Resultados del Análisis de TEMP\_MEDIA\_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 | 18.756 | 9.12725341 | -99.9 | 16.9 | 19.0 | 21.8 | 29.0 | 4.97 |
| M\_001\_AH | -79.469 | 41.61458833 | -99.9 | -99.9 | -99.9 | -99.9 | 14.3 | 0 |
| M\_001\_AJ | 7.328 | 42.05312008 | -99.9 | 14.0 | 15.2 | 16.3 | 1436.5 | 2.29 |
| M\_001\_A\_II | -99.9 | 1.28e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_001\_A\_XV | -3.952 | 43.83993373 | -99.9 | 13.9 | 15.7 | 16.9 | 39.5 | 3.00 |
| M\_001\_BOL | -43.750 | 53.98956825 | -99.9 | -99.9 | 2.0 | 8.8 | 17.2 | 108.75 |
| M\_001\_B\_II | 12.172 | 7.48825951 | -99.9 | 10.5 | 13.0 | 14.9 | 23.8 | 4.40 |
| M\_001\_B\_XV | 18.888 | 3.93586303 | -99.9 | 16.7 | 18.8 | 21.2 | 27.0 | 4.50 |
| M\_001\_Q | 8.831 | 3.48850640 | -3.7 | 6.6 | 9.3 | 11.6 | 16.1 | 5.02 |
| M\_001\_W | 17.748 | 2.68701008 | 8.2 | 16.0 | 18.1 | 19.7 | 24.8 | 3.73 |
| M\_002\_A | -99.9 | 1.29e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_002\_AA | 18.684 | 2.73803100 | 12.8 | 16.3 | 18.5 | 21.1 | 26.1 | 4.80 |
| M\_002\_AH | -74.327 | 44.63318083 | -99.9 | -99.9 | -99.9 | -99.9 | 13.6 | 0 |
| M\_002\_AJ | -22.504 | 45.33445286 | -228.7 | -99.9 | 2.0 | 5.7 | 13.7 | 105.60 |
| 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 | 16.564 | 3.81272516 | -99.9 | 14.5 | 16.5 | 18.8 | 24.9 | 4.30 |
| M\_002\_H | -23.153 | 45.43112377 | -99.9 | -99.9 | 1.2 | 6.3 | 13.3 | 106.20 |
| M\_002\_Q | 17.690 | 25.51987839 | 6.7 | 14.8 | 17.4 | 19.6 | 1259.4 | 4.74 |
| M\_002\_W | 17.357 | 6.45431355 | -99.9 | 15.5 | 18.1 | 20.0 | 24.9 | 4.49 |
| M\_003\_A | -99.9 | 1.55e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_003\_AA | 34.000 | nan | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 0 |
| M\_003\_AH | 10.640 | 16.25554669 | -99.9 | 2.5 | 4.8 | 12.1 | 87.5 | 9.61 |
| M\_003\_A\_II | -82.527 | 41.70549442 | -99.9 | -99.9 | -99.9 | -99.9 | 25.4 | 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 | -20.738 | 44.47705693 | -99.9 | -2.0 | 2.1 | 6.4 | 11.0 | 8.48 |
| M\_003\_Q | 14.911 | 1.43874868 | 8.8 | 14.1 | 15.0 | 15.9 | 19.0 | 1.85 |
| M\_004\_A | -16.931 | 54.53396431 | -99.9 | -99.9 | 16.4 | 20.9 | 25.8 | 120.80 |
| M\_004\_AA | 17.619 | 2.42123322 | 13.8 | 15.7 | 16.8 | 19.7 | 23.3 | 4.00 |
| M\_004\_AH | -99.9 | 9.39e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_004\_A\_II | 17.163 | 19.84803454 | -99.9 | 18.6 | 20.8 | 22.5 | 28.5 | 3.90 |
| 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 | -27.293 | 45.14394820 | -99.9 | -99.9 | -1.4 | 2.5 | 8.3 | 102.37 |
| M\_005\_A | -99.9 | 5.91e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_005\_AA | 19.339 | 3.35421483 | -99.9 | 16.9 | 19.2 | 21.9 | 27.0 | 4.99 |
| M\_005\_AH | 3.677 | 4.95034928 | -22.5 | 1.8 | 4.2 | 6.9 | 12.3 | 5.15 |
| 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 | -32.982 | 52.87691657 | -99.9 | -99.9 | 5.2 | 10.2 | 18.5 | 110.15 |
| M\_005\_H | -24.469 | 46.85920016 | -99.9 | -99.9 | 1.6 | 6.8 | 13.8 | 106.66 |
| M\_005\_Q | 18.719 | 1.98010714 | 7.9 | 17.6 | 19.0 | 20.0 | 23.6 | 2.40 |
| 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 | -52.839 | 53.94831074 | -99.9 | -99.9 | -99.9 | 8.4 | 20.1 | 108.30 |
| M\_006\_A\_XV | 0.052 | 19.49519519 | -99.9 | 2.0 | 3.8 | 5.5 | 13.0 | 3.50 |
| M\_006\_BOL | -4.429 | 20.96291235 | -99.9 | -2.0 | -0.2 | 1.6 | 10.0 | 3.60 |
| M\_006\_Q | 20.314 | 25.00908223 | 10.6 | 15.5 | 17.1 | 18.7 | 218.8 | 3.14 |
| M\_007\_A | -99.9 | 3.88e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_007\_AA | 16.598 | 3.57740709 | -99.9 | 15.0 | 16.1 | 17.8 | 28.9 | 2.80 |
| M\_007\_A\_II | -99.9 | 1.22e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_007\_A\_XV | -16.079 | 45.78119075 | -99.9 | 4.6 | 8.2 | 9.9 | 16.4 | 5.30 |
| 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 | 10.926 | 2.41772857 | -4.3 | 9.2 | 11.1 | 12.6 | 19.0 | 3.41 |
| 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 | 10.031 | 2.69948242 | -5.0 | 8.4 | 10.0 | 11.7 | 20.0 | 3.31 |
| M\_009\_A\_II | -44.254 | 55.44411374 | -99.9 | -99.9 | 3.4 | 11.0 | 19.5 | 110.90 |
| M\_009\_A\_XV | -62.060 | 52.40418925 | -99.9 | -99.9 | -99.9 | 9.0 | 16.6 | 108.90 |
| M\_009\_BOL | -2.648 | 31.84933352 | -99.9 | 3.9 | 7.9 | 10.2 | 18.0 | 6.25 |
| M\_010\_A | -32.372 | 50.56024492 | -99.9 | -99.9 | 2.4 | 6.4 | 12.6 | 106.30 |
| M\_010\_AA | 10.992 | 3.61039821 | -99.9 | 9.6 | 11.2 | 12.7 | 22.2 | 3.08 |
| M\_010\_A\_II | -71.315 | 46.58584918 | -99.9 | -99.9 | -99.9 | -0.2 | 14.1 | 99.70 |
| M\_010\_A\_XV | -31.721 | 48.59969121 | -99.9 | -99.9 | 0.5 | 4.1 | 127.7 | 104.00 |
| M\_011\_A | -99.9 | 6.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_011\_AA | 14.607 | 32.39123485 | -99.9 | 21.5 | 23.0 | 25.5 | 32.0 | 4.00 |
| M\_011\_A\_II | -52.833 | 52.62315395 | -99.9 | -99.9 | -99.9 | 5.4 | 19.6 | 105.30 |
| M\_011\_A\_XV | -99.9 | 1.30e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_011\_B | 18.231 | 4.20364614 | -99.9 | 16.1 | 18.1 | 20.5 | 26.8 | 4.40 |
| 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 | 14.679 | 3.98612061 | -99.9 | 12.8 | 15.0 | 16.7 | 23.9 | 3.88 |
| M\_012\_A\_XV | -99.9 | 2.99e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_012\_BOL | 8.297 | 2.69615325 | -0.6 | 6.7 | 8.9 | 10.1 | 14.8 | 3.40 |
| M\_013\_A | -99.9 | 2.99e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_013\_AA | 14.920 | 1.40207853 | 9.4 | 14.1 | 15.0 | 15.8 | 19.2 | 1.77 |
| M\_013\_A\_II | -99.691 | 4.88497725 | -99.9 | -99.9 | -99.9 | -99.9 | 14.3 | 0 |
