

| Time     | Latitude   | Longitude  | Altitude | ECF Rx      | ECF Ry       | ECF Rz      | ECF Vx  | ECF Vy    | ECF Vz  | NED Roll | NED Pitch | NED Yaw  | ECF DCM_11 | ECF DCM_12 | ECF DCM_13 | ECF DCM_21 | ECF DCM_22 |
|----------|------------|------------|----------|-------------|--------------|-------------|---------|-----------|---------|----------|-----------|----------|------------|------------|------------|------------|------------|
| (sec)    | (deg)      | (deg)      | (m)      | (m)         | (m)          | (m)         | (m/s)   | (m/s)     | (m/s)   | (deg)    | (deg)     | (deg)    | (-)        | (-)        | (-)        | (-)        | (-)        |
| 0.0000   | -75.491117 | -75.491117 | 29.49    | 1261649.962 | -4881138.902 | 3890671.882 | -0.0000 | -0.0000   | -0.0000 | -77.0000 | 90.0000   | 0.0000   | 0.187872   | 0.167496   | 0.908732   | -0.764635  | -0.522202  |
| 0.377676 | -75.491117 | -75.491117 | 0.197078 | 1261650.501 | -4881121.259 | 3890673.770 | 1.7111  | -6.4336   | 5.3132  | 145.336  | 89.964    | -139.019 | 0.197343   | 0.192264   | 0.898391   | -0.765023  | -0.531349  |
| 1.0000   | -75.491117 | -75.491117 | 0.197078 | 1261651.677 | -4881133.293 | 3890683.396 | 4.467   | -17.3735  | 13.894  | 148.049  | 89.960    | -139.829 | 0.197426   | 0.193144   | 0.932716   | -0.765041  | -0.547716  |
| 2.0000   | -75.491117 | -75.491117 | 0.197078 | 1261659.555 | -4881156.004 | 3890701.626 | 7.226   | -28.1232  | 22.562  | 185.715  | 89.965    | -168.963 | 0.197851   | 0.190738   | 0.974293   | -0.765016  | -0.618409  |
| 3.0000   | -75.491117 | -75.491117 | 0.197078 | 1261668.135 | -4881178.752 | 3890728.568 | 10.208  | -39.2025  | 31.343  | 231.343  | 89.975    | -172.341 | 0.198473   | 0.187855   | 1.017785   | -0.764855  | -0.703027  |
| 4.0000   | -75.491117 | -75.491117 | 0.197078 | 1261678.589 | -4881204.614 | 3890763.621 | 13.207  | -50.4535  | 40.806  | 285.345  | 89.984    | -176.024 | 0.199346   | 0.185456   | 1.065871   | -0.764644  | -0.798557  |
| 5.0000   | -75.491117 | -75.491117 | 0.197078 | 1261690.899 | -4881234.614 | 3890809.758 | 16.207  | -61.7047  | 50.806  | 348.000  | 89.994    | -179.707 | 0.200484   | 0.183157   | 1.125904   | -0.764394  | -0.898485  |
| 6.0000   | -75.491117 | -75.491117 | 0.197078 | 1261715.514 | -4881274.614 | 3890869.022 | 19.207  | -73.0559  | 60.806  | 418.000  | 89.999    | -183.390 | 0.201901   | 0.180858   | 1.194904   | -0.764104  | -1.014845  |
| 7.0000   | -75.491117 | -75.491117 | 0.197078 | 1261741.940 | -4881324.614 | 3890935.425 | 22.207  | -84.4071  | 70.806  | 498.000  | 89.999    | -187.073 | 0.203522   | 0.178559   | 1.272904   | -0.763774  | -1.150878  |
| 8.0000   | -75.491117 | -75.491117 | 0.197078 | 1261770.040 | -4881384.614 | 3891011.692 | 25.207  | -95.7583  | 80.806  | 588.000  | 89.999    | -190.756 | 0.205359   | 0.176260   | 1.360904   | -0.763404  | -1.308904  |
| 9.0000   | -75.491117 | -75.491117 | 0.197078 | 1261809.368 | -4881454.614 | 3891097.350 | 28.207  | -107.1095 | 90.806  | 678.000  | 89.999    | -194.439 | 0.207414   | 0.173961   | 1.458904   | -0.762994  | -1.490904  |
| 10.0000  | -75.491117 | -75.491117 | 0.197078 | 1261860.113 | -4881534.614 | 3891204.346 | 31.207  | -118.4607 | 100.806 | 768.000  | 89.999    | -198.122 | 0.209699   | 0.171662   | 1.566904   | -0.762544  | -1.702904  |
| 11.0000  | -75.491117 | -75.491117 | 0.197078 | 1261924.216 | -4881624.614 | 3891339.180 | 34.207  | -129.8119 | 110.806 | 858.000  | 89.999    | -201.805 | 0.212224   | 0.169363   | 1.684904   | -0.762054  | -1.936904  |
| 12.0000  | -75.491117 | -75.491117 | 0.197078 | 1262000.589 | -4881724.614 | 3891503.162 | 37.207  | -141.1631 | 120.806 | 948.000  | 89.999    | -205.488 | 0.214999   | 0.167064   | 1.812904   | -0.761524  | -2.196904  |
| 13.0000  | -75.491117 | -75.491117 | 0.197078 | 1262089.216 | -4881834.614 | 3891697.621 | 40.207  | -152.5143 | 130.806 | 1038.000 | 89.999    | -209.171 | 0.217934   | 0.164765   | 1.950904   | -0.760954  | -2.482904  |
| 14.0000  | -75.491117 | -75.491117 | 0.197078 | 1262190.589 | -4881954.614 | 3891922.346 | 43.207  | -163.8655 | 140.806 | 1128.000 | 89.999    | -212.854 | 0.221039   | 0.162466   | 2.100904   | -0.760344  | -2.796904  |
| 15.0000  | -75.491117 | -75.491117 | 0.197078 | 1262304.216 | -4882084.614 | 3892187.621 | 46.207  | -175.2167 | 150.806 | 1218.000 | 89.999    | -216.537 | 0.224314   | 0.160167   | 2.262904   | -0.759694  | -3.132904  |
