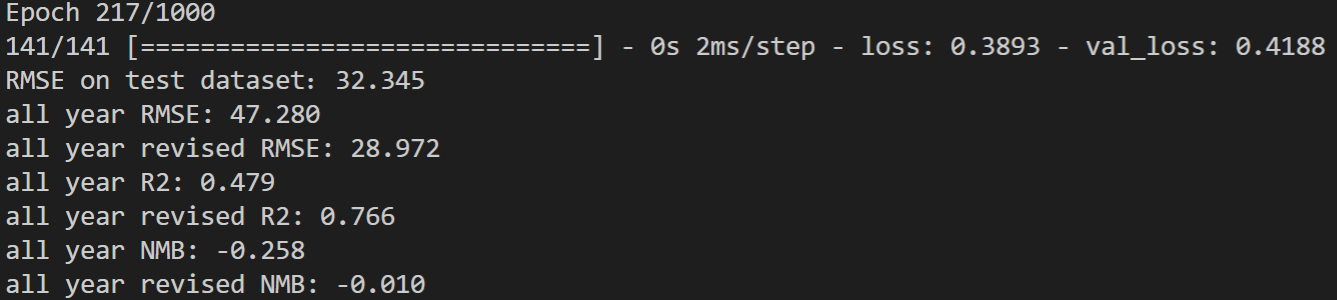
Feature selection

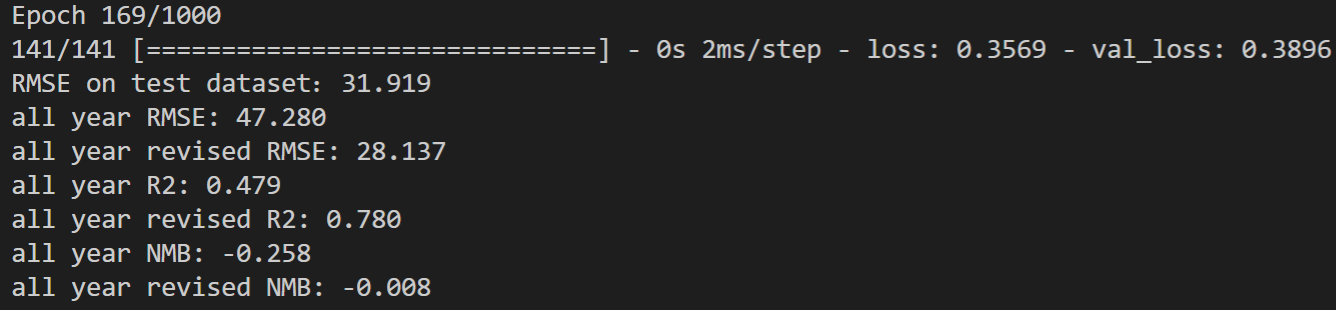
逻辑：base是PM2.5\_Bias\_ystd、PM2.5\_Sim，然后加入一个清单误差+一个气象误差特征；剩下的分别单个加入，每轮只选进1个变量，看loss降低，降低至0.3、RMSE\_test降至24左右就可以停止选特征



