Keuwl Accelerometer Data File

2024-04-22 16:11:27

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

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18.7458572,-1.686983,9.582811,0.129316,9.731029,89.238571,99.984200

18.7508221,-1.608540,9.640962,-0.019680,9.774248,90.115364,99.472229

18.7557850,-1.573795,9.646842,-0.037934,9.774448,90.222359,99.265663

18.7607479,-1.445657,9.652905,-0.004654,9.760559,90.027321,98.517540

18.7657108,-1.451576,9.620592,-0.055967,9.729646,90.329582,98.580193

18.7706738,-1.553205,9.632908,0.007192,9.757326,89.957764,99.159508

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18.7805996,-1.622426,9.588281,-0.189458,9.726422,91.116119,99.604004

18.7855644,-1.594883,9.655844,-0.154790,9.787897,90.906136,99.379028

18.7905273,-1.518527,9.677784,-0.156188,9.797440,90.913429,98.917488

18.7954884,-1.503396,9.716006,-0.072257,9.831897,90.421082,98.795845

18.8004532,-1.430152,9.737343,-0.152233,9.842985,90.886177,98.355461

18.8054161,-1.491214,9.708047,-0.249524,9.825078,91.455276,98.732719

18.8103790,-1.535200,9.783886,-0.352513,9.909871,92.038551,98.917633

18.8153419,-1.566938,9.778169,-0.378849,9.910166,92.190857,99.104164

18.8203049,-1.616680,9.780477,-0.356296,9.919593,92.058411,99.385933

18.8252678,-1.633334,9.744699,-0.327048,9.886045,91.895790,99.515045

18.8302307,-1.592795,9.719338,-0.205269,9.851126,91.193970,99.306847

18.8351955,-1.556250,9.694390,-0.165889,9.819910,90.967957,99.119942

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18.8451214,-1.459055,9.635062,-0.176434,9.746507,91.037239,98.610985

18.8500843,-1.468804,9.596181,-0.086277,9.708323,90.509193,98.702232

18.8550472,-1.473985,9.575352,-0.137092,9.689107,90.810707,98.751160

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18.8699379,-1.568202,9.493843,-0.039227,9.622570,90.233566,99.379478

18.8749008,-1.522214,9.503899,-0.086488,9.625420,90.514832,99.099625

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18.8897896,-1.387564,9.681376,-0.108649,9.780909,90.636467,98.156265

18.8947525,-1.392535,9.643116,-0.185599,9.744911,91.091301,98.217117

18.8997154,-1.409917,9.787516,-0.121664,9.889294,90.704903,98.197212

18.9046803,-1.502658,9.832709,0.000804,9.946867,89.995369,98.688850

18.9096413,-1.647421,9.814647,0.113983,9.952601,89.343803,99.528465

18.9146061,-1.724208,9.864781,0.119672,10.015045,89.315346,99.914253

18.9195690,-1.853725,9.817395,0.145002,9.991925,89.168495,100.692726

18.9245319,-1.974201,9.747925,0.159349,9.947105,89.082108,101.448990

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18.9543114,-1.472549,9.686184,0.102539,9.798014,89.400375,98.644241

18.9592743,-1.105681,9.664875,0.075446,9.728208,89.555641,96.526375

18.9642372,-1.175678,9.692025,0.121951,9.763833,89.284355,96.916389

18.9692001,-1.282832,9.613601,0.054013,9.698963,89.680923,97.600609

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18.9791260,-1.591321,9.724673,-0.067153,9.854241,90.390450,99.293365

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18.9890537,-1.650601,9.637322,-0.173953,9.779199,91.019234,99.718849

18.9940166,-1.558146,9.594438,-0.179556,9.721795,91.058281,99.224358

18.9989796,-1.549135,9.585215,-0.219826,9.712079,91.296959,99.180595

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19.0138683,-1.515568,9.732018,-0.224883,9.851888,91.307968,98.851578

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19.0734272,-1.832742,9.450891,0.095366,9.627428,89.432442,100.974731

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19.0883160,-1.865581,9.441697,-0.001571,9.624242,90.009354,101.177078

19.0932789,-1.863024,9.476375,-0.134822,9.658711,90.799797,101.122314

19.0982418,-1.797021,9.508955,-0.127055,9.678102,90.752213,100.701660

19.1032047,-1.684637,9.526174,-0.141574,9.675021,90.838432,100.028671

19.1081696,-1.676219,9.565928,-0.187677,9.713490,91.107094,99.938927

19.1131306,-1.638132,9.560584,-0.213524,9.702260,91.261047,99.722771

19.1180935,-1.627301,9.539237,-0.163735,9.678428,90.969345,99.680908

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19.1379471,-1.808513,9.565803,-0.192733,9.737168,91.134163,100.705986