| 16.0000  | -75.491117 | -75.491117 | 0.197078 | 1262430.589 | -4882224.614 | 3892502.346 | 49.207  | -186.5679 | 160.806 | 1308.000 | 89.999    | -220.220 | 0.227769   | 0.157868   | 2.436904   | -0.758994  | -3.498904  |
| 17.0000  | -75.491117 | -75.491117 | 0.197078 | 1262569.216 | -4882374.614 | 3892867.621 | 52.207  | -197.9191 | 170.806 | 1398.000 | 89.999    | -223.903 | 0.231404   | 0.155569   | 2.632904   | -0.758244  | -3.896904  |
| 18.0000  | -75.491117 | -75.491117 | 0.197078 | 1262720.589 | -4882534.614 | 3893282.346 | 55.207  | -209.2703 | 180.806 | 1488.000 | 89.999    | -227.586 | 0.235229   | 0.153270   | 2.850904   | -0.757444  | -4.326904  |
| 19.0000  | -75.491117 | -75.491117 | 0.197078 | 1262884.216 | -4882704.614 | 3893747.621 | 58.207  | -220.6215 | 190.806 | 1578.000 | 89.999    | -231.269 | 0.239254   | 0.150971   | 3.090904   | -0.756594  | -4.792904  |
| 20.0000  | -75.491117 | -75.491117 | 0.197078 | 1263060.589 | -4882884.614 | 3894262.346 | 61.207  | -231.9727 | 200.806 | 1668.000 | 89.999    | -234.952 | 0.243489   | 0.148672   | 3.352904   | -0.755694  | -5.294904  |
| 21.0000  | -75.491117 | -75.491117 | 0.197078 | 1263249.216 | -4883074.614 | 3894827.621 | 64.207  | -243.3239 | 210.806 | 1758.000 | 89.999    | -238.635 | 0.247934   | 0.146373   | 3.636904   | -0.754744  | -5.832904  |
| 22.0000  | -75.491117 | -75.491117 | 0.197078 | 1263450.589 | -4883274.614 | 3895442.346 | 67.207  | -254.6751 | 220.806 | 1848.000 | 89.999    | -242.318 | 0.252589   | 0.144074   | 3.942904   | -0.753744  | -6.406904  |
| 23.0000  | -75.491117 | -75.491117 | 0.197078 | 1263664.216 | -4883484.614 | 3896107.621 | 70.207  | -266.0263 | 230.806 | 1938.000 | 89.999    | -246.001 | 0.257454   | 0.141775   | 4.270904   | -0.752694  | -7.016904  |
| 24.0000  | -75.491117 | -75.491117 | 0.197078 | 1263890.589 | -4883704.614 | 3896822.346 | 73.207  | -277.3775 | 240.806 | 2028.000 | 89.999    | -249.684 | 0.262529   | 0.139476   | 4.612904   | -0.751594  | -7.662904  |
| 25.0000  | -75.491117 | -75.491117 | 0.197078 | 1264129.216 | -4883934.614 | 3897587.621 | 76.207  | -288.7287 | 250.806 | 2118.000 | 89.999    | -253.367 | 0.267814   | 0.137177   | 4.978904   | -0.750444  | -8.346904  |
| 26.0000  | -75.491117 | -75.491117 | 0.197078 | 1264480.589 | -4884174.614 | 3898402.346 | 79.207  | -300.0799 | 260.806 | 2208.000 | 89.999    | -257.050 | 0.273319   | 0.134878   | 5.368904   | -0.749244  | -9.068904  |
| 27.0000  | -75.491117 | -75.491117 | 0.197078 | 1264944.216 | -4884424.614 | 3899267.621 | 82.207  | -311.4311 | 270.806 | 2298.000 | 89.999    | -260.733 | 0.279044   | 0.132579   | 5.782904   | -0.747994  | -9.820904  |
| 28.0000  | -75.491117 | -75.491117 | 0.197078 | 1265520.589 | -4884684.614 | 3900182.346 | 85.207  | -322.7823 | 280.806 | 2388.000 | 89.999    | -264.416 | 0.285009   | 0.130280   | 6.220904   | -0.746694  | -10.604904 |
| 29.0000  | -75.491117 | -75.491117 | 0.197078 | 1266110.216 | -4884954.614 | 3901147.621 | 88.207  | -334.1335 | 290.806 | 2478.000 | 89.999    | -268.100 | 0.291204   | 0.127981   | 6.684904   | -0.745344  | -11.420904 |
| 30.0000  | -75.491117 | -75.491117 | 0.197078 | 1266714.589 | -4885234.614 | 3902162.346 | 91.207  | -345.4847 | 300.806 | 2568.000 | 89.999    | -271.783 | 0.297629   | 0.125682   | 7.172904   | -0.743944  | -12.276904 |
| 31.0000  | -75.491117 | -75.491117 | 0.197078 | 1267333.216 | -4885524.614 | 3903227.621 | 94.207  | -356.8359 | 310.806 | 2658.000 | 89.999    | -275.466 | 0.304284   | 0.123383   | 7.696904   | -0.742494  | -13.172904 |
| 32.0000  | -75.491117 | -75.491117 | 0.197078 | 1267967.589 | -4885824.614 | 3904342.346 | 97.207  | -368.1871 | 320.806 | 2748.000 | 89.999    | -279.150 | 0.311169   | 0.121084   | 8.252904   | -0.740994  | -14.108904 |
| 33.0000  | -75.491117 | -75.491117 | 0.197078 | 1268617.216 | -4886134.614 | 3905507.621 | 100.207 | -379.5383 | 330.806 | 2838.000 | 89.999    | -282.833 | 0.318184   | 0.118785   | 8.840904   | -0.739444  | -15.084904 |
| 34.0000  | -75.491117 | -75.491117 | 0.197078 | 1269282.589 | -4886454.614 | 3906722.346 | 103.207 | -390.8895 | 340.806 | 2928.000 | 89.999    | -286.516 | 0.325429   | 0.116486   | 9.460904   | -0.737844  | -16.100904 |
| 35.0000  | -75.491117 | -75.491117 | 0.197078 | 1270063.216 | -4886784.614 | 3908087.621 | 106.207 | -402.2407 | 350.806 | 3018.000 | 89.999    | -290.200 | 0.332904   | 0.114187   | 10.112904  | -0.736194  | -17.166904 |
