,9.864090,88.247581,114.389694

23.6742744,-4.114120,8.995647,0.331003,9.897334,88.083458,114.576775

23.6792374,-4.123457,8.951336,0.463316,9.866304,87.308434,114.733292

23.6842022,-4.109839,8.826378,0.607131,9.755220,86.431801,114.968170

23.6891632,-4.090656,8.840456,0.593312,9.759055,86.514496,114.830925

23.6941261,-4.031175,8.810413,0.572157,9.705726,86.620430,114.586304

23.6990910,-4.079442,8.899573,0.603435,9.808587,86.472878,114.626068

23.7040539,-4.042006,8.919637,0.551557,9.808259,86.776329,114.378044

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23.7139797,-3.992207,8.953357,0.556556,9.818863,86.750603,114.031586

23.7189445,-4.035312,8.962895,0.422213,9.838470,87.540428,114.238426

23.7239056,-4.027373,8.944872,0.418066,9.818618,87.559669,114.239357

23.7288685,-3.969807,8.876005,0.412780,9.732072,87.569107,114.096649

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23.7387962,-3.997685,8.844210,0.495734,9.718399,87.076080,114.323517

23.7437592,-4.011954,8.862741,0.565003,9.744906,86.676170,114.355141

23.7487221,-4.039124,8.833493,0.481531,9.725071,87.161873,114.572296

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23.7636108,-4.045435,8.836693,0.525029,9.732848,86.907730,114.598289

23.7685757,-4.038645,8.796335,0.608118,9.698246,86.404976,114.661186

23.7735367,-4.050290,8.895618,0.543666,9.789405,86.816376,114.480385

23.7785015,-4.028512,8.880219,0.519302,9.765084,86.951599,114.401428

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23.7884274,-4.023983,8.892008,0.452964,9.770640,87.342834,114.348618

23.7933903,-4.012797,8.953127,0.489825,9.823489,87.141899,114.141953

23.7983532,-4.027842,8.890848,0.484606,9.772693,87.157669,114.372063

23.8033180,-4.035293,8.832929,0.414293,9.719870,87.557129,114.553123

23.8082790,-4.027392,8.933092,0.354112,9.805377,87.930367,114.267738

23.8132420,-4.088760,8.921255,0.364675,9.820374,87.871857,114.622780

23.8182068,-4.017796,8.921935,0.371350,9.791911,87.826584,114.243370

23.8231697,-4.038846,8.853433,0.313066,9.736198,88.157349,114.521988

23.8281326,-4.060748,8.842831,0.258430,9.734070,88.478676,114.665230

23.8330956,-4.033138,8.908413,0.237074,9.781730,88.611221,114.357864

23.8380604,-4.077929,8.851171,0.347111,9.751575,87.960106,114.736565

23.8430214,-4.058057,8.833962,0.310624,9.726418,88.169884,114.672630

23.8479862,-4.060719,8.847313,0.270947,9.738470,88.405693,114.654068

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23.8728027,-4.048317,8.910271,0.230246,9.789526,88.652306,114.434334

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23.8926525,-3.982323,9.038551,0.241872,9.879920,88.597191,113.777962

23.8976173,-3.972881,9.092269,0.141564,9.923366,89.182602,113.602997

23.9026031,-4.001449,9.103713,0.106781,9.944878,89.384789,113.727425

23.9075451,-3.945290,9.071458,0.104023,9.892799,89.397522,113.504822

23.9125061,-3.918753,9.024244,0.189008,9.840190,88.899406,113.472763

23.9174690,-3.924470,9.050245,0.212308,9.866787,88.767044,113.443069

23.9224339,-3.979517,8.987584,0.238846,9.832104,88.608009,113.882774

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23.9472485,-4.191921,8.685311,0.445829,9.654305,87.353180,115.764046

23.9522114,-4.171446,8.701315,0.444364,9.659778,87.363380,115.613251

23.9571762,-4.161831,8.678282,0.468880,9.636040,87.210938,115.620911

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23.9770298,-4.236665,8.738654,0.558969,9.727582,86.705833,115.864983

23.9819908,-4.281206,8.802274,0.600916,9.806623,86.486916,115.937134

23.9869556,-4.253040,8.840024,0.632117,9.830256,86.313156,115.692757

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23.9968815,-4.341406,8.839259,0.799405,9.880250,85.359161,116.157982

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24.0117683,-4.302993,8.802876,0.849808,9.835067,85.043129,116.050163

