|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.60 | 0.150 | 0.562 | 0.288 | 0.303 | NA | NA | NA | 1.50 | Up | No | 1 | 0.16 | -0.0206 |
| **A2** | -1.050 | 0.600 | 0.69 | 0.108 | 0.724 | 0.269 | 0.382 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0893 | 0.000658 |
| **A3** | -1.050 | 0.300 | 1.45 | 0.111 | 1.520 | 0.535 | 0.508 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0739 | -0.00667 |
| **A4** | -1.050 | 0.000 | 1.90 | 0.587 | 1.390 | 0.573 | 0.605 | NA | NA | NA | 1.50 | Up | No | 1 | 0.161 | -0.335 |
| **A5** | -1.050 | -0.300 | 1.27 | 0.550 | 0.963 | 0.532 | 0.636 | NA | NA | NA | 1.50 | Up | No | 1 | 0.196 | -0.298 |
| **A6** | -1.050 | -0.400 | 1.02 | 0.518 | 0.855 | 0.457 | 0.582 | NA | NA | NA | 1.50 | Up | No | 1 | 0.106 | -0.267 |
| **B1** | -0.525 | 0.750 | 0.61 | 0.116 | 0.437 | 0.422 | 0.364 | NA | NA | NA | 1.50 | Up | No | 1 | 0.235 | 0.008865 |
| **B2** | -0.525 | 0.600 | 1.04 | 0.425 | 1.070 | 0.417 | 0.535 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0675 | 0.181 |
| **B3** | -0.525 | 0.300 | 2.54 | 0.559 | 1.390 | 0.529 | 0.635 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0819 | 0.312 |
| **B4** | -0.525 | 0.000 | 2.17 | 0.375 | 1.300 | 0.582 | 0.502 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0746 | -0.139 |
| **B5** | -0.525 | -0.300 | 1.36 | 0.329 | 0.915 | 0.549 | 0.489 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0983 | -0.109 |
| **B6** | -0.525 | -0.400 | 1.46 | 0.404 | 0.859 | 0.544 | 0.513 | NA | NA | NA | 1.50 | Up | No | 1 | 0.155 | -0.162 |
| **C1** | 0.000 | 0.750 | 0.50 | 0.101 | 0.291 | 0.400 | 0.243 | NA | NA | NA | 1.50 | Up | No | 1 | 0.103 | -0.00865 |
| **C2** | 0.000 | 0.600 | 0.49 | 0.050 | 0.254 | 0.420 | 0.265 | NA | NA | NA | 1.50 | Up | No | 1 | 0.121 | -0.00229 |
| **C3** | 0.000 | 0.300 | 0.85 | 0.287 | 0.811 | 0.425 | 0.436 | NA | NA | NA | 1.50 | Up | No | 1 | 0.104 | 0.0819 |
| **C4** | 0.000 | 0.000 | 2.96 | 0.688 | 1.910 | 0.526 | 0.609 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0943 | 0.47 |
| **C5** | 0.000 | -0.300 | 3.40 | 0.366 | 1.040 | 0.668 | 0.670 | NA | NA | NA | 1.50 | Up | No | 1 | 0.107 | -0.131 |
| **C6** | 0.000 | -0.400 | 3.24 | 0.471 | 1.040 | 0.578 | 0.614 | NA | NA | NA | 1.50 | Up | No | 1 | 0.177 | -0.214 |
| **D1** | 0.525 | 0.750 | 0.66 | 0.208 | 0.356 | 0.555 | 0.361 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0434 | 0.01 |
| **D2** | 0.525 | 0.600 | 0.77 | 0.127 | 0.789 | 0.422 | 0.431 | NA | NA | NA | 1.50 | Up | No | 1 | 0.124 | -0.00896 |
| **D3** | 0.525 | 0.300 | 1.84 | 0.522 | 1.650 | 0.542 | 0.557 | NA | NA | NA | 1.50 | Up | No | 1 | 0.179 | 0.265 |
| **D4** | 0.525 | 0.000 | 3.02 | 0.388 | 1.150 | 0.575 | 0.602 | NA | NA | NA | 1.50 | Up | No | 1 | 0.093 | -0.139 |
| **D5** | 0.525 | -0.300 | 2.41 | 0.598 | 0.934 | 0.499 | 0.631 | NA | NA | NA | 1.50 | Up | No | 1 | 0.135 | -0.356 |
| **D6** | 0.525 | -0.400 | 2.02 | 0.643 | 1.030 | 0.487 | 0.626 | NA | NA | NA | 1.50 | Up | No | 1 | 0.123 | -0.413 |
| **E1** | 1.050 | 0.750 | 0.80 | 0.271 | 0.446 | 0.437 | 0.393 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0624 | -0.042 |
| **E2** | 1.050 | 0.600 | 0.95 | 0.165 | 0.339 | 0.491 | 0.419 | NA | NA | NA | 1.50 | Up | No | 1 | 0.1 | -0.00564 |
| **E3** | 1.050 | 0.300 | 1.17 | 0.357 | 0.985 | 0.488 | 0.554 | NA | NA | NA | 1.50 | Up | No | 1 | 0.129 | 0.123 |
| **E4** | 1.050 | 0.000 | 1.38 | 0.382 | 1.100 | 0.456 | 0.527 | NA | NA | NA | 1.50 | Up | No | 1 | 0.1 | -0.144 |
| **E5** | 1.050 | -0.300 | 0.62 | 0.198 | 0.561 | 0.302 | 0.350 | NA | NA | NA | 1.50 | Up | No | 1 | 0.0894 | -0.0367 |
| **E6** | 1.050 | -0.400 | 0.52 | 0.096 | 0.447 | 0.261 | 0.267 | NA | NA | NA | 1.50 | Up | No | 1 | 0.12 | -0.00546 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.67 | 0.203 | 0.654 | 0.273 | 0.414 | NA | NA | NA | 4.20 | Down | No | 1 | 0.137 | 0.0398 |