| 36.0000  | -75.491117 | -75.491117 | 0.197078 | 1270970.589 | -4887124.614 | 3909502.346 | 109.207 | -413.5919 | 360.806 | 3108.000 | 89.999    | -293.883 | 0.340629   | 0.111888   | 10.806904  | -0.734494  | -18.272904 |
| 37.0000  | -75.491117 | -75.491117 | 0.197078 | 1272014.216 | -4887474.614 | 3911067.621 | 112.207 | -424.9431 | 370.806 | 3198.000 | 89.999    | -297.566 | 0.348584   | 0.109589   | 11.542904  | -0.732744  | -19.418904 |
| 38.0000  | -75.491117 | -75.491117 | 0.197078 | 1273195.589 | -4887834.614 | 3912782.346 | 115.207 | -436.2943 | 380.806 | 3288.000 | 89.999    | -301.250 | 0.356769   | 0.107290   | 12.318904  | -0.730944  | -20.604904 |
| 39.0000  | -75.491117 | -75.491117 | 0.197078 | 1274514.216 | -4888204.614 | 3914647.621 | 118.207 | -447.6455 | 390.806 | 3378.000 | 89.999    | -304.933 | 0.365184   | 0.104991   | 13.130904  | -0.729094  | -21.830904 |
| 40.0000  | -75.491117 | -75.491117 | 0.197078 | 1275973.589 | -4888584.614 | 3916662.346 | 121.207 | -458.9967 | 400.806 | 3468.000 | 89.999    | -308.616 | 0.373829   | 0.102692   | 14.000904  | -0.727194  | -23.106904 |
| 41.0000  | -75.491117 | -75.491117 | 0.197078 | 1277574.216 | -4889074.614 | 3918827.621 | 124.207 | -470.3479 | 410.806 | 3558.000 | 89.999    | -312.300 | 0.382704   | 0.100393   | 14.920904  | -0.725244  | -24.432904 |
| 42.0000  | -75.491117 | -75.491117 | 0.197078 | 1279317.589 | -4889574.614 | 3921142.346 | 127.207 | -481.6991 | 420.806 | 3648.000 | 89.999    | -315.983 | 0.391729   | 0.098094   | 15.896904  | -0.723244  | -25.818904 |
| 43.0000  | -75.491117 | -75.491117 | 0.197078 | 1281204.216 | -4890084.614 | 3923607.621 | 130.207 | -493.0503 | 430.806 | 3738.000 | 89.999    | -319.666 | 0.400904   | 0.095795   | 16.932904  | -0.721194  | -27.254904 |
| 44.0000  | -75.491117 | -75.491117 | 0.197078 | 1283235.589 | -4890604.614 | 3926222.346 | 133.207 | -504.4015 | 440.806 | 3828.000 | 89.999    | -323.350 | 0.410229   | 0.093496   | 18.030904  | -0.719094  | -28.740904 |
| 45.0000  | -75.491117 | -75.491117 | 0.197078 | 1285412.216 | -4891134.614 | 3928987.621 | 136.207 | -515.7527 | 450.806 | 3918.000 | 89.999    | -327.033 | 0.419664   | 0.091197   | 19.192904  | -0.716944  | -30.276904 |
| 46.0000  | -75.491117 | -75.491117 | 0.197078 | 1287735.589 | -4891674.614 | 3931902.346 | 139.207 | -527.1039 | 460.806 | 4008.000 | 89.999    | -330.716 | 0.429229   | 0.088898   | 20.420904  | -0.714744  | -31.862904 |
| 47.0000  | -75.491117 | -75.491117 | 0.197078 | 1290204.216 | -4892224.614 | 3934967.621 | 142.207 | -538.4551 | 470.806 | 4098.000 | 89.999    | -334.400 | 0.438924   | 0.086600   | 21.706904  | -0.712494  | -33.508904 |
| 48.0000  | -75.491117 | -75.491117 | 0.197078 | 1292817.589 |              |             |         |           |         |          |           |          |            |            |            |            |            |



Table with 15 columns of numerical data representing trajectory coordinates and values. The data is organized in a grid-like structure with varying column widths.

Table with 15 columns: X, Y, Z, U, V, W, X, Y, Z, U, V, W, X, Y, Z. Contains trajectory data for various points.

|         |          |          |          |             |             |          |          |           |        |        |         |          |          |          |          |           |
|---------|----------|----------|----------|-------------|-------------|----------|----------|-----------|--------|--------|---------|----------|----------|----------|----------|-----------|
| 0.62663 | -0.53389 | -0.73599 | -0.41667 | 4747631.0   | 2903314.809 | 5389.621 | 3026.605 | -3754.598 | 0.430  | -0.367 | 125.346 | 0.74052  | -0.15923 | -0.65287 | 0.417401 | -0.652349 |
| 0.63206 | -0.53606 | -0.74103 | -0.41664 | 4747618.323 | 2903158.430 | 5384.620 | 3013.123 | -3758.156 | 0.320  | -0.054 | 126.495 | 0.74469  | -0.16337 | -0.64906 | 0.418904 | -0.647655 |
| 0.63645 | -0.53890 | -0.74752 | -0.41668 | 4481400.441 | 2896398.502 | 5379.618 | 3015.637 | -3761.701 | 0.608  | 0.190  | 128.813 | 0.747084 | -0.15425 | -0.64624 | 0.419201 | -0.644901 |
| 0.63940 | -0.53583 | -0.74289 | -0.41650 | 4482777.556 | 2892615.028 | 5374.608 | 3040.145 | -3765.247 | 0.691  | 0.305  | 128.749 | 0.747928 | -0.14726 | -0.64595 | 0.419580 | -0.643314 |
