Keuwl Accelerometer Data File

2024-04-30 17:11:53

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

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17.7135220,-2.693937,9.399789,0.686427,9.802271,85.984444,105.992058

17.7184849,-2.667237,9.440892,0.544547,9.825535,86.822952,105.776024

17.7234497,-2.704950,9.432379,0.454898,9.823109,87.345741,106.001450

17.7284088,-2.745805,9.462345,0.509563,9.865853,87.039406,106.181793

17.7333755,-2.790586,9.473090,0.456536,9.886113,87.353165,106.413933

17.7383366,-2.834457,9.477514,0.489164,9.904378,87.169083,106.650436

17.7432995,-2.908773,9.442215,0.506345,9.893066,87.066216,107.121994

17.7482624,-2.991335,9.435596,0.386807,9.905967,87.762154,107.589996

17.7532272,-2.980398,9.340882,0.362683,9.811544,87.881584,107.696335

17.7581882,-2.986757,9.344253,0.428122,9.819321,87.501114,107.725739

17.7631531,-3.003076,9.288526,0.381617,9.769381,87.761314,107.916557

17.7681160,-2.981921,9.221277,0.360337,9.698126,87.870667,107.919853

17.7730808,-2.977084,9.239454,0.404457,9.715665,87.614120,107.859680

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17.7830067,-2.896783,9.236322,0.484969,9.692069,87.131851,107.412964

17.7879696,-2.960268,9.227780,0.409753,9.699640,87.578865,107.786217

17.7929306,-2.925896,9.232291,0.378868,9.692245,87.759750,107.584442

17.7978935,-2.992934,9.250028,0.521792,9.736167,86.927864,107.929482

17.8028584,-3.025907,9.299999,0.583017,9.797245,86.588409,108.023148

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17.8127842,-3.098461,9.320091,0.580287,9.838764,86.618752,108.389366

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17.8425617,-3.188493,9.332014,0.630671,9.881838,86.340828,108.863884

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17.8524895,-3.336952,9.209134,0.683104,9.818861,86.010674,109.918106

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17.9517517,-2.989783,9.205782,0.300635,9.683781,88.220955,107.992363

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17.9914589,-3.245781,9.177761,0.542852,9.749928,86.808266,109.476509

17.9964199,-3.165441,9.156366,0.490198,9.700482,87.103416,109.070747

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18.0361252,-3.064884,9.296130,0.663979,9.810832,86.119362,108.247108

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18.0559788,-3.044419,9.232531,0.607907,9.740517,86.421837,108.249931

18.0609417,-2.996583,9.217974,0.662811,9.715445,86.088104,108.008331

18.0659046,-2.976328,9.246264,0.700955,9.738750,85.872513,107.843117

18.0708675,-3.013285,9.245564,0.754212,9.753419,85.565010,108.051659

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18.1006470,-2.858035,9.303389,0.486454,9.744642,87.138596,107.077148

18.1056099,-2.903228,9.292596,0.495705,9.748169,87.085190,107.350044

18.1105747,-2.798065,9.266987,0.482163,9.692198,87.148499,106.801117

18.1155357,-2.754299,9.297471,0.454429,9.707504,87.316879,106.501488

18.1204987,-2.779745,9.339676,0.456814,9.755265,87.316010,106.574455

18.1254616,-2.796121,9.304815,0.321130,9.721163,88.106941,106.725662

18.1304245,-2.902385,9.297873,0.332899,9.746031,88.042542,107.336060

18.1353874,-2.951677,9.262898,0.366255,9.728711,87.842484,107.674789

18.1403522,-3.106774,9.205045,0.287275,9.719435,88.306274,108.649933

18.1453152,-3.205281,9.154326,0.301794,9.703947,88.217804,109.297104

18.1502781,-3.184097,9.121429,0.301152,9.665901,88.214592,109.243004

18.1552410,-3.215403,9.093829,0.310145,9.650531,88.158333,109.472618

18.1602058,-3.176253,9.142853,0.313803,9.683947,88.143036,109.157372

18.1651669,-3.117394,9.153694,0.444804,9.680192,87.366333,108.806854

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18.1750927,-3.153269,9.205216,0.340886,9.736289,87.993553,108.909019