| M\_013\_A\_XV | -99.9 | 1.30e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_013\_BOL | -3.746 | 34.98156023 | -99.9 | 4.8 | 8.5 | 11.5 | 17.1 | 6.75 |
| M\_014\_A | -99.9 | 1.49e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_014\_AA | 14.815 | 2.27100260 | -99.9 | 13.8 | 14.8 | 15.9 | 41.0 | 2.12 |
| 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 | -21.041 | 48.36468474 | -99.9 | -99.9 | 8.0 | 10.0 | 32.5 | 109.90 |
| M\_015\_A | -99.9 | 4.04e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_015\_AA | 14.505 | 1.78738207 | 8.2 | 13.3 | 14.6 | 15.7 | 21.0 | 2.38 |
| M\_015\_A\_II | 0.893 | 31.26735391 | -99.9 | 7.5 | 10.2 | 12.5 | 22.4 | 5.00 |
| M\_015\_A\_XV | -32.066 | 48.74072655 | -99.9 | -99.9 | 0.3 | 4.1 | 16.4 | 104.00 |
| M\_015\_BOL | 12.052 | 14.61029632 | -99.9 | 12.5 | 14.0 | 15.0 | 20.5 | 2.50 |
| M\_015\_H | 17.330 | 7.60360489 | -99.9 | 15.3 | 17.7 | 20.2 | 24.8 | 4.89 |
| M\_016\_A | -7.814 | 34.21103625 | -99.9 | 0.7 | 4.0 | 7.2 | 16.5 | 6.55 |
| M\_016\_AA | 13.576 | 1.68143015 | 9.9 | 12.7 | 13.6 | 14.4 | 18.7 | 1.70 |
| M\_016\_A\_II | -13.648 | 46.29484022 | -99.9 | 5.4 | 10.0 | 12.8 | 21.3 | 7.40 |
| M\_016\_A\_XV | -44.564 | 51.02234666 | -99.9 | -99.9 | -2.5 | 2.5 | 13.0 | 102.40 |
| M\_016\_BOL | -61.958 | 51.91017613 | -99.9 | -99.9 | -99.9 | 7.5 | 17.5 | 107.40 |
| M\_016\_H | 10.017 | 27.78709617 | -99.9 | 16.0 | 17.5 | 19.8 | 24.2 | 3.78 |
| M\_017\_A | -99.9 | 1.52e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_017\_AA | 14.325 | 1.40928847 | 8.8 | 13.4 | 14.3 | 15.2 | 19.7 | 1.84 |
| M\_017\_A\_II | -6.378 | 42.02937583 | -99.9 | 9.1 | 12.1 | 13.8 | 21.1 | 4.70 |
| 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 | -77.657 | 45.14773019 | -99.9 | -99.9 | -99.9 | -99.9 | 21.0 | 0 |
| M\_018\_AA | 16.712 | 1.95114179 | 7.0 | 15.6 | 16.8 | 18.0 | 22.0 | 2.43 |
| M\_018\_A\_II | -99.367 | 7.78716600 | -99.9 | -99.9 | -99.9 | -99.9 | 14.2 | 0 |
| M\_018\_A\_XV | -99.9 | 6.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_018\_BOL | -21.817 | 49.59099158 | -99.9 | -99.9 | 6.5 | 11.8 | 19.7 | 111.65 |
| M\_019\_A | 1.966 | 38.61860854 | -99.9 | 13.6 | 16.0 | 18.0 | 26.0 | 4.40 |
| M\_019\_AA | 9.454 | 2.25919006 | 6.0 | 7.8 | 9.6 | 11.5 | 12.7 | 3.75 |
| 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 | 14.564 | 12.66962972 | -99.9 | 13.0 | 16.5 | 18.5 | 25.4 | 5.50 |
| M\_020\_A | -99.9 | 1.58e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_020\_AA | 24.000 | nan | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 0 |
| M\_020\_A\_II | -99.837 | 2.64899904 | -99.9 | -99.9 | -99.9 | -99.9 | 13.7 | 0 |
| M\_020\_A\_XV | -9.274 | 34.77038604 | -99.9 | 1.1 | 3.7 | 5.5 | 19.1 | 4.45 |
| M\_020\_BOL | -61.386 | 49.88135534 | -99.9 | -99.9 | -99.9 | 0 | 14.5 | 99.9 |
| M\_021\_A | -99.9 | 1.51e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_021\_AA | 25.333 | 2.51661148 | 23.0 | 24.0 | 25.0 | 26.5 | 28.0 | 2.50 |
| M\_021\_A\_II | 7.273 | 18.12298258 | -99.9 | 7.7 | 10.3 | 12.6 | 19.0 | 4.90 |
| M\_021\_A\_XV | -95.147 | 21.75585015 | -99.9 | -99.9 | -99.9 | -99.9 | 13.4 | 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 | 23.690 | 2.21563770 | 12.3 | 23.0 | 23.8 | 25.0 | 27.7 | 2.04 |
| M\_022\_A\_II | -14.608 | 40.37491124 | -99.9 | -0.3 | 3.6 | 6.3 | 13.9 | 6.65 |
| M\_022\_A\_XV | -9.824 | 41.13150271 | -99.9 | 5.5 | 8.5 | 10.3 | 16.3 | 4.80 |
| M\_022\_BOL | -13.230 | 44.43130896 | -99.9 | 3.9 | 8.5 | 11.5 | 17.2 | 7.60 |
| M\_023\_A | -99.9 | 1.48e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_023\_AA | 22.695 | 2.37015529 | 17.2 | 21.0 | 22.5 | 24.8 | 26.7 | 3.82 |
| M\_023\_A\_II | -55.025 | 54.44697183 | -99.9 | -99.9 | -99.9 | 10.4 | 19.4 | 110.30 |
| M\_023\_A\_XV | -99.9 | 8.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_023\_BOL | 15.964 | 4.66543398 | -99.9 | 14.6 | 16.5 | 18.1 | 23.6 | 3.50 |
| M\_024\_A | -99.9 | 3.40e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_024\_AA | 21.312 | 3.01243595 | 15.7 | 18.7 | 21.0 | 24.0 | 27.8 | 5.33 |
| M\_024\_A\_II | -53.199 | 55.28815853 | -99.9 | -99.9 | -99.9 | 11.8 | 20.2 | 111.65 |
| M\_024\_A\_XV | -99.9 | 2.80e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_024\_BOL | 3.846 | 12.95377414 | -99.9 | 3.8 | 5.5 | 7.0 | 13.0 | 3.25 |
| M\_025\_A | -99.9 | 9.69e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_025\_AA | 21.295 | 6.37624136 | -99.9 | 18.9 | 21.3 | 24.5 | 28.5 | 5.59 |
| 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 | -96.331 | 20.18926846 | -99.9 | -99.9 | -99.9 | -99.9 | 23.9 | 0 |
| M\_026\_AA | 22.000 | 3.74165739 | 17.0 | 20.8 | 22.5 | 23.8 | 26.0 | 3.00 |
| M\_026\_A\_II | -99.684 | 4.93413679 | -99.9 | -99.9 | -99.9 | -99.9 | 18.3 | 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 | 17.473 | 3.35840206 | 10.3 | 14.7 | 17.1 | 20.3 | 26.1 | 5.63 |
| M\_027\_A\_II | -7.562 | 40.89707558 | -99.9 | 7.2 | 10.1 | 12.0 | 18.6 | 4.78 |
| M\_027\_A\_XV | -99.9 | 3.99e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_027\_BOL | 8.266 | 3.47021177 | -0.2 | 5.8 | 8.9 | 10.9 | 14.7 | 5.12 |
| M\_028\_AA | 15.950 | 2.49691842 | 12.0 | 14.3 | 15.7 | 17.4 | 24.1 | 3.02 |
| M\_028\_A\_II | -42.166 | 51.00804391 | -99.9 | -99.9 | -2.2 | 3.4 | 15.9 | 103.30 |
| M\_028\_A\_XV | -29.124 | 47.96397041 | -99.9 | -99.9 | 0.7 | 5.0 | 19.5 | 104.90 |
| M\_028\_BOL | -99.9 | 2.66e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_029\_AA | 17.032 | 12.21012064 | -99.9 | 15.3 | 18.0 | 21.0 | 27.8 | 5.68 |
