Resultados del Análisis de TEMP\_MIN\_RBE

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID\_CIDERH | Media | D. Estándar | Min | Q1 | Mediana | Q3 | Max | IQR |
| CFM\_001\_A | -99.9 | 3.55e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| CFM\_002\_A | -99.9 | 9.67e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| FM\_001\_A | -99.9 | 3.70e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| FM\_002\_A | -99.9 | 9.10e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_001\_A | -99.9 | 2.46e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_001\_AA | -8.598 | 47.84256479 | -99.9 | 12.6 | 15.0 | 18.0 | 24.4 | 5.40 |
| M\_001\_AH | -87.206 | 32.37680164 | -99.9 | -99.9 | -99.9 | -99.9 | 8.7 | 0 |
| M\_001\_AJ | -5.632 | 38.70687750 | -99.9 | 8.0 | 10.1 | 11.4 | 22.6 | 3.40 |
| M\_001\_A\_II | -99.9 | 1.28e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_001\_A\_XV | -10.219 | 39.82815789 | -99.9 | 4.0 | 6.4 | 8.8 | 35.1 | 4.80 |
| M\_001\_BOL | -48.747 | 49.23001218 | -99.9 | -99.9 | -11.5 | -0.5 | 10.1 | 99.40 |
| M\_001\_B\_II | 2.503 | 5.66565438 | -99.9 | 0.3 | 2.8 | 5.0 | 23.5 | 4.70 |
| M\_001\_B\_XV | 16.773 | 3.26062530 | -99.9 | 15.1 | 16.7 | 18.7 | 25.1 | 3.60 |
| M\_001\_Q | -1.464 | 5.95096620 | -19.3 | -5.6 | -0.4 | 3.1 | 9.3 | 8.67 |
| M\_001\_W | 9.848 | 3.54022864 | 0 | 7.2 | 9.8 | 12.5 | 21.1 | 5.30 |
| M\_002\_A | -99.9 | 1.29e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_002\_AA | 0.655 | 38.77309933 | -99.9 | 12.8 | 15.0 | 17.2 | 22.8 | 4.40 |
| M\_002\_AH | -75.980 | 41.59846793 | -99.9 | -99.9 | -99.9 | -99.9 | 7.0 | 0 |
| M\_002\_AJ | -32.716 | 118.71006288 | -5587.0 | -99.9 | -10.3 | -4.0 | 6.9 | 95.91 |
| M\_002\_A\_II | -99.9 | 1.01e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_002\_BOL | -99.9 | 3.13e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_002\_B\_II | 14.282 | 3.24151404 | -99.9 | 12.6 | 14.3 | 16.1 | 22.6 | 3.50 |
| M\_002\_H | -52.197 | 46.15982031 | -99.9 | -99.9 | -18.5 | -7.7 | 6.5 | 92.21 |
| M\_002\_Q | 5.182 | 5.07026078 | -8.8 | 1.3 | 4.7 | 9.0 | 21.2 | 7.70 |
| M\_002\_W | 7.585 | 6.77408565 | -99.9 | 4.5 | 7.6 | 11.0 | 20.8 | 6.51 |
| M\_003\_A | -99.9 | 1.55e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_003\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_003\_AH | 3.653 | 11.63180986 | -99.9 | -2.3 | 0.4 | 5.8 | 70.6 | 8.10 |
| M\_003\_A\_II | -84.146 | 37.76562061 | -99.9 | -99.9 | -99.9 | -99.9 | 19.6 | 0 |
| M\_003\_A\_XV | -99.9 | 1.05e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_003\_BOL | -99.9 | 3.04e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_003\_H | -49.960 | 47.86710056 | -99.9 | -99.9 | -11.3 | -4.4 | 6.0 | 95.50 |
| M\_003\_Q | 9.907 | 1.73982039 | 3.1 | 8.8 | 10.1 | 11.1 | 15.2 | 2.30 |
| M\_004\_A | -23.116 | 49.29859447 | -99.9 | -99.9 | 6.0 | 10.0 | 19.0 | 109.90 |
| M\_004\_AA | -4.225 | 43.12083975 | -99.9 | 13.0 | 14.0 | 16.0 | 21.0 | 3.00 |
| M\_004\_AH | -99.9 | 9.39e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_004\_A\_II | 6.221 | 17.90441178 | -99.9 | 6.3 | 9.2 | 11.8 | 22.2 | 5.50 |
| M\_004\_A\_XV | -99.9 | 2.30e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_004\_BOL | -99.9 | 9.04e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_004\_H | -51.987 | 48.17729471 | -99.9 | -99.9 | -99.9 | -3.7 | 4.4 | 96.23 |
| M\_005\_A | -99.9 | 5.91e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_005\_AA | -4.762 | 44.33013017 | -99.9 | 12.6 | 15.0 | 17.2 | 24.0 | 4.60 |
| M\_005\_AH | -7.707 | 15.12289184 | -99.6 | -9.8 | -5.4 | -1.1 | 7.3 | 8.70 |
| M\_005\_A\_II | -99.9 | 6.00e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_005\_A\_XV | -99.9 | 9.53e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_005\_BOL | -37.937 | 48.43793458 | -99.9 | -99.9 | -5.4 | 2.0 | 17.4 | 101.90 |
| M\_005\_H | -52.540 | 47.48951239 | -99.9 | -99.9 | -17.0 | -5.7 | 8.7 | 94.24 |
| M\_005\_Q | 10.825 | 2.48018178 | 0.9 | 9.3 | 10.8 | 12.3 | 18.2 | 3.00 |
| M\_006\_A | -99.9 | 3.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_006\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_006\_A\_II | -54.950 | 49.60509079 | -99.9 | -99.9 | -99.9 | -1.0 | 20.2 | 98.90 |
| M\_006\_A\_XV | -5.350 | 17.07227333 | -99.9 | -4.5 | -2.5 | -0.3 | 10.0 | 4.20 |
| M\_006\_BOL | -11.312 | 19.58867363 | -99.9 | -10.0 | -8.0 | -5.1 | 8.9 | 4.90 |
| M\_006\_Q | 8.120 | 18.98750151 | -1.8 | 3.3 | 5.2 | 8.0 | 177.0 | 4.70 |
| M\_007\_A | -99.9 | 3.88e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_007\_AA | 13.661 | 12.12263191 | -99.9 | 12.8 | 15.0 | 16.1 | 22.2 | 3.30 |
| M\_007\_A\_II | -99.9 | 1.22e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_007\_A\_XV | -20.416 | 42.84518001 | -99.9 | -2.5 | 1.9 | 4.0 | 12.0 | 6.50 |
| M\_007\_BOL | -99.9 | 7.83e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_008\_A | -99.9 | 1.63e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_008\_AA | -12.433 | 33.78675066 | -99.9 | -5.0 | 1.0 | 3.0 | 7.5 | 8.00 |
| M\_008\_A\_II | -99.9 | 1.46e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_008\_A\_XV | -99.9 | 3.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_008\_BOL | -99.9 | 9.38e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_009\_A | -99.9 | 1.17e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_009\_AA | -24.776 | 43.25896384 | -99.9 | -13.0 | -2.0 | 3.0 | 7.2 | 16.00 |
| M\_009\_A\_II | -2.782 | 22.85297447 | -99.9 | 0 | 2.5 | 4.6 | 15.6 | 4.60 |
| M\_009\_A\_XV | -63.516 | 50.23110377 | -99.9 | -99.9 | -99.9 | 4.2 | 12.3 | 104.10 |
| M\_009\_BOL | -11.399 | 29.19612346 | -99.9 | -9.0 | -1.9 | 2.6 | 12.0 | 11.60 |
| M\_010\_A | -38.720 | 45.69523169 | -99.9 | -99.9 | -9.0 | -3.4 | 8.0 | 96.50 |
| M\_010\_AA | -21.113 | 40.50014644 | -99.9 | -9.0 | -2.0 | 3.0 | 11.0 | 12.00 |
| M\_010\_A\_II | -74.342 | 41.42747207 | -99.9 | -99.9 | -99.9 | -14.5 | 8.1 | 85.40 |