18.1800575,-3.150099,9.224284,0.417424,9.756269,87.547836,108.855072

18.1850185,-3.107942,9.254107,0.417539,9.770984,87.550858,108.564346

18.1899834,-3.059905,9.284092,0.464188,9.786361,87.281319,108.241486

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18.2098351,-3.009272,9.362938,0.552764,9.850171,86.783035,107.817535

18.2147980,-3.045109,9.376010,0.535621,9.872646,86.889999,107.992584

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18.2396145,-2.814231,9.262582,0.513413,9.694273,86.964172,106.900246

18.2445774,-2.879851,9.194663,0.538533,9.650149,86.800911,107.391022

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18.2545052,-2.928942,9.104881,0.430841,9.574090,87.420776,107.832420

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18.2793198,-2.916061,9.104172,0.394450,9.567912,87.637238,107.760231

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18.3339138,-3.057108,9.271258,0.468239,9.773504,87.253967,108.249474

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18.3785839,-2.872908,9.319228,0.577386,9.769083,86.611649,107.133354

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18.3885078,-2.957117,9.492052,0.615099,9.961021,86.459702,107.303696

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18.4133263,-2.920897,9.539697,0.569456,9.993084,86.733231,107.023720

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18.4282150,-2.862010,9.288028,0.375085,9.726214,87.789879,107.126137

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18.4480686,-2.847079,9.012609,0.345799,9.457935,87.904694,107.531303

18.4530296,-2.833116,9.046519,0.294640,9.484349,88.219765,107.389091

18.4579926,-2.788718,9.100954,0.334326,9.524499,87.988403,107.036133

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18.4679203,-2.805334,9.286256,0.368496,9.707741,87.824585,106.809319

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18.5572567,-2.734762,9.165071,1.097445,9.627141,83.454346,106.614555

18.5622196,-2.752413,9.234186,1.026634,9.690199,83.918350,106.597618

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18.5771084,-2.885099,9.500383,0.528170,9.942839,86.954979,106.892616

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21.6641960,-4.451846,8.691450,0.568805,9.781809,86.666412,117.121971

21.6691589,-4.651781,8.700807,0.565673,9.882463,86.718590,118.130646

21.6741219,-4.821740,8.704168,0.589347,9.967901,86.610435,118.984596

21.6790848,-4.927851,8.625073,0.430765,9.942895,87.516945,119.741066

21.6840515,-5.064359,8.605700,0.275467,9.989078,88.419762,120.476341

21.6890125,-5.077432,8.584611,0.272719,9.977487,88.433716,120.602509

21.6939754,-5.107656,8.590338,0.274854,9.997879,88.424667,120.734932

21.6989384,-4.973743,8.575274,0.441022,9.923101,87.452713,120.114151

21.7039032,-4.871540,8.572095,0.505454,9.872598,87.065308,119.609657

21.7088642,-4.782983,8.597933,0.461851,9.849603,87.312393,119.086945

21.7138290,-4.637109,8.588518,0.438311,9.770237,87.428741,118.365479

21.7187920,-4.603676,8.570322,0.377968,9.735868,87.775093,118.243134

21.7237568,-4.578624,8.531317,0.450263,9.692776,87.337456,118.221756

21.7287159,-4.585308,8.497846,0.285839,9.660234,88.304413,118.350624

21.7336826,-4.573749,8.462200,0.326282,9.624681,88.057274,118.390854

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21.7485695,-4.930322,8.527332,0.185244,9.851791,88.922600,120.035591

21.7535343,-5.085802,8.528559,0.306582,9.934570,88.231560,120.808723

21.7584953,-5.128782,8.648689,0.601242,10.073019,86.578079,120.668480

21.7634602,-5.154927,8.676606,0.659488,10.113935,86.261330,120.715302

21.7684231,-5.124022,8.701688,0.601558,10.116167,86.590897,120.491867

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22.6469002,-3.225018,9.193170,0.799194,9.775164,85.310402,109.331169