| M\_029\_A\_II | -33.901 | 56.29032707 | -99.9 | -99.9 | 11.2 | 14.7 | 21.5 | 114.60 |
| 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 | 18.278 | 3.40765619 | 11.5 | 15.2 | 18.0 | 21.4 | 25.1 | 6.21 |
| M\_030\_A\_II | -31.936 | 51.88566004 | -99.9 | -99.9 | 3.4 | 9.1 | 19.0 | 109.00 |
| 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 | 19.999 | 2.95043316 | 13.2 | 18.2 | 20.3 | 22.3 | 25.6 | 4.13 |
| 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 | -14.404 | 42.26999161 | -99.9 | 0.8 | 5.3 | 8.7 | 16.2 | 7.80 |
| M\_032\_AA | 17.727 | 3.07200334 | 10.4 | 15.0 | 17.4 | 20.3 | 28.0 | 5.26 |
| M\_032\_A\_II | -49.865 | 53.57251166 | -99.9 | -99.9 | -99.9 | 7.2 | 18.5 | 107.10 |
| 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 | 17.909 | 4.30552303 | -99.9 | 15.2 | 17.7 | 20.6 | 27.3 | 5.45 |
| M\_033\_A\_II | -79.491 | 41.62621623 | -99.9 | -99.9 | -99.9 | -99.9 | 16.5 | 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 | 17.990 | 3.16445247 | 11.9 | 15.1 | 17.9 | 20.7 | 25.2 | 5.60 |
| M\_034\_A\_II | -27.778 | 55.63211329 | -99.9 | -99.9 | 11.3 | 16.8 | 24.8 | 116.70 |
| 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 | 11.040 | 0.98322777 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 2.00 |
| M\_035\_A\_II | -99.9 | 5.46e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_035\_A\_XV | -5.918 | 48.55172554 | -99.9 | 14.4 | 17.7 | 20.6 | 50.4 | 6.25 |
| M\_035\_BOL | 6.334 | 7.72723239 | -99.9 | 3.5 | 7.2 | 9.9 | 16.0 | 6.40 |
| M\_036\_AA | 13.841 | 0.91635824 | 12.0 | 13.2 | 13.8 | 14.5 | 16.5 | 1.25 |
| M\_036\_A\_II | -99.9 | 1.10e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_036\_A\_XV | -83.303 | 41.41067220 | -99.9 | -99.9 | -99.9 | -99.9 | 63.5 | 0 |
| M\_036\_BOL | -25.197 | 54.58424840 | -99.9 | -99.9 | 10.9 | 16.6 | 25.2 | 116.55 |
| M\_037\_AA | 11.170 | 18.08326728 | -99.9 | 11.1 | 13.9 | 17.2 | 22.2 | 6.10 |
| M\_037\_A\_II | -33.304 | 57.43060294 | -99.9 | -99.9 | 11.8 | 17.1 | 25.6 | 117.00 |
| M\_037\_A\_XV | 9.996 | 31.30770071 | -99.9 | 15.8 | 18.1 | 21.1 | 29.4 | 5.35 |
| M\_037\_BOL | -68.846 | 49.48019001 | -99.9 | -99.9 | -99.9 | 5.8 | 17.8 | 105.65 |
| M\_038\_AA | 9.095 | 4.90545534 | 0 | 7.3 | 9.0 | 13.0 | 14.0 | 5.67 |
| M\_038\_A\_II | -99.9 | 1.21e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_038\_A\_XV | 15.668 | 17.71408318 | -99.9 | 15.7 | 17.7 | 20.7 | 60.0 | 4.97 |
| M\_038\_BOL | 9.292 | 8.57713063 | -99.9 | 8.2 | 10.4 | 11.8 | 15.6 | 3.57 |
| M\_039\_AA | -49.800 | 61.23472798 | -99.9 | -99.9 | -99.9 | 24.1 | 32.8 | 124.05 |
| M\_039\_A\_II | -73.500 | 47.04187483 | -99.9 | -99.9 | -99.9 | -99.9 | 18.9 | 0 |
| M\_039\_A\_XV | 9.593 | 33.86408419 | -99.9 | 17.1 | 19.4 | 22.0 | 71.2 | 4.90 |
| M\_039\_BOL | -43.882 | 54.41036647 | -99.9 | -99.9 | 1.2 | 9.6 | 18.8 | 109.50 |
| M\_040\_AA | 26.446 | 3.78520809 | 7.3 | 24.7 | 27.0 | 28.9 | 36.2 | 4.21 |
| M\_040\_A\_II | -2.532 | 43.42005705 | -99.9 | 11.6 | 15.9 | 19.2 | 26.8 | 7.65 |
| M\_040\_A\_XV | 19.210 | 6.97739622 | -99.9 | 17.1 | 19.3 | 22.0 | 28.4 | 4.90 |
| M\_040\_BOL | -10.800 | 43.74955742 | -99.9 | 4.5 | 9.4 | 12.9 | 19.6 | 8.40 |
| M\_041\_AA | 26.174 | 3.76050509 | 8.9 | 24.8 | 27.1 | 28.5 | 34.0 | 3.73 |
| M\_041\_A\_II | -99.9 | 1.19e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_041\_A\_XV | -19.936 | 56.38173153 | -99.9 | -99.9 | 17.0 | 20.7 | 33.9 | 120.60 |
| M\_041\_BOL | 8.410 | 9.59928772 | -99.9 | 7.6 | 9.5 | 10.8 | 16.1 | 3.15 |
| M\_042\_AA | 26.089 | 5.60992138 | -99.9 | 24.2 | 26.9 | 28.7 | 38.0 | 4.48 |
| M\_042\_A\_II | -70.164 | 51.14906764 | -99.9 | -99.9 | -99.9 | 12.8 | 25.6 | 112.70 |
| M\_042\_BOL | -2.118 | 30.64244119 | -99.9 | 4.5 | 7.2 | 9.2 | 16.0 | 4.75 |
| M\_043\_AA | 20.824 | 22.86674792 | -99.9 | 23.0 | 25.5 | 27.3 | 38.0 | 4.33 |
| M\_043\_A\_II | -99.9 | 3.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_043\_BOL | 8.578 | 6.27759002 | -99.9 | 7.2 | 9.4 | 10.7 | 14.6 | 3.50 |
| M\_044\_AA | 21.000 | nan | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 0 |
| M\_044\_A\_II | 2.470 | 24.90118764 | -99.9 | 3.9 | 8.2 | 11.9 | 19.9 | 8.00 |
| M\_044\_BOL | -99.9 | 3.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_045\_AA | 24.881 | 3.95680467 | 6.0 | 23.7 | 25.8 | 27.5 | 32.6 | 3.75 |
| M\_045\_A\_II | -2.364 | 40.78258859 | -99.9 | 10.8 | 14.4 | 16.4 | 25.0 | 5.60 |
| M\_045\_BOL | -68.265 | 49.36704229 | -99.9 | -99.9 | -99.9 | 4.7 | 18.5 | 104.55 |
| M\_046\_AA | 24.061 | 6.87645975 | -99.9 | 22.5 | 25.0 | 27.0 | 34.5 | 4.52 |
| 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 | 24.637 | 3.96930614 | 8.9 | 22.7 | 25.4 | 27.2 | 35.8 | 4.44 |
| 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 | 19.000 | 0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 0 |
| M\_048\_A\_II | -99.9 | 9.53e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_048\_BOL | -0.014 | 29.06766779 | -99.9 | 5.3 | 8.3 | 10.8 | 18.9 | 5.49 |
| M\_049\_AA | 24.901 | 3.57000220 | 6.2 | 23.7 | 25.6 | 27.1 | 32.3 | 3.41 |
| M\_049\_BOL | 5.885 | 19.15784478 | -99.9 | 7.0 | 9.2 | 11.7 | 15.7 | 4.64 |
| M\_050\_AA | 25.072 | 4.06641458 | 12.7 | 23.2 | 25.9 | 27.8 | 32.4 | 4.57 |
| M\_050\_A\_II | -56.145 | 56.51702149 | -99.9 | -99.9 | -99.9 | 15.9 | 25.0 | 115.80 |
| M\_050\_BOL | -40.054 | 52.88449084 | -99.9 | -99.9 | 3.0 | 6.5 | 17.4 | 106.45 |
| M\_051\_AA | 26.163 | 3.30447845 | 10.8 | 24.6 | 26.7 | 28.1 | 33.1 | 3.50 |
