X Y data plot when rotating the compass about the Z axis



X Y data when rotating the compass about the Z axis

 X Y Z

|  |  |  |
| --- | --- | --- |
| -26 | -173 | 575 |
| -26 | -173 | 572 |
| -26 | -172 | 571 |
| -29 | -171 | 573 |
| -26 | -174 | 573 |
| -28 | -172 | 571 |
| -28 | -172 | 571 |
| -30 | -178 | 571 |
| -40 | -191 | 571 |
| -49 | -197 | 572 |
| -57 | -203 | 570 |
| -66 | -215 | 573 |
| -74 | -216 | 574 |
| -76 | -221 | 576 |
| -84 | -228 | 571 |
| -84 | -230 | 570 |
| -87 | -233 | 572 |
| -100 | -227 | 579 |
| -100 | -224 | 578 |
| -107 | -234 | 578 |
| -115 | -241 | 573 |
| -127 | -249 | 571 |
| 111 | -513 | 574 |
| 102 | -519 | 573 |
| 89 | -525 | 573 |
| 80 | -525 | 576 |
| 72 | -531 | 575 |
| 72 | -531 | 575 |
| 54 | -535 | 576 |
| 46 | -538 | 575 |
| 37 | -535 | 573 |
| 17 | -544 | 573 |
| 4 | -543 | 571 |
| -263 | -545 | 573 |
| -263 | -545 | 573 |
| -284 | -541 | 571 |
| -292 | -541 | 574 |
| -313 | -534 | 571 |
| -320 | -535 | 571 |
| -332 | -529 | 571 |
| -347 | -526 | 570 |
| -347 | -526 | 570 |
| -363 | -521 | 568 |
| -371 | -518 | 569 |
| -130 | -254 | 567 |
| -133 | -255 | 566 |
| -132 | -514 | 562 |
| -129 | -523 | 562 |
| -129 | -523 | 562 |
| -380 | -532 | 559 |
| -384 | -237 | 571 |
| -135 | -237 | 570 |
| -146 | -244 | 567 |
| -147 | -253 | 564 |
| -138 | -514 | 564 |
| -381 | -523 | 564 |
| -134 | -524 | 560 |
| -149 | -525 | 556 |
| -177 | -519 | 551 |
| -175 | -245 | 557 |
| -183 | -236 | 561 |
| -186 | -248 | 553 |
| -191 | -254 | 548 |
| -189 | -246 | 551 |
| -191 | -244 | 553 |
| -196 | -239 | 552 |
| -201 | -234 | 553 |
| -201 | -218 | 560 |
| -166 | -224 | 569 |
| -163 | -244 | 563 |
| -161 | -256 | 559 |
| -158 | -240 | 566 |
| -168 | -236 | 564 |
| -182 | -223 | 564 |
| -194 | -210 | 564 |
| -208 | -192 | 567 |
| -217 | -181 | 564 |
| -221 | -167 | 567 |
| -229 | -158 | 565 |
| -233 | -147 | 568 |
| -237 | -137 | 568 |
| -243 | -381 | 569 |
| -244 | -370 | 569 |
| -249 | -357 | 568 |
| -255 | -337 | 568 |
| -515 | -324 | 571 |
| -520 | -306 | 573 |
| -522 | -297 | 572 |
| -527 | -283 | 571 |
| -531 | -266 | 569 |
| -529 | 16 | 571 |
| -531 | 28 | 568 |
| -530 | 42 | 568 |
| -529 | 61 | 569 |
| -533 | 68 | 567 |
| -530 | 83 | 566 |
| -528 | 92 | 568 |
| -524 | 107 | 564 |
| -522 | 112 | 569 |
| -514 | 122 | 569 |
| -253 | -122 | 570 |
| -252 | -112 | 571 |
| -244 | -95 | 570 |
| -243 | -92 | 570 |
| -246 | -91 | 570 |
| -243 | -92 | 571 |
| -241 | -94 | 570 |
| -228 | -79 | 573 |
| -224 | -71 | 571 |
| -221 | -68 | 571 |
| -213 | -55 | 576 |
| -213 | -55 | 576 |
| -177 | -27 | 575 |
| -180 | -25 | 577 |
| -177 | -23 | 576 |
| -176 | -24 | 577 |
