附件

表1 全球187个地磁台站经纬度坐标及潮汐总磁场值

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station’s code | latitude | longitude | |B| of M2 | |B| of N2 | |B| of O1 |
| AAA | 43.06 | 76.92 | 0.02 | 0.01 | 0.01 |
| AAE | 8.97 | 38.77 | 0.19 | 0.04 | 0.04 |
| ABG | 18.52 | 72.87 | 0.32 | 0.08 | 0.07 |
| ABK | 68.22 | 18.82 | 0.54 | 0.12 | 0.04 |
| AIA | -65.10 | 295.75 | 1.19 | 0.26 | 0.42 |
| ALE | 82.45 | 297.65 | 0.46 | 0.10 | 0.09 |
| AMS | -37.61 | 77.57 | 2.94 | 0.57 | 0.34 |
| AMT | 31.38 | 34.92 | 0.07 | 0.01 | 0.02 |
| API | -13.71 | 188.22 | 1.62 | 0.38 | 0.19 |
| AQU | 42.19 | 13.32 | 0.24 | 0.05 | 0.03 |
| ARC | -62.01 | 301.52 | 1.36 | 0.29 | 1.01 |
| ARS | 56.26 | 58.57 | 0.03 | 0.01 | 0.01 |
| ASC | -7.90 | 345.62 | 2.05 | 0.43 | 0.15 |
| ASP | -23.63 | 133.88 | 0.35 | 0.07 | 0.09 |
| BDV | 48.89 | 14.02 | 0.26 | 0.06 | 0.02 |
| BEL | 51.65 | 20.80 | 0.17 | 0.04 | 0.02 |
| BFE | 55.45 | 11.67 | 0.31 | 0.07 | 0.04 |
| BFO | 48.14 | 8.32 | 0.38 | 0.08 | 0.03 |
| BGY | 31.55 | 35.08 | 0.06 | 0.01 | 0.02 |
| BJN | 74.40 | 19.20 | 2.88 | 0.61 | 0.15 |
| BLC | 64.18 | 263.97 | 0.23 | 0.05 | 0.05 |
| BMT | 40.11 | 116.20 | 0.11 | 0.02 | 0.04 |
| BNG | 4.30 | 18.57 | 0.22 | 0.04 | 0.02 |
| BOU | 39.94 | 254.77 | 0.26 | 0.05 | 0.06 |
| BOX | 57.89 | 38.22 | 0.06 | 0.01 | 0.01 |
| BRD | 49.68 | 260.03 | 0.19 | 0.04 | 0.04 |
| BRW | 71.18 | 203.38 | 0.39 | 0.09 | 0.09 |
| BSL | 30.18 | 270.37 | 0.29 | 0.07 | 0.03 |
| CBB | 68.99 | 254.97 | 0.15 | 0.03 | 0.04 |
| CBI | 26.94 | 142.18 | 2.37 | 0.47 | 0.48 |
| CDP | 30.83 | 103.70 | 0.07 | 0.02 | 0.02 |
| CKI | -12.10 | 96.83 | 1.88 | 0.40 | 0.30 |
| CLF | 47.83 | 2.27 | 0.68 | 0.14 | 0.05 |
| CMO | 64.72 | 212.17 | 0.48 | 0.09 | 0.15 |
| CNB | -35.14 | 149.37 | 1.21 | 0.21 | 0.10 |
| CNH | 43.64 | 125.30 | 0.14 | 0.02 | 0.08 |
| COI | 40.03 | 351.58 | 1.38 | 0.28 | 0.10 |
| CPL | 17.19 | 78.92 | 0.10 | 0.02 | 0.04 |
| CSY | -66.14 | 110.53 | 1.04 | 0.27 | 0.50 |
| CTA | -19.96 | 146.27 | 0.94 | 0.24 | 0.09 |
| CTS | 45.86 | 11.65 | 0.29 | 0.06 | 0.03 |
| CYG | 36.18 | 126.85 | 0.50 | 0.08 | 0.11 |