22.6518650,-3.177288,9.199643,0.699260,9.757948,85.890633,109.053413

22.6568260,-3.059234,9.319967,0.829878,9.844257,85.164185,108.172173

22.6617908,-3.002099,9.368971,0.853906,9.875190,85.039444,107.767014

22.6667538,-2.959320,9.267226,0.741800,9.756501,85.639511,107.709930

22.6717186,-2.960632,9.259048,0.743783,9.749284,85.624596,107.731964

22.6766815,-3.023340,9.322753,0.782607,9.831926,85.434509,107.967720

22.6816425,-3.055423,9.349808,0.763109,9.865944,85.563866,108.096870

22.6866093,-3.134633,9.290585,0.657141,9.827142,86.165771,108.644333

22.6915684,-3.317511,9.308906,0.671353,9.905167,86.113625,109.615067

22.6965351,-3.400849,9.237338,0.717686,9.869613,85.829956,110.211853

22.7014961,-3.478536,9.237625,0.707247,9.896168,85.901764,110.634453

22.7064610,-3.596733,9.228900,0.740843,9.932670,85.722542,111.292107

22.7114220,-3.617648,9.188927,0.682913,9.898996,86.044136,111.489388

22.7163868,-3.584426,9.188066,0.598254,9.880616,86.528717,111.311630

22.7213497,-3.563463,9.112246,0.606566,9.803020,86.452530,111.358635

22.7263126,-3.501127,9.156183,0.553377,9.818341,86.769012,110.925781

22.7312756,-3.394384,9.075365,0.505406,9.702553,87.014107,110.506889

22.7362404,-3.298731,9.087077,0.451269,9.677822,87.327377,109.951576

22.7412014,-3.245465,9.156595,0.408288,9.723322,87.593407,109.516365

22.7461662,-3.110451,9.106911,0.469244,9.634880,87.208435,108.857521

22.7511272,-3.057970,9.075346,0.421964,9.585987,87.477097,108.621429

22.7560921,-3.213402,9.078592,0.422519,9.639777,87.487877,109.491608

22.7610531,-3.288283,9.101567,0.381712,9.684887,87.741203,109.864159

22.7660179,-3.370404,9.126237,0.398491,9.736869,87.654457,110.269653

22.7709808,-3.415051,9.168710,0.504449,9.797055,87.048546,110.428749

22.7759438,-3.486647,9.140018,0.600715,9.800893,86.486031,110.880379

22.7809067,-3.533085,9.117657,0.594030,9.796287,86.523552,111.181313

22.7858715,-3.590536,9.060645,0.580096,9.763389,86.593742,111.617348

22.7908344,-3.707431,9.049632,0.743859,9.807865,85.650330,112.277809

22.7957973,-3.637999,9.019925,0.723049,9.752789,85.748322,111.965660

22.8007603,-3.696102,8.994106,0.686082,9.748119,85.964127,112.340065

22.8057251,-3.672284,9.080000,0.791245,9.826400,85.381409,112.020210

22.8106861,-3.537797,9.038868,0.805266,9.739897,85.257538,111.375290

22.8156509,-3.514650,9.081388,0.830510,9.773133,85.125191,111.157272

22.8206120,-3.400897,9.093016,0.825798,9.743254,85.138008,110.506401

22.8255787,-3.346788,9.041511,0.723231,9.668142,85.709946,110.312439

22.8305378,-3.331398,9.058099,0.707199,9.677164,85.809135,110.192574

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22.8404655,-3.405311,9.069350,0.767342,9.717925,85.471123,110.579887