| M\_010\_A\_XV | -37.128 | 43.60679678 | -99.9 | -99.9 | -10.1 | -5.0 | 14.0 | 94.90 |
| M\_011\_A | -99.9 | 6.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_011\_AA | -99.9 | 1.47e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_011\_A\_II | -56.184 | 48.60444222 | -99.9 | -99.9 | -99.9 | -3.0 | 11.6 | 96.90 |
| M\_011\_A\_XV | -99.9 | 1.30e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_011\_B | 15.882 | 3.53561777 | -99.9 | 14.2 | 15.8 | 17.6 | 24.4 | 3.40 |
| M\_011\_BOL | -99.9 | 5.29e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_012\_A | -99.9 | 7.25e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_012\_AA | -4.507 | 31.91413514 | -99.9 | 3.9 | 6.1 | 7.8 | 17.2 | 3.90 |
| M\_012\_A\_XV | -99.9 | 2.99e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_012\_BOL | 1.631 | 3.57051719 | -6.8 | -1.1 | 2.5 | 4.6 | 8.2 | 5.70 |
| M\_013\_A | -99.9 | 2.99e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_013\_AA | -4.807 | 35.86981905 | -99.9 | 6.6 | 8.5 | 9.9 | 14.5 | 3.30 |
| M\_013\_A\_II | -99.505 | 6.53067538 | -99.9 | -99.9 | -99.9 | -99.9 | 8.9 | 0 |
| M\_013\_A\_XV | -99.9 | 1.30e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_013\_BOL | -9.640 | 28.88473286 | -99.9 | -6.4 | -1.0 | 3.5 | 12.0 | 9.90 |
| M\_014\_A | -99.9 | 1.49e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_014\_AA | -28.280 | 50.94372456 | -99.9 | -99.9 | 6.5 | 8.7 | 20.0 | 108.60 |
| M\_014\_A\_II | -99.9 | 3.40e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_014\_A\_XV | -99.9 | 2.90e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_014\_BOL | -24.807 | 42.58768208 | -99.9 | -14.3 | 0 | 0 | 46.5 | 14.30 |
| M\_015\_A | -99.9 | 4.04e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_015\_AA | -12.991 | 43.26389063 | -99.9 | 5.6 | 8.0 | 9.4 | 15.8 | 3.80 |
| M\_015\_A\_II | -7.999 | 28.06885385 | -99.9 | -3.5 | 0 | 3.0 | 13.8 | 6.50 |
| M\_015\_A\_XV | -35.722 | 43.96667872 | -99.9 | -99.9 | -10.0 | -4.4 | 16.4 | 95.50 |
| M\_015\_BOL | 4.779 | 13.26530926 | -99.9 | 4.6 | 6.0 | 8.0 | 14.0 | 3.40 |
| M\_015\_H | 14.349 | 8.76681038 | -99.9 | 13.2 | 14.8 | 16.8 | 21.6 | 3.62 |
| M\_016\_A | -16.952 | 30.26935367 | -99.9 | -11.5 | -7.5 | -3.0 | 16.5 | 8.50 |
| M\_016\_AA | -43.589 | 54.13503162 | -99.9 | -99.9 | 4.6 | 7.5 | 11.5 | 107.45 |
| M\_016\_A\_II | -21.994 | 41.84805499 | -99.9 | -7.1 | -1.1 | 2.5 | 13.1 | 9.60 |
| M\_016\_A\_XV | -31.512 | 42.37800923 | -99.9 | -99.9 | -11.0 | -4.0 | 25.0 | 95.90 |
| M\_016\_BOL | -64.101 | 48.92355680 | -99.9 | -99.9 | -99.9 | 1.5 | 10.0 | 101.40 |
| M\_016\_H | -27.227 | 55.35815794 | -99.9 | -99.9 | 14.5 | 16.9 | 22.0 | 116.85 |
| M\_017\_A | -99.9 | 1.52e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_017\_AA | -13.287 | 43.72374073 | -99.9 | 5.5 | 8.1 | 9.8 | 14.6 | 4.30 |
| M\_017\_A\_II | -15.488 | 37.94211995 | -99.9 | -3.0 | 1.0 | 3.1 | 20.0 | 6.10 |
| M\_017\_A\_XV | -99.9 | 2.01e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_017\_BOL | -99.9 | 2.73e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_018\_A | -79.180 | 42.05912032 | -99.9 | -99.9 | -99.9 | -99.9 | 14.0 | 0 |
| M\_018\_AA | -36.289 | 52.35056725 | -99.9 | -99.9 | 4.0 | 7.0 | 17.0 | 106.90 |
| M\_018\_A\_II | -99.405 | 7.23417269 | -99.9 | -99.9 | -99.9 | -99.9 | 6.5 | 0 |
| M\_018\_A\_XV | -99.9 | 6.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_018\_BOL | -29.172 | 45.17001601 | -99.9 | -99.9 | -5.2 | 2.5 | 12.0 | 102.35 |
| M\_019\_A | -7.225 | 33.45664584 | -99.9 | 1.0 | 3.0 | 6.8 | 22.0 | 5.80 |
| M\_019\_AA | -99.9 | 2.92e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_019\_A\_II | -99.9 | 5.97e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_019\_A\_XV | -99.9 | 3.70e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_019\_BOL | 3.415 | 12.32407500 | -99.9 | 0 | 5.0 | 9.4 | 18.0 | 9.40 |
| M\_020\_A | -99.9 | 1.58e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_020\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_020\_A\_II | -99.840 | 2.52502871 | -99.9 | -99.9 | -99.9 | -99.9 | 8.1 | 0 |
| M\_020\_A\_XV | -15.158 | 31.94970840 | -99.9 | -7.0 | -4.0 | -1.0 | 16.2 | 6.00 |
| M\_020\_BOL | -62.447 | 47.45984614 | -99.9 | -99.9 | -99.9 | -4.0 | 16.0 | 95.90 |
| M\_021\_A | -99.9 | 1.51e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_021\_AA | -99.9 | 1.74e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_021\_A\_II | -2.273 | 10.46380285 | -99.9 | -4.0 | -1.5 | 1.2 | 21.5 | 5.20 |
| M\_021\_A\_XV | -95.539 | 19.83377910 | -99.9 | -99.9 | -99.9 | -99.9 | 7.0 | 0 |
| M\_021\_BOL | -99.9 | 1.62e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_022\_A | -99.9 | 1.60e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_022\_AA | -99.9 | 1.15e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_022\_A\_II | -20.946 | 36.65289172 | -99.9 | -9.4 | -5.2 | -2.0 | 8.0 | 7.40 |
| M\_022\_A\_XV | -13.527 | 38.89934859 | -99.9 | 0.5 | 3.5 | 5.4 | 12.3 | 4.90 |
| M\_022\_BOL | -9.035 | 29.22644170 | -99.9 | -5.5 | 0 | 4.2 | 12.0 | 9.70 |
| M\_023\_A | -99.9 | 1.48e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_023\_AA | -98.846 | 11.03013024 | -99.9 | -99.9 | -99.9 | -99.9 | 16.1 | 0 |
| M\_023\_A\_II | -54.051 | 51.30099686 | -99.9 | -99.9 | -99.9 | 2.8 | 16.0 | 102.70 |
| M\_023\_A\_XV | -99.9 | 8.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_023\_BOL | 9.790 | 5.43110640 | -99.9 | 8.1 | 10.5 | 12.9 | 20.0 | 4.80 |
| M\_024\_A | -99.9 | 3.40e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_024\_AA | -98.354 | 13.30085657 | -99.9 | -99.9 | -99.9 | -99.9 | 18.0 | 0 |
| M\_024\_A\_II | -55.981 | 51.76824586 | -99.9 | -99.9 | -99.9 | 4.2 | 17.2 | 104.10 |
| M\_024\_A\_XV | -99.9 | 2.80e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_024\_BOL | -5.774 | 12.22157036 | -99.9 | -7.0 | -4.5 | -1.5 | 6.0 | 5.50 |