| CZT | -46.24 | 51.87 | 3.84 | 0.80 | 0.29 |
| DED | 70.25 | 211.20 | 0.33 | 0.06 | 0.09 |
| DLR | 29.32 | 259.08 | 0.31 | 0.07 | 0.06 |
| DLT | 11.84 | 108.42 | 0.16 | 0.04 | 0.09 |
| DOB | 61.91 | 9.12 | 0.29 | 0.07 | 0.06 |
| DOU | 49.91 | 4.60 | 0.50 | 0.11 | 0.04 |
| DRV | -66.53 | 140.02 | 1.77 | 0.36 | 0.72 |
| DUR | 41.46 | 14.47 | 0.22 | 0.05 | 0.02 |
| EBR | 40.76 | 0.33 | 0.56 | 0.12 | 0.04 |
| ELT | 29.50 | 34.95 | 0.07 | 0.01 | 0.02 |
| ESA | 39.05 | 141.35 | 1.16 | 0.19 | 0.36 |
| ESK | 55.14 | 356.80 | 0.87 | 0.18 | 0.10 |
| EYR | -43.21 | 172.40 | 1.87 | 0.30 | 0.27 |
| FCC | 58.61 | 265.92 | 0.70 | 0.14 | 0.04 |
| FRD | 38.03 | 282.63 | 0.54 | 0.12 | 0.03 |
| FRN | 36.90 | 240.28 | 1.28 | 0.26 | 0.22 |
| FUQ | 5.43 | 286.27 | 0.21 | 0.05 | 0.02 |
| FUR | 47.98 | 11.28 | 0.32 | 0.07 | 0.03 |
| GAN | -0.70 | 73.15 | 1.37 | 0.27 | 0.31 |
| GCK | 44.44 | 20.77 | 0.15 | 0.03 | 0.02 |
| GDH | 69.12 | 306.47 | 0.68 | 0.15 | 0.13 |
| GLM | 36.22 | 94.90 | 0.04 | 0.01 | 0.02 |
| GLN | 49.46 | 262.88 | 0.17 | 0.04 | 0.04 |
| GNA | -31.61 | 115.95 | 1.81 | 0.31 | 0.23 |
| GNG | -31.18 | 115.72 | 1.92 | 0.32 | 0.25 |
| GUA | 13.50 | 144.87 | 0.66 | 0.16 | 0.20 |
| GUI | 28.16 | 343.57 | 1.41 | 0.28 | 0.07 |
| GZH | 22.83 | 112.45 | 0.28 | 0.06 | 0.05 |
| HAD | 50.81 | 355.52 | 2.09 | 0.42 | 0.10 |
| HBK | -25.73 | 27.70 | 0.66 | 0.13 | 0.07 |
| HER | -34.24 | 19.23 | 1.18 | 0.20 | 0.14 |
| HLP | 54.42 | 18.82 | 0.19 | 0.04 | 0.02 |
| HON | 21.19 | 202.00 | 2.21 | 0.40 | 0.34 |
| HRB | 47.68 | 18.18 | 0.19 | 0.04 | 0.02 |
| HRN | 76.92 | 15.55 | 1.43 | 0.33 | 0.09 |
| HTY | 32.94 | 139.80 | 1.87 | 0.35 | 0.86 |
| HUA | -11.97 | 284.67 | 0.29 | 0.06 | 0.06 |
| HYB | 17.31 | 78.55 | 0.10 | 0.02 | 0.03 |
| IPM | -27.01 | 250.58 | 0.94 | 0.27 | 0.15 |
| IQA | 63.60 | 291.48 | 1.41 | 0.29 | 0.07 |
| IRT | 51.98 | 104.45 | 0.04 | 0.01 | 0.03 |
| IZN | 40.31 | 29.73 | 0.09 | 0.02 | 0.01 |
| JAI | 26.71 | 75.82 | 0.06 | 0.01 | 0.02 |
| JCO | 70.23 | 211.20 | 0.33 | 0.06 | 0.09 |
| KAK | 36.05 | 140.18 | 1.37 | 0.24 | 0.25 |
| KDU | -12.60 | 132.47 | 0.53 | 0.10 | 0.16 |
