Keuwl Accelerometer Data File

2024-04-30 16:55:49

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

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17.1357040,-0.333799,9.707084,-1.295115,9.798786,97.595062,91.969460

17.1381741,-0.312263,9.697512,-1.292722,9.788278,97.589134,91.844307

17.1406422,-0.309871,9.690333,-1.304687,9.782678,97.664200,91.831543

17.1431084,-0.321835,9.714262,-1.280758,9.803612,97.506660,91.897522

17.1455784,-0.319442,9.697512,-1.304687,9.790096,97.658363,91.886673

17.1480465,-0.321835,9.692726,-1.326222,9.788329,97.786964,91.901733

17.1505165,-0.319442,9.702297,-1.302294,9.794518,97.640762,91.885742

17.1529827,-0.314656,9.699904,-1.280758,9.789152,97.517815,91.857971

17.1554508,-0.293121,9.728619,-1.299901,9.819454,97.607155,91.725784

17.1579208,-0.283549,9.716655,-1.273580,9.803866,97.464157,91.671516

17.1603889,-0.312263,9.721440,-1.285544,9.811042,97.529137,91.839767

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17.1653252,-0.269193,9.704690,-1.287937,9.793480,97.556839,91.588882

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17.1702633,-0.269193,9.716655,-1.287937,9.805337,97.547646,91.586929

17.1727295,-0.247657,9.716655,-1.283151,9.804142,97.520363,91.460030

17.1751976,-0.230907,9.699904,-1.299901,9.789342,97.630692,91.363678

17.1776676,-0.223729,9.683155,-1.299901,9.772578,97.643860,91.323578

17.1801376,-0.216550,9.704690,-1.319044,9.796314,97.738205,91.278282

17.1826057,-0.218943,9.690333,-1.331008,9.783766,97.818901,91.294319

17.1850719,-0.230907,9.690333,-1.311865,9.781456,97.707596,91.365021

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17.1900101,-0.238086,9.680762,-1.331008,9.774734,97.826172,91.408829

17.1924782,-0.247657,9.678370,-1.326222,9.771952,97.800095,91.465805

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17.1974163,-0.233300,9.714262,-1.307079,9.804580,97.661087,91.375763

17.1998844,-0.257228,9.709476,-1.311865,9.801076,97.692070,91.517555

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17.2418461,-0.372084,9.678370,-1.328615,9.776221,97.810822,92.201645

17.2443161,-0.367298,9.699904,-1.307079,9.794463,97.669052,92.168533

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17.2936821,-0.355334,9.716655,-1.328615,9.813504,97.780960,92.094353

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18.1156635,-0.307478,9.735797,-1.261616,9.822014,97.379906,91.808922

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18.1206017,-0.264407,9.754940,-1.271187,9.840969,97.421806,91.552620

18.1230698,-0.283549,9.740582,-1.295115,9.830395,97.570496,91.667419

18.1255379,-0.288335,9.733404,-1.304687,9.824689,97.631233,91.696793

18.1280060,-0.297906,9.731011,-1.287937,9.820393,97.536003,91.753510

18.1304741,-0.285942,9.721440,-1.295115,9.811498,97.585167,91.684792

18.1329422,-0.283549,9.742975,-1.280758,9.830886,97.485718,91.667007

18.1354122,-0.309871,9.747761,-1.275973,9.835800,97.453842,91.820755

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18.1403484,-0.319442,9.704690,-1.223331,9.786705,97.180710,91.885277