| M\_025\_A | -99.9 | 9.69e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_025\_AA | -98.513 | 12.59282811 | -99.9 | -99.9 | -99.9 | -99.9 | 19.3 | 0 |
| M\_025\_A\_II | -99.9 | 9.10e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_025\_A\_XV | -99.9 | 2.72e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_025\_BOL | -96.699 | 18.11953484 | -99.9 | -99.9 | -99.9 | -99.9 | 14.0 | 0 |
| M\_026\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_026\_A\_II | -99.697 | 4.63666848 | -99.9 | -99.9 | -99.9 | -99.9 | 12.3 | 0 |
| M\_026\_A\_XV | -99.9 | 1.51e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_026\_BOL | -99.9 | 9.25e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_027\_AA | -7.015 | 43.11533008 | -99.9 | 9.2 | 11.8 | 14.5 | 20.4 | 5.30 |
| M\_027\_A\_II | -14.202 | 37.85664873 | -99.9 | -0.8 | 2.0 | 4.0 | 11.4 | 4.80 |
| M\_027\_A\_XV | -99.9 | 3.99e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_027\_BOL | 0.658 | 4.34233587 | -10.9 | -3.0 | 0.3 | 4.5 | 9.0 | 7.50 |
| M\_028\_AA | -40.498 | 56.05466609 | -99.9 | -99.9 | 9.1 | 11.3 | 17.8 | 111.18 |
| M\_028\_A\_II | -47.019 | 46.67319471 | -99.9 | -99.9 | -11.8 | -5.5 | 9.8 | 94.40 |
| M\_028\_A\_XV | -36.862 | 44.85077133 | -99.9 | -99.9 | -10.1 | -3.0 | 13.0 | 96.90 |
| M\_028\_BOL | -99.9 | 2.66e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_029\_AA | -8.771 | 43.68686992 | -99.9 | 7.2 | 11.1 | 13.9 | 22.2 | 6.70 |
| M\_029\_A\_II | -39.363 | 51.45455520 | -99.9 | -99.9 | 1.0 | 5.0 | 14.8 | 104.90 |
| M\_029\_A\_XV | -99.9 | 2.09e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_029\_BOL | -99.9 | 1.52e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_030\_AA | -0.745 | 38.57101850 | -99.9 | 10.6 | 13.4 | 16.4 | 20.4 | 5.80 |
| M\_030\_A\_II | -38.115 | 46.71124443 | -99.9 | -99.9 | -9.0 | -0.8 | 14.8 | 99.13 |
| M\_030\_A\_XV | -99.9 | 8.43e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_030\_BOL | -99.9 | 7.18e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_031\_AA | -33.971 | 55.81437703 | -99.9 | -99.9 | 9.5 | 14.0 | 18.0 | 113.90 |
| M\_031\_A\_II | -99.9 | 4.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_031\_A\_XV | -99.9 | 1.74e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_031\_BOL | -19.104 | 34.07472167 | -99.9 | -12.0 | -6.2 | -1.4 | 11.0 | 10.60 |
| M\_032\_AA | -2.503 | 39.49045577 | -99.9 | 10.0 | 12.4 | 15.0 | 21.0 | 5.00 |
| M\_032\_A\_II | -54.726 | 48.00578487 | -99.9 | -99.9 | -99.9 | -4.5 | 13.0 | 95.40 |
| M\_032\_A\_XV | -99.9 | 5.29e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_032\_BOL | -99.9 | 1.34e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_033\_AA | -10.907 | 46.87624995 | -99.9 | 9.0 | 12.2 | 15.5 | 21.8 | 6.50 |
| M\_033\_A\_II | -81.517 | 37.41093064 | -99.9 | -99.9 | -99.9 | -99.9 | 9.0 | 0 |
| M\_033\_A\_XV | -99.9 | 1.83e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_033\_BOL | -99.9 | 8.96e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_034\_AA | -10.255 | 46.60063223 | -99.9 | 9.8 | 12.3 | 15.7 | 20.2 | 5.90 |
| M\_034\_A\_II | -28.494 | 48.58840305 | -99.9 | -99.9 | 1.5 | 6.2 | 17.6 | 106.10 |
| M\_034\_A\_XV | -99.9 | 3.68e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_034\_BOL | -99.9 | 1.01e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_035\_AA | -99.9 | 2.92e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_035\_A\_II | -99.9 | 5.46e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_035\_A\_XV | -7.297 | 45.54976973 | -99.9 | 10.5 | 14.0 | 16.5 | 77.5 | 6.00 |
| M\_035\_BOL | -3.580 | 8.53250662 | -99.9 | -9.1 | -3.2 | 2.5 | 12.5 | 11.60 |
| M\_036\_AA | -27.451 | 53.10439979 | -99.9 | -99.9 | 9.6 | 10.4 | 13.0 | 110.35 |
| M\_036\_A\_II | -99.9 | 1.10e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_036\_A\_XV | -83.477 | 40.87811416 | -99.9 | -99.9 | -99.9 | -99.9 | 174.6 | 0 |
| M\_036\_BOL | -32.510 | 49.44451999 | -99.9 | -99.9 | -3.2 | 7.1 | 19.5 | 107.00 |
| M\_037\_AA | -3.957 | 37.49091105 | -99.9 | 7.2 | 10.0 | 12.2 | 18.9 | 5.00 |
| M\_037\_A\_II | -37.873 | 53.37698010 | -99.9 | -99.9 | 3.2 | 9.0 | 18.0 | 108.90 |
| M\_037\_A\_XV | 5.647 | 29.72217390 | -99.9 | 11.0 | 13.6 | 16.0 | 25.5 | 5.00 |
| M\_037\_BOL | -70.948 | 46.08722011 | -99.9 | -99.9 | -99.9 | -4.0 | 10.0 | 95.90 |
| M\_038\_AA | -99.9 | 1.53e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_038\_A\_II | -99.9 | 1.21e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_038\_A\_XV | 13.415 | 10.22494333 | -99.9 | 11.5 | 13.5 | 16.0 | 197.1 | 4.50 |
| M\_038\_BOL | 2.669 | 6.60165624 | -99.9 | 0.3 | 3.7 | 6.1 | 9.3 | 5.77 |
| M\_039\_AA | -99.9 | 2.09e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_039\_A\_II | -74.091 | 44.85090602 | -99.9 | -99.9 | -99.9 | -99.9 | 12.5 | 0 |
| M\_039\_A\_XV | 16.137 | 8.92295858 | -99.9 | 14.8 | 16.6 | 18.6 | 95.2 | 3.80 |
| M\_039\_BOL | -47.267 | 51.01796463 | -99.9 | -99.9 | -12.5 | 3.0 | 18.5 | 102.90 |
| M\_040\_AA | -10.132 | 51.80190501 | -99.9 | 5.5 | 19.0 | 21.9 | 26.0 | 16.45 |
| M\_040\_A\_II | -9.243 | 40.16090816 | -99.9 | 3.2 | 7.5 | 11.0 | 19.2 | 7.80 |
| M\_040\_A\_XV | 15.748 | 6.10725921 | -99.9 | 14.0 | 16.0 | 18.0 | 24.8 | 4.00 |
| M\_040\_BOL | -18.727 | 39.90989318 | -99.9 | -6.0 | -0.5 | 3.5 | 11.0 | 9.50 |
| M\_041\_AA | 9.436 | 33.87045914 | -99.9 | 17.3 | 20.6 | 22.2 | 24.8 | 4.90 |
| M\_041\_A\_II | -99.9 | 1.19e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_041\_A\_XV | -22.687 | 53.11656483 | -99.9 | -99.9 | 11.0 | 15.0 | 28.0 | 114.90 |
| M\_041\_BOL | 0.674 | 7.53197082 | -99.9 | -1.5 | 2.0 | 4.0 | 10.0 | 5.50 |
| M\_042\_AA | 8.343 | 34.77524600 | -99.9 | 16.0 | 20.0 | 21.8 | 25.8 | 5.80 |
| M\_042\_A\_II | -70.737 | 50.13485688 | -99.9 | -99.9 | -99.9 | 9.8 | 23.3 | 109.70 |
| M\_042\_BOL | -6.931 | 20.91074733 | -99.9 | -7.0 | -2.0 | 2.0 | 12.0 | 9.00 |
| M\_043\_AA | -64.426 | 54.56251572 | -99.9 | -99.9 | -99.9 | 15.9 | 32.6 | 115.80 |