| KEP | -54.10 | 323.50 | 1.26 | 0.25 | 0.27 |
| KHB | 47.43 | 134.68 | 0.22 | 0.03 | 0.16 |
| KIR | 67.72 | 20.42 | 0.39 | 0.08 | 0.03 |
| KIV | 50.53 | 30.30 | 0.09 | 0.02 | 0.02 |
| KMH | -26.38 | 18.12 | 0.67 | 0.13 | 0.07 |
| KNY | 31.25 | 130.88 | 1.31 | 0.31 | 0.17 |
| KNZ | 35.07 | 139.95 | 1.69 | 0.33 | 0.26 |
| KOU | 5.18 | 307.28 | 0.48 | 0.10 | 0.05 |
| KSH | 39.31 | 76.00 | 0.03 | 0.01 | 0.01 |
| LER | 59.97 | 358.82 | 2.32 | 0.47 | 0.11 |
| LIV | -62.51 | 299.60 | 1.68 | 0.34 | 0.80 |
| LMM | -25.77 | 32.58 | 0.99 | 0.19 | 0.11 |
| LNP | 24.85 | 121.17 | 1.94 | 0.36 | 0.16 |
| LON | 45.21 | 16.67 | 0.21 | 0.04 | 0.02 |
| LOV | 59.18 | 17.82 | 0.18 | 0.04 | 0.03 |
| LRM | -22.08 | 114.10 | 2.38 | 0.36 | 0.48 |
| LRV | 64.03 | 338.30 | 2.42 | 0.51 | 0.17 |
| LVV | 49.71 | 23.75 | 0.13 | 0.03 | 0.02 |
| LYC | 64.47 | 18.75 | 0.17 | 0.04 | 0.03 |
| LZH | 35.90 | 103.85 | 0.06 | 0.01 | 0.02 |
| MAB | 50.11 | 5.68 | 0.47 | 0.10 | 0.04 |
| MAW | -67.46 | 62.88 | 0.81 | 0.18 | 0.31 |
| MBC | 76.23 | 240.63 | 0.49 | 0.09 | 0.16 |
| MBO | 14.31 | 343.05 | 0.84 | 0.22 | 0.05 |
| MCQ | -54.32 | 158.95 | 3.72 | 0.84 | 0.59 |
| MEA | 54.44 | 246.65 | 0.30 | 0.05 | 0.07 |
| MGD | 59.95 | 151.02 | 0.72 | 0.10 | 0.58 |
| MIZ | 38.93 | 141.20 | 1.11 | 0.18 | 0.34 |
| MMB | 43.72 | 144.18 | 0.90 | 0.12 | 0.69 |
| MNK | 54.32 | 27.88 | 0.10 | 0.02 | 0.02 |
| MOS | 55.29 | 37.32 | 0.06 | 0.01 | 0.01 |
| MZL | 49.41 | 117.40 | 0.07 | 0.01 | 0.05 |
| NAQ | 61.00 | 314.57 | 0.83 | 0.17 | 0.07 |
| NCK | 47.44 | 16.72 | 0.21 | 0.05 | 0.02 |
| NEW | 48.08 | 242.88 | 0.42 | 0.08 | 0.09 |
| NGK | 51.88 | 12.68 | 0.31 | 0.07 | 0.03 |
| NGP | 21.00 | 79.03 | 0.07 | 0.02 | 0.02 |
| NMP | -15.00 | 39.25 | 1.12 | 0.22 | 0.11 |
| NUR | 60.34 | 24.65 | 0.11 | 0.03 | 0.02 |
| NVS | 54.67 | 83.23 | 0.03 | 0.01 | 0.02 |
| ORC | -60.57 | 315.22 | 1.83 | 0.33 | 0.53 |
| OTT | 45.21 | 284.45 | 0.44 | 0.10 | 0.04 |
| PAF | -49.16 | 70.27 | 1.66 | 0.35 | 0.30 |
| PAG | 42.33 | 24.18 | 0.12 | 0.03 | 0.02 |
| PBQ | 55.10 | 282.25 | 0.78 | 0.15 | 0.05 |