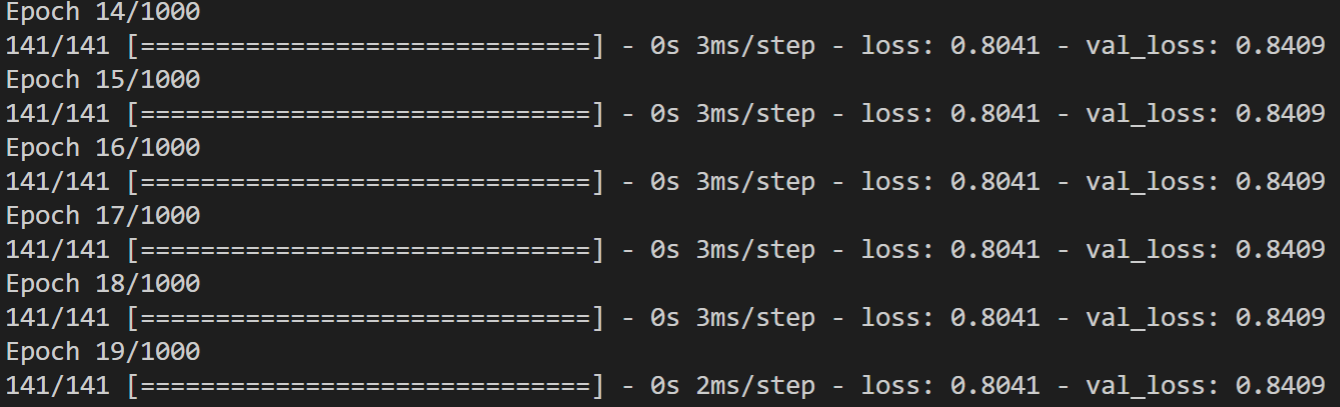
结论：一个清单误差项是NO2\_Bias，一个气象误差项是RH\_Bias

下面单个加入变量：











同

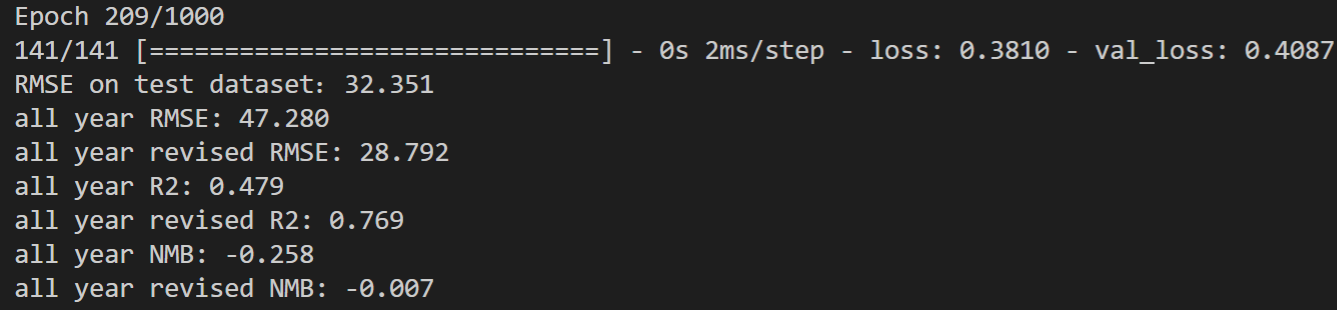


同



同