| M\_043\_A\_II | -99.9 | 3.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_043\_BOL | 2.154 | 6.30788799 | -99.9 | 0.3 | 3.3 | 5.0 | 7.8 | 4.70 |
| M\_044\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_044\_A\_II | -6.730 | 21.91132386 | -99.9 | -5.2 | -2.0 | 1.0 | 11.0 | 6.20 |
| M\_044\_BOL | -99.9 | 3.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_045\_AA | 8.356 | 33.53409439 | -99.9 | 16.2 | 19.5 | 20.9 | 23.7 | 4.70 |
| M\_045\_A\_II | -4.017 | 28.65457348 | -99.9 | 1.2 | 4.2 | 6.8 | 24.0 | 5.60 |
| M\_045\_BOL | -70.418 | 45.34909588 | -99.9 | -99.9 | -99.9 | -7.5 | 15.5 | 92.40 |
| M\_046\_AA | -22.187 | 56.08333753 | -99.9 | -99.9 | 16.0 | 20.0 | 24.4 | 119.90 |
| M\_046\_A\_II | -99.9 | 6.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_046\_BOL | -99.9 | 8.60e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_047\_AA | 7.460 | 34.53426026 | -99.9 | 15.1 | 19.0 | 21.0 | 25.0 | 5.90 |
| M\_047\_A\_II | -99.9 | 7.87e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_047\_BOL | -99.9 | 7.01e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_048\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_048\_A\_II | -99.9 | 9.53e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_048\_BOL | -7.749 | 26.38927262 | -99.9 | -6.1 | -1.3 | 4.2 | 15.6 | 10.30 |
| M\_049\_AA | -39.803 | 59.28438587 | -99.9 | -99.9 | 8.6 | 20.0 | 23.8 | 119.90 |
| M\_049\_BOL | -2.939 | 17.90472186 | -99.9 | -3.3 | -0.3 | 3.9 | 9.3 | 7.20 |
| M\_050\_AA | 4.633 | 36.88392279 | -99.9 | 13.3 | 17.1 | 20.5 | 23.0 | 7.20 |
| M\_050\_A\_II | -60.705 | 50.66629473 | -99.9 | -99.9 | -99.9 | 3.1 | 16.0 | 103.00 |
| M\_050\_BOL | -45.232 | 47.55558412 | -99.9 | -99.9 | -10.2 | -4.3 | 15.0 | 95.60 |
| M\_051\_AA | 9.029 | 34.89531250 | -99.9 | 18.0 | 20.8 | 21.8 | 24.0 | 3.80 |
| M\_051\_BOL | -99.9 | 8.03e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_052\_AA | -75.092 | 47.58450176 | -99.9 | -99.9 | -99.9 | -99.9 | 22.2 | 0 |
| M\_052\_BOL | 2.864 | 12.00765732 | -99.9 | -3.0 | 5.1 | 9.5 | 19.0 | 12.50 |
| M\_053\_AA | -62.031 | 54.91462948 | -99.9 | -99.9 | -99.9 | 15.0 | 25.0 | 114.90 |
| M\_053\_BOL | -16.765 | 36.70187727 | -99.9 | -6.5 | -2.4 | 2.6 | 7.6 | 9.05 |
| M\_054\_AA | 9.375 | 32.88799944 | -99.9 | 16.9 | 20.0 | 21.5 | 23.6 | 4.60 |
| M\_054\_BOL | -23.928 | 43.39336902 | -99.9 | -9.5 | -1.5 | 3.5 | 12.0 | 13.00 |
| M\_055\_AA | -0.598 | 43.41200432 | -99.9 | 13.0 | 18.5 | 20.8 | 24.8 | 7.80 |
| M\_055\_BOL | 0.249 | 5.53661156 | -12.3 | -4.3 | 2.0 | 5.0 | 8.2 | 9.30 |
| M\_056\_AA | -98.044 | 13.38214223 | -99.9 | -99.9 | -99.9 | -99.9 | -3.4 | 0 |
| M\_056\_BOL | 4.461 | 5.14108875 | -9.7 | 0 | 5.3 | 8.8 | 15.0 | 8.80 |
| M\_057\_AA | -13.205 | 33.48642088 | -99.9 | -3.9 | -1.1 | 2.2 | 12.8 | 6.10 |
| M\_057\_BOL | -99.264 | 8.15005175 | -99.9 | -99.9 | -99.9 | -99.9 | 6.5 | 0 |
| M\_058\_AA | -58.146 | 49.25423118 | -99.9 | -99.9 | -99.9 | -1.1 | 6.1 | 98.80 |
| M\_058\_BOL | -30.640 | 41.75954437 | -99.9 | -99.9 | -10.2 | -2.1 | 6.8 | 97.80 |
| M\_059\_AA | -25.810 | 44.13054793 | -99.9 | -99.9 | -1.0 | 2.4 | 20.0 | 102.30 |
| M\_059\_BOL | -99.9 | 2.97e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_060\_AA | -11.653 | 32.39595756 | -99.9 | -4.5 | 0 | 3.0 | 6.0 | 7.53 |
| M\_060\_BOL | -0.488 | 15.10647090 | -99.9 | -2.5 | 2.5 | 5.5 | 12.4 | 8.00 |
| M\_061\_AA | -27.031 | 46.08357067 | -99.9 | -99.9 | 1.0 | 4.0 | 18.0 | 103.90 |
| M\_061\_BOL | -99.9 | 1.71e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_062\_AA | -12.782 | 34.14023423 | -99.9 | -4.0 | 0.2 | 3.1 | 22.8 | 7.10 |
| M\_062\_BOL | -12.191 | 36.77194018 | -99.9 | -4.0 | 3.8 | 6.0 | 16.5 | 10.00 |
| M\_063\_AA | -24.832 | 43.18646850 | -99.9 | -9.4 | -2.1 | 2.2 | 6.7 | 11.65 |
| M\_063\_BOL | -10.337 | 27.33974785 | -99.9 | -8.0 | -2.5 | 2.2 | 10.0 | 10.20 |
| M\_064\_AA | -99.9 | 2.00e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_064\_BOL | -99.9 | 5.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_065\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_065\_BOL | -99.9 | 1.45e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_066\_AA | -74.344 | 47.40204753 | -99.9 | -99.9 | -99.9 | -99.9 | 22.8 | 0 |
| M\_066\_BOL | -99.9 | 5.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_067\_AA | 8.365 | 34.32945975 | -99.9 | 15.9 | 20.0 | 21.8 | 24.6 | 5.93 |
| M\_067\_BOL | -99.9 | 1.63e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_068\_AA | -5.684 | 47.81892086 | -99.9 | 11.2 | 18.0 | 21.1 | 29.0 | 9.90 |
| M\_068\_BOL | -99.9 | 4.02e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_069\_AA | -66.644 | 52.68435370 | -99.9 | -99.9 | -99.9 | 11.0 | 25.0 | 110.90 |
| M\_069\_BOL | -4.606 | 8.75163975 | -99.9 | -10.0 | -4.0 | 1.7 | 16.2 | 11.70 |
| M\_070\_AA | -2.160 | 45.43386195 | -99.9 | 12.8 | 18.4 | 21.7 | 25.4 | 8.90 |
| M\_070\_BOL | -46.033 | 54.35433548 | -99.9 | -99.9 | -48.5 | 8.0 | 13.0 | 107.90 |
| M\_071\_AA | 3.494 | 38.26247681 | -99.9 | 13.0 | 16.6 | 20.2 | 24.4 | 7.20 |
| M\_071\_BOL | 0.540 | 2.41726842 | -6.8 | -1.5 | 0.7 | 2.5 | 5.0 | 4.00 |
| M\_072\_AA | 6.557 | 38.53059293 | -99.9 | 18.0 | 21.0 | 22.1 | 24.3 | 4.10 |
| M\_072\_BOL | -99.9 | 3.58e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_073\_AA | -39.513 | 59.25714253 | -99.9 | -99.9 | 9.0 | 19.7 | 25.0 | 119.60 |
| M\_073\_BOL | 1.404 | 6.17573136 | -99.9 | -0.9 | 2.0 | 5.3 | 8.2 | 6.20 |
| M\_074\_AA | -99.9 | 1.48e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_074\_BOL | -99.9 | 8.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_075\_AA | 1.550 | 24.35697463 | -99.9 | 2.2 | 7.8 | 11.1 | 17.2 | 8.90 |
| M\_075\_BOL | -99.9 | 3.58e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_076\_AA | -68.547 | 48.98457588 | -99.9 | -99.9 | -99.9 | 2.0 | 26.0 | 101.90 |
| M\_076\_BOL | -31.092 | 40.17343321 | -99.9 | -30.0 | -11.0 | -4.4 | 11.0 | 25.60 |
| M\_077\_AA | -30.307 | 51.56682695 | -99.9 | -99.9 | 4.0 | 10.0 | 22.0 | 109.90 |