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19.1528358,-1.840681,9.509443,-0.154531,9.687182,90.914032,100.954895

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19.1875782,-1.726957,9.513514,-0.025829,9.669022,90.153053,100.288681

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19.2173557,-1.683421,9.537907,-0.013973,9.685338,90.082657,100.009499

19.2223206,-1.636791,9.624815,-0.057231,9.763166,90.335869,99.651360

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19.2372093,-1.713741,9.570697,-0.064720,9.723134,90.381378,100.151863

19.2421722,-1.753485,9.584507,0.016118,9.743600,89.905220,100.367599

19.2471371,-1.837387,9.605653,-0.006225,9.779805,90.036469,100.828835

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19.2818794,-1.915792,9.481470,0.037541,9.673156,89.777634,101.423180

19.2868404,-1.855937,9.538988,0.085502,9.718236,89.495903,101.010101

19.2918053,-1.859883,9.526241,0.101409,9.706634,89.401398,101.047340

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19.4555874,-1.494250,9.639085,-0.192111,9.756108,91.128304,98.811844

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19.4704781,-1.666642,9.711697,-0.142206,9.854693,90.826820,99.737778

19.4754410,-1.747537,9.713076,-0.061857,9.869223,90.359108,100.199310

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19.4952946,-1.738372,9.654455,-0.018924,9.809731,90.110527,100.207253

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19.5151463,-1.619294,9.637859,-0.005171,9.772946,90.030319,99.537415

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19.5250721,-1.624322,9.700079,-0.109262,9.835746,90.636490,99.506241

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19.6144104,-1.714153,9.648183,-0.092799,9.799712,90.542572,100.074379

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19.6441879,-1.608185,9.575064,-0.059261,9.709357,90.349709,99.534157

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19.6541157,-1.546693,9.589391,-0.120237,9.714068,90.709206,99.162445

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19.7384911,-1.650074,9.573694,-0.193576,9.716782,91.141510,99.779137

19.7434521,-1.622292,9.599177,-0.151582,9.736479,90.892044,99.592529

19.7484150,-1.667217,9.590033,-0.067315,9.734109,90.396225,99.862236

19.7533798,-1.645113,9.679977,-0.066837,9.819004,90.390007,99.645271

19.7583408,-1.611269,9.644199,-0.107576,9.778463,90.630341,99.484879

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19.7682686,-1.583314,9.611369,0.016644,9.740923,89.902100,99.354523

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19.7881222,-1.543628,9.568993,-0.110411,9.693328,90.652634,99.163757

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19.7980480,-1.582673,9.654628,-0.102548,9.784028,90.600540,99.309631

19.8030109,-1.634215,9.598000,-0.115975,9.736822,90.682465,99.662872

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19.8129368,-1.610896,9.720239,-0.058553,9.852992,90.340492,99.409874

19.8178997,-1.686686,9.646957,-0.058763,9.793475,90.343788,99.917419

19.8228645,-1.700123,9.678302,-0.037359,9.826563,90.217827,99.963120

19.8278255,-1.730060,9.588136,-0.024220,9.743000,90.142433,100.228256

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19.8476791,-1.747135,9.587236,0.003984,9.745132,89.976578,100.327995

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19.8724957,-1.570395,9.635772,-0.163687,9.764274,90.960541,99.256432

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19.9916115,-1.727244,9.565899,-0.050901,9.720719,90.300018,100.235199

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20.0213909,-1.594337,9.640684,-0.122459,9.772394,90.717995,99.390350

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20.1256180,-1.526246,9.486056,-0.129162,9.608922,90.770187,99.140190

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20.1405067,-1.574772,9.593537,-0.115468,9.722612,90.680473,99.321922

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23.6742744,-3.023819,9.345078,0.321455,9.827374,88.125511,107.930206

23.6792374,-2.910593,9.353745,0.345397,9.802214,87.980667,107.284508

23.6842022,-2.800843,9.308771,0.464906,9.732116,87.261925,106.745598

23.6891632,-2.977324,9.286294,0.535794,9.766616,86.855194,107.776627

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23.6990910,-3.114023,9.092355,0.530526,9.625462,86.840431,108.905724

