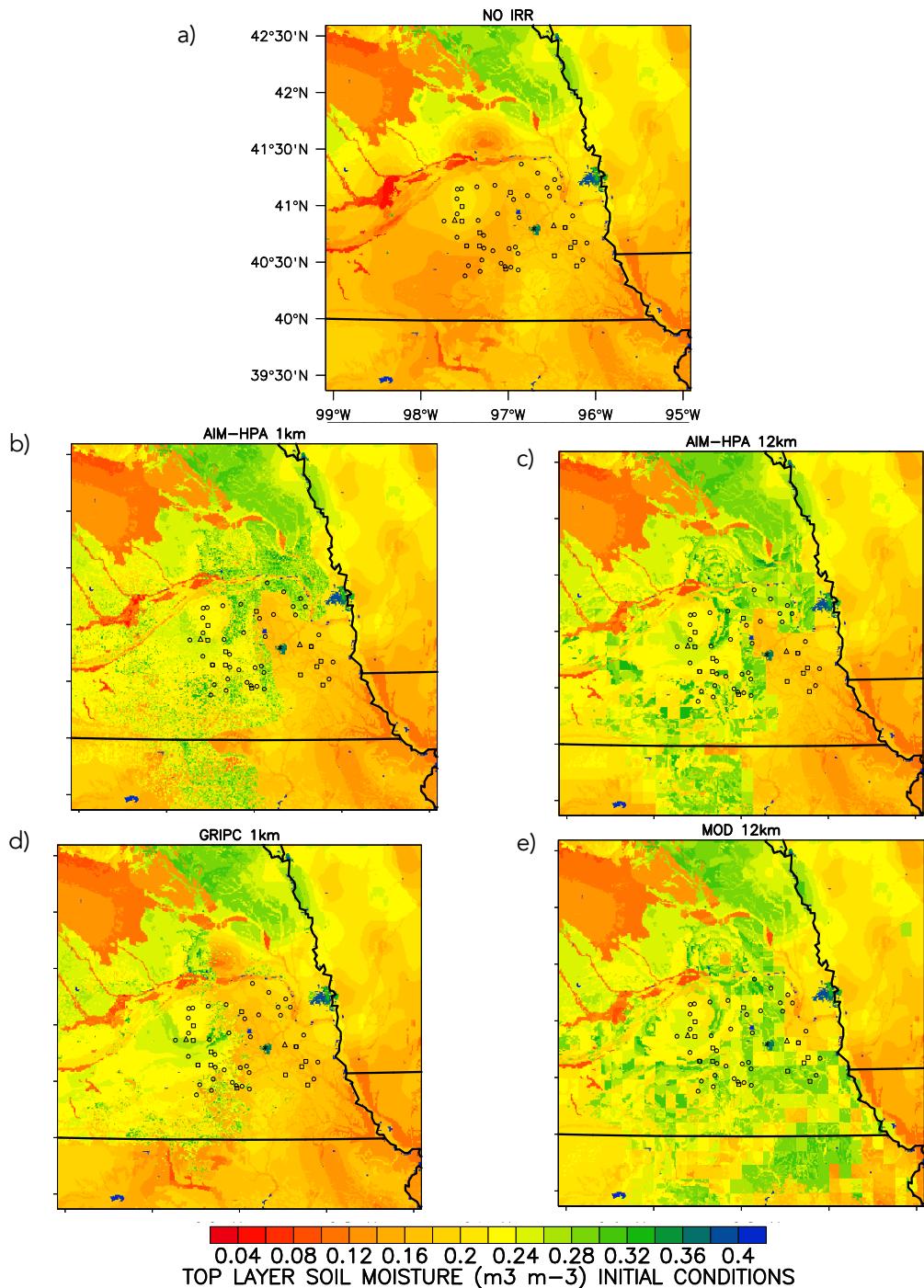


Supplemental Figure 1. Evaporative Fraction vs. PBL Height plots for the Rainfed subregion for the a) NO IRR, b) AIM-HPA 1km, c) AIM-HPA 12km, d) GRIPC 1km, e) MOD 12 km runs. There is one gray marker for each 1km gridcell within the 100 x 100km irrigated subregion. The colored markers represent the subregional average in each run and therefore are the same for each subplot.



Supplemental Figure 2. Initial top layer soil moisture in the a) NO IRR, b) AIM-HPA 1km, c) AIM-HPA 12km, d) GRIPPC 1 km, and e) MOD 12km runs.