22.8454285,-3.400724,9.110856,0.802565,9.757906,85.282227,110.468628

22.8503914,-3.425528,9.068039,0.739128,9.721620,85.639633,110.694481

22.8553562,-3.501884,9.048147,0.773461,9.732954,85.441994,111.157822

22.8603172,-3.517006,9.086944,0.714966,9.770008,85.803360,111.158401

22.8652821,-3.564765,9.031350,0.753963,9.738649,85.559738,111.539650

22.8702450,-3.563846,9.021361,0.791695,9.732047,85.333870,111.556259

22.8752079,-3.613425,9.026993,0.834657,9.759103,85.093727,111.815788

22.8801689,-3.659940,9.101233,0.888431,9.849715,84.824966,111.906868

22.8851357,-3.734323,9.088256,0.776622,9.856201,85.480682,112.337532

22.8900967,-3.727619,9.072827,0.856971,9.846103,85.006851,112.335571

22.8950596,-3.686075,9.063548,0.941228,9.829596,84.505257,112.131195

22.9000225,-3.631199,9.032499,0.977859,9.784061,84.264053,111.900864

22.9049873,-3.544175,9.007725,0.906962,9.722287,84.647270,111.477631

22.9099503,-3.486331,9.037575,0.919460,9.730245,84.577744,111.094597

22.9149132,-3.465348,9.099403,0.799290,9.769680,85.307198,110.848457

22.9198761,-3.422138,9.074810,0.803274,9.731827,85.265366,110.661613

22.9248409,-3.336684,9.093886,0.982887,9.736442,84.206161,110.148849

22.9298019,-3.337115,9.055723,0.794712,9.683699,85.292610,110.229294

22.9347649,-3.381398,9.132051,0.698494,9.762996,85.897263,110.318489

22.9397278,-3.457515,9.136570,0.756127,9.798115,85.574043,110.727943

22.9446907,-3.466450,9.171315,0.830386,9.839656,85.158951,110.704910

22.9496536,-3.578489,9.080633,0.696301,9.785107,85.919426,111.508369

22.9546185,-3.723146,9.044748,0.691963,9.805513,85.953346,112.373840

22.9595776,-3.774516,9.091703,0.763319,9.873636,85.566109,112.546295

22.9645462,-3.838767,9.014916,0.729216,9.825304,85.743698,113.065468

22.9695072,-3.827170,9.012877,0.738669,9.819613,85.685921,113.007706

22.9744720,-3.853161,8.957102,0.601740,9.769269,86.468620,113.276382

22.9794331,-3.779889,8.915375,0.637844,9.704551,86.231445,112.975693

22.9843979,-3.760247,8.879759,0.550350,9.658802,86.733566,112.950844

22.9893589,-3.730875,8.890398,0.573603,9.658551,86.595306,112.765465

22.9943237,-3.621939,8.939499,0.617177,9.665092,86.338814,112.055885

22.9992847,-3.600209,8.971515,0.664113,9.689717,86.069984,111.865265

23.0042515,-3.557583,8.955186,0.644701,9.657504,86.172287,111.666199

23.0092125,-3.522675,8.940236,0.670376,9.632573,86.009285,111.505669

23.0141754,-3.435038,8.947582,0.622847,9.604512,86.281792,111.002136

23.0191383,-3.522139,8.958883,0.712830,9.652729,85.764992,111.462013

23.0241032,-3.518308,8.960740,0.846973,9.663887,84.971970,111.436752

23.0290642,-3.542518,8.997534,0.832148,9.705541,85.081451,111.490601

23.0340290,-3.693688,8.971122,0.930751,9.746315,84.520035,112.378479

23.0389900,-3.735759,8.919378,0.913752,9.713195,84.602020,112.725700

23.0439568,-3.845471,8.904275,0.827091,9.734364,85.125923,113.357971

23.0489159,-3.923953,8.901115,0.921930,9.771244,84.586014,113.789726

23.0538807,-3.935302,8.907820,0.971586,9.786716,84.302521,113.834908

23.0588436,-3.928627,8.843137,0.892702,9.717617,84.729134,113.953529

23.0638065,-3.940176,8.806209,0.907153,9.690058,84.628281,114.105247

23.0687695,-3.914223,8.788118,0.959673,9.668151,84.303368,114.008163

23.0737343,-3.836632,8.819138,0.908303,9.660329,84.604851,113.510719

23.0786972,-3.790586,8.882172,0.858925,9.695322,84.917412,113.111023

23.0836601,-3.751944,8.852399,0.922725,9.658854,84.518089,112.968864

23.0886211,-3.773425,8.839383,0.856243,9.649176,84.909019,113.117043

23.0935879,-3.799253,8.840992,0.933308,9.667912,84.460228,113.254723

23.0985470,-3.836584,8.875861,0.941515,9.715284,84.438698,113.376373

23.1035137,-3.828875,8.908298,0.967018,9.744391,84.304680,113.258514