23.7040539,-3.150798,9.029282,0.608118,9.582550,86.361511,109.236603

23.7090168,-3.177508,9.029348,0.726382,9.599652,85.660423,109.387421

23.7139797,-3.141920,8.999556,0.672886,9.555964,85.962158,109.245094

23.7189465,-3.141901,9.007791,0.727129,9.567682,85.641411,109.228683

23.7239056,-3.233264,8.978026,0.682922,9.566888,85.906517,109.805511

23.7288704,-3.168774,8.994739,0.698092,9.562101,85.813332,109.406952

23.7338333,-3.135945,9.145362,0.669333,9.691222,86.039665,108.926842

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23.7437592,-2.892521,9.147191,0.604009,9.612628,86.397446,107.547974

23.7487240,-2.795748,9.322409,0.519235,9.746441,86.946159,106.693748

23.7536869,-2.773089,9.328835,0.561632,9.748466,86.697227,106.555107

23.7586498,-2.705687,9.306855,0.639223,9.713233,86.226662,106.210197

23.7636108,-2.655993,9.306903,0.625777,9.698677,86.300598,105.927628

23.7685757,-2.715781,9.196397,0.585210,9.606854,86.507614,106.452362

23.7735367,-2.686400,9.218385,0.608175,9.621083,86.375763,106.247055

23.7785015,-2.728317,9.203455,0.573373,9.616447,86.581757,106.512192

23.7834644,-2.734044,9.151299,0.617359,9.570915,86.301643,106.634048

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23.7933903,-2.681075,9.303494,0.480813,9.694036,87.157028,106.075890

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23.8033180,-2.651147,9.346457,0.377901,9.722532,87.772438,105.836128

23.8082829,-2.668549,9.410036,0.293108,9.785492,88.283546,105.832558

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23.8330956,-2.559162,9.315427,0.176683,9.662179,88.952232,105.361496

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23.8430214,-2.492393,9.387454,0.207903,9.714912,88.773758,104.869125

23.8479862,-2.258470,9.403726,0.259273,9.674604,88.464325,103.504814

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23.8579140,-2.593294,9.459060,0.488235,9.820252,87.150238,105.331490

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23.9075451,-2.737865,9.388709,1.127267,9.844516,83.424805,106.257347

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23.9323597,-2.301048,9.143533,0.739674,9.457597,85.514343,104.125648

23.9373245,-2.279414,9.138294,0.685939,9.443233,85.834473,104.005791

23.9422855,-2.332316,9.125357,0.657515,9.441618,86.006683,104.337090

23.9472504,-2.389011,9.133276,0.464992,9.452001,87.180191,104.658562

23.9522133,-2.474628,9.180242,0.395503,9.516146,87.618027,105.086082

23.9571762,-2.650400,9.281898,0.304945,9.657704,88.190567,105.936432

23.9621372,-2.754117,9.406991,0.268974,9.805559,88.428131,106.318626

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24.0117683,-2.711922,9.287692,0.423984,9.684808,87.490883,106.277328

24.0167332,-2.689397,9.330280,0.452820,9.720701,87.330017,106.079308

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24.0266609,-2.729878,9.225443,0.507839,9.634258,86.978439,106.483887

24.0316219,-2.751953,9.248964,0.434500,9.659471,87.421867,106.569939

24.0365868,-2.726326,9.156366,0.351182,9.560085,87.894814,106.581001

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24.0614033,-2.551548,9.302000,0.431033,9.655227,87.441322,105.339012

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24.1308861,-2.610331,9.202028,0.733536,9.593186,85.614639,105.836998

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24.1408138,-2.637367,9.254748,0.669505,9.646466,86.020233,105.906197

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24.1507378,-2.693678,9.340431,0.537288,9.735925,86.836464,106.086983

24.1557026,-2.722677,9.314853,0.579493,9.721896,86.582748,106.293327

24.1606674,-2.791534,9.362315,0.504267,9.782633,87.045258,106.602844

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24.1705914,-2.847913,9.388804,0.473496,9.822650,87.237015,106.874161

24.1755562,-2.830349,9.402672,0.420786,9.828437,87.546242,106.752602

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24.1854801,-2.849196,9.399865,0.475488,9.833691,87.228493,106.862595

24.1904449,-2.778375,9.415341,0.461736,9.827575,87.307037,106.440811

24.1954079,-2.826930,9.371470,0.429912,9.798000,87.485191,106.786079

24.2003708,-2.831756,9.371509,0.490706,9.802286,87.130554,106.813057

24.2053337,-2.821643,9.337482,0.441424,9.764482,87.408943,106.814011

24.2102985,-2.769996,9.278901,0.441414,9.693592,87.390038,106.621750

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24.2202225,-2.833049,9.305056,0.452552,9.737301,87.336151,106.933578