| M\_051\_BOL | -99.9 | 8.03e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_052\_AA | 19.803 | 10.00863780 | -99.9 | 17.8 | 22.2 | 22.8 | 33.9 | 5.00 |
| M\_052\_BOL | 14.250 | 11.88587911 | -99.9 | 11.5 | 16.4 | 18.6 | 25.0 | 7.15 |
| M\_053\_AA | 0.140 | 49.66650458 | -99.9 | 18.3 | 24.4 | 26.5 | 42.4 | 8.21 |
| M\_053\_BOL | -8.922 | 39.97288470 | -99.9 | 4.6 | 8.0 | 10.6 | 13.7 | 6.03 |
| M\_054\_AA | 25.229 | 3.66833481 | 6.7 | 24.3 | 26.0 | 27.6 | 31.5 | 3.26 |
| M\_054\_BOL | -18.879 | 47.13751635 | -99.9 | -99.9 | 7.2 | 10.0 | 17.5 | 109.90 |
| M\_055\_AA | 25.005 | 3.58520592 | 8.1 | 23.6 | 25.7 | 27.3 | 34.4 | 3.67 |
| M\_055\_BOL | 8.914 | 3.47965242 | 1.1 | 6.3 | 10.1 | 11.7 | 14.6 | 5.40 |
| M\_056\_AA | -6.325 | 38.13002972 | -99.9 | -1.0 | 6.7 | 13.6 | 30.6 | 14.60 |
| M\_056\_BOL | 14.672 | 3.27035238 | 3.4 | 12.4 | 15.0 | 17.1 | 23.0 | 4.60 |
| M\_057\_AA | 1.888 | 13.10924617 | -99.9 | 2.2 | 3.9 | 5.0 | 13.9 | 2.80 |
| M\_057\_BOL | -99.236 | 8.50353772 | -99.9 | -99.9 | -99.9 | -99.9 | 11.0 | 0 |
| M\_058\_AA | -22.150 | 49.18705060 | -99.9 | -99.9 | 7.6 | 9.6 | 20.7 | 109.53 |
| M\_058\_BOL | -24.025 | 45.49135425 | -99.9 | -99.9 | 1.2 | 5.1 | 10.2 | 104.96 |
| M\_059\_AA | 7.104 | 2.54660255 | -99.9 | 5.8 | 7.2 | 8.4 | 14.8 | 2.56 |
| M\_059\_BOL | -99.9 | 2.97e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_060\_AA | 7.113 | 2.09114786 | -2.2 | 6.0 | 7.2 | 8.5 | 12.7 | 2.51 |
| M\_060\_BOL | 7.267 | 17.34540495 | -99.9 | 7.0 | 10.5 | 12.5 | 114.0 | 5.50 |
| M\_061\_AA | 8.052 | 2.52124274 | 0.4 | 6.8 | 8.1 | 9.5 | 15.8 | 2.68 |
| M\_061\_BOL | -99.9 | 1.71e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_062\_AA | 7.282 | 2.32055467 | -99.9 | 6.0 | 7.4 | 8.6 | 16.5 | 2.65 |
| M\_062\_BOL | -11.484 | 43.43552201 | -99.9 | 5.0 | 9.0 | 11.2 | 23.0 | 6.25 |
| M\_063\_AA | 7.113 | 2.08286783 | -2.8 | 5.7 | 7.4 | 8.6 | 13.6 | 2.85 |
| M\_063\_BOL | -6.759 | 37.06244554 | -99.9 | 3.8 | 7.5 | 10.2 | 16.0 | 6.45 |
| 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 | 20.000 | 14.14213562 | 10.0 | 15.0 | 20.0 | 25.0 | 30.0 | 10.00 |
| M\_065\_BOL | -99.9 | 1.45e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_066\_AA | 20.019 | 9.40720976 | -99.9 | 17.8 | 22.2 | 23.9 | 28.9 | 6.10 |
| M\_066\_BOL | -99.9 | 5.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_067\_AA | 25.812 | 3.79788521 | 7.2 | 24.6 | 26.6 | 28.2 | 32.2 | 3.64 |
| M\_067\_BOL | -99.9 | 1.63e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_068\_AA | 25.913 | 4.13661190 | -99.9 | 24.4 | 26.5 | 28.3 | 36.4 | 3.87 |
| M\_068\_BOL | -99.9 | 4.02e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_069\_AA | 2.982 | 48.35951063 | -99.9 | 20.0 | 25.3 | 27.6 | 39.0 | 7.57 |
| M\_069\_BOL | 5.242 | 11.89221566 | -99.9 | 2.1 | 7.0 | 10.7 | 16.8 | 8.60 |
| M\_070\_AA | 25.670 | 3.43518267 | 10.5 | 24.1 | 26.2 | 27.9 | 34.6 | 3.82 |
| M\_070\_BOL | -42.183 | 58.21850765 | -99.9 | -99.9 | -44.2 | 15.5 | 20.5 | 115.40 |
| M\_071\_AA | 25.269 | 4.06746699 | 12.6 | 23.6 | 25.9 | 27.9 | 31.5 | 4.36 |
| M\_071\_BOL | 6.399 | 1.93605035 | 0.9 | 5.3 | 6.7 | 7.7 | 11.4 | 2.30 |
| M\_072\_AA | 26.579 | 3.37452659 | 11.9 | 24.9 | 27.4 | 28.8 | 33.7 | 3.94 |
| M\_072\_BOL | -99.9 | 3.58e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_073\_AA | 25.635 | 3.62927696 | 7.0 | 24.2 | 26.3 | 27.9 | 33.6 | 3.72 |
| M\_073\_BOL | 8.266 | 6.41603845 | -99.9 | 6.1 | 9.7 | 11.6 | 14.9 | 5.51 |
| M\_074\_AA | 15.383 | 36.44609552 | -99.9 | 23.5 | 26.0 | 27.5 | 31.0 | 4.00 |
| M\_074\_BOL | -99.9 | 8.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_075\_AA | 9.845 | 9.64285931 | -99.9 | 6.1 | 12.2 | 15.0 | 22.2 | 8.90 |
| M\_075\_BOL | -99.9 | 3.58e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_076\_AA | -26.488 | 56.99946928 | -99.9 | -99.9 | 15.2 | 18.5 | 28.0 | 118.45 |
| M\_076\_BOL | -23.238 | 44.48285083 | -99.9 | -15.8 | 0.2 | 5.2 | 16.2 | 21.00 |
| M\_077\_AA | 18.507 | 5.72434663 | -99.9 | 16.7 | 18.6 | 21.0 | 27.6 | 4.33 |
| M\_077\_BOL | -16.875 | 46.43566092 | -99.9 | -0.9 | 7.1 | 11.6 | 19.2 | 12.50 |
| M\_078\_AA | 18.960 | 1.89682821 | 11.7 | 17.6 | 19.2 | 20.3 | 23.2 | 2.73 |
| M\_078\_BOL | 5.416 | 37.84966043 | -99.9 | 16.1 | 18.4 | 20.2 | 28.5 | 4.15 |
| M\_079\_AA | 17.416 | 2.49498309 | 7.2 | 15.6 | 17.5 | 19.3 | 23.8 | 3.71 |
| M\_079\_BOL | -93.124 | 27.84654437 | -99.9 | -99.9 | -99.9 | -99.9 | 23.6 | 0 |
| M\_080\_AA | 16.930 | 3.18240473 | 7.5 | 14.6 | 16.9 | 19.4 | 25.3 | 4.75 |
| M\_080\_BOL | -99.9 | 2.30e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_081\_AA | 17.303 | 2.70454937 | 7.7 | 15.4 | 17.6 | 19.3 | 24.3 | 3.85 |
| M\_081\_BOL | 9.819 | 2.73318292 | 4.0 | 7.8 | 10.2 | 11.9 | 16.4 | 4.15 |
| M\_082\_AA | 8.560 | 4.41125786 | -8.0 | 5.8 | 9.0 | 11.3 | 26.5 | 5.57 |
| M\_082\_BOL | 6.779 | 4.09818222 | -5.3 | 4.2 | 7.2 | 9.6 | 19.5 | 5.30 |
| M\_083\_AA | 8.080 | 6.24919803 | -99.9 | 4.8 | 8.6 | 11.6 | 21.1 | 6.76 |
| M\_083\_BOL | -99.9 | 7.08e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_084\_AA | 9.048 | 4.31150332 | -6.0 | 6.2 | 9.0 | 12.6 | 17.6 | 6.45 |
| M\_084\_BOL | 7.171 | 22.58790098 | -99.9 | 8.2 | 12.1 | 14.6 | 98.5 | 6.40 |
| M\_085\_AA | 6.801 | 8.13460879 | -99.9 | 3.9 | 8.0 | 11.5 | 40.0 | 7.61 |
| M\_085\_BOL | -99.9 | 8.03e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_086\_AA | 10.186 | 3.80232100 | -10.0 | 7.7 | 10.6 | 12.8 | 22.6 | 5.06 |
| M\_086\_BOL | -5.916 | 36.01929724 | -99.9 | 3.8 | 7.2 | 10.1 | 14.2 | 6.30 |