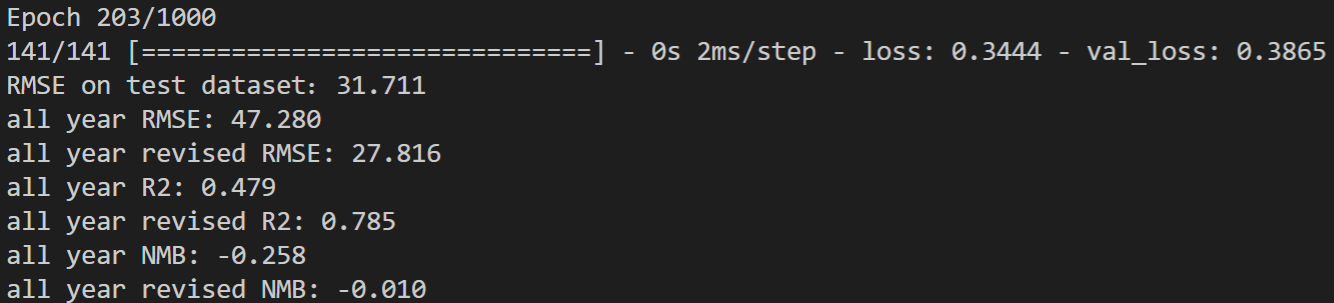




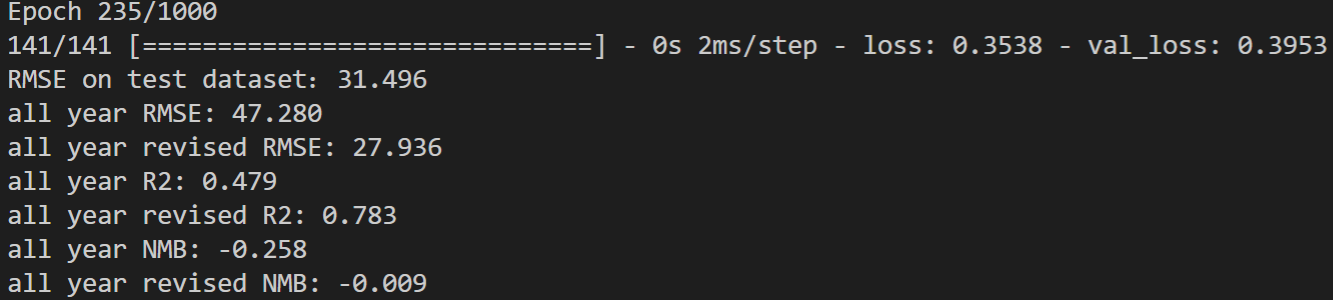
SO2\_Bias胜出

下面选下一个：

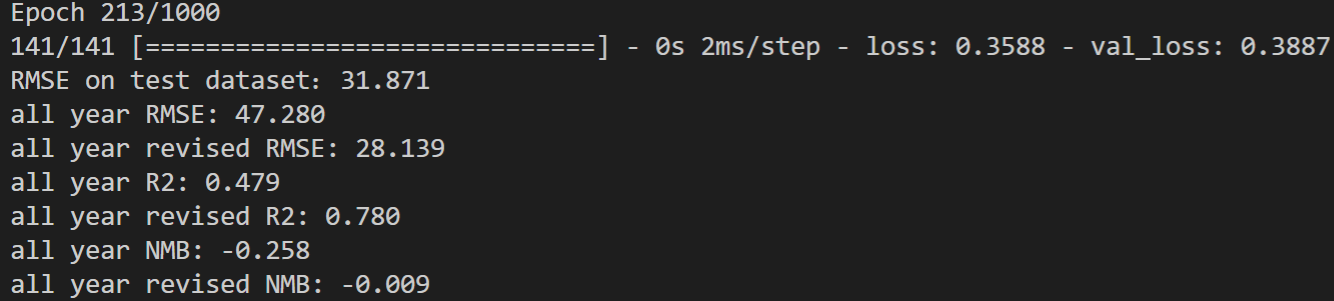








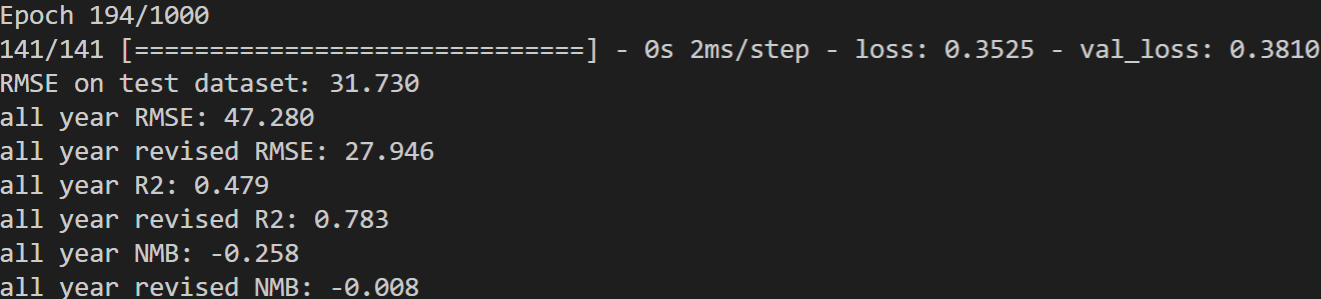