| 0.64030 | -0.53151 | -0.74978 | -0.41628 | 4492149.145 | 2888868.006 | 5369.586 | 3044.650 | -3768.795 | 0.765  | 0.357  | 127.729 | 0.747935 | -0.15012 | -0.64518 | 0.420168 | -0.642182 |
| 0.64141 | -0.53180 | -0.75016 | -0.41579 | 4497516.729 | 2885097.441 | 5364.562 | 3049.153 | -3772.335 | 0.826  | 0.470  | 126.755 | 0.747939 | -0.15744 | -0.64583 | 0.420656 | -0.641078 |
| 0.64184 | -0.53412 | -0.75110 | -0.41395 | 4502878.774 | 2881323.336 | 5359.528 | 3053.635 | -3775.874 | 0.885  | 0.359  | 124.793 | 0.746549 | -0.15663 | -0.64610 | 0.421266 | -0.640978 |
| 0.64256 | -0.51497 | -0.75707 | -0.41203 | 4508235.784 | 2877545.694 | 5354.489 | 3058.150 | -3779.409 | 0.944  | 0.344  | 124.832 | 0.745661 | -0.17528 | -0.64717 | 0.421905 | -0.640474 |
| 0.64370 | -0.51377 | -0.75198 | -0.41109 | 4513587.520 | 2873764.520 | 5349.444 | 3062.644 | -3782.943 | 1.003  | 0.327  | 124.871 | 0.744736 | -0.15842 | -0.64821 | 0.422575 | -0.639909 |
| 0.64181 | -0.51625 | -0.75192 | -0.40961 | 4518934.669 | 2869979.818 | 5344.392 | 3067.135 | -3786.465 | 1.061  | 0.306  | 124.911 | 0.743774 | -0.15934 | -0.64916 | 0.423275 | -0.639380 |
| 0.63732 | -0.51870 | -0.74905 | -0.40812 | 4524276.533 | 2866211.592 | 5339.335 | 3071.622 | -3789.985 | 0.746  | 0.279  | 124.948 | 0.742743 | -0.15971 | -0.65158 | 0.424067 | -0.640132 |
| 0.63282 | -0.52120 | -0.74618 | -0.40663 | 4529618.338 | 2862439.849 | 5334.272 | 3076.107 | -3793.501 | 0.317  | 0.248  | 124.985 | 0.741667 | -0.15747 | -0.65378 | 0.424899 | -0.647436 |
| 0.62682 | -0.52370 | -0.74331 | -0.40514 | 4534960.143 | 2858664.591 | 5329.203 | 3080.589 | -3797.013 | 0.032  | 0.215  | 125.023 | 0.740554 | -0.14706 | -0.65508 | 0.425757 | -0.651826 |
| 0.62177 | -0.52620 | -0.74044 | -0.40365 | 4540299.743 | 2854890.824 | 5324.129 | 3085.068 | -3800.520 | -0.421 | 0.178  | 125.058 | 0.739403 | -0.14247 | -0.65784 | 0.426642 | -0.651611 |
| 0.61648 | -0.52870 | -0.73757 | -0.40216 | 4545599.508 | 2851103.755 | 5318.988 | 3089.508 | -3803.979 | -0.809 | 0.275  | 125.012 | 0.740007 | -0.13788 | -0.65815 | 0.427050 | -0.659847 |
| 0.61248 | -0.53120 | -0.73470 | -0.40067 | 4550909.504 | 2847318.027 | 5313.902 | 3093.982 | -3807.477 | -1.366 | 0.610  | 124.807 | 0.747330 | -0.13081 | -0.65562 | 0.427619 | -0.662329 |
| 0.61887 | -0.53370 | -0.73183 | -0.39918 | 4556209.508 | 2843533.003 | 5308.811 | 3098.452 | -3810.970 | -1.585 | 0.941  | 124.599 | 0.747375 | -0.12278 | -0.65285 | 0.428249 | -0.664792 |
| 0.62500 | -0.53620 | -0.72896 | -0.39769 | 4561509.508 | 2839748.003 | 5303.714 | 3102.919 | -3814.459 | -1.975 | 1.267  | 124.389 | 0.750943 | -0.11573 | -0.65013 | 0.428941 | -0.667336 |
| 0.63100 | -0.53870 | -0.72610 | -0.39620 | 4566809.508 | 2835963.003 | 5298.611 | 3107.384 | -3817.943 | -2.126 | 1.588  | 124.177 | 0.754442 | -0.11139 | -0.64846 | 0.429585 | -0.667094 |
| 0.63700 | -0.54120 | -0.72324 | -0.39471 | 4572109.508 | 2832178.003 | 5293.502 | 3111.845 | -3821.423 | -2.107 | 1.907  | 123.965 | 0.757876 | -0.10979 | -0.64693 | 0.429688 | -0.664089 |
| 0.64300 | -0.54370 | -0.72038 | -0.39322 | 4577409.508 | 2828393.003 | 5288.386 | 3116.305 | -3824.898 | -1.898 | 2.207  | 123.748 | 0.761085 | -0.10814 | -0.63974 | 0.429466 | -0.661068 |
| 0.64900 | -0.54620 | -0.71752 | -0.39173 | 4582709.508 | 2824608.003 | 5283.264 | 3120.761 | -3828.369 | -1.791 | 2.432  | 123.533 | 0.764317 | -0.10639 | -0.63700 | 0.429245 | -0.658061 |
| 0.65500 | -0.54870 | -0.71466 | -0.39024 | 4587999.508 | 2820823.003 | 5278.136 | 3125.215 | -3831.836 | -1.687 | 2.590  | 123.318 | 0.767031 | -0.10468 | -0.63447 | 0.427781 | -0.655063 |
| 0.66100 | -0.55120 | -0.71180 | -0.38875 | 4593289.508 | 2817038.003 | 5273.003 | 3129.664 | -3835.299 | -1.584 | 2.695  | 123.101 | 0.769005 | -0.10291 | -0.63453 | 0.427974 | -0.652141 |
| 0.66700 | -0.55370 | -0.70894 | -0.38726 | 4598579.508 | 2813253.003 | 5267.874 | 3134.105 | -3838.762 | -1.362 | 2.805  | 123.368 | 0.766070 | -0.10832 | -0.63363 | 0.427524 | -0.651524 |
| 0.67300 | -0.55620 | -0.70608 | -0.38577 | 4603869.508 | 2809468.003 | 5262.708 | 3138.470 | -3842.301 | -0.945 | 2.970  | 123.156 | 0.761641 | -0.12528 | -0.63263 | 0.427074 | -0.649892 |
| 0.67900 | -0.55870 | -0.70322 | -0.38428 | 4609159.508 | 2805683.003 | 5257.558 | 3142.910 | -3845.747 | -0.653 | 3.124  | 122.875 | 0.755803 | -0.17507 | -0.63087 | 0.427151 | -0.647836 |
| 0.68500 | -0.56120 | -0.70036 | -0.38279 | 4614449.508 | 2801898.003 | 5252.403 | 3147.346 | -3849.189 | -0.335 | 3.265  | 130.443 | 0.748835 | -0.20976 | -0.62917 | 0.426917 | -0.645771 |