| M\_087\_AA | -0.036 | 34.18016710 | -99.9 | 8.3 | 11.3 | 13.7 | 21.6 | 5.37 |
| M\_087\_BOL | -15.758 | 50.84354187 | -99.9 | -99.9 | 13.0 | 16.6 | 27.0 | 116.50 |
| M\_088\_AA | -25.209 | 50.65740294 | -99.9 | -99.9 | 7.4 | 10.3 | 32.0 | 110.17 |
| M\_088\_BOL | -56.926 | 53.30110878 | -99.9 | -99.9 | -99.9 | 8.0 | 16.2 | 107.90 |
| M\_089\_AA | 7.605 | 17.99586342 | -99.9 | 7.7 | 11.0 | 13.4 | 22.0 | 5.73 |
| M\_089\_BOL | 8.137 | 3.09834104 | -0.6 | 5.8 | 8.7 | 10.5 | 15.9 | 4.65 |
| M\_090\_AA | 2.178 | 10.99477781 | -99.9 | -2.2 | 5.0 | 7.8 | 16.1 | 10.00 |
| M\_090\_BOL | -48.280 | 53.25873634 | -99.9 | -99.9 | -99.9 | 6.7 | 15.0 | 106.55 |
| M\_091\_AA | 10.110 | 13.48468462 | -99.9 | 9.0 | 12.0 | 14.6 | 24.0 | 5.64 |
| M\_091\_BOL | 8.888 | 3.63013089 | 0 | 6.8 | 9.7 | 11.6 | 15.8 | 4.80 |
| M\_092\_AA | 11.972 | 3.23441561 | -7.0 | 9.8 | 12.4 | 14.4 | 19.5 | 4.57 |
| M\_092\_BOL | -9.358 | 40.33875442 | -99.9 | 3.0 | 8.1 | 11.1 | 16.9 | 8.10 |
| M\_093\_AA | -21.095 | 50.75210616 | -99.9 | -99.9 | 9.7 | 13.1 | 35.8 | 112.95 |
| M\_093\_BOL | -99.9 | 3.21e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_094\_AA | 10.461 | 3.84258751 | -1.1 | 8.0 | 10.1 | 13.9 | 18.1 | 5.90 |
| M\_094\_BOL | -17.237 | 54.75968546 | -99.9 | -99.9 | 16.6 | 20.8 | 29.3 | 120.70 |
| M\_095\_AA | 11.617 | 2.64128609 | 1.1 | 9.9 | 11.9 | 13.4 | 19.8 | 3.50 |
| M\_095\_BOL | -35.187 | 51.20314492 | -99.9 | -99.9 | 0.9 | 6.6 | 20.0 | 106.50 |
| M\_096\_AA | 11.675 | 3.29210978 | -8.1 | 9.3 | 12.2 | 14.1 | 21.5 | 4.84 |
| M\_096\_BOL | -3.992 | 36.52812344 | -99.9 | 5.8 | 9.3 | 11.6 | 23.0 | 5.85 |
| M\_097\_AA | 11.139 | 3.30500641 | -6.4 | 8.9 | 11.8 | 13.5 | 20.7 | 4.61 |
| M\_097\_BOL | -99.9 | 2.73e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_098\_AA | 5.487 | 1.63780009 | 1.2 | 4.5 | 5.5 | 6.6 | 10.2 | 2.07 |
| M\_098\_BOL | -73.596 | 46.42071953 | -99.9 | -99.9 | -99.9 | -99.9 | 22.0 | 0 |
| M\_099\_AA | 22.712 | 4.05872599 | 13.1 | 20.0 | 23.9 | 25.5 | 29.3 | 5.50 |
| M\_099\_BOL | -99.9 | 2.52e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_100\_AA | 23.699 | 3.54990871 | 7.9 | 22.0 | 24.6 | 26.3 | 30.5 | 4.27 |
| M\_100\_BOL | 9.906 | 2.73893021 | -2.0 | 8.2 | 10.4 | 12.0 | 15.9 | 3.75 |
| M\_101\_AA | 23.486 | 3.67733679 | 9.2 | 21.8 | 24.4 | 26.0 | 31.3 | 4.17 |
| M\_101\_BOL | -99.9 | 4.27e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_102\_AA | 23.368 | 4.01244607 | -99.9 | 21.7 | 24.4 | 26.0 | 31.4 | 4.27 |
| M\_102\_BOL | -34.909 | 53.73544450 | -99.9 | -99.9 | 4.8 | 11.2 | 20.3 | 111.10 |
| M\_103\_AA | 19.986 | 10.83492258 | -99.9 | 17.8 | 22.2 | 23.9 | 32.2 | 6.10 |
| M\_103\_BOL | -99.9 | 1.54e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_104\_AA | -14.625 | 57.51593181 | -99.9 | -99.9 | 22.6 | 25.9 | 32.9 | 125.80 |
| M\_104\_BOL | -99.9 | 5.55e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_105\_AA | 25.008 | 4.18349226 | 8.7 | 23.2 | 26.1 | 27.9 | 32.9 | 4.61 |
| M\_105\_BOL | -99.9 | 7.11e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_106\_AA | 25.000 | 4.81289881 | -99.9 | 23.0 | 26.0 | 27.9 | 35.9 | 4.93 |
| M\_106\_BOL | 4.713 | 11.52234659 | -99.9 | 2.5 | 6.0 | 9.2 | 17.1 | 6.70 |
| M\_107\_AA | 25.032 | 4.16112903 | 9.9 | 23.0 | 25.8 | 28.0 | 32.9 | 5.00 |
| M\_107\_BOL | -96.009 | 21.29313340 | -99.9 | -99.9 | -99.9 | -99.9 | 161.5 | 0 |
| M\_108\_AA | 24.579 | 4.54628248 | 12.5 | 21.6 | 25.8 | 27.8 | 32.3 | 6.25 |
| M\_109\_AA | 24.635 | 4.03750128 | 6.9 | 22.5 | 25.4 | 27.6 | 32.7 | 5.04 |
| M\_109\_BOL | -29.868 | 49.19042767 | -99.9 | -99.9 | 2.8 | 5.9 | 12.0 | 105.76 |
| M\_110\_AA | 27.161 | 4.57038014 | 14.2 | 24.8 | 28.0 | 30.6 | 35.0 | 5.71 |
| M\_110\_BOL | 2.265 | 26.87713576 | -99.9 | 5.3 | 9.2 | 12.2 | 60.0 | 6.90 |
| M\_111\_AA | 27.782 | 4.38302182 | 7.7 | 25.8 | 28.5 | 30.6 | 37.6 | 4.80 |
| M\_111\_BOL | 9.426 | 14.55719151 | -99.9 | 7.5 | 12.2 | 14.4 | 50.2 | 6.95 |
| M\_112\_AA | 28.632 | 3.95656046 | 13.1 | 26.6 | 29.3 | 31.4 | 36.8 | 4.82 |
| M\_112\_BOL | -99.9 | 1.82e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_113\_AA | 27.219 | 4.47139037 | 8.3 | 25.5 | 28.1 | 30.1 | 36.6 | 4.66 |
| M\_113\_BOL | -10.381 | 40.58307023 | -99.9 | 1.7 | 6.7 | 10.8 | 20.0 | 9.05 |
| M\_114\_AA | 27.136 | 4.15015932 | 11.2 | 25.0 | 27.8 | 29.8 | 38.6 | 4.78 |
| M\_114\_BOL | -99.9 | 1.57e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_115\_AA | 26.818 | 6.36716100 | -99.9 | 24.7 | 27.9 | 30.1 | 37.4 | 5.45 |
| M\_115\_BOL | -60.002 | 51.37023044 | -99.9 | -99.9 | -99.9 | 4.0 | 16.2 | 103.95 |
| M\_116\_AA | 21.053 | 11.17782244 | -99.9 | 20.0 | 22.8 | 25.0 | 36.1 | 5.00 |
| M\_116\_BOL | -99.9 | 2.93e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_117\_AA | -3.107 | 53.46970941 | -99.9 | 14.7 | 25.5 | 28.5 | 39.0 | 13.83 |
| M\_117\_BOL | -87.288 | 34.83887250 | -99.9 | -99.9 | -99.9 | -99.9 | 20.2 | 0 |
| M\_118\_AA | 18.297 | 3.48896649 | 1.0 | 16.5 | 18.8 | 20.7 | 27.2 | 4.26 |
| M\_119\_AA | -8.692 | 49.34657524 | -99.9 | 11.5 | 17.1 | 19.6 | 25.2 | 8.13 |
| M\_119\_BOL | -39.160 | 57.80447204 | -99.9 | -99.9 | 8.0 | 16.5 | 32.1 | 116.40 |
| M\_120\_AA | 17.626 | 3.56610874 | 6.7 | 16.1 | 18.3 | 20.0 | 25.8 | 3.88 |
| M\_120\_BOL | -26.115 | 51.21854721 | -99.9 | -99.9 | 8.2 | 10.5 | 18.0 | 110.40 |
| M\_121\_AA | 17.829 | 4.47591261 | -99.9 | 16.1 | 18.4 | 20.3 | 28.2 | 4.15 |
| M\_121\_BOL | -41.797 | 54.06587135 | -99.9 | -99.9 | 1.9 | 9.6 | 19.1 | 109.50 |