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24.3542290,-2.623672,9.392836,0.517885,9.766127,86.960251,105.606476

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24.3939342,-2.648246,9.400469,0.791514,9.798393,85.366600,105.733284

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26.6273575,-2.406096,9.509999,0.673527,9.832752,86.072258,104.198280

26.6323204,-2.384893,9.518991,0.614036,9.832393,86.419533,104.065392

26.6372852,-2.314235,9.433403,0.624063,9.733151,86.323830,103.783783

26.6422462,-2.284068,9.404184,0.541932,9.692747,86.794861,103.651543

26.6472092,-2.239488,9.490587,0.612015,9.770420,86.408661,103.277176

26.6521740,-2.193338,9.438441,0.649001,9.711648,86.168236,103.082397

26.6571350,-2.269502,9.425780,0.596942,9.713512,86.476685,103.537766

26.6620979,-2.299650,9.486594,0.611824,9.780500,86.413490,103.626251

26.6670628,-2.280515,9.401177,0.532298,9.688458,86.850502,103.635292

26.6720257,-2.267740,9.431316,0.489882,9.712484,87.108864,103.519997

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26.6819515,-2.301862,9.507279,0.510195,9.795265,87.014351,103.610298

26.6869164,-2.310653,9.484984,0.566516,9.778803,86.678818,103.691238

26.6918774,-2.390936,9.495902,0.546194,9.807500,86.807465,104.132523

26.6968403,-2.318037,9.591537,0.447237,9.877798,87.404930,103.586456

26.7018051,-2.355464,9.496112,0.407148,9.792350,87.617058,103.930771

26.7067680,-2.377423,9.521262,0.514725,9.827081,86.997574,104.019859

26.7117290,-2.385889,9.491133,0.550255,9.801880,86.781860,104.110680

26.7166939,-2.349583,9.501762,0.463211,9.798907,87.290520,103.889397

26.7216568,-2.328878,9.472266,0.554105,9.770083,86.748756,103.812927

26.7266197,-2.421409,9.448401,0.485726,9.765830,87.149086,104.374237

26.7315826,-2.434616,9.447798,0.415547,9.765291,87.561127,104.450249

26.7365475,-2.430747,9.467392,0.416869,9.783344,87.557884,104.399620

26.7415085,-2.450743,9.477687,0.428591,9.798795,87.493134,104.498001

26.7464714,-2.496846,9.533434,0.529971,9.869218,86.921768,104.676361

26.7514362,-2.469581,9.496563,0.510817,9.825705,87.019974,104.576897

26.7563992,-2.443991,9.404060,0.449191,9.726830,87.353104,104.568146

26.7613621,-2.336377,9.365342,0.592594,9.670546,86.486816,104.007690

26.7663250,-2.296633,9.335893,0.491980,9.626809,87.070610,103.820358

26.7712879,-2.246738,9.299252,0.359705,9.573573,87.846733,103.582611

26.7762508,-2.262071,9.257573,0.462311,9.541141,87.222679,103.731064

26.7812138,-2.311774,9.243160,0.578171,9.545397,86.527428,104.041985

26.7861786,-2.370940,9.358437,0.592393,9.672260,86.488632,104.216637

26.7911415,-2.427022,9.430483,0.445398,9.747965,87.381165,104.432396

26.7961025,-2.311295,9.404338,0.431962,9.693826,87.446022,103.807861

26.8010674,-2.286338,9.488356,0.548607,9.775336,86.782784,103.547867

26.8060303,-2.324818,9.476297,0.543101,9.772408,86.814148,103.784119

26.8109932,-2.303481,9.470782,0.742825,9.775148,85.641823,103.670036

26.8159561,-2.201057,9.377331,0.723863,9.659346,85.702278,103.209404

26.8209190,-1.983079,9.233114,0.953132,9.491652,84.236763,102.121773

26.8258820,-1.926968,9.243007,0.513997,9.455716,86.883965,101.776260

26.8308449,-2.233924,9.373424,0.278905,9.639983,88.342079,103.404976

26.8358097,-2.478076,9.486842,0.278551,9.809110,88.372742,104.639236

26.8407726,-2.473517,9.583693,-0.005842,9.897751,90.033813,104.472008

26.8457355,-2.421812,9.678513,0.327345,9.982281,88.120789,104.048409

26.8506985,-2.189995,9.649571,0.561766,9.910897,86.750641,102.786819