18.1428165,-0.336192,9.711869,-1.228116,9.794983,97.202827,91.982590

18.1452866,-0.338584,9.707084,-1.216152,9.788827,97.136803,91.997673

18.1477528,-0.345763,9.692726,-1.213759,9.774544,97.133148,92.043015

18.1502209,-0.362513,9.690333,-1.199402,9.771006,97.050903,92.142418

18.1526890,-0.379262,9.654441,-1.204188,9.736639,97.104301,92.249634

18.1551590,-0.374477,9.678370,-1.223331,9.762562,97.198563,92.215790

18.1576271,-0.372084,9.695119,-1.220938,9.778776,97.172432,92.197845

18.1600952,-0.376870,9.692726,-1.225723,9.777185,97.201874,92.226639

18.1625633,-0.376870,9.685548,-1.216152,9.768873,97.151451,92.228287

18.1650333,-0.352941,9.683155,-1.225723,9.766804,97.209572,92.087448

18.1674995,-0.372084,9.690333,-1.247259,9.777354,97.328972,92.198929

18.1699677,-0.355334,9.685548,-1.242473,9.771379,97.305183,92.101074

18.1724358,-0.355334,9.697512,-1.244866,9.783542,97.310181,92.098480

18.1749058,-0.360120,9.699904,-1.256830,9.787617,97.377739,92.126190

18.1773739,-0.338584,9.723833,-1.223331,9.806330,97.166267,91.994240

18.1798420,-0.350549,9.721440,-1.225723,9.804677,97.181572,92.065155

18.1823120,-0.369691,9.716655,-1.235295,9.801837,97.240059,92.178894

18.1847801,-0.360120,9.726226,-1.249652,9.812787,97.316444,92.120445

18.1872482,-0.338584,9.711869,-1.218545,9.793870,97.147217,91.996689

18.1897144,-0.321835,9.709476,-1.197010,9.788276,97.024292,91.898453

18.1921844,-0.305085,9.714262,-1.213759,9.794549,97.118500,91.798836

18.1946526,-0.307478,9.692726,-1.220938,9.774158,97.175842,91.816956

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18.2094631,-0.295514,9.719048,-1.149153,9.791208,96.740097,91.741577

18.2119312,-0.276371,9.707084,-1.122832,9.775715,96.595512,91.630829

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18.2193375,-0.230907,9.692726,-1.163510,9.765040,96.843079,91.364685

18.2218056,-0.216550,9.690333,-1.182653,9.764636,96.956505,91.280182

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18.2267437,-0.204586,9.683155,-1.208974,9.760480,97.115166,91.210365

18.2292099,-0.199801,9.687941,-1.211366,9.765425,97.125694,91.181480

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18.2341480,-0.168694,9.699904,-1.218545,9.777599,97.159172,90.996346

18.2366161,-0.166301,9.699904,-1.218545,9.777558,97.159203,90.982216

18.2390842,-0.178265,9.728619,-1.223331,9.806851,97.165886,91.049759

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18.2588310,-0.228515,9.704690,-1.256830,9.788404,97.377136,91.348885

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18.3699112,-0.381655,9.685548,-1.283151,9.777626,97.540871,92.256554

18.3723774,-0.398405,9.702297,-1.256830,9.791472,97.374817,92.351410

18.3748474,-0.396012,9.704690,-1.259223,9.794053,97.386978,92.336731

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18.3822536,-0.429512,9.707084,-1.268794,9.799071,97.439606,92.533531

18.3847218,-0.412762,9.716655,-1.252044,9.805680,97.335876,92.432449

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18.3896580,-0.412762,9.714262,-1.247259,9.802699,97.309914,92.433052

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18.3945942,-0.400798,9.695119,-1.228116,9.780809,97.213318,92.367271

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18.4439640,-0.410369,9.664013,-1.314258,9.761600,97.737541,92.431526

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18.6044083,-0.250050,9.731011,-1.249652,9.814109,97.315453,91.471962