| 0.69100 | -0.56370 | -0.69750 | -0.38130 | 4619739.508 | 2798113.003 | 5247.247 | 3151.779 | -3852.626 | -0.405 | 3.396  | 132.810 | 0.740162 | -0.23676 | -0.62950 | 0.426534 | -0.643524 |
| 0.69700 | -0.56620 | -0.69464 | -0.37981 | 4625029.508 | 2794328.003 | 5242.075 | 3156.209 | -3856.059 | -0.592 | 3.520  | 135.176 | 0.730462 | -0.26204 | -0.63048 | 0.426166 | -0.641370 |
| 0.70300 | -0.56870 | -0.69178 | -0.37832 | 4630319.508 | 2790543.003 | 5236.902 | 3160.636 | -3859.491 | -0.773 | 3.639  | 137.541 | 0.719559 | -0.28868 | -0.63160 | 0.425811 | -0.639217 |
| 0.70900 | -0.57120 | -0.68892 | -0.37683 | 4635609.508 | 2786758.003 | 5231.723 | 3165.059 | -3862.911 | -0.949 | 3.751  | 139.904 | 0.707477 | -0.31818 | -0.63324 | 0.425468 | -0.637151 |
| 0.71500 | -0.57370 | -0.68606 | -0.37534 | 4640899.508 | 2782973.003 | 5226.539 | 3169.479 | -3866.329 | -1.119 | 3.856  | 142.266 | 0.694236 | -0.33865 | -0.63525 | 0.425037 | -0.635296 |
| 0.72100 | -0.57620 | -0.68320 | -0.37385 | 4646189.508 | 2779188.003 | 5221.349 | 3173.896 | -3869.743 | -1.285 | 3.954  | 144.628 | 0.679862 | -0.36779 | -0.63722 | 0.424608 | -0.633429 |
| 0.72700 | -0.57870 | -0.68034 | -0.37236 | 4651479.508 | 2775403.003 | 5216.153 | 3178.310 | -3873.153 | -1.445 | 4.045  | 146.988 | 0.664832 | -0.38629 | -0.63924 | 0.424179 | -0.631573 |
| 0.73300 | -0.58120 | -0.67748 | -0.37087 | 4656769.508 | 2771618.003 | 5210.951 | 3182.720 | -3876.558 | -1.602 | 4.128  | 149.346 | 0.648723 | -0.40913 | -0.64200 | 0.423744 | -0.629719 |
| 0.73900 | -0.58370 | -0.67462 | -0.36938 | 4662059.508 | 2767833.003 | 5205.745 | 3187.125 | -3879.955 | -1.755 | 4.204  | 151.704 | 0.630215 | -0.43162 | -0.64570 | 0.423317 | -0.627860 |
| 0.74500 | -0.58620 | -0.67176 | -0.36789 | 4667349.508 | 2764048.003 | 5200.530 | 3191.531 | -3883.353 | -1.904 | 4.271  | 154.061 | 0.611590 | -0.45428 | -0.64951 | 0.422890 | -0.625999 |
| 0.75100 | -0.58870 | -0.66890 | -0.36640 | 4672639.508 | 2760263.003 | 5195.310 | 3195.932 | -3886.744 | -2.054 | 4.300  | 156.416 | 0.591880 | -0.47866 | -0.65359 | 0.422463 | -0.624140 |
| 0.75700 | -0.59120 | -0.66604 | -0.36491 | 4677929.508 | 2756478.003 | 5190.085 | 3200.330 | -3890.129 | -2.194 | 4.380  | 158.770 | 0.571219 | -0.50216 | -0.65751 | 0.422036 | -0.622291 |
| 0.76300 | -0.59370 | -0.66318 | -0.36342 | 4683219.508 | 2752693.003 | 5184.854 | 3204.724 | -3893.511 | -2.335 | 4.421  | 161.124 | 0.549944 | -0.51059 | -0.66050 | 0.421609 | -0.620440 |
| 0.76900 | -0.59620 | -0.66032 | -0.36193 | 4688509.508 | 2748908.003 | 5179.617 | 3209.114 | -3896.887 | -2.475 | 4.453  | 163.475 | 0.527592 | -0.52875 | -0.66482 | 0.421182 | -0.618591 |
| 0.77500 | -0.59870 | -0.65746 | -0.36044 | 4693799.508 | 2745123.003 | 5174.375 | 3213.502 | -3900.259 | -2.616 | 4.476  | 165.826 | 0.504400 | -0.54560 | -0.66968 | 0.420755 | -0.616740 |
| 0.78100 | -0.60120 | -0.65460 | -0.35895 | 4699089.508 | 2741338.003 | 5169.129 | 3217.890 | -3903.645 | -2.762 | 4.493  | 168.176 | 0.475174 | -0.56078 | -0.67500 | 0.420328 | -0.614891 |
| 0.78700 | -0.60370 | -0.65174 | -0.35746 | 4704379.508 | 2737553.003 | 5163.874 | 3222.290 | -3907.000 | -2.911 | 4.508  | 170.569 | 0.440880 | -0.57404 | -0.68099 | 0.419901 | -0.613040 |
| 0.79300 | -0.60620 | -0.64888 | -0.35597 | 4709669.508 | 2733768.003 | 5158.618 | 3226.688 | -3910.377 | -3.062 | 4.518  | 172.941 | 0.408580 | -0.58705 | -0.68696 | 0.419474 | -0.611191 |
| 0.80000 | -0.60870 | -0.64602 | -0.35448 | 4714959.508 | 2729983.003 | 5153.310 | 3231.043 | -3913.717 | -3.213 | 4.518  | 175.309 | 0.369877 | -0.60335 | -0.70650 | 0.419047 | -0.609340 |
| 0.80600 | -0.61120 | -0.64316 | -0.35299 | 4720249.508 | 2726198.003 | 5148.003 | 3235.414 | -3917.057 | -3.364 | 4.500  | 177.671 | 0.332449 | -0.61851 | -0.71154 | 0.418620 | -0.607491 |
| 0.81200 | -0.61370 | -0.64030 | -0.35150 | 4725539.508 | 2722413.003 | 5142.707 | 3239.782 | -3920.400 | -3.515 | 4.482  | 179.971 | 0.295952 | -0.63248 | -0.71620 | 0.418193 | -0.605640 |
| 0.81800 | -0.61620 | -0.63744 | -0.35001 | 4730829.508 | 2718628.003 | 5137.407 | 3244.147 | -3923.746 | -3.666 | 4.459  | 182.316 | 0.258505 | -0.64765 | -0.71889 | 0.417766 | -0.603791 |
| 0.82400 | -0.61870 | -0.63458 | -0.34852 | 4736119.508 | 2714843.003 | 5132.102 | 3248.507 | -3927.087 | -3.817 | 4.436  | 184.658 | 0.221058 | -0.66282 | -0.72158 | 0.417339 | -0.601940 |