| M\_122\_AA | 26.750 | 4.83173478 | 7.6 | 24.7 | 28.0 | 30.0 | 35.1 | 5.29 |
| M\_122\_BOL | -99.9 | 3.44e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_123\_AA | 21.487 | 11.89927712 | -99.9 | 18.9 | 23.9 | 26.1 | 32.8 | 7.20 |
| M\_123\_BOL | -40.446 | 52.47379641 | -99.9 | -99.9 | 0.6 | 6.8 | 17.3 | 106.70 |
| M\_124\_AA | 26.893 | 4.83502984 | 7.0 | 24.5 | 28.0 | 30.2 | 38.3 | 5.68 |
| M\_124\_BOL | -99.9 | 1.61e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_125\_AA | 26.500 | 4.78571291 | 6.3 | 24.3 | 27.5 | 29.8 | 36.0 | 5.50 |
| M\_126\_AA | 26.739 | 4.55592752 | 11.2 | 24.3 | 27.7 | 29.8 | 37.9 | 5.48 |
| M\_126\_BOL | -0.645 | 27.14318232 | -99.9 | 3.4 | 6.8 | 9.2 | 15.9 | 5.85 |
| M\_127\_AA | 25.728 | 5.03492404 | 12.3 | 22.0 | 27.0 | 29.3 | 34.5 | 7.30 |
| M\_127\_BOL | -99.9 | 1.16e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_128\_AA | 0.931 | 50.85799476 | -99.9 | 17.4 | 26.0 | 29.1 | 39.0 | 11.69 |
| M\_128\_BOL | -99.9 | 2.37e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_129\_AA | 26.667 | 4.72581563 | 23.0 | 24.0 | 25.0 | 28.5 | 32.0 | 4.50 |
| M\_129\_BOL | -55.571 | 53.94138836 | -99.9 | -99.9 | -99.9 | 9.5 | 31.2 | 109.40 |
| M\_130\_AA | 16.000 | 2.77962543 | 3.1 | 14.4 | 16.1 | 17.9 | 25.5 | 3.52 |
| M\_131\_AA | 15.887 | 4.15710258 | -99.9 | 14.1 | 16.0 | 17.9 | 28.6 | 3.74 |
| M\_131\_BOL | 9.181 | 2.57379119 | 1.6 | 7.5 | 9.6 | 11.2 | 14.6 | 3.70 |
| M\_132\_AA | 15.452 | 2.51154414 | 3.6 | 13.8 | 15.5 | 17.2 | 22.4 | 3.44 |
| M\_132\_BOL | -99.9 | 3.27e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_133\_AA | 15.406 | 2.39216756 | 6.5 | 13.9 | 15.5 | 17.0 | 22.3 | 3.14 |
| M\_133\_BOL | -99.9 | 1.41e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_134\_AA | 15.567 | 2.81653138 | 3.5 | 13.9 | 15.8 | 17.1 | 24.0 | 3.27 |
| M\_134\_BOL | -99.9 | 1.60e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_135\_AA | -15.623 | 51.40510698 | -99.9 | -99.9 | 14.4 | 16.8 | 28.0 | 116.70 |
| M\_135\_BOL | -98.188 | 13.79998799 | -99.9 | -99.9 | -99.9 | -99.9 | 15.6 | 0 |
| M\_136\_AA | 16.450 | 3.22765386 | -12.1 | 14.6 | 16.5 | 18.5 | 45.1 | 3.88 |
| M\_136\_BOL | 2.800 | 22.94071685 | -99.9 | 5.2 | 8.3 | 10.0 | 14.3 | 4.75 |
| M\_137\_AA | 14.083 | 1.64783870 | 10.6 | 12.8 | 14.3 | 15.1 | 18.0 | 2.28 |
| M\_137\_BOL | -99.9 | 1.03e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_138\_AA | 10.092 | 2.53667997 | -1.6 | 8.7 | 10.2 | 11.8 | 18.3 | 3.09 |
| M\_138\_BOL | -42.021 | 53.69130162 | -99.9 | -99.9 | 2.0 | 8.5 | 16.9 | 108.40 |
| M\_139\_AA | 10.021 | 2.56749348 | -1.1 | 8.4 | 10.1 | 11.6 | 21.5 | 3.17 |
| M\_139\_BOL | 7.537 | 12.77372764 | -99.9 | 6.7 | 9.1 | 11.1 | 17.7 | 4.40 |
| M\_140\_AA | 10.084 | 3.48260896 | -99.9 | 8.2 | 10.2 | 12.2 | 30.0 | 4.00 |
| M\_141\_AA | 11.274 | 2.17571605 | 3.5 | 10.0 | 11.5 | 12.8 | 16.0 | 2.79 |
| M\_141\_BOL | -99.9 | 8.53e-14 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_142\_AA | 9.565 | 2.97820837 | 3.4 | 8.0 | 9.3 | 11.0 | 16.2 | 2.98 |
| M\_142\_BOL | -40.824 | 59.00138105 | -99.9 | -99.9 | 9.1 | 18.8 | 26.1 | 118.70 |
| M\_143\_AA | 10.950 | 2.45897189 | 0.4 | 9.3 | 10.9 | 12.7 | 22.1 | 3.33 |
| M\_143\_BOL | -0.388 | 39.00073012 | -99.9 | 9.8 | 14.5 | 17.5 | 28.0 | 7.75 |
| M\_144\_AA | 0.252 | 30.77289820 | -99.9 | 6.5 | 9.3 | 11.7 | 29.0 | 5.17 |
| M\_144\_BOL | -66.139 | 52.45358744 | -99.9 | -99.9 | -99.9 | 11.0 | 23.5 | 110.90 |
| M\_145\_AA | 10.000 | nan | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 0 |
| M\_145\_BOL | -62.912 | 51.18864394 | -99.9 | -99.9 | -99.9 | 5.3 | 14.8 | 105.23 |
| M\_146\_AA | 19.422 | 5.53419604 | 7.0 | 15.0 | 20.4 | 24.2 | 31.4 | 9.25 |
| M\_146\_BOL | -99.9 | 1.40e-11 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_147\_AA | 22.716 | 6.03568128 | -99.9 | 19.4 | 23.2 | 26.7 | 38.3 | 7.34 |
| M\_147\_BOL | -99.9 | 2.00e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_148\_AA | 23.562 | 4.53734282 | 7.8 | 20.2 | 24.4 | 26.6 | 33.9 | 6.40 |
| M\_148\_BOL | -99.9 | 9.25e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_149\_AA | 21.650 | 5.30551783 | 3.8 | 18.7 | 22.2 | 25.5 | 33.1 | 6.79 |
| M\_149\_BOL | -1.280 | 29.61644401 | -99.9 | 2.2 | 6.9 | 11.3 | 20.2 | 9.15 |
| M\_150\_AA | 21.530 | 5.21367384 | 6.6 | 18.0 | 21.8 | 25.5 | 35.4 | 7.47 |
| M\_150\_BOL | -99.9 | 6.68e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_151\_AA | 21.476 | 5.21883819 | -1.0 | 18.1 | 22.0 | 25.2 | 35.7 | 7.09 |
| M\_151\_BOL | -99.9 | 6.69e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_152\_AA | 22.463 | 5.53175257 | 10.4 | 18.5 | 23.2 | 26.9 | 33.0 | 8.47 |
| M\_152\_BOL | -34.786 | 54.94347017 | -99.9 | -99.9 | 6.0 | 13.1 | 22.8 | 113.00 |
| M\_153\_AA | 22.849 | 4.99041330 | 2.3 | 19.9 | 23.6 | 26.5 | 34.1 | 6.60 |
| M\_153\_BOL | -38.620 | 52.82987908 | -99.9 | -99.9 | 2.0 | 8.0 | 16.5 | 107.90 |
| M\_154\_AA | 24.882 | 4.42951798 | 10.9 | 21.8 | 25.7 | 27.9 | 36.7 | 6.08 |
| M\_154\_BOL | -27.591 | 54.55395673 | -99.9 | -99.9 | 10.8 | 15.0 | 20.0 | 114.90 |
| M\_155\_AA | 23.080 | 6.21370764 | -99.9 | 20.2 | 23.8 | 26.9 | 38.0 | 6.70 |
| M\_155\_BOL | -99.9 | 5.12e-13 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_156\_AA | 23.759 | 4.70654323 | 7.8 | 20.9 | 24.6 | 27.2 | 33.1 | 6.22 |
| M\_156\_BOL | -99.9 | 4.79e-12 | -99.9 | -99.9 | -99.9 | -99.9 | -99.9 | 0 |
| M\_157\_AA | 23.630 | 5.18386746 | -1.7 | 20.3 | 24.2 | 27.4 | 37.3 | 7.11 |
| M\_157\_BOL | -2.833 | 35.12539401 | -99.9 | 5.8 | 8.9 | 12.0 | 22.4 | 6.25 |