18.6068783,-0.226122,9.726226,-1.237687,9.807266,97.250122,91.331810

18.6093464,-0.226122,9.728619,-1.235295,9.809338,97.234497,91.331482

18.6118145,-0.233300,9.731011,-1.240080,9.812482,97.260330,91.373398

18.6142826,-0.233300,9.747761,-1.211366,9.825511,97.081894,91.371040

18.6167507,-0.233300,9.709476,-1.218545,9.788423,97.151215,91.376442

18.6192188,-0.223729,9.699904,-1.218545,9.778704,97.158356,91.321297

18.6216888,-0.233300,9.690333,-1.232902,9.771235,97.248711,91.379158

18.6241550,-0.216550,9.707084,-1.220938,9.785962,97.167137,91.277969

18.6266251,-0.218943,9.692726,-1.232902,9.773276,97.247192,91.293999

18.6290932,-0.240479,9.704690,-1.230509,9.785346,97.224083,91.419479

18.6315632,-0.223729,9.695119,-1.213759,9.773362,97.134018,91.321945

18.6340313,-0.216550,9.675977,-1.220938,9.755107,97.189926,91.282082

18.6364975,-0.238086,9.678370,-1.218545,9.757683,97.173859,91.409180

18.6389675,-0.223729,9.685548,-1.235295,9.766568,97.266342,91.323257

18.6414356,-0.238086,9.699904,-1.228116,9.780240,97.213745,91.406052

18.6439037,-0.230907,9.687941,-1.249652,9.770934,97.347961,91.365356

18.6463718,-0.238086,9.707084,-1.240080,9.788869,97.277939,91.405014

18.6488419,-0.235693,9.690333,-1.252044,9.773726,97.359993,91.393303

18.6513100,-0.254836,9.704690,-1.256830,9.789054,97.376648,91.504189

18.6537781,-0.240479,9.675977,-1.283151,9.763649,97.551727,91.423691

18.6562462,-0.254836,9.683155,-1.292722,9.772388,97.601547,91.507530

18.6587143,-0.259621,9.702297,-1.278365,9.789597,97.503342,91.532799

18.6611824,-0.250050,9.702297,-1.290330,9.790916,97.572952,91.476311

18.6636505,-0.273978,9.707084,-1.299901,9.797565,97.624252,91.616722

18.6661186,-0.281157,9.699904,-1.297508,9.790338,97.615784,91.660286

18.6685886,-0.276371,9.704690,-1.326222,9.798788,97.778603,91.631233

18.6710567,-0.305085,9.711869,-1.328615,9.807075,97.786095,91.799278

18.6735249,-0.314656,9.719048,-1.302294,9.810956,97.627884,91.854317

18.6759930,-0.326620,9.721440,-1.311865,9.814992,97.681099,91.924294

18.6784611,-0.329013,9.719048,-1.297508,9.810793,97.599815,91.938858

18.6809292,-0.345763,9.711869,-1.292722,9.803626,97.577187,92.038986

18.6833973,-0.324227,9.723833,-1.290330,9.814428,97.554703,91.909737

18.6858654,-0.324227,9.697512,-1.266401,9.785225,97.436066,91.914917

18.6883354,-0.324227,9.702297,-1.275973,9.791210,97.487976,91.913979

18.6908035,-0.319442,9.699904,-1.302294,9.792148,97.642624,91.886208

18.6932716,-0.360120,9.709476,-1.268794,9.798646,97.439934,92.124100

18.6957417,-0.350549,9.707084,-1.273580,9.796549,97.469757,92.068207

18.6982079,-0.350549,9.697512,-1.271187,9.786753,97.463150,92.070244

18.7006779,-0.374477,9.685548,-1.254437,9.773623,97.374214,92.214149

18.7031441,-0.350549,9.685548,-1.273580,9.775210,97.486160,92.072800

18.7056141,-0.352941,9.704690,-1.290330,9.796454,97.568649,92.082825

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18.7105522,-0.360120,9.704690,-1.275973,9.794835,97.485191,92.125145