| -169 | -16 | 577 |
| -170 | -13 | 579 |
| -170 | -13 | 579 |
| -161 | -10 | 576 |
| -153 | -4 | 578 |
| -147 | 260 | 576 |
| -144 | 265 | 576 |
| -135 | 268 | 575 |
| -381 | 274 | 574 |
| -376 | 277 | 574 |
| -374 | 279 | 576 |
| -359 | 284 | 577 |
| -343 | 294 | 577 |
| -336 | 297 | 575 |
| -334 | 295 | 580 |
| -330 | 297 | 576 |
| -324 | 299 | 579 |
| -325 | 298 | 581 |
| -324 | 299 | 580 |
| -321 | 298 | 576 |
| -317 | 299 | 579 |
| -318 | 299 | 576 |
| -318 | 299 | 576 |
| 19 | 295 | 579 |
| 38 | 304 | 576 |
| -278 | 318 | 571 |
| -288 | 314 | 578 |
| -289 | 312 | 577 |
| -303 | 306 | 577 |
| -268 | 305 | 579 |
| 1 | 303 | 580 |
| 15 | 302 | 580 |
| 21 | 301 | 584 |
| 34 | 294 | 584 |
| 40 | 295 | 582 |
| 55 | 289 | 584 |
| 64 | 284 | 583 |
| 71 | 285 | 582 |
| 77 | 280 | 583 |
| 89 | 272 | 585 |
| 104 | 268 | 584 |
| 107 | 267 | 588 |
| 99 | 266 | 589 |
| 116 | -2 | 592 |
| -127 | -10 | 589 |
| -120 | -14 | 589 |
| -121 | -18 | 590 |
| -123 | -17 | 590 |
| -119 | -18 | 591 |
| -119 | -18 | 591 |
| -115 | -24 | 590 |
| -113 | -21 | 590 |
| -113 | -22 | 595 |
| -114 | -24 | 589 |
| -115 | -20 | 591 |
| -115 | -18 | 590 |
| -115 | -18 | 590 |
| -103 | -24 | 590 |
| -95 | -31 | 591 |
| -89 | -40 | 591 |
| -84 | -45 | 587 |
| -76 | -50 | 591 |
| -68 | -60 | 589 |
| -57 | -68 | 593 |
| -57 | -78 | 590 |
| -53 | -86 | 591 |
| -47 | -87 | 589 |
| -43 | -90 | 594 |
| -40 | -103 | 589 |
| -31 | -111 | 589 |
| -25 | -119 | 591 |
| -22 | -128 | 590 |
| -11 | 118 | 588 |
| -8 | 104 | 588 |
| -7 | 104 | 590 |
| -2 | 103 | 588 |
| -1 | 101 | 587 |
| 257 | 102 | 584 |
| 260 | 99 | 585 |
| 332 | 93 | 553 |
| 268 | 88 | 582 |
| 259 | 84 | 583 |
| 260 | 82 | 587 |
| 260 | 82 | 587 |
| 257 | 62 | 590 |
| 256 | 52 | 590 |
| 257 | 45 | 590 |
| 258 | 29 | 592 |
| 257 | 19 | 593 |
| -1 | 11 | 592 |
| -3 | 7 | 596 |
| -1 | -263 | 597 |
| -3 | -268 | 597 |
| -1 | -278 | 596 |
| -2 | -287 | 595 |
| -5 | -298 | 594 |
| -10 | -304 | 595 |
| -4 | -314 | 593 |
| -7 | -331 | 591 |
| -15 | -350 | 594 |
| -19 | -356 | 594 |
| -24 | -364 | 593 |
| -26 | -373 | 594 |
| -29 | -382 | 598 |
| -28 | -133 | 594 |
| -38 | -137 | 597 |
| -34 | -139 | 596 |
| -34 | -140 | 598 |
| -32 | -138 | 594 |
| -33 | -137 | 593 |
| -33 | -137 | 593 |
| -41 | -148 | 593 |
| -43 | -154 | 594 |
| -45 | -155 | 594 |
| -51 | -164 | 593 |
| -43 | -163 | 595 |
| -49 | -166 | 593 |
| -57 | -172 | 593 |
| -62 | -181 | 591 |
| -65 | -179 | 595 |
| -62 | -182 | 593 |
| -74 | -187 | 596 |
| -78 | -189 | 593 |
| -72 | -190 | 595 |
| -78 | -200 | 592 |
| -85 | -206 | 591 |
| -90 | -219 | 590 |
| -102 | -226 | 588 |
| -104 | -231 | 587 |
| -111 | -232 | 586 |