| **A2** | -1.050 | 0.600 | 0.69 | 0.155 | 0.702 | 0.242 | 0.405 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0547 | 0.0238 |
| **A3** | -1.050 | 0.300 | 0.91 | 0.238 | 0.843 | 0.333 | 0.414 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0586 | 0.0549 |
| **A4** | -1.050 | 0.000 | 0.87 | 0.042 | 0.842 | 0.308 | 0.382 | NA | NA | NA | 4.20 | Down | No | 1 | 0.11 | -0.00126 |
| **A5** | -1.050 | -0.300 | 0.97 | 0.163 | 0.841 | 0.333 | 0.354 | NA | NA | NA | 4.20 | Down | No | 1 | 0.119 | -0.0267 |
| **A6** | -1.050 | -0.400 | 0.80 | 0.120 | 0.758 | 0.304 | 0.35 | NA | NA | NA | 4.20 | Down | No | 1 | 0.159 | -0.0143 |
| **B1** | -0.525 | 0.750 | 0.98 | 0.288 | 0.839 | 0.426 | 0.437 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0988 | 0.0807 |
| **B2** | -0.525 | 0.600 | 1.14 | 0.307 | 0.879 | 0.437 | 0.437 | NA | NA | NA | 4.20 | Down | No | 1 | 0.101 | 0.0903 |
| **B3** | -0.525 | 0.300 | 1.29 | 0.232 | 0.922 | 0.415 | 0.42 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0681 | 0.0503 |
| **B4** | -0.525 | 0.000 | 1.50 | 0.145 | 0.900 | 0.444 | 0.385 | NA | NA | NA | 4.20 | Down | No | 1 | 0.111 | -0.0169 |
| **B5** | -0.525 | -0.300 | 1.41 | 0.242 | 0.906 | 0.450 | 0.381 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0629 | -0.0588 |
| **B6** | -0.525 | -0.400 | 1.55 | 0.274 | 0.870 | 0.428 | 0.373 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0445 | -0.0753 |
| **C1** | 0.000 | 0.750 | 1.15 | 0.286 | 1.000 | 0.396 | 0.43 | NA | NA | NA | 4.20 | Down | No | 1 | 0.434 | 0.0804 |
| **C2** | 0.000 | 0.600 | 1.18 | 0.267 | 0.918 | 0.422 | 0.413 | NA | NA | NA | 4.20 | Down | No | 1 | 0.244 | 0.0687 |
| **C3** | 0.000 | 0.300 | 1.56 | 0.237 | 0.938 | 0.459 | 0.42 | NA | NA | NA | 4.20 | Down | No | 1 | 0.134 | 0.0534 |
| **C4** | 0.000 | 0.000 | 1.84 | 0.126 | 0.772 | 0.445 | 0.391 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0607 | -0.0156 |
| **C5** | 0.000 | -0.300 | 1.75 | 0.239 | 0.841 | 0.450 | 0.371 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0974 | -0.0573 |
| **C6** | 0.000 | -0.400 | 1.58 | 0.226 | 0.863 | 0.435 | 0.353 | NA | NA | NA | 4.20 | Down | No | 1 | 0.16 | -0.0512 |
| **D1** | 0.525 | 0.750 | 0.85 | 0.206 | 0.772 | 0.357 | 0.423 | NA | NA | NA | 4.20 | Down | No | 1 | 0.101 | 0.041 |
| **D2** | 0.525 | 0.600 | 0.99 | 0.250 | 0.849 | 0.385 | 0.428 | NA | NA | NA | 4.20 | Down | No | 1 | 0.176 | 0.0608 |
| **D3** | 0.525 | 0.300 | 1.27 | 0.243 | 0.886 | 0.419 | 0.41 | NA | NA | NA | 4.20 | Down | No | 1 | 0.101 | 0.0581 |
| **D4** | 0.525 | 0.000 | 1.61 | 0.057 | 0.876 | 0.450 | 0.401 | NA | NA | NA | 4.20 | Down | No | 1 | 0.252 | 0.00318 |
| **D5** | 0.525 | -0.300 | 1.60 | 0.208 | 0.875 | 0.462 | 0.393 | NA | NA | NA | 4.20 | Down | No | 1 | 0.135 | -0.04 |
| **D6** | 0.525 | -0.400 | 1.50 | 0.204 | 0.862 | 0.442 | 0.4015 | NA | NA | NA | 4.20 | Down | No | 1 | 0.159 | -0.0391 |
| **E1** | 1.050 | 0.750 | 0.60 | 0.083 | 0.374 | 0.362 | 0.354 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0786 | -0.00619 |
| **E2** | 1.050 | 0.600 | 0.57 | 0.110 | 0.357 | 0.392 | 0.346 | NA | NA | NA | 4.20 | Down | No | 1 | 0.118 | -0.00818 |
| **E3** | 1.050 | 0.300 | 0.74 | 0.153 | 0.630 | 0.321 | 0.396 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0517 | 0.0233 |
| **E4** | 1.050 | 0.000 | 0.80 | 0.100 | 0.657 | 0.336 | 0.378 | NA | NA | NA | 4.20 | Down | No | 1 | 0.118 | 0.00873 |
| **E5** | 1.050 | -0.300 | 1.02 | 0.066 | 0.738 | 0.414 | 0.401 | NA | NA | NA | 4.20 | Down | No | 1 | 0.086 | -0.00292 |
| **E6** | 1.050 | -0.400 | 0.84 | 0.126 | 0.640 | 0.395 | 0.38 | NA | NA | NA | 4.20 | Down | No | 1 | 0.0684 | -0.00691 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.50 | 0.109 | 0.275 | 0.266 | 0.26 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.122 | 0.0117 |
| **A2** | -1.050 | 0.600 | 0.55 | 0.090 | 0.287 | 0.342 | 0.297 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.0591 | 0.00668 |