18.7130203,-0.360120,9.690333,-1.311865,9.785358,97.704506,92.128288

18.7154884,-0.372084,9.704690,-1.299901,9.798429,97.623573,92.195679

18.7179546,-0.362513,9.714262,-1.309472,9.808824,97.671860,92.137146

18.7204247,-0.393619,9.714262,-1.311865,9.810343,97.684761,92.320343

18.7228928,-0.388834,9.721440,-1.302294,9.815985,97.623947,92.290466

18.7253609,-0.393619,9.704690,-1.283151,9.797062,97.525826,92.322624

18.7278309,-0.398405,9.702297,-1.280758,9.794572,97.513634,92.351410

18.7302990,-0.379262,9.711869,-1.268794,9.801739,97.437569,92.236343

18.7327671,-0.419940,9.721440,-1.273580,9.813499,97.456787,92.473488

18.7352352,-0.417548,9.721440,-1.295115,9.816215,97.581497,92.459412

18.7377052,-0.388834,9.721440,-1.292722,9.814720,97.568565,92.290466

18.7401714,-0.412762,9.704690,-1.314258,9.801971,97.705482,92.435448

18.7426395,-0.388834,9.695119,-1.342972,9.795412,97.880196,92.296684

18.7451077,-0.407976,9.699904,-1.347757,9.801583,97.903442,92.408432

18.7475777,-0.410369,9.709476,-1.357329,9.812475,97.951042,92.420151

18.7500458,-0.407976,9.695119,-1.354936,9.797838,97.948868,92.409615

18.7525139,-0.431904,9.697512,-1.371686,9.803560,98.043045,92.550133

18.7549820,-0.419940,9.704690,-1.366900,9.809474,98.009941,92.477753

18.7574520,-0.419940,9.707084,-1.359721,9.810844,97.966476,92.477142

18.7599182,-0.424726,9.704690,-1.342972,9.806374,97.871330,92.505951

18.7623863,-0.391227,9.695119,-1.326222,9.793225,97.783043,92.310799

18.7648544,-0.400798,9.690333,-1.316651,9.787582,97.731010,92.368439

18.7673244,-0.360120,9.699904,-1.299901,9.793242,97.627640,92.126190

18.7697926,-0.384048,9.690333,-1.280758,9.782146,97.523232,92.269562

18.7722607,-0.398405,9.690333,-1.266401,9.780851,97.439407,92.354309

18.7747307,-0.400798,9.683155,-1.273580,9.774771,97.486496,92.370193

18.7771988,-0.376870,9.680762,-1.244866,9.767747,97.322067,92.229385

18.7796650,-0.367298,9.659226,-1.254437,9.747265,97.394264,92.177658

18.7821331,-0.393619,9.673584,-1.252044,9.762212,97.368721,92.330086

18.7846031,-0.407976,9.664013,-1.230509,9.750576,97.249977,92.417366

18.7870712,-0.400798,9.666406,-1.240080,9.753862,97.304199,92.374290

18.7895412,-0.398405,9.659226,-1.254437,9.748487,97.393333,92.361885

18.7920074,-0.398405,9.683155,-1.240080,9.770364,97.291801,92.356056

18.7944775,-0.391227,9.695119,-1.228116,9.780422,97.213608,92.310799

18.7969456,-0.374477,9.690333,-1.218545,9.773825,97.161949,92.213058

18.7994156,-0.379262,9.704690,-1.223331,9.788839,97.179138,92.237999

18.8018818,-0.381655,9.704690,-1.223331,9.788933,97.179070,92.252106

18.8043499,-0.362513,9.709476,-1.199402,9.789990,97.037163,92.138199

18.8068199,-0.374477,9.704690,-1.254437,9.792592,97.359848,92.209785

18.8092880,-0.336192,9.702297,-1.225723,9.785192,97.195946,91.984543

18.8117561,-0.360120,9.709476,-1.223331,9.792862,97.176170,92.124100

18.8142242,-0.348156,9.711869,-1.218545,9.794206,97.146965,92.053085

18.8166943,-0.321835,9.704690,-1.216152,9.785889,97.138954,91.899391

18.8191624,-0.333799,9.707084,-1.197010,9.786303,97.025711,91.969460

18.8216286,-0.307478,9.699904,-1.197010,9.778318,97.031479,91.815613

18.8240967,-0.278764,9.716655,-1.225723,9.797626,97.186768,91.643326

18.8265667,-0.293121,9.709476,-1.194617,9.787082,97.011040,91.729187

18.8290348,-0.309871,9.704690,-1.204188,9.784022,97.069717,91.828835

18.8315029,-0.295514,9.699904,-1.201795,9.778537,97.059578,91.745010

18.8339710,-0.290728,9.699904,-1.206581,9.778983,97.087509,91.716766

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18.8389091,-0.281157,9.707084,-1.218545,9.787307,97.152031,91.659058