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24.0514755,-4.093568,8.801487,0.484855,9.718979,87.140472,114.943123

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24.0614033,-3.987754,8.757817,0.493320,9.635606,87.065308,114.481506

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24.0713291,-4.002454,8.780313,0.381856,9.657088,87.733849,114.505592

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24.0911808,-3.945616,8.941625,0.266245,9.777086,88.439560,113.810135

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24.1110344,-4.121848,9.054114,0.193279,9.950074,88.886963,114.477203

24.1159973,-4.098337,8.952724,0.200510,9.848241,88.833382,114.597137

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24.1259251,-4.196078,8.938493,0.330773,9.879936,88.081421,115.147202

24.1308861,-4.210711,8.904324,0.336041,9.855455,88.046013,115.308716

24.1358509,-4.182374,8.956326,0.378696,9.891988,87.806007,115.031364

24.1408138,-4.149123,8.826760,0.341365,9.759275,87.995468,115.176430

24.1457767,-4.153662,8.823170,0.453165,9.762509,87.339439,115.209534

24.1507378,-4.165011,8.770708,0.508777,9.722732,87.000420,115.401985

24.1557026,-4.147715,8.775276,0.539998,9.721142,86.815651,115.298187

24.1606655,-4.165384,8.826982,0.588016,9.778129,86.552391,115.262260

24.1656284,-4.143176,8.799620,0.572013,9.743019,86.634224,115.212738

24.1705914,-4.117912,8.795340,0.694903,9.736431,85.907242,115.088638

24.1755562,-4.097149,8.775295,0.663309,9.707338,86.081886,115.027679

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24.1854820,-4.110643,8.769635,0.670932,9.708452,86.037247,115.114174

24.1904449,-4.166514,8.795235,0.652161,9.754041,86.166306,115.348038

24.1954079,-4.123179,8.800865,0.679465,9.742562,86.000839,115.102951

24.2003689,-4.107933,8.749763,0.719898,9.692870,85.740669,115.149620

24.2053337,-4.096393,8.821274,0.646051,9.747445,86.199707,114.909050

24.2102985,-4.077728,8.816791,0.673585,9.737422,86.033409,114.820335

24.2152596,-4.073083,8.782027,0.737213,9.708630,85.645126,114.881752

24.2202225,-4.063937,8.864225,0.677233,9.774903,86.027199,114.629799

24.2251873,-4.030667,8.823840,0.670635,9.724000,86.045341,114.550583

24.2301502,-4.067097,8.867912,0.575901,9.773066,86.621750,114.637650

24.2351131,-4.096201,8.946318,0.585650,9.856898,86.593750,114.601357

24.2400761,-4.050252,8.860012,0.563222,9.758154,86.691162,114.566963

24.2450409,-4.088023,8.850472,0.570002,9.765638,86.653854,114.792160

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24.2549667,-4.194757,8.848366,0.517674,9.805995,86.973854,115.364288

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24.2946720,-4.100597,8.824166,0.366878,9.737321,87.840729,114.924332

24.2996349,-4.114828,8.835792,0.257042,9.750338,88.489372,114.971397

24.3045979,-4.067672,8.811897,0.323121,9.710814,88.093163,114.778587

24.3095608,-4.036270,8.749706,0.269750,9.639585,88.396454,114.764038

24.3145256,-3.988395,8.797955,0.255911,9.663167,88.482445,114.386314

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24.3244514,-4.106362,8.921073,0.305175,9.825522,88.220146,114.716576

24.3294125,-4.103978,8.949698,0.394133,9.853683,87.707642,114.634315

24.3343754,-4.076090,8.959361,0.388866,9.850678,87.737602,114.463310

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24.3542290,-4.286607,8.908374,0.439767,9.895834,87.452957,115.696327

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24.4088230,-3.964128,8.854132,0.759680,9.730728,85.522346,114.118782

24.4137859,-4.033732,8.872030,0.768137,9.776193,85.493500,114.449257

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24.4237118,-4.110308,8.895148,0.670769,9.821824,86.084007,114.800919

24.4286766,-4.147648,8.897581,0.599163,9.835086,86.507324,114.992798

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24.4832706,-4.152236,8.808038,0.355922,9.744191,87.906715,115.239861

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24.5130501,-4.353406,8.666245,0.197799,9.700260,88.831596,116.672234

24.5180130,-4.366995,8.658735,0.264981,9.701265,88.434830,116.763893

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24.5279388,-4.383008,8.750960,0.354600,9.793662,87.925034,116.604469