| **A3** | -1.050 | 0.300 | 1.25 | 0.278 | 0.983 | 0.854 | 0.475 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.119 | -0.0591 |
| **A4** | -1.050 | 0.000 | 1.40 | 0.536 | 1.110 | 0.872 | 0.534 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.274 | -0.223 |
| **A5** | -1.050 | -0.300 | 1.18 | 0.603 | 0.942 | 0.575 | 0.718 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.219 | -0.348 |
| **A6** | -1.050 | -0.400 | 1.02 | 0.534 | 0.879 | 0.471 | 0.703 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.0687 | -0.283 |
| **B1** | -0.525 | 0.750 | 0.59 | 0.122 | 0.294 | 0.359 | 0.278 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.205 | 0.0149 |
| **B2** | -0.525 | 0.600 | 0.84 | 0.245 | 0.507 | 0.496 | 0.373 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.14125 | 0.0505 |
| **B3** | -0.525 | 0.300 | 2.60 | 0.494 | 1.160 | 0.493 | 0.577 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.282 | 0.242 |
| **B4** | -0.525 | 0.000 | 2.97 | 0.456 | 1.250 | 0.654 | 0.53 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.145 | -0.205 |
| **B5** | -0.525 | -0.300 | 1.75 | 0.624 | 0.983 | 0.620 | 0.643 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.0837 | -0.389 |
| **B6** | -0.525 | -0.400 | 1.63 | 0.615 | 0.955 | 0.618 | 0.65 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.244 | -0.378 |
| **C1** | 0.000 | 0.750 | 0.53 | 0.106 | 0.283 | 0.357 | 0.276 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.201 | -0.00677 |
| **C2** | 0.000 | 0.600 | 0.89 | 0.166 | 0.791 | 0.365 | 0.291 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.171 | 0.0241 |
| **C3** | 0.000 | 0.300 | 0.81 | 0.288 | 0.613 | 0.404 | 0.415 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.11 | 0.0782 |
| **C4** | 0.000 | 0.000 | 2.60 | 0.549 | 1.500 | 0.521 | 0.521 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.174 | 0.296 |
| **C5** | 0.000 | -0.300 | 3.39 | 0.457 | 1.060 | 0.689 | 0.64 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.11 | -0.207 |
| **C6** | 0.000 | -0.400 | 3.28 | 0.449 | 0.931 | 0.658 | 0.657 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.115 | -0.201 |
| **D1** | 0.525 | 0.750 | 0.90 | 0.204 | 0.718 | 0.459 | 0.465 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.142 | 0.00721 |
| **D2** | 0.525 | 0.600 | 1.24 | 0.332 | 1.350 | 0.323 | 0.522 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.141 | -0.11 |
| **D3** | 0.525 | 0.300 | 2.62 | 0.420 | 1.850 | 0.585 | 0.511 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.146 | 0.17 |
| **D4** | 0.525 | 0.000 | 3.24 | 0.391 | 0.871 | 0.476 | 0.573 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.21 | -0.146 |
| **D5** | 0.525 | -0.300 | 2.29 | 0.516 | 0.902 | 0.476 | 0.573 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.151 | -0.264 |
| **D6** | 0.525 | -0.400 | 1.73 | 0.396 | 0.934 | 0.468 | 0.499 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.122 | -0.155 |
| **E1** | 1.050 | 0.750 | 0.63 | 0.192 | 0.308 | 0.383 | 0.357 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.229 | -0.00674 |
| **E2** | 1.050 | 0.600 | 0.76 | 0.232 | 0.559 | 0.432 | 0.407 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.183 | -0.054 |
| **E3** | 1.050 | 0.300 | 0.94 | 0.318 | 0.955 | 0.354 | 0.357 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.153 | 0.1 |
| **E4** | 1.050 | 0.000 | 0.52 | 0.105 | 0.334 | 0.299 | 0.304 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.147 | -0.0105 |
| **E5** | 1.050 | -0.300 | 0.64 | 0.057 | 0.456 | 0.204 | 0.185 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.259 | -0.00327 |
| **E6** | 1.050 | -0.400 | 0.54 | 0.050 | 0.450 | 0.173 | 0.176 | 74-80 | 5 | 0.01-0.02 | 1.50 | Up | Yes | 1 | 0.135 | -0.00214 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.56 | 0.077 | 0.280 | 0.247 | 0.2 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.14 | -0.00253 |
| **A2** | -1.050 | 0.600 | 0.57 | 0.078 | 0.277 | 0.240 | 0.206 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0564 | -0.00236 |