18.8413754,-0.273978,9.695119,-1.218545,9.775237,97.160912,91.618713

18.8438435,-0.266800,9.699904,-1.254437,9.784321,97.366104,91.575546

18.8463135,-0.245264,9.704690,-1.225723,9.784863,97.196190,91.447716

18.8487816,-0.257228,9.733404,-1.244866,9.816059,97.285835,91.513824

18.8512497,-0.238086,9.721440,-1.225723,9.801300,97.184059,91.402939

18.8537178,-0.238086,9.721440,-1.242473,9.803409,97.281189,91.402939

18.8561878,-0.247657,9.709476,-1.244866,9.792087,97.303764,91.461113

18.8586559,-0.281157,9.735797,-1.249652,9.819695,97.311272,91.654167

18.8611221,-0.273978,9.728619,-1.254437,9.812986,97.344467,91.613144

18.8635921,-0.264407,9.707084,-1.261616,9.792295,97.402428,91.560265

18.8660603,-0.290728,9.697512,-1.254437,9.782631,97.367386,91.717194

18.8685284,-0.283549,9.692726,-1.268794,9.779529,97.454559,91.675644

18.8709965,-0.317049,9.709476,-1.287937,9.799655,97.552048,91.870247

18.8734665,-0.317049,9.707084,-1.290330,9.797599,97.567757,91.870705

18.8759346,-0.329013,9.697512,-1.299901,9.789777,97.630356,91.943161

18.8784046,-0.314656,9.690333,-1.297508,9.781876,97.622414,91.859802

18.8808708,-0.324227,9.702297,-1.302294,9.794676,97.640633,91.913979

18.8833389,-0.345763,9.707084,-1.304687,9.800471,97.650208,92.039993

18.8858070,-0.364905,9.709476,-1.292722,9.801950,97.578484,92.152298

18.8882771,-0.376870,9.695119,-1.278365,9.786295,97.505890,92.226089

18.8907452,-0.374477,9.697512,-1.273580,9.787951,97.476357,92.211418

18.8932133,-0.393619,9.707084,-1.259223,9.796329,97.385246,92.322052

18.8956833,-0.379262,9.716655,-1.275973,9.807412,97.475540,92.235245

18.8981514,-0.367298,9.707084,-1.237687,9.792561,97.261070,92.166931

18.9006195,-0.381655,9.709476,-1.259223,9.798226,97.383812,92.250992

18.9030857,-0.352941,9.709476,-1.247259,9.795619,97.315231,92.081795

18.9055557,-0.338584,9.697512,-1.242473,9.782643,97.296722,91.999641

18.9080238,-0.348156,9.699904,-1.244866,9.785655,97.308594,92.055618

18.9104919,-0.352941,9.711869,-1.240080,9.797079,97.271805,92.081284

18.9129601,-0.340977,9.709476,-1.228116,9.792776,97.204460,92.011284

18.9154301,-0.333799,9.699904,-1.228116,9.783038,97.211670,91.970917

18.9178982,-0.312263,9.680762,-1.237687,9.764555,97.282005,91.847496

18.9203663,-0.314656,9.683155,-1.206581,9.763111,97.099091,91.861183

18.9228325,-0.321835,9.683155,-1.192224,9.761580,97.015297,91.903610

18.9253025,-0.317049,9.697512,-1.194617,9.775958,97.019058,91.872551

18.9277706,-0.312263,9.697512,-1.187438,9.774930,96.977409,91.844307

18.9302387,-0.314656,9.699904,-1.218545,9.781206,97.156517,91.857971

18.9327068,-0.314656,9.678370,-1.225723,9.760750,97.214066,91.862106

18.9351768,-0.300299,9.697512,-1.242473,9.781393,97.297661,91.773689

18.9376450,-0.305085,9.711869,-1.225723,9.793665,97.189690,91.799278

18.9401131,-0.290728,9.702297,-1.252044,9.787068,97.349899,91.716347

18.9425793,-0.314656,9.711869,-1.266401,9.799142,97.425446,91.855682

18.9450493,-0.305085,9.707084,-1.259223,9.793171,97.387642,91.800163

18.9475174,-0.302692,9.731011,-1.244866,9.814983,97.286636,91.781662

18.9499855,-0.300299,9.716655,-1.261616,9.802818,97.394432,91.770195

18.9524555,-0.324227,9.731011,-1.271187,9.819044,97.438469,91.908333

18.9549236,-0.312263,9.719048,-1.273580,9.807110,97.461670,91.840225

18.9573936,-0.302692,9.699904,-1.273580,9.787838,97.476448,91.787376

18.9598598,-0.307478,9.683155,-1.283151,9.772641,97.544739,91.818748

18.9623299,-0.326620,9.695119,-1.280758,9.784802,97.521179,91.929520

18.9647961,-0.317049,9.697512,-1.302294,9.789700,97.644547,91.872551

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18.9796085,-0.343370,9.680762,-1.261616,9.768661,97.420433,92.031387

18.9820766,-0.350549,9.695119,-1.266401,9.783762,97.437180,92.070755

18.9845467,-0.350549,9.690333,-1.297508,9.783096,97.621452,92.071777

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18.9894810,-0.386441,9.697512,-1.275973,9.788727,97.489891,92.281998

18.9919491,-0.379262,9.697512,-1.304687,9.792231,97.656685,92.239655

18.9944191,-0.364905,9.683155,-1.302294,9.777147,97.654419,92.158142

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19.0018234,-0.362513,9.702297,-1.287937,9.794120,97.556335,92.139778

19.0042934,-0.374477,9.699904,-1.264009,9.789081,97.418991,92.210876

19.0067596,-0.381655,9.714262,-1.285544,9.806384,97.532730,92.249886

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19.0116959,-0.398405,9.707084,-1.254437,9.795908,97.357346,92.350258

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19.0166340,-0.410369,9.714262,-1.273580,9.805983,97.462532,92.418961

19.0191021,-0.374477,9.709476,-1.271187,9.799494,97.453392,92.208702

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19.0240402,-0.372084,9.711869,-1.261616,9.800537,97.396164,92.194061

19.0265064,-0.384048,9.697512,-1.254437,9.785849,97.364952,92.267883

19.0289745,-0.403191,9.690333,-1.247259,9.778587,97.328041,92.382561

19.0314426,-0.405583,9.709476,-1.273580,9.801043,97.466316,92.391960

19.0339127,-0.403191,9.702297,-1.264009,9.792592,97.416321,92.379623

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19.0388489,-0.422333,9.711869,-1.264009,9.802881,97.408493,92.490013