| M\_077\_BOL | -23.632 | 42.80764447 | -99.9 | -11.4 | -3.3 | 4.1 | 12.0 | 15.50 |
| M\_078\_AA | -13.648 | 46.51148251 | -99.9 | 5.2 | 10.7 | 12.9 | 16.7 | 7.70 |
| M\_078\_BOL | -0.202 | 33.58726901 | -99.9 | 7.5 | 11.0 | 13.0 | 24.1 | 5.50 |
| M\_079\_AA | -47.050 | 54.30791042 | -99.9 | -99.9 | -99.9 | 9.2 | 17.0 | 109.10 |
| M\_079\_BOL | -93.271 | 26.72106183 | -99.9 | -99.9 | -99.9 | -99.9 | 17.3 | 0 |
| M\_080\_AA | -39.706 | 53.62500319 | -99.9 | -99.9 | 2.0 | 9.3 | 14.6 | 109.20 |
| M\_080\_BOL | -99.9 | 2.30e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_081\_AA | -11.213 | 41.93071419 | -99.9 | 1.5 | 7.6 | 11.6 | 19.3 | 10.10 |
| M\_081\_BOL | 2.298 | 4.06740976 | -6.1 | -1.0 | 2.2 | 6.1 | 10.5 | 7.10 |
| M\_082\_AA | -12.809 | 28.19391200 | -99.9 | -9.2 | -4.4 | -0.2 | 5.4 | 9.00 |
| M\_082\_BOL | -1.494 | 5.35224469 | -18.9 | -4.8 | -1.4 | 2.0 | 19.5 | 6.83 |
| M\_083\_AA | -15.735 | 31.16385594 | -99.9 | -9.8 | -5.8 | -1.1 | 6.0 | 8.75 |
| M\_083\_BOL | -99.9 | 7.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_084\_AA | -12.363 | 24.99467289 | -99.9 | -11.7 | -5.0 | -1.8 | 3.0 | 9.90 |
| M\_084\_BOL | -1.127 | 20.02513487 | -99.9 | -2.0 | 3.3 | 6.7 | 18.0 | 8.70 |
| M\_085\_AA | -15.071 | 30.03831263 | -99.9 | -10.0 | -5.2 | -1.4 | 22.4 | 8.60 |
| M\_085\_BOL | -99.9 | 8.03e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_086\_AA | -11.726 | 25.85329120 | -99.9 | -10.4 | -5.0 | -0.4 | 5.0 | 10.00 |
| M\_086\_BOL | -11.401 | 34.07624293 | -99.9 | -4.7 | 2.0 | 5.0 | 14.0 | 9.65 |
| M\_087\_AA | -94.601 | 21.44996734 | -99.9 | -99.9 | -99.9 | -99.9 | 2.0 | 0 |
| M\_087\_BOL | -22.132 | 47.03596625 | -99.9 | -99.9 | 4.0 | 8.0 | 19.0 | 107.90 |
| M\_088\_AA | -55.288 | 46.63491943 | -99.9 | -99.9 | -99.9 | -7.2 | 21.0 | 92.70 |
| M\_088\_BOL | -60.254 | 49.01131735 | -99.9 | -99.9 | -99.9 | -3.0 | 12.5 | 96.90 |
| M\_089\_AA | -50.204 | 49.04669997 | -99.9 | -99.9 | -15.0 | -1.0 | 18.0 | 98.90 |
| M\_089\_BOL | -0.357 | 4.59631892 | -13.6 | -4.1 | 0 | 3.7 | 7.5 | 7.80 |
| M\_090\_AA | -8.754 | 24.97741154 | -99.9 | -8.9 | -2.2 | 2.8 | 11.1 | 11.70 |
| M\_090\_BOL | -45.141 | 48.08865003 | -99.9 | -99.9 | -10.0 | -2.0 | 9.0 | 97.90 |
| M\_091\_AA | -47.722 | 49.78545897 | -99.9 | -99.9 | -11.0 | 1.0 | 21.0 | 100.90 |
| M\_091\_BOL | 1.600 | 3.72099824 | -8.7 | -1.1 | 1.9 | 4.9 | 8.4 | 6.00 |
| M\_092\_AA | -6.573 | 24.53948459 | -99.9 | -6.8 | 0.2 | 4.8 | 10.6 | 11.60 |
| M\_092\_BOL | -13.996 | 33.74859581 | -99.9 | -8.8 | -1.6 | 3.6 | 10.6 | 12.40 |
| M\_093\_AA | -57.835 | 48.66081883 | -99.9 | -99.9 | -99.9 | -2.8 | 23.0 | 97.10 |
| M\_093\_BOL | -99.9 | 3.21e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_094\_AA | -11.241 | 29.74767523 | -99.9 | -8.6 | -1.7 | 3.0 | 7.7 | 11.60 |
| M\_094\_BOL | -23.702 | 50.17166351 | -99.9 | -99.9 | 5.2 | 12.0 | 22.4 | 111.90 |
| M\_095\_AA | -8.903 | 29.34445927 | -99.9 | -5.8 | 0.4 | 4.5 | 9.4 | 10.30 |
| M\_095\_BOL | -36.413 | 48.27111974 | -99.9 | -99.9 | -3.0 | 1.8 | 10.2 | 101.70 |
| M\_096\_AA | -16.048 | 35.83864549 | -99.9 | -9.3 | -2.0 | 3.4 | 9.9 | 12.70 |
| M\_096\_BOL | -11.441 | 33.20829321 | -99.9 | -5.2 | 1.0 | 4.4 | 14.0 | 9.60 |
| M\_097\_AA | -19.026 | 38.75194793 | -99.9 | -9.2 | -2.4 | 3.4 | 9.2 | 12.60 |
| M\_097\_BOL | -99.9 | 2.73e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_098\_AA | -15.843 | 21.11733726 | -99.9 | -12.5 | -11.0 | -9.8 | -5.6 | 2.75 |
| M\_098\_BOL | -61.899 | 48.21299421 | -99.9 | -99.9 | -99.9 | -4.0 | 19.0 | 95.90 |
| M\_099\_AA | -30.537 | 58.27771862 | -99.9 | -99.9 | 13.0 | 19.6 | 24.0 | 119.50 |
| M\_099\_BOL | -99.9 | 2.52e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_100\_AA | -15.549 | 54.27527149 | -99.9 | -99.9 | 17.9 | 21.5 | 25.0 | 121.40 |
| M\_100\_BOL | 3.192 | 3.63607053 | -9.1 | 0.6 | 3.8 | 6.1 | 11.1 | 5.50 |
| M\_101\_AA | -0.169 | 43.97546379 | -99.9 | 13.8 | 19.0 | 21.8 | 25.8 | 8.00 |
| M\_101\_BOL | -99.9 | 4.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_102\_AA | -11.982 | 52.34141575 | -99.9 | -99.9 | 18.0 | 21.4 | 27.4 | 121.30 |
| M\_102\_BOL | -40.059 | 48.86949627 | -99.9 | -99.9 | -7.2 | 2.4 | 16.6 | 102.30 |
| M\_103\_AA | 5.930 | 35.42139719 | -99.9 | 12.8 | 17.8 | 21.1 | 26.1 | 8.30 |
| M\_103\_BOL | -99.9 | 1.54e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_104\_AA | -65.222 | 54.12662791 | -99.9 | -99.9 | -99.9 | 14.6 | 25.2 | 114.50 |
| M\_104\_BOL | -99.9 | 5.55e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_105\_AA | 5.344 | 39.23467103 | -99.9 | 16.0 | 20.0 | 22.5 | 26.0 | 6.50 |
| M\_105\_BOL | -99.9 | 7.11e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_106\_AA | -6.170 | 49.52074718 | -99.9 | 11.4 | 19.7 | 22.2 | 32.0 | 10.80 |
| M\_106\_BOL | -5.012 | 10.28385721 | -99.9 | -9.8 | -4.4 | 1.1 | 11.3 | 10.90 |
| M\_107\_AA | -4.059 | 47.87785940 | -99.9 | 12.4 | 19.5 | 22.2 | 26.2 | 9.80 |
| M\_107\_BOL | -96.620 | 17.43082912 | -99.9 | -99.9 | -99.9 | -99.9 | -1.0 | 0 |
| M\_108\_AA | 2.506 | 41.44807558 | -99.9 | 13.0 | 19.1 | 22.5 | 25.0 | 9.48 |
| M\_109\_AA | -17.525 | 55.24412857 | -99.9 | -99.9 | 17.6 | 21.8 | 27.0 | 121.70 |
| M\_109\_BOL | -36.330 | 44.68346370 | -99.9 | -99.9 | -7.5 | -3.0 | 11.5 | 96.90 |
| M\_110\_AA | 6.292 | 35.38852249 | -99.9 | 13.9 | 17.5 | 21.0 | 24.0 | 7.12 |
| M\_110\_BOL | -3.492 | 16.50201032 | -99.9 | -5.0 | -1.0 | 3.3 | 103.3 | 8.30 |
| M\_111\_AA | -39.901 | 59.61282641 | -99.9 | -99.9 | 7.0 | 20.6 | 28.0 | 120.45 |
| M\_111\_BOL | 1.374 | 14.53220316 | -99.9 | -4.0 | 4.5 | 8.0 | 16.1 | 12.00 |
| M\_112\_AA | 8.623 | 36.86913713 | -99.9 | 18.0 | 21.5 | 23.0 | 25.0 | 5.00 |
| M\_112\_BOL | -99.9 | 1.82e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_113\_AA | 7.388 | 34.79182232 | -99.9 | 15.0 | 19.5 | 21.0 | 27.0 | 6.00 |
| M\_113\_BOL | -19.088 | 36.76084082 | -99.9 | -11.0 | -4.4 | 1.0 | 13.8 | 12.00 |