| -115 | -239 | 585 |
| -115 | -241 | 590 |
| -118 | -242 | 585 |
| -119 | -244 | 585 |
| -118 | -244 | 588 |
| -122 | -245 | 587 |
| -122 | -248 | 587 |
| -122 | -248 | 587 |
| -120 | -252 | 584 |
| -124 | -251 | 584 |
| -123 | -249 | 585 |
| -121 | -251 | 585 |
| -123 | -237 | 588 |
| -115 | -235 | 586 |
| 123 | -230 | 591 |
| 118 | -227 | 595 |
| 114 | -230 | 594 |
| 118 | -236 | 593 |
| 116 | -240 | 590 |
| 110 | -251 | 590 |
| 110 | -253 | 590 |
| 108 | -252 | 592 |
| 109 | -521 | 583 |
| 110 | -520 | 582 |
| 98 | -525 | 582 |
| 98 | -525 | 583 |
| 100 | -525 | 581 |
| 94 | -528 | 583 |
| 96 | -529 | 579 |
| 90 | -530 | 579 |
| 90 | -531 | 580 |
| 86 | -530 | 583 |
| 83 | -536 | 582 |
| 77 | -534 | 579 |
| 77 | -534 | 579 |
| 72 | -539 | 579 |
| 70 | -538 | 579 |
| 71 | -542 | 577 |
| 67 | -541 | 580 |
| 67 | -543 | 580 |
| 64 | -543 | 578 |
| 62 | -542 | 579 |
| 57 | -545 | 581 |
| 56 | -545 | 576 |
| 53 | -545 | 577 |
| 46 | -549 | 575 |
| 42 | -550 | 576 |
| 32 | -553 | 575 |
| 37 | -552 | 576 |
| 31 | -550 | 576 |
| 31 | -550 | 575 |
| 24 | -554 | 577 |
| 25 | -554 | 576 |
| 16 | -555 | 576 |
|   |  |  |

X Y Z data plot when rotating the compass about all axis



X Y Z data when rotating the compass about all axis

 X Y Z

|  |  |  |
| --- | --- | --- |
| -130 | -378 | 541 |
| -366 | -379 | 548 |
| -160 | -180 | 523 |
| -193 | -227 | 235 |
| -155 | -150 | 530 |
| -203 | -335 | 525 |
| -251 | -330 | 250 |
| -256 | 17 | 248 |
| -526 | 55 | 239 |
| -564 | 17 | 222 |
| -191 | 117 | 523 |
| -196 | -115 | 518 |
| -144 | -82 | 522 |
| -140 | -53 | 517 |
| -358 | -36 | 521 |
| -335 | 256 | 254 |
| -296 | -29 | 525 |
| -291 | -40 | 527 |
| -269 | -37 | 529 |
| 23 | -50 | 528 |
| 51 | -58 | 526 |
| 82 | -72 | 529 |
| 120 | -102 | 532 |
| -119 | -111 | 527 |
| -93 | 123 | 526 |
| -74 | 93 | 524 |
| -75 | 93 | 522 |
| -41 | 29 | 522 |
| -41 | 29 | 522 |
| -31 | -280 | 518 |
| -19 | -309 | 516 |
| -13 | -356 | 249 |
| -11 | -132 | 244 |
| -18 | -149 | 241 |
| -18 | -177 | 237 |
| -22 | -197 | 233 |
| -56 | -218 | 242 |
| -92 | -237 | 247 |
| -98 | -227 | 252 |
| -104 | -230 | 250 |
| -118 | -240 | 252 |
| -119 | -517 | 246 |
| 123 | -524 | 243 |
| 117 | -522 | 251 |
| 79 | -545 | 245 |
| 39 | -513 | 516 |
| -261 | -220 | 528 |
| -269 | -235 | 525 |
| -283 | -224 | 528 |
| -298 | -210 | 532 |
| -318 | -233 | 521 |
| -334 | -210 | 527 |
| -349 | -198 | 528 |
| -370 | -199 | 524 |
| -130 | -206 | 519 |
| -145 | -197 | 515 |
| -164 | -187 | 512 |
| -198 | -171 | 251 |
| -208 | -142 | 253 |
| -226 | -205 | 226 |
| -531 | -306 | 236 |
| -538 | 54 | 231 |
| -531 | 95 | 230 |
| -546 | 104 | 222 |