| **A3** | -1.050 | 0.300 | 0.48 | 0.057 | 0.249 | 0.315 | 0.265 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.133 | -0.00037 |
| **A4** | -1.050 | 0.000 | 0.52 | 0.092 | 0.506 | 0.225 | 0.288 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0944 | -0.00788 |
| **A5** | -1.050 | -0.300 | 0.81 | 0.075 | 0.673 | 0.263 | 0.33 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.102 | 0.00327 |
| **A6** | -1.050 | -0.400 | 0.93 | 0.085 | 0.669 | 0.264 | 0.338 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0961 | 0.00558 |
| **B1** | -0.525 | 0.750 | 0.62 | 0.085 | 0.207 | 0.273 | 0.212 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.106 | 0.00464 |
| **B2** | -0.525 | 0.600 | 0.62 | 0.073 | 0.262 | 0.263 | 0.21 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.165 | 0.00509 |
| **B3** | -0.525 | 0.300 | 0.65 | 0.070 | 0.254 | 0.216 | 0.201 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0841 | 0.00404 |
| **B4** | -0.525 | 0.000 | 0.45 | 0.071 | 0.317 | 0.214 | 0.209 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0596 | -0.00379 |
| **B5** | -0.525 | -0.300 | 0.33 | 0.054 | 0.164 | 0.276 | 0.215 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.382 | -0.0028 |
| **B6** | -0.525 | -0.400 | 0.33 | 0.058 | 0.199 | 0.259 | 0.211 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.123 | -0.00316 |
| **C1** | 0.000 | 0.750 | 0.60 | 0.108 | 0.282 | 0.260 | 0.245 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.181 | 0.0056 |
| **C2** | 0.000 | 0.600 | 0.61 | 0.106 | 0.305 | 0.256 | 0.24 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.092 | 0.0075 |
| **C3** | 0.000 | 0.300 | 0.60 | 0.098 | 0.297 | 0.235 | 0.231 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.239 | 0.00914 |
| **C4** | 0.000 | 0.000 | 0.43 | 0.056 | 0.314 | 0.198 | 0.197 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.252 | 0.00294 |
| **C5** | 0.000 | -0.300 | 0.29 | 0.032 | 0.159 | 0.226 | 0.188 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.235 | -0.000225 |
| **C6** | 0.000 | -0.400 | 0.32 | 0.055 | 0.213 | 0.198 | 0.197 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.102 | -0.003 |
| **D1** | 0.525 | 0.750 | 0.43 | 0.154 | 0.244 | 0.310 | 0.288 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.068 | -0.0205 |
| **D2** | 0.525 | 0.600 | 0.36 | 0.102 | 0.202 | 0.276 | 0.254 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.277 | -0.01 |
| **D3** | 0.525 | 0.300 | 0.30 | 0.059 | 0.204 | 0.231 | 0.224 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.239 | -0.00304 |
| **D4** | 0.525 | 0.000 | 0.25 | 0.049 | 0.173 | 0.182 | 0.175 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.196 | -0.00236 |
| **D5** | 0.525 | -0.300 | 0.39 | 0.063 | 0.317 | 0.186 | 0.194 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0796 | 0.00308 |
| **D6** | 0.525 | -0.400 | 0.47 | 0.088 | 0.370 | 0.202 | 0.191 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0739 | 0.00669 |
| **E1** | 1.050 | 0.750 | 1.01 | 0.294 | 1.000 | 0.249 | 0.331 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0495 | 0.0862 |
| **E2** | 1.050 | 0.600 | 1.10 | 0.233 | 0.955 | 0.304 | 0.32 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.0779 | 0.0536 |
| **E3** | 1.050 | 0.300 | 1.15 | 0.101 | 1.040 | 0.286 | 0.279 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.145 | -0.00128 |
| **E4** | 1.050 | 0.000 | 1.31 | 0.215 | 0.870 | 0.320 | 0.326 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.244 | -0.042 |
| **E5** | 1.050 | -0.300 | 1.36 | 0.246 | 1.050 | 0.252 | 0.33 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.12 | -0.0594 |
| **E6** | 1.050 | -0.400 | 1.36 | 0.260 | 1.060 | 0.260 | 0.332 | 75-79 | 5-6 | 0.01-0.02 | 4.20 | Down | Yes | 1 | 0.399 | -0.0665 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.73 | 0.173 | 0.674 | 0.349 | 0.376 | NA | NA | NA | 1.50 | Up | No | 3 | 0.252 | -0.0266 |