| 0.83000 | -0.62120 | -0.63172 | -0.34703 | 4741409.508 | 2711058.003 | 5126.802 | 3252.868 | -3930.429 | -3.968 | 4.413  | 186.997 | 0.183611 | -0.67800 | -0.72427 | 0.416912 | -0.600091 |
| 0.83600 | -0.62370 | -0.62886 | -0.34554 | 4746699.508 | 2707273.003 | 5121.507 | 3257.229 | -3933.766 | -4.119 | 4.390  | 189.336 | 0.146164 | -0.69318 | -0.72696 | 0.416485 | -0.598240 |
| 0.84200 | -0.62620 | -0.62600 | -0.34405 | 4751989.508 | 2703488.003 | 5116.202 | 3261.589 | -3937.101 | -4.270 | 4.367  | 191.675 | 0.108717 | -0.70836 | -0.72965 | 0.416058 | -0.596391 |
| 0.84800 | -0.62870 | -0.62314 | -0.34256 | 4757279.508 | 2700003.003 | 5110.907 | 3265.943 | -3940.435 | -4.421 | 4.344  | 194.014 | 0.071270 | -0.72354 | -0.73234 | 0.415631 | -0.594540 |
| 0.85400 | -0.63120 | -0.62028 | -0.34107 | 4762569.508 | 2696518.003 | 5105.602 | 3270.297 | -3943.766 | -4.572 | 4.321  | 196.353 | 0.033823 | -0.73872 | -0.73503 | 0.415204 | -0.592691 |
| 0.86000 | -0.63370 | -0.61742 | -0.33958 | 4767859.508 | 2693033.003 | 5100.307 | 3274.6   |           |        |        |         |          |          |          |          |           |

Table with 10 columns: ID, X, Y, Z, Vx, Vy, Vz, Ax, Ay, Az. Contains trajectory data for 1000 particles, with IDs ranging from 914.0000 to 1097.0000 and coordinates from -34.762428 to 312.184.

Table with 10 columns: X, Y, Z, U, V, W, A, B, C, D. It contains a dense grid of numerical data points representing trajectory coordinates and values.

|           |           |            |            |             |              |            |          |        |          |          |           |          |           |
|-----------|-----------|------------|------------|-------------|--------------|------------|----------|--------|----------|----------|-----------|----------|-----------|
| 1281.0000 | 3.702155  | -17.825423 | 503728.741 | 6537903.923 | -2102291.728 | 441633.510 | 1920.592 | -1.885 | 0.234179 | 0.572434 | -0.785799 | 0.691490 | -0.666227 |
| 1282.0000 | -0.000255 | -0.552774  | 503728.741 | 6537903.923 | -2097341.825 | 441633.510 | 1931.341 | -1.934 | 0.232479 | 0.572724 | -0.782877 | 0.691554 | -0.663375 |
| 1283.0000 | 3.639748  | -17.825423 | 503728.741 | 6537903.923 | -2092391.825 | 441633.510 | 1942.088 | -1.983 | 0.231779 | 0.573014 | -0.780000 | 0.691618 | -0.660520 |
| 1284.0000 | 3.639748  | -17.825423 | 503728.741 | 6537903.923 | -2087441.825 | 441633.510 | 1952.835 | -2.032 | 0.231079 | 0.573304 | -0.777123 | 0.691682 | -0.657665 |
| 1285.0000 | 3.571211  | -17.825423 | 503728.741 | 6537903.923 | -2082491.825 | 441633.510 | 1963.582 | -2.081 | 0.230379 | 0.573594 | -0.774246 | 0.691746 | -0.654810 |
| 1286.0000 | 3.502674  | -17.825423 | 503728.741 | 6537903.923 | -2077541.825 | 441633.510 | 1974.329 | -2.130 | 0.229679 | 0.573884 | -0.771369 | 0.691810 | -0.651955 |
| 1287.0000 | 3.434137  | -17.825423 | 503728.741 | 6537903.923 | -2072591.825 | 441633.510 | 1985.076 | -2.179 | 0.228979 | 0.574174 | -0.768492 | 0.691874 | -0.649100 |
| 1288.0000 | 3.365600  | -17.825423 | 503728.741 | 6537903.923 | -2067641.825 | 441633.510 | 1995.823 | -2.228 | 0.228279 | 0.574464 | -0.765615 | 0.691938 | -0.646245 |
| 1289.0000 | 3.297063  | -17.825423 | 503728.741 | 6537903.923 | -2062691.825 | 441633.510 | 2006.570 | -2.277 | 0.227579 | 0.574754 | -0.762738 | 0.692002 | -0.643390 |
| 1290.0000 | 3.228526  | -17.825423 | 503728.741 | 6537903.923 | -2057741.825 | 441633.510 | 2017.317 | -2.326 | 0.226879 | 0.575044 | -0.759861 | 0.692066 | -0.640535 |
| 1291.0000 | 3.160000  | -17.825423 | 503728.741 | 6537903.923 | -2052791.825 | 441633.510 | 2028.064 | -2.375 | 0.226179 | 0.575334 | -0.756984 | 0.692130 | -0.637680 |
| 1292.0000 | 3.091463  | -17.825423 | 503728.741 | 6537903.923 | -2047841.825 | 441633.510 | 2038.811 | -2.424 | 0.225479 | 0.575624 | -0.754107 | 0.692194 | -0.634825 |
| 1293.0000 | 3.022926  | -17.825423 | 503728.741 | 6537903.923 | -2042891.825 | 441633.510 | 2049.558 | -2.473 | 0.224779 | 0.575914 | -0.751230 | 0.692258 | -0.631970 |
| 1294.0000 | 2.954389  | -17.825423 | 503728.741 | 6537903.923 | -2037941.825 | 441633.510 | 2060.305 | -2.522 | 0.224079 | 0.576204 | -0.748353 | 0.692322 | -0.629115 |
| 1295.0000 | 2.885852  | -17.825423 | 503728.741 | 6537903.923 | -2032991.825 | 441633.510 | 2071.052 | -2.571 | 0.223379 | 0.576494 | -0.745476 | 0.692386 | -0.626260 |