| M\_158\_AA | 23.088 | 5.10852078 | 8.1 | 19.9 | 23.8 | 26.9 | 35.4 | 6.99 |
| M\_159\_AA | 16.592 | 9.90188073 | -99.9 | 12.8 | 17.8 | 21.1 | 28.9 | 8.30 |
| M\_160\_AA | -25.186 | 60.67865805 | -99.9 | -99.9 | 19.0 | 25.5 | 38.0 | 125.44 |
| M\_161\_AA | 16.004 | 5.98924602 | 5.8 | 11.6 | 17.1 | 21.0 | 25.7 | 9.45 |
| M\_162\_AA | 7.845 | 23.10122313 | -99.9 | 7.5 | 12.5 | 16.7 | 26.1 | 9.12 |
| M\_163\_AA | 1.284 | 15.98888309 | -99.9 | -2.2 | 5.0 | 7.8 | 13.9 | 10.00 |
| M\_164\_AA | 4.761 | 24.73339857 | -99.9 | 5.5 | 10.6 | 14.4 | 20.0 | 8.93 |
| M\_165\_AA | 24.256 | 5.49649820 | 4.2 | 20.4 | 24.7 | 28.4 | 37.8 | 7.97 |
| M\_166\_AA | 26.465 | 4.91581682 | 12.8 | 23.3 | 26.9 | 29.8 | 38.8 | 6.49 |
| M\_167\_AA | 24.832 | 5.60440618 | 7.7 | 21.1 | 25.6 | 29.3 | 36.9 | 8.22 |
| M\_168\_AA | 24.562 | 8.72717743 | -99.9 | 20.7 | 25.3 | 29.3 | 40.0 | 8.62 |
| M\_169\_AA | 24.585 | 5.81573374 | 8.0 | 20.2 | 24.8 | 29.2 | 39.1 | 8.92 |
| M\_170\_AA | 19.382 | 4.29980215 | -0.7 | 17.1 | 20.2 | 22.5 | 27.9 | 5.46 |
| M\_171\_AA | 19.030 | 4.30870604 | -0.1 | 16.4 | 19.7 | 22.2 | 28.3 | 5.76 |
| M\_172\_AA | 19.233 | 5.29176365 | -99.9 | 16.6 | 19.9 | 22.4 | 37.0 | 5.84 |
| M\_173\_AA | 18.939 | 10.07207119 | -99.9 | 15.8 | 20.0 | 23.2 | 33.0 | 7.39 |
| M\_174\_AA | 7.843 | 36.22475523 | -99.9 | 15.6 | 19.8 | 22.8 | 32.2 | 7.22 |
| M\_175\_AA | 18.607 | 4.38287279 | -1.9 | 16.0 | 19.2 | 21.8 | 28.7 | 5.81 |
| M\_176\_AA | 20.157 | 4.08942703 | 1.0 | 18.2 | 20.8 | 22.9 | 29.0 | 4.69 |
| M\_177\_AA | 22.555 | 5.57775432 | 3.2 | 18.6 | 23.0 | 27.0 | 36.0 | 8.43 |
| M\_178\_AA | 24.025 | 9.80511658 | -99.9 | 21.4 | 25.2 | 27.8 | 35.3 | 6.40 |
| M\_179\_AA | 20.737 | 5.25114336 | 3.8 | 17.6 | 21.2 | 24.4 | 33.5 | 6.83 |
| M\_180\_AA | 16.640 | 11.52531694 | -99.9 | 12.8 | 17.8 | 22.2 | 32.2 | 9.40 |
| M\_181\_AA | 22.927 | 5.26429900 | 6.8 | 19.3 | 23.6 | 27.1 | 33.1 | 7.82 |
| M\_182\_AA | 22.498 | 5.55088347 | 4.0 | 18.6 | 23.0 | 26.6 | 36.8 | 7.99 |
| M\_183\_AA | 2.383 | 46.31978108 | -99.9 | 15.0 | 21.9 | 26.7 | 39.2 | 11.67 |
| M\_184\_AA | 22.303 | 5.74609803 | 7.3 | 18.3 | 22.7 | 26.7 | 35.7 | 8.37 |
| M\_185\_AA | 21.578 | 13.90972630 | -99.9 | 18.0 | 23.0 | 27.6 | 36.5 | 9.59 |
| M\_186\_AA | 14.398 | 5.62500383 | 4.6 | 9.6 | 14.5 | 20.1 | 22.2 | 10.45 |
| M\_187\_AA | -31.178 | 55.79054801 | -99.9 | -99.9 | 9.1 | 15.0 | 24.4 | 114.90 |
| M\_188\_AA | 22.129 | 8.45083223 | -99.9 | 18.7 | 22.3 | 26.9 | 40.2 | 8.27 |
| M\_189\_AA | 22.930 | 5.94895668 | 3.4 | 18.4 | 23.3 | 27.4 | 40.1 | 8.95 |
| M\_190\_AA | 25.110 | 4.77507150 | 9.7 | 22.2 | 25.2 | 28.8 | 33.9 | 6.55 |
| M\_191\_AA | 23.890 | 6.50993643 | -99.9 | 19.8 | 24.1 | 28.4 | 40.0 | 8.57 |
| M\_192\_AA | 20.225 | 5.48805449 | 11.1 | 15.7 | 20.7 | 23.6 | 29.3 | 7.93 |
| M\_193\_AA | 16.824 | 7.34484107 | -99.9 | 15.0 | 17.2 | 18.9 | 25.0 | 3.90 |
| M\_194\_AA | 19.228 | 2.47705707 | 12.6 | 17.1 | 19.2 | 21.3 | 25.9 | 4.24 |
| M\_195\_AA | 18.968 | 2.70272542 | 13.6 | 16.4 | 18.6 | 21.6 | 24.7 | 5.19 |
| M\_196\_AA | 18.972 | 2.54701402 | 13.3 | 16.6 | 18.7 | 21.4 | 25.0 | 4.75 |
| M\_197\_AA | 18.779 | 5.52444244 | -99.9 | 16.6 | 18.6 | 21.2 | 29.5 | 4.59 |
| M\_198\_AA | 19.340 | 2.86501629 | 11.2 | 16.9 | 18.9 | 21.6 | 28.5 | 4.66 |
| M\_199\_AA | 17.864 | 12.09689216 | -99.9 | 16.0 | 18.2 | 21.5 | 33.0 | 5.49 |
| M\_200\_AA | 17.284 | 5.34121167 | -99.9 | 15.0 | 17.2 | 20.0 | 32.2 | 5.00 |
| M\_201\_AA | 18.798 | 2.77004965 | 12.1 | 16.5 | 18.6 | 21.4 | 24.7 | 4.90 |
| M\_202\_AA | 19.694 | 1.79578320 | 16.3 | 18.6 | 19.2 | 21.1 | 22.9 | 2.51 |
| M\_203\_AA | 19.840 | 2.69410350 | 10.5 | 18.0 | 20.1 | 22.0 | 29.0 | 4.00 |
| M\_204\_AA | 18.261 | 7.91236192 | -99.9 | 17.2 | 18.7 | 20.5 | 25.0 | 3.25 |
| M\_205\_AA | 14.624 | 15.18105039 | -99.9 | 15.0 | 17.2 | 17.8 | 22.8 | 2.80 |
| M\_206\_AA | 17.507 | 5.14312807 | -99.9 | 15.7 | 17.5 | 19.8 | 26.1 | 4.10 |
| M\_207\_AA | 18.643 | 3.72195639 | -99.9 | 16.6 | 18.4 | 20.7 | 27.3 | 4.10 |
| M\_208\_AA | 14.609 | 11.91016819 | -99.9 | 12.6 | 15.5 | 18.5 | 30.0 | 5.88 |
| M\_209\_AA | 12.665 | 18.97021969 | -99.9 | 13.0 | 15.0 | 18.5 | 26.0 | 5.50 |
| M\_210\_AA | 18.237 | 2.72417363 | 13.0 | 15.8 | 17.8 | 20.8 | 24.4 | 5.03 |
| M\_211\_AA | 18.271 | 2.50491080 | 13.1 | 16.1 | 17.8 | 20.4 | 24.8 | 4.35 |
| M\_212\_AA | 18.401 | 2.59449082 | 12.6 | 16.3 | 18.2 | 20.5 | 26.3 | 4.25 |
| M\_213\_AA | 20.234 | 1.23204863 | 17.4 | 19.4 | 20.4 | 20.9 | 22.4 | 1.48 |
| M\_214\_AA | 12.250 | 3.46482323 | 9.8 | 11.0 | 12.2 | 13.5 | 14.7 | 2.45 |
| M\_215\_AA | 19.144 | 1.34359363 | 15.3 | 18.7 | 19.1 | 20.1 | 21.7 | 1.40 |
| M\_216\_AA | 16.197 | 12.18973671 | -99.9 | 14.7 | 18.0 | 20.5 | 28.3 | 5.83 |
| M\_217\_AA | 11.853 | 3.38743744 | 1.1 | 8.9 | 12.2 | 13.9 | 25.0 | 5.00 |
| M\_218\_AA | 17.162 | 3.32250185 | 3.4 | 14.7 | 17.8 | 19.7 | 26.6 | 4.98 |
| M\_219\_AA | 15.247 | 3.96195799 | 3.2 | 14.3 | 15.4 | 16.6 | 20.4 | 2.22 |
| M\_220\_AA | 18.069 | 2.79388127 | 4.4 | 16.1 | 18.6 | 20.1 | 24.2 | 3.93 |
| M\_221\_AA | 17.429 | 8.46228505 | -99.9 | 15.7 | 18.4 | 20.3 | 27.0 | 4.62 |
| M\_222\_AA | 16.615 | 2.58631510 | 11.4 | 14.3 | 16.2 | 19.1 | 22.2 | 4.79 |
| M\_223\_AA | 16.641 | 2.34679343 | 11.1 | 14.7 | 16.3 | 18.6 | 23.3 | 3.91 |
| M\_224\_AA | 17.106 | 2.28264157 | 11.8 | 15.2 | 17.0 | 19.1 | 24.8 | 3.86 |
| M\_225\_AA | 16.490 | 2.55088011 | 10.8 | 14.4 | 16.1 | 18.6 | 24.2 | 4.25 |
| M\_226\_AA | 16.809 | 4.34960967 | -99.9 | 14.8 | 16.6 | 19.1 | 24.9 | 4.26 |