| **A2** | -1.050 | 0.600 | 0.78 | 0.169 | 0.778 | 0.321 | 0.422 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0494 | -0.0271 |
| **A3** | -1.050 | 0.300 | 1.80 | 0.143 | 1.840 | 0.657 | 0.59 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0561 | -0.00174 |
| **A4** | -1.050 | 0.000 | 2.01 | 0.616 | 1.640 | 0.787 | 0.681 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0743 | -0.352 |
| **A5** | -1.050 | -0.300 | 1.54 | 0.675 | 1.150 | 0.615 | 0.765 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0708 | -0.452 |
| **A6** | -1.050 | -0.400 | 1.33 | 0.628 | 1.060 | 0.592 | 0.733 | NA | NA | NA | 1.50 | Up | No | 3 | 0.238 | -0.392 |
| **B1** | -0.525 | 0.750 | 0.73 | 0.131 | 0.608 | 0.439 | 0.434 | NA | NA | NA | 1.50 | Up | No | 3 | 0.106 | 0.00786 |
| **B2** | -0.525 | 0.600 | 1.16 | 0.467 | 1.190 | 0.478 | 0.614 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0983 | 0.218 |
| **B3** | -0.525 | 0.300 | 3.08 | 0.669 | 1.640 | 0.628 | 0.74 | NA | NA | NA | 1.50 | Up | No | 3 | 0.101 | 0.447 |
| **B4** | -0.525 | 0.000 | 3.02 | 0.519 | 1.570 | 0.726 | 0.627 | NA | NA | NA | 1.50 | Up | No | 3 | 0.224 | -0.266 |
| **B5** | -0.525 | -0.300 | 1.89 | 0.418 | 1.220 | 0.713 | 0.623 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0746 | -0.175 |
| **B6** | -0.525 | -0.400 | 1.73 | 0.480 | 1.020 | 0.658 | 0.617 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0825 | -0.231 |
| **C1** | 0.000 | 0.750 | 0.65 | 0.136 | 0.361 | 0.532 | 0.321 | NA | NA | NA | 1.50 | Up | No | 3 | 0.142 | -0.0133 |
| **C2** | 0.000 | 0.600 | 0.65 | 0.096 | 0.378 | 0.536 | 0.38 | NA | NA | NA | 1.50 | Up | No | 3 | 0.231 | 0.00844 |
| **C3** | 0.000 | 0.300 | 0.80 | 0.187 | 0.616 | 0.400 | 0.399 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0942 | -0.0292 |
| **C4** | 0.000 | 0.000 | 3.39 | 0.843 | 2.100 | 0.645 | 0.748 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0713 | 0.706 |
| **C5** | 0.000 | -0.300 | 4.29 | 0.406 | 1.300 | 0.815 | 0.823 | NA | NA | NA | 1.50 | Up | No | 3 | 0.116 | -0.162 |
| **C6** | 0.000 | -0.400 | 4.19 | 0.579 | 1.230 | 0.706 | 0.75 | NA | NA | NA | 1.50 | Up | No | 3 | 0.251 | -0.325 |
| **D1** | 0.525 | 0.750 | 0.79 | 0.239 | 0.403 | 0.665 | 0.425 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0901 | 0.00381 |
| **D2** | 0.525 | 0.600 | 0.88 | 0.086 | 0.852 | 0.465 | 0.487 | NA | NA | NA | 1.50 | Up | No | 3 | 0.129 | 0.00341 |
| **D3** | 0.525 | 0.300 | 2.43 | 0.740 | 2.080 | 0.696 | 0.718 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0939 | 0.532 |
| **D4** | 0.525 | 0.000 | 3.72 | 0.413 | 1.360 | 0.676 | 0.764 | NA | NA | NA | 1.50 | Up | No | 3 | 0.108 | -0.161 |
| **D5** | 0.525 | -0.300 | 3.22 | 0.767 | 1.240 | 0.602 | 0.775 | NA | NA | NA | 1.50 | Up | No | 3 | 0.155 | -0.586 |
| **D6** | 0.525 | -0.400 | 2.64 | 0.802 | 1.240 | 0.591 | 0.767 | NA | NA | NA | 1.50 | Up | No | 3 | 0.15 | -0.643 |
| **E1** | 1.050 | 0.750 | 0.98 | 0.343 | 0.551 | 0.552 | 0.492 | NA | NA | NA | 1.50 | Up | No | 3 | 0.11565 | -0.06555 |
| **E2** | 1.050 | 0.600 | 0.84 | 0.247 | 0.415 | 0.612 | 0.541 | NA | NA | NA | 1.50 | Up | No | 3 | 0.226 | -0.00804 |
| **E3** | 1.050 | 0.300 | 1.45 | 0.449 | 1.230 | 0.607 | 0.668 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0863 | 0.192 |
| **E4** | 1.050 | 0.000 | 1.65 | 0.371 | 1.390 | 0.571 | 0.609 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0846 | -0.135 |
| **E5** | 1.050 | -0.300 | 0.78 | 0.251 | 0.688 | 0.376 | 0.436 | NA | NA | NA | 1.50 | Up | No | 3 | 0.193 | -0.0604 |
| **E6** | 1.050 | -0.400 | 0.69 | 0.087 | 0.615 | 0.292 | 0.33 | NA | NA | NA | 1.50 | Up | No | 3 | 0.0835 | -0.0046 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.81 | 0.232 | 0.795 | 0.324 | 0.5 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0718 | 0.0512 |
| **A2** | -1.050 | 0.600 | 0.88 | 0.214 | 0.903 | 0.310 | 0.506 | NA | NA | NA | 4.20 | Down | No | 3 | 0.109 | 0.0438 |
| **A3** | -1.050 | 0.300 | 1.09 | 0.264 | 1.010 | 0.398 | 0.487 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0636 | 0.0673 |
| **A4** | -1.050 | 0.000 | 1.06 | 0.134 | 1.020 | 0.398 | 0.486 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0984 | 0.0168 |
| **A5** | -1.050 | -0.300 | 1.18 | 0.199 | 1.050 | 0.416 | 0.455 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0535 | -0.0394 |
| **A6** | -1.050 | -0.400 | 1.00 | 0.142 | 0.944 | 0.402 | 0.439 | NA | NA | NA | 4.20 | Down | No | 3 | 0.158 | -0.0185 |
| **B1** | -0.525 | 0.750 | 1.16 | 0.362 | 1.030 | 0.500 | 0.515 | NA | NA | NA | 4.20 | Down | No | 3 | 0.165 | 0.128 |
| **B2** | -0.525 | 0.600 | 1.39 | 0.369 | 1.060 | 0.552 | 0.534 | NA | NA | NA | 4.20 | Down | No | 3 | 0.108 | 0.131 |
| **B3** | -0.525 | 0.300 | 1.74 | 0.279 | 1.200 | 0.541 | 0.516 | NA | NA | NA | 4.20 | Down | No | 3 | 0.057 | 0.0673 |
| **B4** | -0.525 | 0.000 | 1.84 | 0.198 | 1.110 | 0.554 | 0.489 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0979 | 0.0216 |
| **B5** | -0.525 | -0.300 | 1.66 | 0.248 | 1.190 | 0.532 | 0.463 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0974 | -0.0612 |
| **B6** | -0.525 | -0.400 | 1.98 | 0.331 | 1.060 | 0.531 | 0.461 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0694 | -0.11 |
| **C1** | 0.000 | 0.750 | 1.34 | 0.369 | 1.080 | 0.544 | 0.519 | NA | NA | NA | 4.20 | Down | No | 3 | 0.127 | 0.132 |
| **C2** | 0.000 | 0.600 | 1.56 | 0.372 | 1.110 | 0.572 | 0.521 | NA | NA | NA | 4.20 | Down | No | 3 | 0.124 | 0.133 |
| **C3** | 0.000 | 0.300 | 1.94 | 0.305 | 1.120 | 0.554 | 0.503 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0588 | 0.0878 |
| **C4** | 0.000 | 0.000 | 2.29 | 0.109 | 1.000 | 0.561 | 0.483 | NA | NA | NA | 4.20 | Down | No | 3 | 0.103 | 0.0038 |
| **C5** | 0.000 | -0.300 | 2.13 | 0.260 | 1.040 | 0.549 | 0.451 | NA | NA | NA | 4.20 | Down | No | 3 | 0.106 | -0.0675 |
| **C6** | 0.000 | -0.400 | 2.06 | 0.291 | 1.050 | 0.533 | 0.443 | NA | NA | NA | 4.20 | Down | No | 3 | 0.159 | -0.0846 |
| **D1** | 0.525 | 0.750 | 1.05 | 0.248 | 0.951 | 0.424 | 0.51 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0683 | 0.0606 |
| **D2** | 0.525 | 0.600 | 1.24 | 0.305 | 1.070 | 0.466 | 0.523 | NA | NA | NA | 4.20 | Down | No | 3 | 0.138 | 0.0903 |
| **D3** | 0.525 | 0.300 | 1.70 | 0.337 | 1.100 | 0.555 | 0.518 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0754 | 0.111 |
| **D4** | 0.525 | 0.000 | 1.92 | 0.233 | 1.070 | 0.547 | 0.492 | NA | NA | NA | 4.20 | Down | No | 3 | 0.151 | 0.0544 |
| **D5** | 0.525 | -0.300 | 1.91 | 0.230 | 1.030 | 0.571 | 0.471 | NA | NA | NA | 4.20 | Down | No | 3 | 0.132 | -0.0435 |
| **D6** | 0.525 | -0.400 | 2.05 | 0.282 | 1.070 | 0.543 | 0.497 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0681 | -0.0762 |
| **E1** | 1.050 | 0.750 | 0.72 | 0.115 | 0.432 | 0.470 | 0.448 | NA | NA | NA | 4.20 | Down | No | 3 | 0.104 | -0.0133 |
| **E2** | 1.050 | 0.600 | 0.76 | 0.202 | 0.660 | 0.331 | 0.436 | NA | NA | NA | 4.20 | Down | No | 3 | 0.065 | 0.0406 |
| **E3** | 1.050 | 0.300 | 0.96 | 0.234 | 0.829 | 0.403 | 0.508 | NA | NA | NA | 4.20 | Down | No | 3 | 0.13 | 0.055 |
| **E4** | 1.050 | 0.000 | 1.13 | 0.206 | 0.894 | 0.454 | 0.495 | NA | NA | NA | 4.20 | Down | No | 3 | 0.103 | 0.0422 |
| **E5** | 1.050 | -0.300 | 1.30 | 0.165 | 0.946 | 0.509 | 0.5 | NA | NA | NA | 4.20 | Down | No | 3 | 0.0523 | -0.0241 |
| **E6** | 1.050 | -0.400 | 1.13 | 0.175 | 0.851 | 0.519 | 0.481 | NA | NA | NA | 4.20 | Down | No | 3 | 0.128 | -0.0189 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.66 | 0.144 | 0.361 | 0.364 | 0.344 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.224 | 0.0198 |
| **A2** | -1.050 | 0.600 | 0.67 | 0.093 | 0.338 | 0.432 | 0.366 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.143 | 0.00806 |
| **A3** | -1.050 | 0.300 | 1.54 | 0.374 | 1.120 | 1.040 | 0.578 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.144 | -0.105 |