| M\_114\_AA | -3.143 | 46.14809887 | -99.9 | 12.0 | 18.1 | 21.5 | 28.5 | 9.50 |
| M\_114\_BOL | -99.9 | 1.57e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_115\_AA | -0.019 | 43.64937733 | -99.9 | 13.0 | 19.0 | 21.8 | 28.0 | 8.80 |
| M\_115\_BOL | -62.548 | 48.16798515 | -99.9 | -99.9 | -99.9 | -4.0 | 14.2 | 95.90 |
| M\_116\_AA | -72.584 | 49.62273868 | -99.9 | -99.9 | -99.9 | -99.9 | 30.0 | 0 |
| M\_116\_BOL | -99.9 | 2.93e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_117\_AA | -75.630 | 47.72886997 | -99.9 | -99.9 | -99.9 | -99.9 | 34.5 | 0 |
| M\_117\_BOL | -88.479 | 31.57748180 | -99.9 | -99.9 | -99.9 | -99.9 | 16.0 | 0 |
| M\_118\_AA | -17.758 | 48.76401176 | -99.9 | -99.9 | 10.0 | 13.0 | 17.6 | 112.90 |
| M\_119\_AA | -99.9 | 1.73e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_119\_BOL | -43.864 | 53.15492191 | -99.9 | -99.9 | -3.5 | 7.0 | 28.0 | 106.90 |
| M\_120\_AA | 4.073 | 25.93232894 | -99.9 | 7.0 | 11.2 | 13.0 | 16.0 | 6.05 |
| M\_120\_BOL | -29.973 | 48.33087456 | -99.9 | -99.9 | 1.5 | 5.0 | 12.0 | 104.90 |
| M\_121\_AA | -0.732 | 34.29107895 | -99.9 | 8.0 | 11.0 | 13.5 | 18.3 | 5.50 |
| M\_121\_BOL | -39.248 | 48.73118982 | -99.9 | -99.9 | -6.1 | 2.4 | 12.3 | 102.30 |
| M\_122\_AA | 8.489 | 35.37023289 | -99.9 | 15.4 | 20.1 | 23.2 | 28.0 | 7.80 |
| M\_122\_BOL | -99.9 | 3.44e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_123\_AA | -85.240 | 38.67445308 | -99.9 | -99.9 | -99.9 | -99.9 | 30.0 | 0 |
| M\_123\_BOL | -44.965 | 48.25393536 | -99.9 | -99.9 | -9.2 | -2.0 | 10.4 | 97.90 |
| M\_124\_AA | -0.841 | 44.48973937 | -99.9 | 11.5 | 19.0 | 22.0 | 29.4 | 10.50 |
| M\_124\_BOL | -99.9 | 1.61e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_125\_AA | -40.849 | 59.25587231 | -99.9 | -99.9 | -99.9 | 20.0 | 27.7 | 119.90 |
| M\_126\_AA | -3.959 | 46.95600552 | -99.9 | 9.9 | 18.0 | 21.6 | 28.8 | 11.65 |
| M\_126\_BOL | -10.733 | 24.28946531 | -99.9 | -10.5 | -5.0 | 0.5 | 12.0 | 11.00 |
| M\_127\_AA | 3.827 | 36.54725095 | -99.9 | 10.4 | 15.8 | 19.8 | 26.2 | 9.40 |
| M\_127\_BOL | -99.9 | 1.16e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_128\_AA | -53.923 | 57.85775909 | -99.9 | -99.9 | -99.9 | 17.8 | 30.0 | 117.70 |
| M\_128\_BOL | -99.9 | 2.37e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_129\_AA | -59.267 | 70.37899781 | -99.9 | -99.9 | -99.9 | -39.0 | 22.0 | 60.95 |
| M\_129\_BOL | -58.033 | 50.56155985 | -99.9 | -99.9 | -99.9 | 2.0 | 16.0 | 101.90 |
| M\_130\_AA | -13.971 | 44.11471507 | -99.9 | 3.8 | 8.5 | 10.0 | 17.5 | 6.20 |
| M\_131\_AA | -16.219 | 44.95461103 | -99.9 | 1.5 | 7.0 | 9.8 | 22.5 | 8.30 |
| M\_131\_BOL | 1.736 | 3.89276449 | -9.1 | -1.4 | 2.5 | 5.1 | 9.8 | 6.50 |
| M\_132\_AA | -47.215 | 53.85538784 | -99.9 | -99.9 | -99.9 | 8.2 | 13.8 | 108.10 |
| M\_132\_BOL | -99.9 | 3.27e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_133\_AA | -12.985 | 42.46330772 | -99.9 | 3.0 | 6.8 | 9.7 | 13.6 | 6.70 |
| M\_133\_BOL | -99.9 | 1.41e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_134\_AA | -4.122 | 33.53504931 | -99.9 | 4.8 | 7.0 | 9.5 | 12.7 | 4.70 |
| M\_134\_BOL | -99.9 | 1.60e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_135\_AA | -61.118 | 51.33812824 | -99.9 | -99.9 | -99.9 | 5.0 | 24.0 | 104.90 |
| M\_135\_BOL | -98.414 | 11.98010664 | -99.9 | -99.9 | -99.9 | -99.9 | 3.8 | 0 |
| M\_136\_AA | -8.533 | 38.75686751 | -99.9 | 3.7 | 7.8 | 10.0 | 25.0 | 6.32 |
| M\_136\_BOL | -5.238 | 21.15105124 | -99.9 | -5.4 | 0 | 3.2 | 10.0 | 8.62 |
| M\_137\_AA | -4.929 | 29.58276099 | -99.9 | 2.0 | 3.4 | 5.4 | 9.5 | 3.40 |
| M\_137\_BOL | -99.9 | 1.03e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_138\_AA | -13.457 | 29.90867137 | -99.9 | -6.6 | -3.4 | -1.0 | 3.5 | 5.60 |
| M\_138\_BOL | -46.150 | 49.17770236 | -99.9 | -99.9 | -10.5 | 1.0 | 13.2 | 100.90 |
| M\_139\_AA | -23.675 | 39.73879683 | -99.9 | -9.7 | -4.3 | -1.4 | 18.7 | 8.30 |
| M\_139\_BOL | -0.147 | 12.31882283 | -99.9 | -2.0 | 1.6 | 4.5 | 12.0 | 6.50 |
| M\_140\_AA | -19.098 | 38.15500754 | -99.9 | -6.9 | -2.0 | 1.0 | 15.0 | 7.90 |
| M\_141\_AA | -6.337 | 27.26514507 | -99.9 | -0.4 | 1.9 | 3.1 | 5.6 | 3.50 |
| M\_141\_BOL | -99.9 | 8.53e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_142\_AA | -11.283 | 30.63101150 | -99.9 | -3.7 | -1.7 | 0.2 | 4.7 | 3.98 |
| M\_142\_BOL | -46.320 | 53.61369741 | -99.9 | -99.9 | -6.4 | 8.6 | 18.5 | 108.50 |
| M\_143\_AA | -51.644 | 49.78703475 | -99.9 | -99.9 | -99.9 | -0.2 | 6.5 | 99.70 |
| M\_143\_BOL | -8.297 | 35.42537767 | -99.9 | -2.5 | 5.0 | 9.0 | 23.4 | 11.50 |
| M\_144\_AA | -68.738 | 46.45867067 | -99.9 | -99.9 | -99.9 | -3.0 | 21.0 | 96.90 |
| M\_144\_BOL | -69.174 | 47.79149413 | -99.9 | -99.9 | -99.9 | -2.0 | 15.0 | 97.90 |
| M\_145\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_145\_BOL | -65.133 | 46.55673514 | -99.9 | -99.9 | -99.9 | -6.5 | 8.0 | 93.40 |
| M\_146\_AA | -1.445 | 33.84520560 | -99.9 | 5.0 | 8.6 | 12.0 | 20.0 | 7.00 |
| M\_146\_BOL | -99.9 | 1.40e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_147\_AA | -45.786 | 56.39311336 | -99.9 | -99.9 | -99.9 | 14.0 | 21.5 | 113.90 |
| M\_147\_BOL | -99.9 | 2.00e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_148\_AA | 2.215 | 35.33096771 | -99.9 | 10.5 | 15.0 | 17.0 | 20.0 | 6.47 |
| M\_148\_BOL | -99.9 | 9.25e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_149\_AA | 3.214 | 32.09841918 | -99.9 | 8.2 | 13.8 | 16.9 | 22.6 | 8.75 |
| M\_149\_BOL | -9.345 | 25.14287940 | -99.9 | -9.2 | -3.5 | 2.8 | 15.1 | 12.00 |
| M\_150\_AA | -0.302 | 36.68154911 | -99.9 | 7.2 | 13.2 | 16.4 | 21.6 | 9.25 |
| M\_150\_BOL | -99.9 | 6.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_151\_AA | -1.229 | 36.67536368 | -99.9 | 5.8 | 12.5 | 16.2 | 22.3 | 10.40 |
| M\_151\_BOL | -99.9 | 6.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_152\_AA | -2.022 | 39.70547524 | -99.9 | 7.0 | 12.2 | 17.7 | 22.0 | 10.70 |