| PEG | 37.90 | 23.93 | 0.14 | 0.03 | 0.02 |
| PET | 52.78 | 158.25 | 2.05 | 0.24 | 1.17 |
| PHU | 20.91 | 105.97 | 0.12 | 0.03 | 0.05 |
| PIL | -31.50 | 296.12 | 0.16 | 0.04 | 0.04 |
| PND | 11.94 | 79.85 | 0.28 | 0.06 | 0.10 |
| PPT | -17.46 | 210.43 | 1.43 | 0.31 | 0.21 |
| PST | -51.51 | 302.10 | 0.86 | 0.26 | 0.19 |
| QGZ | 18.88 | 109.80 | 0.19 | 0.05 | 0.14 |
| QIX | 34.37 | 108.20 | 0.09 | 0.02 | 0.03 |
| QSB | 33.69 | 35.65 | 0.06 | 0.02 | 0.02 |
| QZH | 24.75 | 118.60 | 1.05 | 0.21 | 0.10 |
| RES | 74.59 | 265.10 | 0.61 | 0.13 | 0.12 |
| SBA | -77.77 | 166.78 | 0.46 | 0.09 | 0.32 |
| SBL | 43.74 | 299.98 | 1.48 | 0.34 | 0.21 |
| SFS | 36.28 | 353.80 | 1.53 | 0.31 | 0.12 |
| SHE | -15.85 | 354.27 | 1.52 | 0.32 | 0.08 |
| SHL | 25.42 | 91.87 | 0.04 | 0.01 | 0.02 |
| SHU | 55.17 | 199.53 | 1.89 | 0.29 | 0.51 |
| SIL | 24.79 | 92.82 | 0.04 | 0.01 | 0.02 |
| SIT | 56.89 | 224.67 | 1.26 | 0.24 | 0.29 |
| SJG | 18.00 | 293.85 | 0.91 | 0.22 | 0.14 |
| SOD | 67.23 | 26.63 | 0.21 | 0.05 | 0.03 |
| SPG | 60.39 | 29.72 | 0.09 | 0.02 | 0.02 |
| SPT | 39.36 | 355.65 | 0.74 | 0.15 | 0.06 |
| SSH | 30.93 | 121.18 | 0.99 | 0.17 | 0.11 |
| STJ | 47.41 | 307.32 | 2.21 | 0.50 | 0.16 |
| SUA | 44.49 | 26.25 | 0.11 | 0.02 | 0.02 |
| TAM | 22.66 | 5.53 | 0.16 | 0.04 | 0.02 |
| TAN | -18.80 | 47.55 | 1.96 | 0.35 | 0.21 |
| TDC | -36.88 | 347.68 | 1.41 | 0.30 | 0.12 |
| TEO | 19.63 | 260.82 | 0.55 | 0.13 | 0.12 |
| TFS | 41.91 | 44.70 | 0.04 | 0.01 | 0.01 |
| THJ | 23.86 | 102.70 | 0.08 | 0.02 | 0.01 |
| THL | 77.40 | 290.83 | 0.48 | 0.11 | 0.08 |
| THY | 46.71 | 17.90 | 0.20 | 0.04 | 0.02 |
| TIR | 8.61 | 77.82 | 0.49 | 0.08 | 0.14 |
| TRO | 69.54 | 18.95 | 1.25 | 0.27 | 0.09 |
| TRW | -43.08 | 294.62 | 0.35 | 0.10 | 0.06 |
| TSU | -19.08 | 17.58 | 0.50 | 0.10 | 0.05 |
| TUC | 32.08 | 249.17 | 0.73 | 0.16 | 0.13 |
| UJJ | 23.04 | 75.78 | 0.09 | 0.02 | 0.02 |
| UPS | 59.73 | 17.35 | 0.19 | 0.04 | 0.03 |
| VAL | 51.75 | 349.75 | 2.09 | 0.43 | 0.20 |
| VIC | 48.33 | 236.58 | 0.69 | 0.13 | 0.19 |
| VNA | -70.53 | 351.75 | 1.26 | 0.26 | 0.36 |
| VOS | -78.37 | 106.87 | 0.36 | 0.08 | 0.12 |