24.5329018,-4.350399,8.745990,0.347303,9.774402,87.963745,116.446503

24.5378647,-4.326830,8.705232,0.259484,9.724703,88.471001,116.429115

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24.5527554,-4.362102,8.688051,0.314617,9.726724,88.146408,116.660339

24.5577183,-4.366612,8.607835,0.342198,9.658117,87.969521,116.897926

24.5626812,-4.397104,8.697675,0.348423,9.752203,87.952522,116.818855

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24.5726070,-4.372320,8.529047,0.255519,9.587863,88.472870,117.141434

24.5775700,-4.358683,8.531469,0.271196,9.584239,88.378540,117.062248

24.5825348,-4.426630,8.563581,0.316399,9.645211,88.120148,117.335045

24.5874977,-4.365434,8.632151,0.260096,9.676708,88.459785,116.826546

24.5924606,-4.359784,8.693682,0.320766,9.730915,88.110985,116.633247

24.5974236,-4.296175,8.760671,0.271579,9.761159,88.405685,116.123032

24.6023884,-4.288159,8.789440,0.403203,9.788010,87.639114,116.006645

24.6073494,-4.213651,8.873351,0.377585,9.830248,87.798698,115.401443

24.6123123,-4.197083,8.886866,0.337966,9.833926,88.030510,115.280403

24.6172771,-4.163201,8.899755,0.517416,9.838984,86.985519,115.069641

24.6222382,-4.208604,8.913134,0.501442,9.869536,87.087723,115.275749

24.6272030,-4.243493,8.839020,0.558433,9.820761,86.740257,115.645027

24.6321659,-4.216429,8.828524,0.648072,9.805157,86.210274,115.528748

24.6371288,-4.182182,8.851536,0.689013,9.814024,85.974121,115.289841

24.6420918,-4.153509,8.761447,0.604134,9.714914,86.434692,115.364067

24.6470547,-4.160883,8.712357,0.718845,9.681676,85.741989,115.528404

24.6520195,-4.121178,8.767432,0.725472,9.714849,85.717361,115.176117

24.6569805,-4.145608,8.745953,0.760686,9.708573,85.506157,115.361092

24.6619434,-4.099036,8.796614,0.663271,9.727407,86.090210,114.984528

24.6669083,-4.079921,8.835926,0.653857,9.754326,86.156441,114.784767

24.6718712,-4.024634,8.862789,0.663280,9.756365,86.101776,114.423019

24.6768341,-4.065393,8.873821,0.515759,9.774361,86.975296,114.614090

24.6817970,-4.097513,8.999105,0.545208,9.903069,86.844017,114.480934

24.6867599,-4.000366,8.940160,0.513872,9.807826,86.996666,114.106621

24.6917229,-4.024739,8.898778,0.542430,9.781667,86.821106,114.336288

24.6966858,-4.039832,8.899017,0.552141,9.788648,86.766441,114.416328

24.7016506,-4.045119,8.871217,0.529732,9.764327,86.890076,114.512154

24.7066116,-4.094123,8.907657,0.564103,9.819695,86.706772,114.684387

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24.7165394,-4.121934,8.850022,0.561163,9.778964,86.710297,114.973938

24.7215023,-4.210874,8.832736,0.590717,9.802940,86.545311,115.488770

24.7264652,-4.209868,8.805779,0.516812,9.774038,86.969009,115.551544

24.7314281,-4.242516,8.748078,0.448798,9.732894,87.357071,115.871780

24.7363911,-4.195944,8.707855,0.420824,9.675215,87.507133,115.727432

24.7413540,-4.176838,8.713564,0.442525,9.673056,87.377907,115.610680

24.7463169,-4.172538,8.698518,0.340714,9.653517,87.977364,115.626282

24.7512817,-4.250225,8.705939,0.360203,9.694717,87.870712,116.021553

24.7562447,-4.298320,8.749045,0.272853,9.751707,88.396652,116.164429

24.7612076,-4.305627,8.736854,0.287496,9.744418,88.309319,116.234634

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24.7711334,-4.264638,8.756917,0.232688,9.742940,88.631493,115.966187

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24.8257275,-4.306958,8.630992,0.297666,9.650519,88.232452,116.519691

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24.8356552,-4.248492,8.723379,0.380927,9.710414,87.751785,115.967178