| 1296.0000 | 2.817315  | -17.825423 | 503728.741 | 6537903.923 | -2028041.825 | 441633.510 | 2081.799 | -2.620 | 0.222679 | 0.576784 | -0.742599 | 0.692450 | -0.623405 |
| 1297.0000 | 2.748778  | -17.825423 | 503728.741 | 6537903.923 | -2023091.825 | 441633.510 | 2092.546 | -2.669 | 0.221979 | 0.577074 | -0.739722 | 0.692514 | -0.620550 |
| 1298.0000 | 2.680241  | -17.825423 | 503728.741 | 6537903.923 | -2018141.825 | 441633.510 | 2103.293 | -2.718 | 0.221279 | 0.577364 | -0.736845 | 0.692578 | -0.617695 |
| 1299.0000 | 2.611704  | -17.825423 | 503728.741 | 6537903.923 | -2013191.825 | 441633.510 | 2114.040 | -2.767 | 0.220579 | 0.577654 | -0.733968 | 0.692642 | -0.614840 |
| 1300.0000 | 2.543167  | -17.825423 | 503728.741 | 6537903.923 | -2008241.825 | 441633.510 | 2124.787 | -2.816 | 0.219879 | 0.577944 | -0.731091 | 0.692706 | -0.611985 |
| 1301.0000 | 2.474630  | -17.825423 | 503728.741 | 6537903.923 | -2003291.825 | 441633.510 | 2135.534 | -2.865 | 0.219179 | 0.578234 | -0.728214 | 0.692770 | -0.609130 |
| 1302.0000 | 2.406093  | -17.825423 | 503728.741 | 6537903.923 | -1998341.825 | 441633.510 | 2146.281 | -2.914 | 0.218479 | 0.578524 | -0.725337 | 0.692834 | -0.606275 |
| 1303.0000 | 2.337556  | -17.825423 | 503728.741 | 6537903.923 | -1993391.825 | 441633.510 | 2157.028 | -2.963 | 0.217779 | 0.578814 | -0.722460 | 0.692898 | -0.603420 |
| 1304.0000 | 2.269019  | -17.825423 | 503728.741 | 6537903.923 | -1988441.825 | 441633.510 | 2167.775 | -3.012 | 0.217079 | 0.579104 | -0.719583 | 0.692962 | -0.600565 |
| 1305.0000 | 2.200482  | -17.825423 | 503728.741 | 6537903.923 | -1983491.825 | 441633.510 | 2178.522 | -3.061 | 0.216379 | 0.579394 | -0.716706 | 0.693026 | -0.597710 |
| 1306.0000 | 2.131945  | -17.825423 | 503728.741 | 6537903.923 | -1978541.825 | 441633.510 | 2189.269 | -3.110 | 0.215679 | 0.579684 | -0.713829 | 0.693090 | -0.594855 |
| 1307.0000 | 2.063408  | -17.825423 | 503728.741 | 6537903.923 | -1973591.825 | 441633.510 | 2200.016 | -3.159 | 0.214979 | 0.579974 | -0.710952 | 0.693154 | -0.592000 |
| 1308.0000 | 1.994871  | -17.825423 | 503728.741 | 6537903.923 | -1968641.825 | 441633.510 | 2210.763 | -3.208 | 0.214279 | 0.580264 | -0.708075 | 0.693218 | -0.589145 |
| 1309.0000 | 1.926334  | -17.825423 | 503728.741 | 6537903.923 | -1963691.825 | 441633.510 | 2221.510 | -3.257 | 0.213579 | 0.580554 | -0.705198 | 0.693282 | -0.586290 |
| 1310.0000 | 1.857797  | -17.825423 | 503728.741 | 6537903.923 | -1958741.825 | 441633.510 | 2232.257 | -3.306 | 0.212879 | 0.580844 | -0.702321 | 0.693346 | -0.583435 |
| 1311.0000 | 1.789260  | -17.825423 | 503728.741 | 6537903.923 | -1953791.825 | 441633.510 | 2243.004 | -3.355 | 0.212179 | 0.581134 | -0.699444 | 0.693410 | -0.580580 |
| 1312.0000 | 1.720723  | -17.825423 | 503728.741 | 6537903.923 | -1948841.825 | 441633.510 | 2253.751 | -3.404 | 0.211479 | 0.581424 | -0.696544 | 0.693474 | -0.577725 |
| 1313.0000 | 1.652186  | -17.825423 | 503728.741 | 6537903.923 | -1943891.825 | 441633.510 | 2264.498 | -3.453 | 0.210779 | 0.581714 | -0.693644 | 0.693538 | -0.574870 |
| 1314.0000 | 1.583649  | -17.825423 | 503728.741 | 6537903.923 | -1938941.825 | 441633.510 | 2275.245 | -3.502 | 0.210079 | 0.582004 | -0.690744 | 0.693602 | -0.572015 |
| 1315.0000 | 1.515112  | -17.825423 | 503728.741 | 6537903.923 | -1933991.825 | 441633.510 | 2285.992 | -3.551 | 0.209379 | 0.582294 | -0.687844 | 0.693666 | -0.569160 |
| 1316.0000 | 1.446575  | -17.825423 | 503728.741 | 6537903.923 | -1929041.825 | 441633.510 | 2296.739 | -3.600 | 0.208679 | 0.582584 | -0.684944 | 0.693730 | -0.566305 |
| 1317.0000 | 1.378038  | -17.825423 | 503728.741 | 6537903.923 | -1924091.825 | 441633.510 | 2307.486 | -3.649 | 0.207979 | 0.582874 | -0.682044 | 0.693794 | -0.563450 |
| 1318.0000 | 1.309501  | -17.825423 | 503728.741 | 6537903.923 | -1919141.825 | 441633.510 | 2318.233 | -3.698 | 0.207279 | 0.583164 | -0.679144 | 0.693858 | -0.560595 |
| 1319.0000 | 1.240964  | -17.825423 | 503728.741 | 6537903.923 | -1914191.825 | 441633.510 | 2328.980 | -3.747 | 0.206579 | 0.583454 | -0.676244 | 0.693922 | -0.557740 |
| 1320.0000 | 1.172427  | -17.825423 | 503728.741 | 6537903.923 | -1909241.825 | 441633.510 | 2339.727 | -3.796 | 0.205879 | 0.583744 | -0.673344 | 0.693986 | -0.554885 |
| 1321.0000 | 1.103890  | -17.825423 | 503728.741 | 6537903.923 | -1904291.825 | 441633.510 | 2350.474 | -3.845 | 0.205179 | 0.584034 | -0.670444 | 0.694050 | -0.552030 |