| VSK | 17.62 | 83.33 | 0.32 | 0.06 | 0.08 |
| VSS | -22.27 | 316.35 | 0.46 | 0.10 | 0.03 |
| WHN | 30.37 | 114.57 | 0.27 | 0.05 | 0.05 |
| WIC | 47.74 | 15.87 | 0.22 | 0.05 | 0.02 |
| WIK | 48.08 | 16.32 | 0.22 | 0.05 | 0.02 |
| WNG | 53.57 | 9.07 | 0.41 | 0.09 | 0.03 |
| YAK | 61.81 | 129.67 | 0.16 | 0.03 | 0.10 |
| YKC | 62.33 | 245.52 | 0.22 | 0.04 | 0.06 |

表2 M2潮汐类型新布设地磁台站经纬度坐标及潮汐总磁场值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| latitude | longitude | |B| of M2 | latitude | longitude | |B| of M2 | latitude | longitude | |B| of M2 |
| -42.382 | 171 | 2.28 | -45.374 | 170 | 2.86 | 58.338 | 295 | 2.91 |
| -35.402 | 173 | 3.58 | -22.438 | 43 | 2.11 | 58.338 | 296 | 2.73 |
| -36.399 | 174 | 2.10 | -23.435 | 44 | 2.06 | 66.315 | 297 | 2.58 |
| -37.396 | 175 | 2.52 | -25.429 | 45 | 2.30 | 57.34 | 297 | 2.83 |
| -41.385 | 175 | 3.13 | -24.432 | 46 | 2.47 | 56.343 | 298 | 2.05 |
| -38.393 | 176 | 2.73 | -21.44 | 47 | 2.12 | 53.352 | 303 | 2.17 |
| -39.39 | 176 | 2.44 | -22.438 | 47 | 2.89 | 48.365 | 306 | 2.02 |
| -40.388 | 176 | 3.07 | -23.435 | 47 | 3.16 | 47.368 | 306 | 2.04 |
| -38.393 | 177 | 3.58 | -20.443 | 48 | 2.60 | 67.312 | 325 | 2.06 |
| -49.363 | 69 | 2.62 | -16.454 | 49 | 2.37 | 67.312 | 326 | 2.93 |
| -24.432 | 113 | 2.90 | -66.315 | 52 | 2.27 | 64.321 | 340 | 2.02 |
| -26.426 | 113 | 2.56 | -66.315 | 54 | 2.21 | 64.321 | 341 | 3.11 |
| -23.435 | 114 | 2.27 | -55.346 | 290 | 2.84 | 64.321 | 342 | 2.12 |
| -24.432 | 114 | 2.13 | -55.346 | 291 | 2.35 | 64.321 | 343 | 2.12 |
| -27.424 | 114 | 2.50 | 25.429 | 251 | 2.08 | 64.321 | 344 | 2.97 |
| -29.418 | 115 | 2.15 | 23.435 | 253 | 2.14 | 65.318 | 345 | 2.08 |
| -30.415 | 115 | 2.44 | 22.438 | 254 | 2.19 | 58.338 | 353 | 2.17 |
| -8.476 | 116 | 2.56 | 20.443 | 254 | 2.30 | 58.338 | 356 | 2.47 |
| -33.407 | 116 | 2.36 | 20.443 | 255 | 2.49 | -13.463 | 49 | 2.86 |
| -34.404 | 116 | 3.30 | 19.446 | 255 | 2.52 | -14.46 | 49 | 2.24 |
| -34.404 | 117 | 2.59 | 19.446 | 256 | 2.01 | -15.457 | 49 | 2.52 |
| -34.404 | 118 | 2.25 | 62.326 | 280 | 3.38 | 42.382 | 351 | 3.61 |