| M\_152\_BOL | -40.075 | 50.56650144 | -99.9 | -99.9 | -5.0 | 4.6 | 16.4 | 104.50 |
| M\_153\_AA | -42.893 | 57.67532321 | -99.9 | -99.9 | -99.9 | 16.4 | 24.6 | 116.28 |
| M\_153\_BOL | -43.642 | 47.15999504 | -99.9 | -99.9 | -12.0 | -3.0 | 10.0 | 96.90 |
| M\_154\_AA | 4.217 | 36.88295664 | -99.9 | 14.0 | 17.4 | 19.6 | 23.6 | 5.60 |
| M\_154\_BOL | -33.136 | 49.81432880 | -99.9 | -99.9 | -0.2 | 6.1 | 14.2 | 106.00 |
| M\_155\_AA | -19.804 | 53.28190597 | -99.9 | -99.9 | 13.0 | 18.0 | 29.0 | 117.90 |
| M\_155\_BOL | -99.9 | 5.12e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_156\_AA | 5.832 | 32.79449267 | -99.9 | 11.8 | 16.6 | 19.1 | 24.6 | 7.30 |
| M\_156\_BOL | -99.9 | 4.79e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_157\_AA | -5.056 | 44.01461649 | -99.9 | 7.0 | 14.8 | 18.8 | 25.0 | 11.80 |
| M\_157\_BOL | -11.340 | 29.32617296 | -99.9 | -6.7 | -2.2 | 1.0 | 13.0 | 7.70 |
| M\_158\_AA | -6.735 | 45.10037290 | -99.9 | 6.5 | 14.3 | 18.2 | 25.6 | 11.70 |
| M\_159\_AA | -99.9 | 2.99e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_160\_AA | -92.887 | 27.74619537 | -99.9 | -99.9 | -99.9 | -99.9 | 24.0 | 0 |
| M\_161\_AA | 0.111 | 25.59118382 | -99.9 | 0.5 | 4.8 | 10.7 | 17.0 | 10.20 |
| M\_162\_AA | -99.9 | 1.79e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_163\_AA | -18.841 | 32.85110590 | -99.9 | -13.9 | -7.2 | -2.2 | 25.0 | 11.70 |
| M\_164\_AA | -99.9 | 2.80e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_165\_AA | -41.743 | 57.73843591 | -99.9 | -99.9 | 0 | 16.7 | 26.1 | 116.60 |
| M\_166\_AA | 5.190 | 36.36980394 | -99.9 | 14.4 | 17.7 | 20.2 | 24.8 | 5.80 |
| M\_167\_AA | 3.024 | 36.79505761 | -99.9 | 10.0 | 16.6 | 20.1 | 25.8 | 10.08 |
| M\_168\_AA | -14.179 | 50.05169488 | -99.9 | -99.9 | 13.0 | 18.0 | 27.0 | 117.90 |
| M\_169\_AA | -9.237 | 47.95854177 | -99.9 | 5.1 | 15.0 | 19.2 | 25.8 | 14.12 |
| M\_170\_AA | -0.361 | 33.10127043 | -99.9 | 4.0 | 11.0 | 14.6 | 19.8 | 10.60 |
| M\_171\_AA | -12.751 | 44.39115655 | -99.9 | -0.3 | 8.0 | 13.6 | 18.7 | 13.90 |
| M\_172\_AA | -16.841 | 47.14621697 | -99.9 | -2.6 | 7.8 | 13.4 | 23.2 | 15.98 |
| M\_173\_AA | -47.409 | 54.23708946 | -99.9 | -99.9 | -99.9 | 9.0 | 29.0 | 108.90 |
| M\_174\_AA | -48.715 | 54.68677863 | -99.9 | -99.9 | -99.9 | 10.0 | 32.0 | 109.90 |
| M\_175\_AA | -45.407 | 54.75152664 | -99.9 | -99.9 | -99.9 | 10.4 | 21.0 | 110.30 |
| M\_176\_AA | -1.139 | 36.36836569 | -99.9 | 8.3 | 12.4 | 14.4 | 18.5 | 6.05 |
| M\_177\_AA | -42.711 | 57.28669709 | -99.9 | -99.9 | -2.8 | 15.7 | 24.1 | 115.60 |
| M\_178\_AA | 2.283 | 38.51193321 | -99.9 | 12.7 | 16.8 | 19.5 | 24.5 | 6.80 |
| M\_179\_AA | -39.208 | 56.01493809 | -99.9 | -99.9 | 3.0 | 13.0 | 22.0 | 112.90 |
| M\_180\_AA | -99.9 | 3.01e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_181\_AA | -13.015 | 50.44009092 | -99.9 | -53.0 | 15.3 | 19.0 | 24.5 | 71.95 |
| M\_182\_AA | -6.960 | 45.29041233 | -99.9 | 5.3 | 14.0 | 18.5 | 24.5 | 13.20 |
| M\_183\_AA | -48.291 | 57.32192938 | -99.9 | -99.9 | -99.9 | 16.0 | 29.0 | 115.90 |
| M\_184\_AA | -8.599 | 46.23958720 | -99.9 | 5.3 | 13.5 | 18.0 | 23.5 | 12.70 |
| M\_185\_AA | -29.721 | 56.09355243 | -99.9 | -99.9 | 9.0 | 17.0 | 29.0 | 116.90 |
| M\_186\_AA | -3.269 | 30.47279183 | -99.9 | -0.5 | 5.6 | 9.2 | 16.5 | 9.70 |
| M\_187\_AA | -99.9 | 1.35e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_188\_AA | 2.545 | 36.15704087 | -99.9 | 8.8 | 15.0 | 19.2 | 26.0 | 10.40 |
| M\_189\_AA | -5.966 | 44.45883517 | -99.9 | 5.3 | 13.8 | 19.0 | 27.5 | 13.65 |
| M\_190\_AA | 10.478 | 27.89686045 | -99.9 | 14.3 | 18.3 | 20.7 | 23.9 | 6.40 |
| M\_191\_AA | -42.272 | 57.67200498 | -99.9 | -99.9 | -1.1 | 16.3 | 26.0 | 116.20 |
| M\_192\_AA | 5.309 | 28.73939189 | -99.9 | 9.5 | 11.5 | 16.6 | 20.8 | 7.10 |
| M\_193\_AA | -85.478 | 38.13225294 | -99.9 | -99.9 | -99.9 | -99.9 | 22.2 | 0 |
| M\_194\_AA | 8.195 | 30.73580998 | -99.9 | 14.8 | 16.6 | 18.6 | 23.8 | 3.80 |
| M\_195\_AA | 11.398 | 25.20229827 | -99.9 | 15.0 | 16.8 | 18.8 | 22.1 | 3.80 |
| M\_196\_AA | 4.522 | 35.80061578 | -99.9 | 14.2 | 16.2 | 18.7 | 23.5 | 4.50 |
| M\_197\_AA | 4.344 | 35.04869120 | -99.9 | 13.6 | 15.7 | 17.8 | 25.1 | 4.20 |
| M\_198\_AA | -11.859 | 49.84011616 | -99.9 | 9.6 | 15.0 | 17.4 | 25.0 | 7.82 |
| M\_199\_AA | -25.941 | 54.83373343 | -99.9 | -99.9 | 13.0 | 15.0 | 21.0 | 114.90 |
| M\_200\_AA | -99.9 | 2.44e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_201\_AA | 9.921 | 27.37109187 | -99.9 | 14.5 | 16.3 | 18.6 | 23.1 | 4.10 |
| M\_202\_AA | -24.512 | 57.42185867 | -99.9 | -99.9 | 14.3 | 18.0 | 19.5 | 117.90 |
| M\_203\_AA | -34.900 | 58.02625372 | -99.9 | -99.9 | 13.0 | 18.0 | 22.0 | 117.90 |
| M\_204\_AA | -39.763 | 57.63770814 | -99.9 | -99.9 | 11.0 | 15.0 | 20.0 | 114.90 |
| M\_205\_AA | -99.9 | 3.78e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_206\_AA | -22.091 | 52.78503876 | -99.9 | -99.9 | 12.2 | 15.0 | 21.1 | 114.90 |
| M\_207\_AA | -9.072 | 47.50299896 | -99.9 | 12.0 | 15.0 | 17.0 | 27.0 | 5.00 |
| M\_208\_AA | -27.272 | 52.81670118 | -99.9 | -99.9 | 8.0 | 12.0 | 20.0 | 111.90 |
| M\_209\_AA | -47.891 | 55.27890117 | -99.9 | -99.9 | -99.9 | 10.0 | 17.0 | 109.90 |
| M\_210\_AA | 10.162 | 25.26492336 | -99.9 | 13.8 | 15.5 | 17.8 | 22.9 | 3.97 |
| M\_211\_AA | 2.460 | 36.91846535 | -99.9 | 13.4 | 15.1 | 17.3 | 22.7 | 3.90 |
| M\_212\_AA | 2.744 | 36.70445235 | -99.9 | 13.4 | 15.4 | 17.3 | 23.7 | 3.90 |
| M\_213\_AA | -3.481 | 34.77284569 | -99.9 | 7.2 | 8.0 | 8.9 | 12.8 | 1.75 |
| M\_214\_AA | -50.700 | 69.57930727 | -99.9 | -75.3 | -50.7 | -26.1 | -1.5 | 49.20 |
| M\_215\_AA | -12.026 | 42.40161703 | -99.9 | 3.4 | 7.5 | 9.8 | 12.7 | 6.35 |
| M\_216\_AA | -56.805 | 50.43118904 | -99.9 | -99.9 | -99.9 | 1.5 | 20.5 | 101.40 |
| M\_217\_AA | -99.9 | 9.39e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_218\_AA | -13.403 | 37.39760613 | -99.9 | -1.8 | 2.0 | 4.8 | 14.2 | 6.62 |