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19.0511913,-0.367298,9.709476,-1.290330,9.801723,97.564552,92.166397

19.0536594,-0.352941,9.683155,-1.283151,9.774177,97.543549,92.087448

19.0561295,-0.391227,9.690333,-1.287937,9.783374,97.564690,92.311935

19.0585976,-0.372084,9.695119,-1.297508,9.788631,97.617119,92.197845

19.0610657,-0.364905,9.709476,-1.295115,9.802265,97.592354,92.152298

19.0635357,-0.345763,9.716655,-1.264009,9.804625,97.407166,92.037987

19.0660038,-0.355334,9.723833,-1.275973,9.813628,97.470779,92.092804

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19.0734081,-0.343370,9.687941,-1.261616,9.775775,97.415009,92.029884

19.0758762,-0.331406,9.716655,-1.266401,9.804438,97.421410,91.953430

19.0783443,-0.345763,9.704690,-1.280758,9.794943,97.513344,92.040497

19.0808125,-0.338584,9.685548,-1.259223,9.772927,97.403030,92.002113

19.0832825,-0.326620,9.697512,-1.256830,9.784070,97.380424,91.929039

19.0857506,-0.317049,9.699904,-1.283151,9.789542,97.531639,91.872093

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19.0906849,-0.331406,9.695119,-1.302294,9.787806,97.646034,91.957764

19.0931549,-0.319442,9.690333,-1.268794,9.778264,97.455528,91.888069

19.0956230,-0.314656,9.690333,-1.290330,9.780926,97.580734,91.859802

19.0980911,-0.317049,9.699904,-1.280758,9.789228,97.517754,91.872093

19.1005592,-0.319442,9.692726,-1.273580,9.781257,97.481506,91.887604

19.1030293,-0.309871,9.707084,-1.259223,9.793321,97.387527,91.828384

19.1054974,-0.295514,9.702297,-1.256830,9.787826,97.377579,91.744583

19.1079636,-0.300299,9.716655,-1.249652,9.801286,97.325081,91.770195

19.1104317,-0.305085,9.721440,-1.247259,9.805873,97.307533,91.797508

19.1129017,-0.285942,9.697512,-1.271187,9.784652,97.464760,91.688942

19.1153698,-0.305085,9.702297,-1.256830,9.788119,97.377357,91.801048

19.1178379,-0.305085,9.704690,-1.244866,9.788962,97.306107,91.800606

19.1203079,-0.285942,9.714262,-1.237687,9.796965,97.257790,91.686035

19.1227760,-0.297906,9.699904,-1.223331,9.781280,97.184715,91.759132

19.1252441,-0.312263,9.719048,-1.252044,9.804337,97.336884,91.840225

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19.1301804,-0.336192,9.728619,-1.244866,9.813702,97.287590,91.979179

19.1326485,-0.314656,9.728619,-1.230509,9.811176,97.204956,91.852493

19.1351185,-0.300299,9.714262,-1.247259,9.798609,97.312981,91.770638

19.1375847,-0.307478,9.716655,-1.230509,9.799086,97.213898,91.812485

19.1400547,-0.331406,9.714262,-1.247259,9.799611,97.312233,91.953911

19.1425228,-0.331406,9.733404,-1.232902,9.816773,97.214905,91.950073

19.1449928,-0.326620,9.711869,-1.228116,9.794660,97.203064,91.926193

19.1474609,-0.329013,9.719048,-1.244866,9.803969,97.294868,91.938858

19.1499271,-0.326620,9.719048,-1.244866,9.803890,97.294922,91.924767

19.1523972,-0.343370,9.716655,-1.223331,9.799378,97.171379,92.023895

19.1548653,-0.324227,9.726226,-1.230509,9.809115,97.206482,91.909271

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19.1622715,-0.326620,9.707084,-1.235295,9.790817,97.248253,91.927139

19.1647396,-0.367298,9.711869,-1.244866,9.798214,97.299171,92.165871

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19.1721439,-0.348156,9.702297,-1.252044,9.788943,97.348488,92.055115