| 1322.0000 | 1.035353  | -17.825423 | 503728.741 | 6537903.923 | -1899341.825 | 441633.510 | 2361.221 | -3.894 | 0.204479 | 0.584324 | -0.667544 | 0.694114 | -0.549175 |
| 1323.0000 | 0.966816  | -17.825423 | 503728.741 | 6537903.923 | -1894391.825 | 441633.510 | 2371.968 | -3.943 | 0.203779 | 0.584614 | -0.664644 | 0.694178 | -0.546320 |
| 1324.0000 | 0.898279  | -17.825423 | 503728.741 | 6537903.923 | -1889441.825 | 441633.510 | 2382.715 | -3.992 | 0.203079 | 0.584904 | -0.661744 | 0.694242 | -0.543465 |
| 1325.0000 | 0.829742  | -17.825423 | 503728.741 | 6537903.923 | -1884491.825 | 441633.510 | 2393.462 | -4.041 | 0.202379 | 0.585194 | -0.658844 | 0.694306 | -0.540610 |
| 1326.0000 | 0.761205  | -17.825423 | 503728.741 | 6537903.923 | -1879541.825 | 441633.510 | 2404.209 | -4.090 | 0.201679 | 0.585484 | -0.655944 | 0.694370 | -0.537755 |
| 1327.0000 | 0.692668  | -17.825423 | 503728.741 | 6537903.923 | -1874591.825 | 441633.510 | 2414.956 | -4.139 | 0.200979 | 0.585774 | -0.653044 | 0.694434 | -0.534900 |
| 1328.0000 | 0.624131  | -17.825423 | 503728.741 | 6537903.923 | -1869641.825 | 441633.510 | 2425.703 | -4.188 | 0.200279 | 0.586064 | -0.650144 | 0.694498 | -0.532045 |
| 1329.0000 | 0.555594  | -17.825423 | 503728.741 | 6537903.923 | -1864691.825 | 441633.510 | 2436.450 | -4.237 | 0.199579 | 0.586354 | -0.647244 | 0.694562 | -0.529190 |
| 1330.0000 | 0.487057  | -17.825423 | 503728.741 | 6537903.923 | -1859741.825 | 441633.510 | 2447.197 | -4.286 | 0.198879 | 0.586644 | -0.644344 | 0.694626 | -0.526335 |
| 1331.0000 | 0.418520  | -17.825423 | 503728.741 | 6537903.923 | -1854791.825 | 441633.510 | 2457.944 | -4.335 | 0.198179 | 0.586934 | -0.641444 | 0.694690 | -0.523480 |
| 1332.0000 | 0.350000  | -17.825423 | 503728.741 | 6537903.923 | -1849841.825 | 441633.510 | 2468.691 | -4.384 | 0.197479 | 0.587224 | -0.638544 | 0.694754 | -0.520625 |
| 1333.0000 | 0.281480  | -17.825423 | 503728.741 | 6537903.923 | -1844891.825 | 441633.510 | 2479.438 | -4.433 | 0.196779 | 0.587514 | -0.635644 | 0.694818 | -0.517770 |
| 1334.0000 | 0.212960  | -17.825423 | 503728.741 | 6537903.923 | -1839941.825 | 441633.510 | 2490.185 | -4.482 | 0.196079 | 0.587804 | -0.632744 | 0.694882 | -0.514915 |
| 1335.0000 | 0.144440  | -17.825423 | 503728.741 | 6537903.923 | -1834991.825 | 441633.510 | 2500.932 | -4.531 | 0.195379 | 0.588094 | -0.629844 | 0.694946 | -0.512060 |
| 1336.0000 | 0.075920  | -17.825423 | 503728.741 | 6537903.923 | -1830041.825 | 441633.510 | 2511.679 | -4.580 | 0.194679 | 0.588384 | -0.626944 | 0.695010 | -0.509205 |
| 1337.0000 | 0.007400  | -17.825423 | 503728.741 | 6537903.923 | -1825091.825 | 441633.510 | 2522.426 | -4.629 | 0.193979 | 0.588674 | -0.624044 | 0.695074 | -0.506350 |
| 1338.0000 | -0.061120 | -17.825423 | 503728.741 | 6537903.923 | -1820141.825 | 441633.510 | 2533.173 | -4.678 | 0.193279 | 0.588964 | -0.621144 | 0.695138 | -0.503495 |
| 1339.0000 | -0.129640 | -17.825423 | 503728.741 | 6537903.923 | -1815191.825 | 441633.510 | 2543.920 | -4.727 | 0.192579 | 0.589254 | -0.618244 | 0.695202 | -0.500640 |
| 1340.0000 | -0.200000 | -17.825423 | 503728.741 | 6537903.923 | -1810241.825 | 441633.510 | 2554.667 | -4.776 | 0.191879 | 0.589544 | -0.615344 | 0.695266 | -0.497785 |
| 1341.0000 | -0.271360 | -17.825423 | 503728.741 | 6537903.923 | -1805291.825 | 441633.510 | 2565.414 | -4.825 | 0.191179 | 0.589834 | -0.612444 | 0.695330 | -0.494930 |
| 1342.0000 | -0.342720 | -17.825423 | 503728.741 | 6537903.923 | -1800341.825 | 441633.510 | 2576.161 | -4.874 | 0.190479 | 0.590124 | -0.609544 | 0.695394 | -0.492075 |
| 1343.0000 | -0.414080 | -17.825423 | 503728.741 | 6537903.923 | -1795391.825 | 441633.510 | 2586.908 | -4.923 | 0.189779 | 0.590414 | -0.606644 | 0.695458 | -0.489220 |
| 1344.0000 | -0.48544  |            |            |             |              |            |          |        |          |          |           |          |           |

Table with 15 columns: X, Y, Z, U, V, W, A, B, C, D, E, F, G, H, I. Contains trajectory data for various time steps from 1464.5950 to 1616.8824.

Table with 10 columns of numerical data, likely representing trajectory coordinates or parameters over time. The data is organized in a grid-like structure with rows and columns of values.

Table with 15 columns containing numerical data points, likely representing trajectory coordinates and values over time. The data is organized in a grid-like structure with rows and columns of numbers.