| M\_227\_AA | 15.784 | 6.05919814 | -99.9 | 13.9 | 16.0 | 18.1 | 23.9 | 4.15 |
| M\_228\_AA | 15.993 | 10.27137397 | -99.9 | 14.3 | 16.5 | 18.8 | 26.0 | 4.49 |
| M\_229\_AA | 12.113 | 25.21438651 | -99.9 | 14.8 | 17.2 | 20.0 | 27.2 | 5.15 |
| M\_230\_AA | 15.216 | 5.11425477 | -99.9 | 12.8 | 15.0 | 17.8 | 23.9 | 5.00 |
| M\_231\_AA | 6.932 | 26.34522461 | -99.9 | 5.5 | 10.0 | 20.0 | 24.0 | 14.50 |
| M\_232\_AA | -66.385 | 52.63166935 | -99.9 | -99.9 | -99.9 | 6.0 | 52.0 | 105.90 |
| M\_233\_AA | -95.645 | 23.68993934 | -99.9 | -99.9 | -99.9 | -99.9 | 32.0 | 0 |
| M\_234\_AA | 5.666 | 6.61412464 | -99.9 | 2.2 | 7.2 | 10.0 | 20.0 | 7.80 |
| M\_235\_AA | 16.839 | 2.78359068 | 3.6 | 15.1 | 17.2 | 18.8 | 23.9 | 3.79 |
| M\_236\_AA | 23.062 | 16.16955343 | -99.9 | 21.5 | 26.0 | 29.0 | 38.0 | 7.50 |
| M\_237\_AA | 24.798 | 8.15413112 | -99.9 | 21.2 | 25.8 | 29.4 | 42.6 | 8.15 |
| M\_238\_AA | 6.500 | nan | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 0 |
| M\_239\_AA | 24.824 | 2.63356446 | 21.0 | 23.0 | 24.0 | 27.5 | 29.0 | 4.50 |
| M\_240\_AA | 17.900 | nan | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 0 |
| M\_241\_AA | -0.719 | 27.09932243 | -99.9 | -1.1 | 5.5 | 13.8 | 20.9 | 14.88 |
| M\_242\_AA | 26.149 | 6.35051282 | 4.4 | 22.4 | 26.8 | 30.4 | 40.8 | 8.03 |
| M\_243\_AA | 24.871 | 8.65414482 | -99.9 | 20.8 | 25.8 | 29.8 | 41.6 | 9.05 |
| M\_244\_AA | 23.909 | 3.85028250 | 16.0 | 21.2 | 23.8 | 27.0 | 30.0 | 5.75 |
| M\_245\_AA | 22.214 | 7.65810441 | -99.9 | 18.9 | 22.8 | 27.2 | 35.4 | 8.30 |
| M\_246\_AA | 25.590 | 5.64382155 | 6.8 | 22.0 | 26.8 | 29.9 | 37.1 | 7.93 |
| M\_247\_AA | 25.059 | 8.38359294 | -99.9 | 21.4 | 26.2 | 29.8 | 41.0 | 8.39 |
| M\_248\_AA | 25.395 | 6.18108258 | 8.1 | 21.0 | 26.4 | 30.1 | 38.0 | 9.01 |
| M\_249\_AA | 25.854 | 5.81830547 | 19.0 | 22.2 | 25.2 | 28.4 | 37.0 | 6.12 |
| M\_250\_AA | 18.276 | 7.59249517 | 7.1 | 11.1 | 18.4 | 25.6 | 29.5 | 14.45 |
| M\_251\_AA | 4.150 | 5.74717322 | -2.7 | 0.4 | 5.2 | 8.9 | 9.0 | 8.40 |
| M\_252\_AA | -63.667 | 62.75797426 | -99.9 | -99.9 | -99.9 | -45.5 | 8.8 | 54.35 |
| M\_253\_AA | 22.246 | 6.31115151 | -2.0 | 19.0 | 23.0 | 26.6 | 35.0 | 7.62 |
| M\_254\_AA | 6.367 | 7.19247810 | -99.9 | 2.2 | 7.8 | 11.1 | 26.1 | 8.90 |
| M\_255\_AA | 10.938 | 5.52554439 | -99.9 | 8.2 | 11.7 | 14.1 | 43.0 | 5.87 |
| M\_256\_AA | 16.000 | nan | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 0 |
| M\_257\_AA | 22.978 | 7.12199447 | -99.9 | 18.9 | 23.1 | 27.4 | 42.8 | 8.50 |
| M\_258\_AA | 22.241 | 5.48680220 | 5.9 | 18.7 | 22.8 | 26.8 | 33.3 | 8.10 |
| M\_259\_AA | 21.852 | 5.97373633 | -99.9 | 18.0 | 22.5 | 26.0 | 38.7 | 7.99 |
| M\_260\_AA | 22.148 | 5.52800988 | 8.4 | 18.5 | 22.3 | 26.5 | 36.8 | 8.00 |
| M\_261\_AA | 19.000 | nan | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 0 |
| M\_262\_AA | 1.437 | 47.61850665 | -99.9 | 12.8 | 21.1 | 27.5 | 42.5 | 14.70 |
| M\_263\_AA | 29.500 | 7.77817459 | 24.0 | 26.8 | 29.5 | 32.2 | 35.0 | 5.50 |
| M\_264\_AA | 22.182 | 5.97644494 | 4.0 | 17.7 | 22.1 | 27.0 | 35.5 | 9.30 |
| M\_265\_AA | 22.255 | 7.37202445 | -99.9 | 18.5 | 22.9 | 26.7 | 40.7 | 8.16 |
| M\_266\_AA | 21.587 | 5.34470312 | 5.3 | 18.1 | 22.0 | 25.8 | 35.9 | 7.73 |
| M\_267\_AA | 19.000 | nan | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 0 |
| M\_268\_AA | -0.952 | 22.34220894 | -99.9 | -0.6 | 4.0 | 7.0 | 26.0 | 7.62 |
| M\_269\_AA | 19.616 | 5.18558323 | 3.3 | 16.3 | 20.3 | 23.8 | 29.7 | 7.50 |
| M\_270\_AA | 18.849 | 5.33654760 | 3.9 | 15.2 | 19.5 | 22.9 | 33.4 | 7.69 |
| M\_271\_AA | 10.662 | 5.14078869 | 3.3 | 5.9 | 10.4 | 14.9 | 21.0 | 9.06 |
| M\_272\_AA | 19.026 | 5.45857209 | -99.9 | 15.2 | 19.8 | 23.1 | 35.4 | 7.92 |
| M\_273\_AA | 19.170 | 5.39264368 | 3.2 | 15.6 | 19.5 | 23.0 | 33.2 | 7.42 |
| M\_274\_AA | 17.000 | nan | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 0 |
| M\_275\_AA | 13.352 | 8.89537036 | -99.9 | 8.9 | 13.9 | 17.8 | 32.8 | 8.90 |
| M\_276\_AA | 16.740 | 6.31903347 | -99.9 | 13.1 | 17.1 | 21.1 | 33.9 | 8.05 |
| M\_277\_AA | 16.862 | 5.09308454 | 0.3 | 13.7 | 17.6 | 21.0 | 26.8 | 7.31 |
| M\_278\_AA | 16.591 | 6.06501838 | -99.9 | 13.5 | 17.4 | 20.5 | 29.0 | 7.02 |
| M\_279\_AA | 16.444 | 5.09549291 | -0.9 | 12.8 | 17.2 | 20.4 | 30.3 | 7.63 |
| M\_280\_AA | 11.303 | 15.32282050 | -99.9 | 10.5 | 13.6 | 16.0 | 22.0 | 5.50 |
| M\_281\_AA | 20.483 | 8.63173257 | -99.9 | 16.2 | 21.3 | 25.1 | 36.0 | 8.88 |
| M\_282\_AA | 18.943 | 6.63807518 | 4.0 | 15.0 | 19.5 | 23.0 | 33.0 | 8.00 |
| M\_283\_AA | 15.608 | 19.95959718 | -99.9 | 13.9 | 18.9 | 22.8 | 32.2 | 8.90 |
| M\_284\_AA | 23.169 | 9.50228623 | -99.9 | 19.0 | 24.0 | 28.4 | 46.0 | 9.35 |
| M\_285\_AA | 23.338 | 6.63218648 | 3.8 | 19.0 | 23.6 | 27.8 | 40.0 | 8.78 |
| M\_286\_AA | 23.977 | 6.11565859 | 5.4 | 20.3 | 25.0 | 28.8 | 38.2 | 8.53 |
| M\_287\_AA | 23.230 | 7.21172860 | -99.9 | 19.1 | 24.3 | 27.9 | 38.1 | 8.83 |
| M\_288\_AA | 23.348 | 6.31816224 | -99.9 | 19.1 | 24.1 | 27.9 | 40.0 | 8.77 |
| M\_289\_AA | 22.757 | 5.58709660 | 10.7 | 19.0 | 22.5 | 27.1 | 34.8 | 8.08 |
| M\_290\_AA | 21.000 | nan | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 0 |
| M\_291\_AA | 20.000 | nan | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 0 |
| M\_292\_AA | 27.000 | nan | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 0 |
| M\_293\_AA | 18.950 | 8.41457070 | 13.0 | 16.0 | 18.9 | 21.9 | 24.9 | 5.95 |
| M\_294\_AA | 29.000 | nan | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 0 |