19.1746120,-0.372084,9.702297,-1.268794,9.791979,97.445023,92.196220

19.1770802,-0.360120,9.695119,-1.271187,9.784729,97.464706,92.127243

19.1795483,-0.381655,9.699904,-1.268794,9.789977,97.446556,92.253212

19.1820183,-0.391227,9.697512,-1.259223,9.786748,97.392517,92.310226

19.1844864,-0.369691,9.685548,-1.273580,9.775915,97.485619,92.185883

19.1869545,-0.376870,9.690333,-1.264009,9.779688,97.426163,92.227188

19.1894207,-0.384048,9.707084,-1.280758,9.798740,97.510414,92.265648

19.1918907,-0.357727,9.695119,-1.261616,9.783403,97.409195,92.113121

19.1943588,-0.369691,9.683155,-1.259223,9.771684,97.403976,92.186424

19.1968269,-0.374477,9.692726,-1.266401,9.782277,97.438316,92.212509

19.1992950,-0.372084,9.697512,-1.256830,9.785693,97.379196,92.197304

19.2017651,-0.384048,9.707084,-1.271187,9.797493,97.454926,92.265648

19.2042332,-0.367298,9.704690,-1.271187,9.794479,97.457230,92.167465

19.2067013,-0.369691,9.719048,-1.273580,9.809106,97.460144,92.178352

19.2091713,-0.379262,9.702297,-1.268794,9.792254,97.444817,92.238548

19.2116375,-0.384048,9.699904,-1.297508,9.793833,97.613052,92.267326

19.2141075,-0.364905,9.695119,-1.275973,9.785530,97.492348,92.155487

19.2165737,-0.355334,9.697512,-1.278365,9.787860,97.504684,92.098480

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19.2215118,-0.364905,9.714262,-1.283151,9.805433,97.519363,92.151237

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19.2289181,-0.338584,9.692726,-1.271187,9.781590,97.467117,92.000633

19.2313843,-0.307478,9.726226,-1.242473,9.810084,97.276207,91.810707

19.2338543,-0.302692,9.728619,-1.235295,9.811401,97.232964,91.782104

19.2363224,-0.297906,9.714262,-1.232902,9.796718,97.229759,91.756531

19.2387905,-0.276371,9.726226,-1.223331,9.806752,97.165955,91.627625

19.2412605,-0.293121,9.723833,-1.201795,9.802202,97.042450,91.726631

19.2437286,-0.285942,9.709476,-1.216152,9.789521,97.136292,91.686859

19.2461967,-0.252443,9.728619,-1.211366,9.806995,97.095337,91.486404

19.2486649,-0.278764,9.711869,-1.216152,9.791687,97.134705,91.644135

19.2511349,-0.276371,9.709476,-1.225723,9.790440,97.192070,91.630432

19.2536011,-0.235693,9.711869,-1.213759,9.790258,97.121635,91.390213

19.2560692,-0.252443,9.726226,-1.218545,9.805511,97.138687,91.486771

19.2585373,-0.252443,9.697512,-1.247259,9.780650,97.326485,91.491173

19.2610073,-0.262014,9.702297,-1.211366,9.781137,97.114189,91.546921

19.2634754,-0.266800,9.690333,-1.264009,9.776066,97.428925,91.577103

19.2659435,-0.281157,9.704690,-1.266401,9.791008,97.431648,91.659462

19.2684116,-0.254836,9.699904,-1.264009,9.785233,97.421928,91.504929

19.2708817,-0.266800,9.714262,-1.259223,9.799169,97.383095,91.573219

19.2733479,-0.293121,9.709476,-1.295115,9.799856,97.594231,91.729187

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19.2856903,-0.288335,9.659226,-1.268794,9.746468,97.479988,91.709816

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19.2955627,-0.321835,9.678370,-1.261616,9.765556,97.422806,91.904556

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19.3153114,-0.269193,9.721440,-1.240080,9.803910,97.266716,91.586151

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19.3301239,-0.264407,9.597013,-1.235295,9.679800,97.331833,91.578156

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19.3350582,-0.271585,9.589835,-1.275973,9.678161,97.575958,91.622192

19.3375263,-0.285942,9.611370,-1.297508,9.702769,97.684929,91.704071

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19.3424644,-0.333799,9.659226,-1.285544,9.750113,97.576462,91.979210

19.3449326,-0.333799,9.644870,-1.266401,9.733381,97.475899,91.982155

19.3474007,-0.343370,9.673584,-1.319044,9.769135,97.759865,92.032898

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19.3646793,-0.372084,9.769297,-1.206581,9.850555,97.035751,92.181175

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19.3720856,-0.429512,9.790833,-1.237687,9.878095,97.197861,92.511887

19.3745518,-0.431904,9.759726,-1.240080,9.847669,97.234253,92.533897

19.3770218,-0.458226,9.750154,-1.242473,9.839676,97.254204,92.690735

19.3794899,-0.431904,9.714262,-1.220938,9.800210,97.156662,92.545746

19.3819599,-0.453440,9.704690,-1.223331,9.791994,97.176811,92.675133

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19.3868961,-0.439083,9.690333,-1.242473,9.779524,97.299065,92.594383