| -539 | 63 | 230 |
| -236 | 80 | 253 |
| -199 | 124 | 516 |
| -180 | -98 | 514 |
| -157 | -83 | 519 |
| -157 | -83 | 519 |
| -155 | -49 | 251 |
| -155 | -49 | 251 |
| -325 | -55 | 527 |
| -298 | -60 | 532 |
| -280 | -81 | 537 |
| -265 | -97 | 540 |
| 24 | 119 | 551 |
| 113 | 84 | 545 |
| -103 | 65 | 536 |
| -120 | 85 | 538 |
| 120 | 101 | 537 |
| -560 | 221 | -79 |
| -468 | 324 | 72 |
| -505 | -68 | -157 |
| -556 | -308 | -456 |
| -385 | 115 | -629 |
| -521 | 235 | -181 |
| -56 | 521 | -174 |
| 549 | 99 | -285 |
| 14 | 235 | 318 |
| -194 | 186 | 327 |
| -591 | -329 | 186 |
| -234 | -335 | 247 |
| -218 | -321 | 514 |
| -246 | -383 | 231 |
| -228 | -530 | 187 |
| -224 | -584 | 153 |
| -231 | -404 | 346 |
| -235 | -457 | 279 |
| -219 | -492 | -17 |
| -219 | -796 | 121 |
| -203 | -815 | 64 |
| -196 | -822 | 6 |
| -194 | -811 | -324 |
| -186 | -799 | -148 |
| -205 | -500 | -227 |
| -184 | -470 | -543 |
| -164 | -447 | -585 |
| -172 | -440 | -587 |
| -208 | -572 | -414 |
| -208 | -572 | -414 |
| -196 | -379 | -496 |
| -196 | -379 | -496 |
| -198 | 74 | -506 |
| -193 | -116 | -495 |
| -195 | -70 | -483 |
| -203 | 278 | -444 |
| -191 | 282 | -443 |
| -184 | 335 | -416 |
| -193 | 141 | -623 |
| -193 | 163 | -597 |
| -196 | 190 | -568 |
| -205 | 224 | -518 |
| -199 | 515 | -209 |
| -202 | 541 | -134 |
| -191 | 559 | -322 |
| -203 | 558 | 43 |
| -218 | 546 | 79 |
| -219 | 527 | -82 |
| -211 | 248 | -26 |
| -223 | 219 | 267 |
| -221 | 196 | 296 |
| -200 | 156 | 359 |
| -179 | 135 | 382 |
| -182 | 358 | 155 |
| -190 | 333 | 167 |
| -221 | -3 | 199 |
| -203 | -37 | 222 |
| -175 | -85 | 249 |
| -194 | 98 | 513 |
| -212 | 14 | 514 |
| -212 | -312 | 253 |
| -229 | -164 | 224 |
| -230 | -235 | 198 |
| -215 | -598 | 149 |
| -203 | -397 | 371 |
| -187 | -477 | 289 |
| -203 | -466 | 286 |
| -577 | -364 | 183 |
| -399 | -305 | 379 |
| -488 | -317 | -16 |
| -783 | -311 | 119 |
| -793 | -343 | 20 |
| -791 | -310 | -323 |
| -486 | -287 | -239 |
| -416 | -277 | -599 |
| -577 | 42 | -433 |
| -240 | -258 | -483 |
| -178 | 22 | -511 |
| -178 | 22 | -511 |
| -276 | -293 | -802 |
| -276 | -293 | -802 |
| -85 | -303 | -777 |
| -27 | -317 | -502 |
| 294 | -329 | -470 |
| 349 | -306 | -432 |
| 369 | -278 | -413 |
| 152 | -258 | -638 |
| 161 | 5 | -628 |
| 180 | -266 | -612 |
| 200 | -278 | -582 |
| 251 | -286 | -242 |
| 542 | -293 | -139 |
| 554 | -319 | -283 |
| 560 | -319 | 26 |
| 546 | -301 | -126 |
| 519 | -290 | -35 |
| 236 | -284 | 267 |
| 186 | -338 | 340 |
| 129 | -320 | 145 |
| 324 | -346 | 194 |
| -16 | -339 | 240 |
| -65 | -380 | 255 |
| 104 | -319 | 543 |
| 75 | -374 | 542 |
| -279 | -348 | 548 |
| -297 | -306 | 551 |