23.1084747,-3.830598,8.944747,0.870752,9.769350,84.886383,113.183083

23.1134415,-3.856877,9.029061,0.841322,9.854302,85.102348,113.130356

23.1184025,-3.845002,8.929664,0.845029,9.758945,85.032524,113.296112

23.1233654,-3.828721,8.911171,0.803915,9.732130,85.261726,113.250977

23.1283283,-3.811607,8.957379,0.725338,9.761614,85.738701,113.051064

23.1332932,-3.793019,8.932154,0.709814,9.730067,85.816528,113.008392

23.1382542,-3.775570,9.004832,0.619888,9.783977,86.367455,112.747459

23.1432190,-3.710496,9.001566,0.604651,9.755079,86.446350,112.401733

23.1481800,-3.675990,8.936118,0.686571,9.687027,85.935738,112.360466

23.1531448,-3.670886,8.929529,0.729255,9.682134,85.680412,112.347328

23.1581059,-3.679093,8.900645,0.715273,9.657578,85.752594,112.457817

23.1630707,-3.734342,8.857196,0.768606,9.642924,85.428291,112.861099

23.1680317,-3.697864,8.884528,0.729350,9.650958,85.665863,112.597755

23.1729965,-3.702786,8.916438,0.632337,9.675399,86.252754,112.551956

23.1779613,-3.684092,8.885313,0.618365,9.638657,86.321678,112.520226

23.1829224,-3.573250,8.907331,0.556968,9.613473,86.678642,111.858604

23.1878853,-3.587003,8.951862,0.596099,9.662182,86.462944,111.835930

23.1928501,-3.678308,9.008672,0.514753,9.744285,86.971870,112.210556

23.1978149,-3.639349,8.975221,0.456756,9.695776,87.299866,112.071991

23.2027760,-3.712056,8.994796,0.435888,9.740417,87.435127,112.425415

23.2077389,-3.747012,9.060349,0.426580,9.813867,87.508736,112.468109

23.2127037,-3.711405,8.975508,0.350942,9.718921,87.930649,112.465271

23.2176647,-3.715648,8.960587,0.394746,9.708448,87.669708,112.522110

23.2226295,-3.688986,8.946662,0.422385,9.686578,87.500816,112.407875

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23.2325535,-3.768541,8.997947,0.588322,9.772976,86.548767,112.725021

23.2375164,-3.752068,9.049402,0.601519,9.814862,86.486336,112.519897

23.2424812,-3.779716,9.115712,0.614649,9.887379,86.435905,112.520729

23.2474442,-3.807126,9.096147,0.685182,9.884511,86.025139,112.711388

23.2524052,-3.747625,9.115578,0.715455,9.881818,85.848091,112.348694

23.2573700,-3.757661,9.081380,0.681361,9.851686,86.034149,112.478622

23.2623329,-3.768991,9.050542,0.695065,9.828567,85.944717,112.608704

23.2672958,-3.617859,9.114821,0.641943,9.827561,86.254738,111.649139

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23.2821884,-3.646168,9.048646,0.758359,9.785072,85.555031,111.947060

23.2871494,-3.664278,8.988829,0.643830,9.728334,86.205345,112.178169

23.2921124,-3.684226,9.037354,0.581829,9.776800,86.588242,112.179077

23.2970753,-3.690001,9.059199,0.657534,9.803956,86.154388,112.162094

23.3020382,-3.651531,9.001891,0.651922,9.736156,86.160667,112.079460

23.3070030,-3.764221,9.029348,0.673278,9.805702,86.062866,112.630638

23.3119659,-3.740548,8.993176,0.671583,9.763193,86.055664,112.583977

23.3169308,-3.684552,8.985123,0.772753,9.741945,85.450394,112.297188

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23.3268566,-3.649558,8.901681,0.749625,9.649929,85.544670,112.292908

23.3318195,-3.621278,8.862769,0.905535,9.616773,84.596909,112.224655

23.3367805,-3.534876,8.946059,0.916318,9.662658,84.558411,111.560570

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23.3913746,-3.616557,9.058990,0.616689,9.773693,86.382416,111.763016

23.3963394,-3.627761,9.016918,0.675117,9.742754,86.026550,111.916321

23.4013004,-3.527722,9.060177,0.644663,9.744086,86.206573,111.274231

23.4062653,-3.573452,9.018125,0.623670,9.720344,86.321297,111.616058

23.4112282,-3.469993,9.084731,0.620836,9.744672,86.347198,110.904800

23.4161930,-3.552373,9.045812,0.578420,9.735535,86.593864,111.440392

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23.4360428,-3.667984,9.065827,0.680097,9.803360,86.021973,112.027985