| -41.385 | 145 | 3.01 | 62.326 | 282 | 2.20 | 41.385 | 351 | 2.20 |
| -42.382 | 145 | 3.01 | 61.329 | 282 | 2.50 | 38.393 | 351 | 2.05 |
| -42.382 | 146 | 3.01 | 62.326 | 283 | 3.45 | 37.396 | 351 | 2.04 |
| -43.379 | 146 | 5.81 | 61.329 | 283 | 4.22 | 43.379 | 352 | 2.24 |
| -42.382 | 147 | 2.17 | 60.332 | 283 | 2.10 | 48.365 | 355 | 3.22 |
| -31.413 | 152 | 2.06 | 20.443 | 283 | 2.27 | 30.415 | 130 | 2.21 |
| -11.468 | 153 | 2.28 | 61.329 | 284 | 2.39 | 52.354 | 156 | 2.44 |
| -28.421 | 153 | 2.72 | 20.443 | 284 | 2.25 | 52.354 | 157 | 2.10 |
| -20.443 | 164 | 2.40 | 62.326 | 286 | 2.35 | 53.352 | 192 | 3.50 |
| -21.44 | 165 | 3.18 | 63.324 | 289 | 2.32 | 37.396 | 238 | 2.10 |
| -45.374 | 167 | 5.99 | 62.326 | 291 | 2.66 | 36.399 | 238 | 2.76 |
| -44.377 | 168 | 4.49 | 62.326 | 292 | 2.66 | 35.402 | 239 | 2.75 |
| -45.374 | 168 | 4.85 | 62.326 | 293 | 3.66 | 33.407 | 242 | 2.06 |
| -46.371 | 168 | 6.73 | 58.338 | 293 | 2.08 | 32.41 | 243 | 2.02 |
| -44.377 | 169 | 3.38 | 59.335 | 294 | 2.70 | 31.413 | 244 | 2.33 |
| -45.374 | 169 | 3.14 | 58.338 | 294 | 2.08 | 30.415 | 244 | 2.70 |
| -46.371 | 169 | 4.62 | 67.312 | 295 | 2.24 | 28.421 | 246 | 2.02 |
| -43.379 | 170 | 2.90 | 60.332 | 295 | 3.29 | 26.426 | 247 | 2.48 |
| -44.377 | 170 | 2.02 | 59.335 | 295 | 3.38 | 29.418 | 248 | 2.06 |

表3 N2潮汐类型新布设地磁台站经纬度坐标及潮汐总磁场值

|  |  |  |
| --- | --- | --- |
| latitude | longitude | |B| of N2 |
| -35.402 | 173 | 1.02 |
| -43.379 | 146 | 1.24 |
| -45.374 | 167 | 1.34 |
| -45.374 | 168 | 1.06 |
| -46.371 | 168 | 1.48 |

表4 O1潮汐类型新布设地磁台站经纬度坐标及潮汐总磁场值

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| latitude | longitude | |B| of O1 | latitude | longitude | |B| of O1 | latitude | longitude | |B| of O1 |
| -71.301 | 167 | 1.72 | -42.382 | 146 | 1.28 | 59.335 | 153 | 1.05 |
| -72.298 | 169 | 2.16 | -43.379 | 146 | 2.51 | 53.352 | 156 | 1.14 |
| -35.402 | 173 | 1.12 | -42.382 | 147 | 1.02 | 52.354 | 156 | 1.65 |
| -41.385 | 145 | 1.20 | -71.301 | 165 | 1.07 | 53.352 | 157 | 1.18 |
| -42.382 | 145 | 1.28 | -71.301 | 166 | 1.07 | 52.354 | 157 | 1.40 |