24.8406181,-4.204055,8.659032,0.356621,9.632242,87.878212,115.897087

24.8455791,-4.179040,8.800300,0.492325,9.754591,87.106995,115.401863

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24.8555069,-4.042974,8.904716,0.434107,9.789180,87.458351,114.419289

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24.8654327,-4.196643,8.949009,0.393454,9.891986,87.720459,115.124260

24.8703957,-4.201776,9.004516,0.508366,9.949606,87.071251,115.015160

24.8753605,-4.197792,8.982700,0.555196,9.930690,86.795090,115.047607

24.8803215,-4.166897,8.940141,0.695200,9.887996,85.968353,114.989685

24.8852863,-4.088894,8.930659,0.643964,9.843293,86.248940,114.600632

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24.8952103,-4.098098,8.768132,0.672809,9.701919,86.023460,115.050705

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24.9150639,-3.951074,8.761256,0.622148,9.631079,86.296234,114.274002

24.9200306,-3.997120,8.767749,0.600772,9.654600,86.432381,114.507721

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24.9299545,-3.936910,8.858738,0.493282,9.706690,87.087044,113.960831

24.9349174,-3.908257,8.930065,0.528649,9.762172,86.895752,113.636665

24.9398804,-3.981471,8.915107,0.471476,9.775148,87.235435,114.065453

24.9448433,-4.033033,8.933092,0.392611,9.809161,87.706131,114.297798

24.9498081,-4.103508,8.927634,0.383676,9.833038,87.763809,114.685463

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24.9597340,-4.112472,8.949832,0.361745,9.856104,87.896622,114.678909

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24.9944744,-4.207263,8.752972,0.141411,9.712650,89.165771,115.672050

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25.0341797,-4.277557,8.741709,0.371800,9.739261,87.812180,116.073769

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25.0441074,-4.319849,8.690291,0.482958,9.716763,87.151016,116.431465

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25.0788517,-4.069578,8.848175,0.543359,9.754328,86.806717,114.699318

25.0838108,-4.092150,8.891529,0.564160,9.804247,86.701241,114.713318

25.0887756,-4.117136,8.845148,0.522539,9.770389,86.934250,114.960487

25.0937386,-4.118994,8.851383,0.535707,9.777529,86.859215,114.954933

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25.1086273,-3.987955,8.900033,0.590927,9.770546,86.532608,114.136345

25.1135902,-3.957884,8.959659,0.635613,9.815515,86.287163,113.833199

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25.1235161,-4.008593,8.888369,0.559123,9.766500,86.718079,114.275047

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25.1334419,-3.946315,8.861602,0.542335,9.715735,86.800072,114.004723

25.1384068,-3.896717,8.832239,0.482096,9.665674,87.141060,113.806709

25.1433716,-3.935187,8.810403,0.371618,9.656448,87.794487,114.068039

25.1483326,-3.930839,8.888953,0.474311,9.730876,87.206131,113.855789

25.1532974,-4.029805,8.953366,0.381913,9.825882,87.772461,114.231949

25.1582603,-4.048633,8.971390,0.251755,9.845843,88.534805,114.288834

25.1632233,-4.085025,8.929798,0.284738,9.823940,88.339104,114.582199

25.1681843,-4.131157,9.021534,0.331396,9.927958,88.087105,114.604073

25.1731491,-4.148481,9.016229,0.350435,9.931016,87.977791,114.707756

25.1781139,-4.224272,8.935371,0.350540,9.889804,87.968750,115.302834

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25.1880379,-4.253472,8.861917,0.378562,9.837118,87.794540,115.639702

25.1930008,-4.202312,8.812883,0.528400,9.777809,86.902184,115.493553

25.1979637,-4.231378,8.782937,0.554516,9.764836,86.744591,115.723488

25.2029266,-4.191835,8.774289,0.487526,9.736391,87.129852,115.535706

25.2078915,-4.192764,8.800118,0.497008,9.760552,87.081238,115.475189

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25.2178173,-4.135246,8.774241,0.494479,9.712470,87.081711,115.234215

25.2227802,-4.164427,8.717308,0.472481,9.672495,87.200104,115.534714

25.2277451,-4.207646,8.767845,0.381205,9.732662,87.755287,115.636124

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25.2674484,-4.208058,8.702636,0.450819,9.677131,87.329857,115.805550