19.3893642,-0.443869,9.668798,-1.254437,9.759933,97.384613,92.628448

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19.4115810,-0.417548,9.733404,-1.194617,9.815326,96.990761,92.456390

19.4140491,-0.410369,9.742975,-1.199402,9.825097,97.011894,92.411842

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19.4239216,-0.396012,9.745368,-1.208974,9.828053,97.065994,92.326988

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19.5868378,-0.329013,9.685548,-1.228116,9.768641,97.222351,91.945557

19.5893059,-0.338584,9.704690,-1.249652,9.790673,97.333061,91.998169

19.5917740,-0.312263,9.702297,-1.249652,9.787426,97.335510,91.843399

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19.5967121,-0.317049,9.711869,-1.244866,9.796459,97.300491,91.869789

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19.6016464,-0.321835,9.723833,-1.247259,9.808780,97.305359,91.895653

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19.6065845,-0.319442,9.745368,-1.232902,9.828239,97.206444,91.877419

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19.6115208,-0.293121,9.726226,-1.232902,9.808437,97.221069,91.726212

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19.6189251,-0.314656,9.731011,-1.228116,9.813249,97.189346,91.852036

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19.6287994,-0.326620,9.687941,-1.228116,9.770934,97.220650,91.930946

19.6312675,-0.357727,9.707084,-1.240080,9.792509,97.275223,92.110519

19.6337376,-0.362513,9.690333,-1.232902,9.775174,97.245773,92.142418

19.6362057,-0.348156,9.702297,-1.232902,9.786513,97.237335,92.055115

19.6386738,-0.360120,9.697512,-1.220938,9.780701,97.171013,92.126717

19.6411400,-0.338584,9.690333,-1.211366,9.771623,97.121147,92.001122

19.6436100,-0.367298,9.697512,-1.194617,9.777718,97.017784,92.169067

19.6460781,-0.364905,9.697512,-1.199402,9.778214,97.045685,92.154953

19.6485481,-0.376870,9.728619,-1.206581,9.810397,97.064697,92.218430

19.6510143,-0.384048,9.721440,-1.216152,9.804740,97.125153,92.262306

19.6534843,-0.369691,9.711869,-1.201795,9.792926,97.049149,92.179962

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19.6608887,-0.403191,9.709476,-1.197010,9.791288,97.022118,92.377869

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19.6831036,-0.369691,9.716655,-1.177867,9.794765,96.906807,92.178894

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19.7225990,-0.324227,9.719048,-1.247259,9.804114,97.308853,91.910683

19.7250671,-0.307478,9.728619,-1.240080,9.812154,97.260574,91.810257

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19.7374115,-0.283549,9.707084,-1.211366,9.786485,97.110283,91.673164

19.7398777,-0.297906,9.683155,-1.204188,9.762290,97.085533,91.762177

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19.7620926,-0.357727,9.668798,-1.273580,9.758875,97.498764,92.118866

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19.7719669,-0.350549,9.671191,-1.266401,9.760051,97.455353,92.075874

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20.0731144,-0.443869,9.685548,-1.211366,9.771093,97.121536,92.623909

20.0755806,-0.448654,9.709476,-1.201795,9.793852,97.048485,92.645638

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20.1052036,-0.482154,9.733404,-1.213759,9.820634,97.099495,92.835884

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20.1101418,-0.484547,9.723833,-1.216152,9.811562,97.120178,92.852737

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20.1397610,-0.441476,9.716655,-1.151546,9.794608,96.751846,92.601440

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20.1521015,-0.439083,9.704690,-1.163510,9.784046,96.829727,92.590546

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20.1866608,-0.372084,9.723833,-1.197010,9.804296,97.012756,92.191360

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20.6186333,-0.288335,9.611370,-1.252044,9.696864,97.418655,91.718323

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20.6433163,-0.398405,9.692726,-1.204188,9.775364,97.076012,92.353729

20.6457844,-0.381655,9.709476,-1.206581,9.791600,97.078331,92.250992

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20.6507206,-0.391227,9.778868,-1.225723,9.863149,97.138779,92.291031

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20.6877480,-0.453440,9.714262,-1.063011,9.782764,96.238174,92.672501

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20.7124329,-0.446261,9.783653,-1.189831,9.865836,96.926796,92.611618

20.7149010,-0.448654,9.771689,-1.173081,9.852073,96.838402,92.628815

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20.7198372,-0.412762,9.774082,-1.180260,9.853734,96.879288,92.418175

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20.7321796,-0.314656,9.714262,-1.125225,9.784274,96.603821,91.855225

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