| -293 | -383 | 544 |
| -342 | -312 | 548 |
| -155 | -309 | 532 |
| -200 | -325 | 515 |
| -515 | -382 | 222 |
| -598 | -149 | 162 |
| -426 | -368 | 336 |
| -442 | -138 | 303 |
| -478 | -175 | -43 |
| -504 | -199 | 94 |
| -781 | -129 | -278 |
| -783 | -379 | -311 |
| -776 | -310 | -137 |
| -504 | -309 | -198 |
| -489 | -284 | -234 |
| -440 | 18 | -570 |
| -406 | 51 | -614 |
| -406 | 51 | -614 |
| -548 | 81 | -451 |
| -548 | 81 | -451 |
| -196 | 71 | -502 |
| -380 | 59 | -783 |
| -257 | 4 | -802 |
| 100 | -361 | -790 |
| -73 | -134 | -509 |
| -75 | -346 | -774 |
| -115 | -85 | -506 |
| 86 | 376 | -413 |
| 98 | 197 | -598 |
| 56 | 231 | -569 |
| 39 | 541 | -227 |
| 87 | 571 | -375 |
| 84 | 587 | 32 |
| 87 | 554 | -84 |
| -126 | 243 | 269 |
| -92 | 141 | 377 |
| -107 | -20 | 228 |
| -73 | 124 | 252 |
| -53 | 74 | 255 |
| -59 | -307 | 517 |
| -45 | -165 | 240 |
| -25 | -552 | 179 |
| 290 | -409 | 308 |
| 342 | -419 | -9 |
| 368 | -437 | -79 |
| 129 | -444 | 125 |
| 370 | -478 | 57 |
| 276 | -806 | -274 |
| 263 | -813 | -301 |
| 86 | -798 | -244 |
| -23 | -407 | -612 |
| -70 | -232 | -481 |
| -117 | -328 | -786 |
| -93 | -273 | -781 |
| -69 | 63 | -774 |
| -97 | 113 | -773 |
| -97 | 113 | -773 |
| 31 | 317 | -460 |
| 31 | 317 | -460 |
| -195 | 85 | -500 |
| -132 | -559 | -446 |
| 125 | -773 | -529 |
| 360 | -468 | -377 |
| 175 | -415 | -290 |
| 250 | -243 | -121 |
| 187 | 56 | 328 |
| -59 | 329 | 154 |
| 67 | 179 | 371 |
| -280 | 255 | 289 |
| -210 | 542 | -118 |
| -602 | 212 | -332 |
| -397 | 339 | -223 |
| -397 | -258 | -624 |
| -529 | -591 | -607 |
| 64 | -496 | -574 |
| 321 | -434 | -255 |
| 216 | -545 | -179 |
| 559 | -304 | -288 |
| 223 | -20 | -95 |
| 259 | 132 | 324 |
| 83 | 315 | 204 |
| -193 | 295 | 189 |
| -399 | -39 | 333 |
| -442 | -61 | 288 |
| -421 | -23 | 294 |
| -798 | -260 | -290 |
| -412 | -338 | -594 |
| -579 | -334 | -429 |
| -222 | -136 | -478 |
| -563 | -156 | -423 |
| -406 | -334 | -606 |
| -640 | 33 | -635 |
| -564 | 312 | -606 |
| -248 | 352 | -621 |
| -178 | 349 | -411 |
| -228 | -51 | -465 |
| -209 | -26 | -460 |
| -129 | 267 | -471 |
| -317 | 271 | -482 |
| -284 | 259 | -493 |
| -215 | -34 | -456 |
| -215 | -34 | -456 |
| -461 | 293 | -133 |
| -487 | -12 | -117 |
| -617 | -36 | 375 |
| -245 | -89 | 218 |
| -9 | 49 | 238 |
| 311 | -66 | 162 |
| 141 | 340 | -41 |
| -61 | 516 | -73 |
| 34 | 594 | -307 |
| -329 | 219 | -581 |
| -226 | -81 | -468 |
| -226 | -81 | -468 |
| -367 | -403 | -639 |
| 319 | -437 | -248 |
| 196 | -631 | -328 |
| 524 | -209 | 109 |
| 189 | -351 | 332 |
| -21 | -356 | 241 |
| -289 | -265 | 549 |
| -618 | -97 | 137 |
|  |  |  |
|   |  |  |