25.2724133,-4.246040,8.721867,0.457494,9.711287,87.299828,115.958069

25.2773762,-4.195331,8.825918,0.484184,9.784277,87.163506,115.423714

25.2823410,-4.181560,8.851431,0.425249,9.798679,87.512665,115.286812

25.2873020,-4.147629,8.857139,0.311629,9.785134,88.174980,115.092796

25.2922668,-4.178188,8.897324,0.350894,9.835790,87.955528,115.154778

25.2972298,-4.135371,8.917128,0.435151,9.838994,87.465141,114.879791

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25.3220425,-4.095857,8.817385,0.503932,9.735310,87.032860,114.915840

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25.3865662,-4.246308,8.890025,0.459486,9.862800,87.329750,115.531410

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25.4361954,-4.204735,8.804782,0.573545,9.774096,86.635941,115.526871

25.4411602,-4.227365,8.778599,0.642728,9.764605,86.225937,115.713303

25.4461250,-4.169455,8.832899,0.612437,9.786702,86.412170,115.269043

25.4510880,-4.106027,8.846010,0.589194,9.770288,86.542702,114.899178

25.4560490,-4.155223,8.897448,0.660330,9.842077,86.152985,115.033180

25.4610138,-4.151057,8.853298,0.600897,9.796594,86.483421,115.120529

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25.4808674,-4.076033,8.815230,0.644280,9.733315,86.204628,114.815125

25.4858303,-4.112635,8.878839,0.621841,9.804808,86.363739,114.853340

25.4907932,-4.069377,8.806123,0.677492,9.724537,86.005066,114.802017

25.4957561,-4.081683,8.752062,0.653445,9.679138,86.128983,115.002846

25.5007191,-4.106133,8.885351,0.593494,9.806224,86.530212,114.802788

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25.5404243,-4.198242,8.825209,0.389690,9.780664,87.716568,115.440910

25.5453873,-4.183551,8.851976,0.422059,9.799884,87.531631,115.295982

25.5503502,-4.150330,8.820594,0.486176,9.760352,87.144836,115.198257

25.5553131,-4.201594,8.785456,0.553290,9.754167,86.748238,115.559196

25.5602760,-4.212809,8.876446,0.418382,9.834332,87.561729,115.389267

25.5652409,-4.172241,8.810116,0.321197,9.753405,88.112808,115.341011

25.5702038,-4.120862,8.874310,0.256362,9.787778,88.499138,114.908203

25.5751667,-4.120354,8.941358,0.351268,9.851324,87.956573,114.741180

25.5801296,-4.165365,8.933964,0.341384,9.863191,88.016487,114.996788

25.5850945,-4.192056,8.822853,0.289564,9.772406,88.302032,115.414078

25.5900555,-4.264830,8.677467,0.404122,9.677320,87.606651,116.173340

25.5950184,-4.346472,8.618168,0.321637,9.657540,88.091454,116.763557

25.5999832,-4.359612,8.715162,0.411113,9.753424,87.584229,116.575729

25.6049461,-4.323918,8.722776,0.401192,9.743924,87.640266,116.367813

25.6099072,-4.224147,8.748738,0.270794,9.718907,88.403389,115.772614

25.6148720,-4.199564,8.839067,0.344325,9.792038,87.984848,115.413048

25.6198349,-4.099658,8.828485,0.370144,9.740962,87.822311,114.908607

25.6247978,-4.019951,8.883427,0.354361,9.757092,87.918655,114.347824

25.6297607,-4.028675,8.898166,0.532308,9.782174,86.880646,114.358803

25.6347237,-4.030399,8.825123,0.642843,9.723176,86.209152,114.545998

25.6396866,-4.024806,8.773438,0.637834,9.673629,86.219437,114.643250

25.6446495,-4.020650,8.720056,0.773432,9.633441,85.394981,114.753517

25.6496143,-4.096106,8.631873,0.700122,9.580056,85.809021,115.385864

25.6545773,-4.082191,8.687533,0.610407,9.618217,86.361359,115.168388

25.6595402,-4.090858,8.708095,0.648130,9.642930,86.146080,115.163033

25.6645031,-3.835578,8.677277,0.603990,9.506397,86.357254,113.846657

25.6694660,-3.670321,8.762778,0.495897,9.513330,87.012016,112.726547

25.6744289,-3.775139,8.819664,0.471399,9.605226,87.186943,113.172699

25.6793919,-3.919021,8.841403,0.396920,9.679188,87.649780,113.905693

25.6843548,-3.968868,9.073106,0.308105,9.907981,88.218002,113.626114

25.6893196,-4.021550,9.146186,0.617062,10.010312,86.465897,113.734947