| **A4** | -1.050 | 0.000 | 1.83 | 0.712 | 1.430 | 1.080 | 0.663 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0698 | -0.397 |
| **A5** | -1.050 | -0.300 | 1.34 | 0.697 | 1.070 | 0.674 | 0.847 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.106 | -0.463 |
| **A6** | -1.050 | -0.400 | 1.05 | 0.539 | 0.897 | 0.515 | 0.727 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0733 | -0.29 |
| **B1** | -0.525 | 0.750 | 0.76 | 0.167 | 0.375 | 0.449 | 0.35 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.236 | 0.0275 |
| **B2** | -0.525 | 0.600 | 1.05 | 0.314 | 0.616 | 0.610 | 0.46 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.139 | 0.08 |
| **B3** | -0.525 | 0.300 | 3.34 | 0.606 | 1.340 | 0.590 | 0.684 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0851 | 0.363 |
| **B4** | -0.525 | 0.000 | 3.44 | 0.557 | 1.490 | 0.754 | 0.629 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0765 | -0.308 |
| **B5** | -0.525 | -0.300 | 2.14 | 0.743 | 1.150 | 0.738 | 0.764 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.079 | -0.551 |
| **B6** | -0.525 | -0.400 | 2.02 | 0.693 | 1.120 | 0.764 | 0.753 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.153 | -0.481 |
| **C1** | 0.000 | 0.750 | 0.68 | 0.093 | 0.367 | 0.449 | 0.354 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0631 | -0.00498 |
| **C2** | 0.000 | 0.600 | 0.63 | 0.143 | 0.337 | 0.448 | 0.394 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.139 | -0.00173 |
| **C3** | 0.000 | 0.300 | 1.11 | 0.397 | 0.779 | 0.506 | 0.514 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.146 | 0.147 |
| **C4** | 0.000 | 0.000 | 3.01 | 0.674 | 1.610 | 0.612 | 0.626 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0879 | 0.449 |
| **C5** | 0.000 | -0.300 | 4.23 | 0.585 | 1.320 | 0.815 | 0.736 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.171 | -0.341 |
| **C6** | 0.000 | -0.400 | 4.04 | 0.541 | 1.080 | 0.776 | 0.763 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.146 | -0.292 |
| **D1** | 0.525 | 0.750 | 1.15 | 0.275 | 0.892 | 0.575 | 0.583 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.135 | 0.0202 |
| **D2** | 0.525 | 0.600 | 1.51 | 0.421 | 1.640 | 0.401 | 0.641 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.177 | 0.177 |
| **D3** | 0.525 | 0.300 | 3.49 | 0.496 | 2.050 | 0.716 | 0.583 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.152 | 0.24 |
| **D4** | 0.525 | 0.000 | 4.10 | 0.467 | 1.100 | 0.584 | 0.687 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0875 | -0.208 |
| **D5** | 0.525 | -0.300 | 2.85 | 0.661 | 1.120 | 0.564 | 0.698 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.141 | -0.435 |
| **D6** | 0.525 | -0.400 | 2.15 | 0.492 | 1.140 | 0.566 | 0.6 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.0942 | -0.24 |
| **E1** | 1.050 | 0.750 | 0.77 | 0.247 | 0.379 | 0.476 | 0.443 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.125 | -0.00684 |
| **E2** | 1.050 | 0.600 | 0.91 | 0.296 | 0.696 | 0.509 | 0.473 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.115 | -0.0869 |
| **E3** | 1.050 | 0.300 | 1.01 | 0.328 | 1.020 | 0.388 | 0.37 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.417 | 0.106 |
| **E4** | 1.050 | 0.000 | 1.10 | 0.296 | 1.070 | 0.448 | 0.391 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.058 | 0.0818 |
| **E5** | 1.050 | -0.300 | 0.81 | 0.094 | 0.535 | 0.258 | 0.227 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.3 | -0.00855 |
| **E6** | 1.050 | -0.400 | 0.68 | 0.078 | 0.569 | 0.212 | 0.215 | 100-105 | 7 | 0.01-0.03 | 1.50 | Up | Yes | 3 | 0.209 | -0.00585 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **x** | **y** | **v** | **ustar** | **sigU** | **sigV** | **sigW** | **rpm** | **volt** | **amp** | **distance** | **Up / Down** | **VAWT** | **Speed** | **SigT** | **UW** |
| **A1** | -1.050 | 0.750 | 0.68 | 0.096 | 0.356 | 0.300 | 0.25 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.16 | -0.00263 |