| M\_219\_AA | -38.193 | 52.18017503 | -99.9 | -99.9 | 1.2 | 2.9 | 8.5 | 102.80 |
| M\_220\_AA | -12.194 | 36.90274833 | -99.9 | -0.9 | 2.8 | 5.0 | 12.2 | 5.90 |
| M\_221\_AA | -30.542 | 48.37152780 | -99.9 | -99.9 | 1.0 | 4.2 | 14.0 | 104.10 |
| M\_222\_AA | 10.877 | 19.29316770 | -99.9 | 12.3 | 14.0 | 16.2 | 19.5 | 3.90 |
| M\_223\_AA | 3.716 | 32.84353397 | -99.9 | 11.8 | 13.8 | 15.5 | 20.0 | 3.70 |
| M\_224\_AA | 6.083 | 30.08889529 | -99.9 | 12.6 | 14.5 | 16.1 | 21.2 | 3.50 |
| M\_225\_AA | 3.168 | 33.54196480 | -99.9 | 11.6 | 13.7 | 15.6 | 22.4 | 4.00 |
| M\_226\_AA | -11.995 | 48.01925953 | -99.9 | 9.0 | 13.0 | 15.5 | 22.6 | 6.50 |
| M\_227\_AA | -36.974 | 56.13029203 | -99.9 | -99.9 | 10.0 | 12.8 | 18.9 | 112.70 |
| M\_228\_AA | -26.372 | 53.80791922 | -99.9 | -99.9 | 11.0 | 13.0 | 22.0 | 112.90 |
| M\_229\_AA | -99.9 | 4.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_230\_AA | -99.9 | 5.23e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_231\_AA | -99.9 | 1.86e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_232\_AA | -99.9 | 2.35e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_233\_AA | -99.9 | 4.33e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_234\_AA | -98.174 | 12.74976869 | -99.9 | -99.9 | -99.9 | -99.9 | 7.8 | 0 |
| M\_235\_AA | -99.9 | 3.27e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_236\_AA | -32.026 | 58.00131427 | -99.9 | -99.9 | 12.0 | 19.0 | 31.0 | 118.90 |
| M\_237\_AA | -29.874 | 58.03701032 | -99.9 | -99.9 | 12.0 | 20.0 | 36.0 | 119.90 |
| M\_238\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_239\_AA | -99.9 | 1.46e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_240\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_241\_AA | -70.072 | 49.54062867 | -99.9 | -99.9 | -99.9 | -24.1 | 12.5 | 75.75 |
| M\_242\_AA | 0.487 | 42.25078336 | -99.9 | 10.4 | 17.6 | 22.0 | 31.2 | 11.60 |
| M\_243\_AA | -16.912 | 53.29324300 | -99.9 | -99.9 | 14.0 | 20.2 | 36.0 | 120.10 |
| M\_244\_AA | -99.9 | 2.91e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_245\_AA | 17.009 | 13.64830957 | -99.9 | 15.0 | 18.9 | 22.8 | 32.2 | 7.80 |
| M\_246\_AA | 4.058 | 40.41423722 | -99.9 | 13.4 | 19.8 | 23.2 | 29.6 | 9.80 |
| M\_247\_AA | -14.272 | 53.05490319 | -99.9 | -99.9 | 16.0 | 21.6 | 35.0 | 121.50 |
| M\_248\_AA | 0.668 | 43.32391577 | -99.9 | 11.0 | 19.0 | 22.8 | 31.6 | 11.80 |
| M\_249\_AA | -99.9 | 1.52e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_250\_AA | -13.254 | 48.40103513 | -99.9 | -3.0 | 8.4 | 16.8 | 24.6 | 19.80 |
| M\_251\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_252\_AA | -99.9 | 1.74e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_253\_AA | -24.320 | 57.03619874 | -99.9 | -99.9 | 14.0 | 21.0 | 27.0 | 120.90 |
| M\_254\_AA | -68.308 | 46.88194514 | -99.9 | -99.9 | -99.9 | -5.0 | 20.0 | 94.90 |
| M\_255\_AA | -64.069 | 48.43286989 | -99.9 | -99.9 | -99.9 | -2.9 | 21.5 | 97.00 |
| M\_256\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_257\_AA | -24.582 | 55.10972665 | -99.9 | -99.9 | 12.2 | 17.8 | 25.0 | 117.70 |
| M\_258\_AA | -99.749 | 4.05747266 | -99.9 | -99.9 | -99.9 | -99.9 | 9.2 | 0 |
| M\_259\_AA | -49.451 | 57.61449122 | -99.9 | -99.9 | -99.9 | 16.0 | 27.0 | 115.90 |
| M\_260\_AA | -98.822 | 11.09502995 | -99.9 | -99.9 | -99.9 | -99.9 | 25.6 | 0 |
| M\_261\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_262\_AA | -99.9 | 2.70e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_263\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_264\_AA | -27.311 | 55.51096920 | -99.9 | -99.9 | 9.0 | 17.0 | 26.0 | 116.90 |
| M\_265\_AA | -58.893 | 55.18338488 | -99.9 | -99.9 | -99.9 | 12.0 | 33.0 | 111.90 |
| M\_266\_AA | -99.707 | 4.72626602 | -99.9 | -99.9 | -99.9 | -99.9 | 19.6 | 0 |
| M\_267\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_268\_AA | -24.513 | 39.99156179 | -99.9 | -12.0 | -5.0 | -1.0 | 5.0 | 11.00 |
| M\_269\_AA | -84.724 | 39.26545725 | -99.9 | -99.9 | -99.9 | -99.9 | 25.2 | 0 |
| M\_270\_AA | -99.258 | 8.60063177 | -99.9 | -99.9 | -99.9 | -99.9 | 22.0 | 0 |
| M\_271\_AA | -99.9 | 4.33e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_272\_AA | -50.237 | 56.07482409 | -99.9 | -99.9 | -99.9 | 12.4 | 35.0 | 112.30 |
| M\_273\_AA | -12.533 | 46.74970483 | -99.9 | 2.0 | 10.0 | 16.0 | 25.0 | 14.00 |
| M\_274\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_275\_AA | -97.791 | 15.18423127 | -99.9 | -99.9 | -99.9 | -99.9 | 20.0 | 0 |
| M\_276\_AA | -12.675 | 44.41422825 | -99.9 | -0.3 | 7.8 | 12.8 | 22.2 | 13.08 |
| M\_277\_AA | -99.743 | 4.21819428 | -99.9 | -99.9 | -99.9 | -99.9 | 13.6 | 0 |
| M\_278\_AA | -99.068 | 9.64223946 | -99.9 | -99.9 | -99.9 | -99.9 | 18.5 | 0 |
| M\_279\_AA | -56.111 | 54.11481156 | -99.9 | -99.9 | -99.9 | 9.0 | 25.6 | 108.90 |
| M\_280\_AA | -99.9 | 2.14e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_281\_AA | -32.141 | 55.54849658 | -99.9 | -99.9 | 7.0 | 15.0 | 32.0 | 114.90 |
| M\_282\_AA | -73.604 | 46.81285968 | -99.9 | -99.9 | -99.9 | -99.9 | 20.0 | 0 |
| M\_283\_AA | -91.972 | 29.10095817 | -99.9 | -99.9 | -99.9 | -99.9 | 30.0 | 0 |
| M\_284\_AA | -56.221 | 56.54493840 | -99.9 | -99.9 | -99.9 | 14.4 | 28.0 | 114.30 |
| M\_285\_AA | -14.582 | 51.45022482 | -99.9 | -99.9 | 13.9 | 20.0 | 28.9 | 119.90 |
| M\_286\_AA | -99.750 | 4.01468179 | -99.9 | -99.9 | -99.9 | -99.9 | 7.9 | 0 |
| M\_287\_AA | -89.289 | 33.64521319 | -99.9 | -99.9 | -99.9 | -99.9 | 26.5 | 0 |
| M\_288\_AA | -58.005 | 56.22464060 | -99.9 | -99.9 | -99.9 | 14.8 | 33.0 | 114.70 |
| M\_289\_AA | -18.659 | 52.13513836 | -99.9 | -99.9 | 12.0 | 17.0 | 33.0 | 116.90 |
| M\_290\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_291\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_292\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_293\_AA | -99.9 | 0 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_294\_AA | -99.9 | nan | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |