Keuwl Accelerometer Data File

2024-04-30 16:55:22

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

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13.0245361,-3.234000,9.483001,-0.859050,10.056045,94.900536,108.830986

13.0292034,-3.229050,9.495001,-0.864000,10.066196,94.923859,108.782089

13.0338707,-3.261000,9.493051,-0.826050,10.071469,94.704620,108.958336

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13.0572052,-3.277050,9.535951,-0.829950,10.117422,94.705360,108.965393

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13.1085415,-3.289050,9.517051,-0.808950,10.101808,94.593147,109.064919

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13.1598730,-3.112050,9.423000,-0.873000,9.961924,95.027489,108.276375

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13.1692057,-3.117000,9.411000,-0.883050,9.953010,95.090080,108.325294

13.1738720,-3.114000,9.411000,-0.876000,9.951447,95.050133,108.308830

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18.3495178,-2.875050,9.613050,-0.909000,10.074866,95.176521,106.650757

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18.5828476,-3.007050,9.568951,-0.931050,10.073431,95.303207,107.445366

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18.5921803,-2.977950,9.592951,-0.901950,10.084959,95.131111,107.245964

18.5968475,-2.947050,9.607950,-0.909000,10.090793,95.168335,107.052368

18.6015129,-2.956050,9.592951,-0.892950,10.077713,95.083443,107.126587

18.6061802,-2.964000,9.613050,-0.895050,10.099363,95.084473,107.136147

18.6108456,-2.971050,9.619950,-0.895050,10.108002,95.080116,107.162910

18.6155109,-2.952000,9.622050,-0.909000,10.105663,95.160706,107.055771

18.6201763,-2.983050,9.616950,-0.907050,10.109751,95.147514,107.233192

18.6248436,-2.976000,9.622050,-0.912000,10.112970,95.174034,107.186295

18.6295109,-2.989950,9.604951,-0.919050,10.101462,95.220093,107.290977

18.6341782,-2.956050,9.601050,-0.924000,10.088220,95.255196,107.112984

18.6388416,-2.944050,9.579000,-0.928050,10.064093,95.290985,107.084503

18.6435070,-2.932950,9.562051,-0.904950,10.042606,95.169998,107.052254

18.6481724,-2.916000,9.543000,-0.925950,10.021441,95.301514,106.991280

18.6528397,-2.923050,9.543000,-0.907050,10.021767,95.192833,107.029984

18.6575050,-2.899050,9.546000,-0.909000,10.017829,95.206078,106.893150

18.6621723,-2.916000,9.550051,-0.921000,10.027700,95.269791,106.979462

18.6668377,-2.916000,9.559951,-0.913950,10.036485,95.224747,106.962883

18.6715050,-2.944050,9.579000,-0.940050,10.065207,95.359009,107.084503

18.6761703,-2.952000,9.592951,-0.976050,10.084229,95.554337,107.104492

18.6808376,-2.944050,9.598050,-0.960000,10.085217,95.462189,107.052567

18.6855030,-2.956050,9.586050,-0.973950,10.078650,95.545433,107.138191

18.6901703,-2.944050,9.579000,-0.979050,10.068924,95.579964,107.084503

18.6948376,-2.947050,9.580951,-0.973950,10.071162,95.549568,107.097618

18.6995049,-2.929950,9.574051,-0.964050,10.058651,95.499832,107.015701

18.7041702,-2.928000,9.547951,-0.943050,10.031245,95.394417,107.048820

18.7088375,-2.901000,9.541051,-0.943050,10.016826,95.402206,106.912132

18.7135010,-2.868000,9.553050,-0.928050,10.017358,95.315742,106.710716

18.7181683,-2.869950,9.550051,-0.961950,10.018254,95.510017,106.726402

18.7228336,-2.877000,9.559951,-0.945000,10.028102,95.407303,106.748802

18.7275028,-2.877000,9.568951,-0.933000,10.035559,95.334457,106.733925

18.7321701,-2.851050,9.556951,-0.957000,10.018964,95.481186,106.611008

18.7368355,-2.884950,9.555000,-0.945000,10.025666,95.408623,106.800690

18.7415009,-2.877000,9.550051,-0.933000,10.017539,95.344086,106.765190

18.7461681,-2.872950,9.543000,-0.936000,10.009935,95.365402,106.754585

18.7508335,-2.884950,9.555000,-0.961950,10.027278,95.505043,106.800690

18.7555008,-2.860950,9.550051,-0.967050,10.016171,95.540474,106.676865

18.7601681,-2.848950,9.556951,-0.973950,10.020000,95.577995,106.599449

18.7648335,-2.856000,9.568951,-0.969000,10.032971,95.542358,106.618538

18.7695007,-2.853000,9.565050,-0.960000,10.027532,95.493706,106.608444

18.7741661,-2.857950,9.559951,-0.967050,10.024755,95.535713,106.644051

18.7788353,-2.848950,9.550051,-0.973950,10.013419,95.581673,106.610779

18.7835026,-2.863050,9.562051,-0.976050,10.029085,95.584976,106.668648

18.7881680,-2.839050,9.562051,-0.997950,10.024416,95.713371,106.536583

18.7928352,-2.827050,9.567000,-0.979050,10.023884,95.605110,106.462418

18.7975025,-2.796000,9.583950,-0.960000,10.029522,95.492615,106.263962

18.8021698,-2.808000,9.583950,-0.937950,10.030788,95.365402,106.330048

18.8068371,-2.785950,9.595950,-0.949950,10.037240,95.430748,106.189369

18.8115025,-2.767050,9.619950,-0.931050,10.053202,95.313911,106.047173

18.8161678,-2.764950,9.619950,-0.916950,10.051328,95.234184,106.035622

18.8208351,-2.763000,9.634050,-0.880950,10.061071,95.023270,106.002640

18.8255005,-2.710050,9.655951,-0.919050,10.071068,95.235893,105.677368

18.8301678,-2.664000,9.655951,-0.861000,10.053636,94.912865,105.423759

18.8348331,-2.656950,9.691951,-0.816000,10.082616,94.642105,105.330421

18.8395004,-2.644950,9.688951,-0.816000,10.076575,94.644890,105.268929

18.8441677,-2.676000,9.682051,-0.808950,10.077573,94.604218,105.450150

18.8488350,-2.668950,9.655951,-0.802050,10.050073,94.577377,105.451050

18.8535004,-2.695050,9.640950,-0.793950,10.041990,94.534706,105.617912

18.8581676,-2.736000,9.610050,-0.804000,10.024229,94.600388,105.891754

18.8628330,-2.794050,9.613050,-0.799050,10.042706,94.563576,106.206604

18.8674984,-2.803050,9.601050,-0.829950,10.036238,94.743507,106.275291

18.8721657,-2.845950,9.577050,-0.829950,10.025375,94.748665,106.550026

18.8768330,-2.868000,9.571951,-0.832950,10.027038,94.765076,106.679550

18.8815002,-2.868000,9.577050,-0.865950,10.034699,94.950531,106.671165

18.8861675,-2.892000,9.586050,-0.864000,10.050001,94.931816,106.787956

18.8908329,-2.908950,9.589050,-0.904950,10.061352,95.160339,106.875786

18.8955002,-2.904000,9.598050,-0.916950,10.069587,95.224670,106.833794

18.9001637,-2.896950,9.591001,-0.897000,10.059036,95.116066,106.806877

18.9048290,-2.911050,9.610050,-0.901950,10.081706,95.132774,106.852470

18.9094963,-2.904000,9.591001,-0.919050,10.063059,95.240074,106.845467

18.9141636,-2.893950,9.591001,-0.888000,10.057374,95.065437,106.790451

18.9188309,-2.899050,9.567000,-0.897000,10.036762,95.127449,106.858177

18.9234982,-2.908950,9.586050,-0.888000,10.056982,95.065636,106.880768

18.9281635,-2.893950,9.565050,-0.877950,10.031746,95.020790,106.833435

18.9328308,-2.925000,9.577050,-0.877950,10.052179,95.010559,106.983597

18.9375000,-2.937000,9.567000,-0.853950,10.044038,94.877205,107.066109

18.9421673,-2.964000,9.567000,-0.864000,10.052825,94.930428,107.213768

18.9468346,-2.983050,9.555000,-0.864000,10.047045,94.933266,107.338249

18.9515018,-2.976000,9.553050,-0.885000,10.044928,95.054550,107.303040

18.9561691,-2.959050,9.556951,-0.880950,10.043274,95.032188,107.203720

18.9608345,-2.956050,9.543000,-0.877950,10.028852,95.022240,107.210945

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18.9701691,-2.904000,9.535951,-0.861000,10.005443,94.936592,106.937157

18.9748344,-2.896950,9.526051,-0.849000,9.992935,94.873726,106.914948

18.9795017,-2.887050,9.547951,-0.828000,10.009196,94.745155,106.823944

18.9841671,-2.893950,9.553050,-0.820950,10.015471,94.701706,106.853378

18.9888344,-2.913000,9.568951,-0.838050,10.037565,94.789276,106.931412

18.9935017,-2.941950,9.601050,-0.841950,10.076910,94.792786,107.036095

18.9981670,-2.953950,9.610050,-0.828000,10.087838,94.708076,107.086449

19.0028343,-2.988000,9.607950,-0.864000,10.098879,94.907883,107.275299

19.0075016,-3.009000,9.607950,-0.853950,10.104258,94.848068,107.389412

19.0121689,-3.034950,9.601050,-0.885000,10.108131,95.022865,107.542061

19.0168362,-3.025950,9.591001,-0.897000,10.096944,95.096802,107.510429

19.0215015,-3.001950,9.598050,-0.876000,10.094635,94.978317,107.367943

19.0261688,-3.000000,9.574051,-0.876000,10.071238,94.989914,107.398224

19.0308342,-2.953950,9.568951,-0.844950,10.050104,94.822762,107.155540

19.0354996,-2.944050,9.553050,-0.844950,10.032056,94.831459,107.128204

19.0401649,-2.928000,9.555000,-0.892950,10.033373,95.105965,107.036972

19.0448341,-2.916000,9.543000,-0.871050,10.016519,94.988823,106.991280

19.0494995,-2.911050,9.547951,-0.853950,10.018324,94.889755,106.955803

19.0541668,-2.923050,9.553050,-0.865950,10.027704,94.953987,107.013107

19.0588322,-2.911050,9.565050,-0.876000,10.036522,95.007217,106.927231

19.0634995,-2.923050,9.577050,-0.876000,10.051442,94.999763,106.972923

19.0681648,-2.920950,9.562051,-0.859050,10.035075,94.910797,106.986504

19.0728321,-2.916000,9.568951,-0.859050,10.040212,94.908279,106.947845

19.0775013,-2.923050,9.555000,-0.852000,10.028367,94.873665,107.009834

19.0821686,-2.928000,9.565050,-0.865950,10.040580,94.947624,107.020111

19.0868340,-2.928000,9.577050,-0.868950,10.052271,94.959015,107.000015

19.0914993,-2.944050,9.577050,-0.895050,10.059247,95.104805,107.087784

19.0961666,-2.949000,9.589050,-0.912000,10.073640,95.194290,107.094666

19.1008339,-2.929950,9.595950,-0.916950,10.075101,95.221802,106.979103

19.1055012,-2.925000,9.574051,-0.928050,10.053823,95.296410,106.988609

19.1101665,-2.925000,9.567000,-0.931050,10.047386,95.316994,107.000412

19.1148319,-2.920950,9.568951,-0.936000,10.048526,95.344734,106.974960

19.1194992,-2.911050,9.535951,-0.921000,10.012833,95.277641,106.975914

19.1241646,-2.923050,9.547951,-0.907050,10.026481,95.190384,107.021667

19.1288319,-2.935050,9.546000,-0.909000,10.028306,95.200623,107.090775

19.1334991,-2.961000,9.534000,-0.921000,10.025614,95.270889,107.253365

19.1381664,-2.964000,9.546000,-0.907050,10.036641,95.185112,107.249390

19.1428337,-2.988000,9.559951,-0.931050,10.059208,95.310730,107.356842

19.1474972,-3.007050,9.591001,-0.928050,10.094103,95.275215,107.407684

19.1521645,-2.989950,9.591001,-0.901950,10.086655,95.130249,107.314629

19.1568317,-2.973000,9.607950,-0.883050,10.096099,95.017754,107.193703

19.1614971,-2.944050,9.610050,-0.897000,10.090842,95.099899,107.032509

19.1661625,-2.929950,9.615001,-0.909000,10.092528,95.167442,106.947395

19.1708279,-2.889000,9.592951,-0.877950,10.056929,95.008186,106.760132

19.1754951,-2.884950,9.591001,-0.877950,10.053905,95.009697,106.741165

19.1801624,-2.872950,9.586050,-0.847050,10.043092,94.838165,106.683533

19.1848278,-2.872950,9.607950,-0.829950,10.062572,94.731071,106.647614

19.1894951,-2.877000,9.601050,-0.820950,10.056404,94.682526,106.681091

19.1941624,-2.892000,9.628950,-0.838050,10.088740,94.764931,106.717339

19.1988277,-2.889000,9.625051,-0.856950,10.085747,94.874092,106.707352

19.2034950,-2.916000,9.604951,-0.847050,10.073511,94.823517,106.887947

19.2081623,-2.920950,9.589050,-0.841950,10.059360,94.801170,106.941422

19.2128277,-2.923050,9.565050,-0.832950,10.036345,94.760643,106.992989

19.2174931,-2.925000,9.553050,-0.853950,10.027244,94.885399,107.023804

19.2221584,-2.911050,9.546000,-0.832950,10.014696,94.770958,106.959068

19.2268257,-2.893950,9.547951,-0.852000,10.013202,94.881065,106.861870

19.2314930,-2.856000,9.559951,-0.849000,10.013501,94.863693,106.633324

19.2361603,-2.833950,9.580951,-0.853950,10.027718,94.885162,106.477692

19.2408257,-2.803050,9.613050,-0.835050,10.048141,94.767059,106.256050

19.2454910,-2.772000,9.640950,-0.840000,10.066653,94.786545,106.041191

19.2501583,-2.785950,9.658051,-0.829950,10.086043,94.720032,106.090675

19.2548237,-2.784000,9.660001,-0.817950,10.086392,94.651474,106.076912

19.2594910,-2.824950,9.658051,-0.814050,10.095592,94.625023,106.304039

19.2641582,-2.860950,9.646050,-0.814050,10.094255,94.625633,106.519981

19.2688274,-2.916000,9.639001,-0.823050,10.104000,94.672371,106.831665

19.2734928,-2.956050,9.589050,-0.817950,10.067630,94.660164,107.133141

19.2781582,-2.989950,9.589050,-0.853950,10.080621,94.859467,107.317940

19.2828255,-2.997000,9.579000,-0.861000,10.073757,94.903030,107.373436

19.2874908,-2.989950,9.550051,-0.871050,10.044999,94.974640,107.384407

19.2921581,-2.985000,9.556951,-0.847050,10.048036,94.835777,107.345573

19.2968254,-2.989950,9.535951,-0.853950,10.030125,94.883987,107.408562

19.3014908,-2.968050,9.547951,-0.844950,10.034273,94.830391,107.268242

19.3061581,-2.928000,9.553050,-0.861000,10.028723,94.925102,107.040253

19.3108234,-2.904000,9.550051,-0.852000,10.018113,94.878670,106.913582

19.3154888,-2.875050,9.577050,-0.859050,10.036123,94.910286,106.709862

19.3201561,-2.836950,9.580951,-0.840000,10.027388,94.805328,106.494186

19.3248215,-2.853000,9.583950,-0.820950,10.033228,94.693367,106.577492

19.3294888,-2.880000,9.601050,-0.814050,10.056702,94.642944,106.697517

19.3341541,-2.881950,9.589050,-0.816000,10.045963,94.659081,106.727936

19.3388195,-2.904000,9.601050,-0.864000,10.067764,94.923088,106.828827

19.3434887,-2.892000,9.603001,-0.859050,10.065746,94.895798,106.759987

19.3481541,-2.908950,9.601050,-0.844950,10.067576,94.814377,106.855888

19.3528194,-2.908950,9.598050,-0.859050,10.065909,94.895721,106.860863

19.3574848,-2.881950,9.604951,-0.868950,10.065575,94.952446,106.701790

19.3621502,-2.857950,9.579000,-0.865950,10.033693,94.951027,106.612778

19.3668175,-2.839050,9.562051,-0.847050,10.010520,94.853943,106.536583

19.3714828,-2.821950,9.553050,-0.838050,9.996325,94.809082,106.457024

19.3761482,-2.827050,9.553050,-0.847050,9.998523,94.859779,106.485153

19.3808174,-2.815050,9.559951,-0.844950,10.001555,94.846230,106.407738

19.3854828,-2.808000,9.579000,-0.889950,10.021683,95.094719,106.338036

19.3901482,-2.808000,9.610050,-0.916950,10.053792,95.232903,106.288055

19.3948154,-2.815050,9.613050,-0.931050,10.059925,95.310349,106.321945

19.3994808,-2.821950,9.625051,-0.952050,10.075287,95.422173,106.340508

19.4041481,-2.824950,9.643950,-0.943050,10.093338,95.361130,106.326607

19.4088154,-2.797950,9.634050,-0.928050,10.074955,95.285271,106.194511

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19.4181480,-2.791050,9.604951,-0.909000,10.043471,95.192749,106.203049

19.4228153,-2.760000,9.595950,-0.904950,10.025906,95.178635,106.046364

19.4274807,-2.704950,9.583950,-0.919050,10.000675,95.272850,105.761055

19.4321461,-2.683050,9.559951,-0.931050,9.972877,95.356834,105.677055

19.4368114,-2.659950,9.565050,-0.892950,9.968093,95.139496,105.540749

19.4414806,-2.652000,9.580951,-0.913950,9.983137,95.252747,105.472054

19.4461460,-2.688000,9.577050,-0.919050,9.989489,95.278778,105.677887

19.4508133,-2.731050,9.598050,-0.885000,10.018205,95.068069,105.883286

19.4554806,-2.791050,9.601050,-0.897000,10.038662,95.126472,106.209282

19.4601479,-2.832000,9.571951,-0.892950,10.021968,95.111794,106.481613

19.4648132,-2.884950,9.601050,-0.904950,10.065885,95.158012,106.724617

19.4694805,-2.929950,9.616950,-0.901950,10.093753,95.126633,106.944153

19.4741497,-2.976000,9.589050,-0.895050,10.080058,95.094238,107.241936

19.4788189,-3.004050,9.589050,-0.859050,10.085245,94.886314,107.394691

19.4834843,-3.028050,9.571951,-0.871050,10.077205,94.958702,107.554565

19.4881496,-3.031050,9.579000,-0.838050,10.082006,94.768120,107.558754

19.4928169,-3.055050,9.579000,-0.802050,10.086321,94.560898,107.689148

19.4974823,-3.076050,9.574051,-0.802050,10.088004,94.560135,107.811707

19.5021496,-3.117000,9.610050,-0.781950,10.133123,94.425781,107.970367

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19.5208149,-3.136050,9.595950,-0.781950,10.125636,94.429062,108.097900

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19.5301495,-3.081000,9.577050,-0.754050,10.088659,94.286415,107.833328

19.5348148,-3.043050,9.567000,-0.723000,10.065306,94.119156,107.644707

19.5394802,-3.019050,9.571951,-0.748950,10.064683,94.267532,107.505585

19.5441475,-2.985000,9.574051,-0.736950,10.055634,94.202820,107.316444

19.5488129,-2.947050,9.543000,-0.742050,10.015218,94.249069,107.161629

19.5534821,-2.908950,9.562051,-0.727050,10.021148,94.160553,106.920715

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19.5861473,-2.851050,9.486000,-0.802050,9.937604,94.629295,106.728333

19.5908146,-2.830050,9.483001,-0.840000,9.931872,94.851654,106.616898

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19.6701450,-3.016050,9.672001,-0.768000,10.160412,94.334976,107.319206

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19.6794777,-2.892000,9.672001,-0.754050,10.123233,94.271751,106.647057

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19.7028122,-2.758050,9.547951,-0.739050,9.965761,94.252899,106.112053

19.7074757,-2.803050,9.534000,-0.742050,9.965183,94.270439,106.383636

19.7121429,-2.848950,9.543000,-0.772950,9.989135,94.437927,106.622375

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19.7914753,-2.683050,9.643950,-0.711000,10.035440,94.062744,105.547134

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21.3640976,-3.016050,9.619950,-1.101000,10.141607,96.232468,107.407272

21.3687668,-2.956050,9.591001,-1.114950,10.097952,96.339149,107.129868

21.3734303,-2.917950,9.571951,-1.144050,10.072018,96.522133,106.953522

21.3780994,-2.904000,9.547951,-1.117950,10.042230,96.391693,106.917091

21.3827667,-2.901000,9.531000,-1.122000,10.025700,96.425568,106.928947

21.3874340,-2.920950,9.531000,-1.122000,10.031490,96.421844,107.038643

21.3921013,-2.901000,9.529051,-1.125000,10.024182,96.443802,106.932213

21.3967686,-2.887050,9.514050,-1.117950,10.005100,96.415512,106.880486

21.4014359,-2.880000,9.498000,-1.108050,9.986700,96.370232,106.868446

21.4061012,-2.968050,9.723001,-1.162950,10.232229,96.526085,106.975372

21.4107685,-2.880000,9.664950,-1.201050,10.156190,96.791573,106.593208

21.4154358,-2.851050,9.499950,-1.192050,9.989922,96.853165,106.705139

21.4201012,-2.806050,9.483001,-1.168050,9.958191,96.736038,106.483650

21.4247665,-2.821950,9.543000,-1.161000,10.018991,96.654381,106.473419

21.4294357,-2.830050,9.580951,-1.180050,10.059638,96.736618,106.456245

21.4341030,-2.806050,9.543000,-1.206000,10.019841,96.912949,106.385590

21.4387684,-2.818050,9.595950,-1.245000,10.078378,97.095978,106.365974

21.4434357,-2.748000,9.586050,-1.257000,10.051065,97.184303,105.995827

21.4481030,-2.752950,9.586050,-1.288050,10.056350,97.358849,106.023163

21.4527702,-2.796000,9.574051,-1.318950,10.060801,97.533043,106.279884

21.4574375,-2.865000,9.556951,-1.288050,10.059951,97.356194,106.687775

21.4621048,-2.952000,9.505051,-1.315950,10.039523,97.531830,107.253319