| **A2** | -1.050 | 0.600 | 0.71 | 0.087 | 0.347 | 0.291 | 0.262 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.212 | 0.000304 |
| **A3** | -1.050 | 0.300 | 0.57 | 0.087 | 0.321 | 0.343 | 0.308 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.188 | 0.000513 |
| **A4** | -1.050 | 0.000 | 0.55 | 0.074 | 0.468 | 0.296 | 0.341 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0363 | 0.00513 |
| **A5** | -1.050 | -0.300 | 0.97 | 0.079 | 0.802 | 0.330 | 0.408 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0887 | 0.0000739 |
| **A6** | -1.050 | -0.400 | 1.06 | 0.090 | 0.768 | 0.315 | 0.395 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.224 | 0.0011 |
| **B1** | -0.525 | 0.750 | 0.75 | 0.086 | 0.306 | 0.329 | 0.26 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0978 | 0.0073 |
| **B2** | -0.525 | 0.600 | 0.77 | 0.096 | 0.328 | 0.311 | 0.257 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.145 | 0.00908 |
| **B3** | -0.525 | 0.300 | 0.78 | 0.063 | 0.315 | 0.259 | 0.25 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0953 | 0.00323 |
| **B4** | -0.525 | 0.000 | 0.54 | 0.064 | 0.371 | 0.263 | 0.251 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0466 | -0.000489 |
| **B5** | -0.525 | -0.300 | 0.38 | 0.061 | 0.236 | 0.290 | 0.237 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.189 | -0.00357 |
| **B6** | -0.525 | -0.400 | 0.48 | 0.107 | 0.422 | 0.234 | 0.284 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0707 | -0.0108 |
| **C1** | 0.000 | 0.750 | 0.75 | 0.152 | 0.345 | 0.338 | 0.311 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.17 | 0.0134 |
| **C2** | 0.000 | 0.600 | 0.78 | 0.123 | 0.404 | 0.309 | 0.307 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0958 | 0.0107 |
| **C3** | 0.000 | 0.300 | 0.74 | 0.091 | 0.401 | 0.273 | 0.279 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0397 | 0.00814 |
| **C4** | 0.000 | 0.000 | 0.47 | 0.078 | 0.388 | 0.219 | 0.247 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0763 | 0.0049 |
| **C5** | 0.000 | -0.300 | 0.38 | 0.068 | 0.227 | 0.270 | 0.231 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.255 | -0.00452 |
| **C6** | 0.000 | -0.400 | 0.39 | 0.078 | 0.265 | 0.224 | 0.233 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.227 | -0.00588 |
| **D1** | 0.525 | 0.750 | 0.52 | 0.176 | 0.283 | 0.375 | 0.348 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.148 | -0.0261 |
| **D2** | 0.525 | 0.600 | 0.45 | 0.122 | 0.248 | 0.356 | 0.323 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.122 | -0.0136 |
| **D3** | 0.525 | 0.300 | 0.41 | 0.074 | 0.313 | 0.276 | 0.294 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0558 | -0.00506 |
| **D4** | 0.525 | 0.000 | 0.33 | 0.055 | 0.171 | 0.271 | 0.244 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.105 | -0.00293 |
| **D5** | 0.525 | -0.300 | 0.45 | 0.049 | 0.347 | 0.232 | 0.234 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.102 | 0.00138 |
| **D6** | 0.525 | -0.400 | 0.78 | 0.085 | 0.593 | 0.284 | 0.294 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.159 | -0.00716 |
| **E1** | 1.050 | 0.750 | 1.27 | 0.352 | 1.230 | 0.320 | 0.401 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.11 | 0.124 |
| **E2** | 1.050 | 0.600 | 1.47 | 0.300 | 1.260 | 0.380 | 0.397 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.273 | 0.0884 |
| **E3** | 1.050 | 0.300 | 1.51 | 0.126 | 1.330 | 0.377 | 0.359 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.256 | -0.00705 |
| **E4** | 1.050 | 0.000 | 1.87 | 0.276 | 1.050 | 0.419 | 0.412 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.171 | -0.0691 |
| **E5** | 1.050 | -0.300 | 1.76 | 0.334 | 1.390 | 0.317 | 0.419 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0917 | -0.11 |
| **E6** | 1.050 | -0.400 | 1.79 | 0.326 | 1.290 | 0.341 | 0.423 | 101-105 | 7-8 | 0.01-0.03 | 4.20 | Down | Yes | 3 | 0.0752 | -0.104 |