23.4410076,-3.685606,9.139089,0.615310,9.873462,86.427040,111.963203

23.4459705,-3.699549,9.073766,0.637949,9.819718,86.275093,112.181671

23.4509354,-3.743966,9.075566,0.671372,9.840424,86.087898,112.417740

23.4558964,-3.773243,9.097535,0.641196,9.869835,86.275146,112.526443

23.4608612,-3.735663,9.099623,0.562628,9.852658,86.726395,112.319595

23.4658241,-3.639474,9.040640,0.502476,9.758658,87.048523,111.928146

23.4707851,-3.556874,9.054526,0.564007,9.744430,86.681870,111.446304

23.4757500,-3.478612,9.166977,0.582145,9.822072,86.602142,110.780357

23.4807129,-3.490459,9.213587,0.619054,9.872017,86.404739,110.748604

23.4856777,-3.413279,9.149816,0.654163,9.787621,86.167740,110.457703

23.4906387,-3.388169,9.120673,0.782023,9.761041,85.404724,110.379143

23.4956017,-3.414026,9.096539,0.867659,9.754766,84.896957,110.571640

23.5005665,-3.419456,9.085517,0.875588,9.747100,84.846138,110.624504

23.5055275,-3.521468,9.057945,0.960793,9.765769,84.353889,111.244652

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23.5501976,-3.213708,9.003347,1.012881,9.613226,83.951904,109.643814

23.5551586,-3.143577,9.106825,0.958389,9.681676,84.318985,109.044121

23.5601234,-3.240466,9.081791,0.992167,9.693501,84.125267,109.636864

23.5650864,-3.307647,9.128823,0.961722,9.757092,84.343376,109.916977

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23.5899010,-3.479302,9.078555,0.918061,9.765681,84.605721,110.969032

23.5948639,-3.528153,9.035746,0.938470,9.745423,84.473938,111.328964

23.5998287,-3.590106,9.020088,1.009740,9.760657,84.062126,111.703163

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23.6395321,-3.681641,8.991951,0.793075,9.748775,85.333763,112.266022

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23.6494598,-3.637223,8.908566,0.937914,9.668073,84.432892,112.209396

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23.6593857,-3.672390,8.982854,0.781927,9.735991,85.393440,112.235832

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23.7139797,-3.787225,8.872030,0.671621,9.669905,86.017326,113.116302

23.7189445,-3.756694,8.824166,0.558155,9.606779,86.669228,113.060806

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24.2301502,-4.018390,9.240182,0.977476,10.123432,84.459129,113.503357

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24.6123123,-3.863111,9.116554,0.958820,9.947589,84.468834,112.964653

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24.6222382,-3.885828,9.103512,0.969000,9.945478,84.408730,113.115181

24.6272030,-3.675961,9.010013,0.975426,9.779799,84.275864,112.194786

24.6321659,-3.530700,8.918957,1.046927,9.649336,83.771301,111.596863

24.6371288,-3.352323,8.857866,1.014845,9.525217,83.883934,110.729507

24.6420918,-3.254879,8.860634,1.071597,9.500178,83.523392,110.170380

24.6470547,-3.111648,8.892477,1.072181,9.481987,83.507362,109.285919

24.6520195,-3.118649,8.944259,0.974009,9.522312,84.129112,109.222443

24.6569805,-3.236434,9.027308,0.969431,9.638806,84.227669,109.723564

24.6619453,-3.363882,9.041502,0.966606,9.695297,84.278191,110.407669

24.6669083,-3.507218,8.975259,0.981537,9.686034,84.183937,111.343826

24.6718731,-3.689206,8.967157,0.980569,9.745854,84.225471,112.362907

24.6768341,-3.849704,9.043550,1.000441,9.879621,84.188087,113.058723

24.6817970,-3.952530,9.082012,1.014778,9.956667,84.150291,113.518883

24.6867619,-3.908889,9.094662,1.001533,9.949641,84.222809,113.258049

24.6917229,-3.821644,9.176199,1.020303,9.992427,84.139450,112.610435

24.6966858,-3.755478,9.163941,0.903773,9.944759,84.785805,112.284325

24.7016506,-3.594358,9.192576,0.924057,9.913464,84.651566,111.355827

24.7066116,-3.506893,9.146990,0.995423,9.846653,84.197914,110.976479

24.7115765,-3.392038,9.076131,0.974057,9.738113,84.259377,110.492310

24.7165394,-3.345160,9.039740,0.958763,9.686393,84.319542,110.307014

24.7215042,-3.317789,9.008480,0.943009,9.646227,84.389839,110.218559

24.7264652,-3.353894,9.062474,0.861759,9.701530,84.903862,110.308800

24.7314301,-3.453349,9.018470,0.803686,9.690424,85.242653,110.952820

24.7363911,-3.454814,9.018613,0.923089,9.701712,84.540215,110.960640

24.7413540,-3.542901,8.971764,0.951571,9.692790,84.366028,111.548798

24.7463169,-3.582923,8.897629,0.999579,9.643873,84.050659,111.933800

24.7512817,-3.583746,8.882900,0.943210,9.624906,84.376167,111.971283

24.7562447,-3.619219,8.836969,1.054914,9.607477,83.696136,112.271767

24.7612076,-3.663933,8.853480,1.106361,9.645339,83.413437,112.481773

24.7661705,-3.641993,8.957513,0.943248,9.715496,84.428551,112.125931

24.7711353,-3.544300,9.014907,0.993287,9.737413,84.145226,111.462761

24.7760963,-3.477741,8.989509,1.024575,9.693074,83.932404,111.149788

24.7810612,-3.476256,8.975221,0.998181,9.676535,84.079132,111.172234

24.7860241,-3.532645,8.975690,1.086632,9.706872,83.572571,111.483566

24.7909889,-3.622743,9.026313,1.003151,9.777776,84.111374,111.868233

24.7959480,-3.733432,9.050772,0.963810,9.837881,84.377754,112.416084

24.8009148,-3.866396,9.161384,0.958217,9.989902,84.495811,112.881294

24.8058758,-3.977823,9.222168,0.894579,10.083241,84.910057,113.332115

24.8108387,-3.972115,9.236629,1.014040,10.105507,84.240944,113.269615

24.8158016,-3.872449,9.117072,0.989351,9.954681,84.296211,113.013214

24.8207664,-3.694818,8.986741,1.074365,9.775861,83.690468,112.349579

24.8257275,-3.488448,8.951872,1.053037,9.665100,83.745064,111.290329

24.8306923,-3.334117,8.887565,1.039840,9.549158,83.748474,110.563286

24.8356552,-3.302993,8.892831,1.090444,9.548888,83.442749,110.376099

24.8406200,-3.257024,8.827144,1.021453,9.464145,83.804070,110.252968

24.8455811,-3.294805,8.922711,0.992109,9.563200,84.045288,110.267197

24.8505459,-3.310108,8.888944,1.012747,9.539171,83.905579,110.424568

24.8555069,-3.296117,8.649580,1.313287,9.349029,81.924782,110.860466

24.8604717,-3.370710,8.488968,1.203374,9.212620,82.494446,111.656517

24.8654327,-3.346835,8.449970,0.804260,9.124152,84.943024,111.607361

24.8703995,-3.407840,8.784019,1.094734,9.485294,83.372505,111.204208

24.8753605,-3.638823,8.920049,0.945892,9.680032,84.392349,112.192390

24.8803234,-4.207465,9.256415,0.555723,10.182967,86.871597,114.443970

24.8852863,-4.820103,9.501122,0.531206,10.667093,87.145569,116.899559

24.8902512,-5.043826,9.270943,0.628832,10.572889,86.590271,118.548256

24.8952122,-5.998366,9.039472,0.436252,10.857383,87.697220,123.567253

24.9001770,-5.389664,8.834499,0.298825,10.353074,88.346016,121.386116

24.9051399,-4.179271,8.800166,0.802699,9.775149,85.289780,115.403427

24.9101048,-3.380354,8.818295,0.983327,9.495054,84.055672,110.973541

24.9150639,-2.427969,8.901958,1.004684,9.281664,83.785904,105.256096