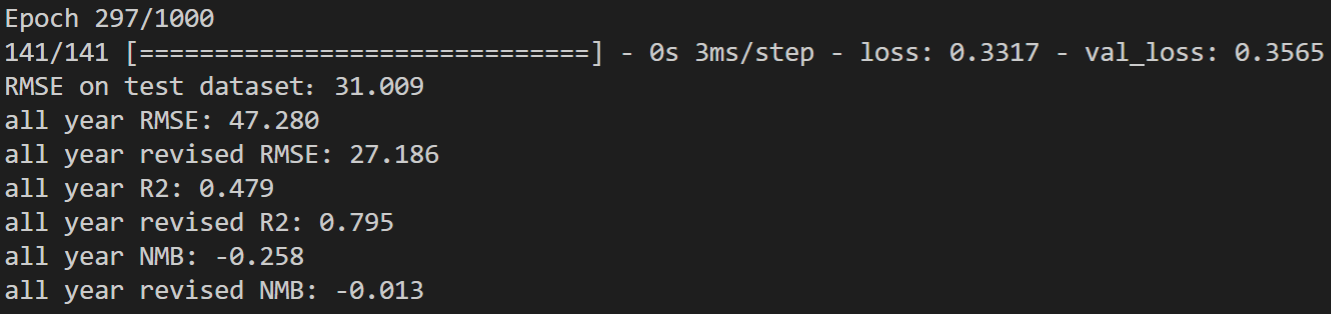




结论：无胜出

进行OBS的单个变量加入：

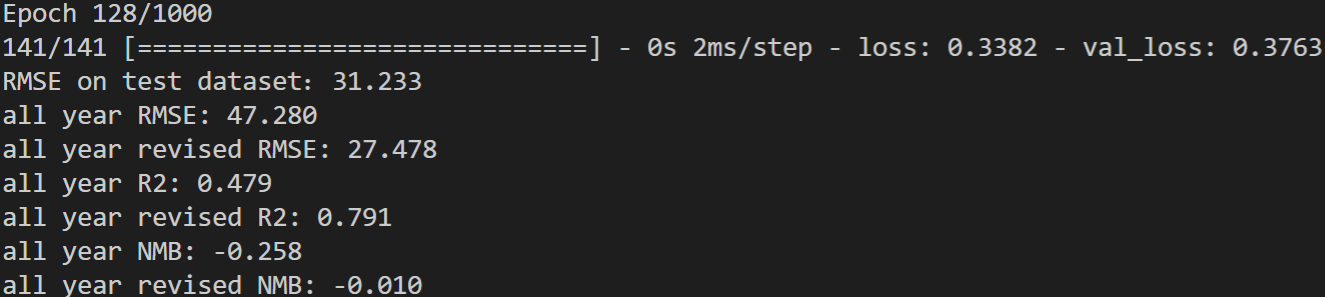




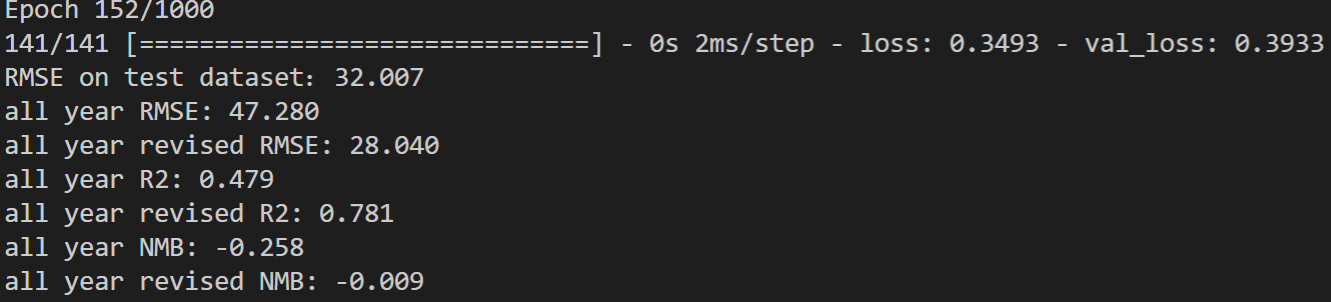


同

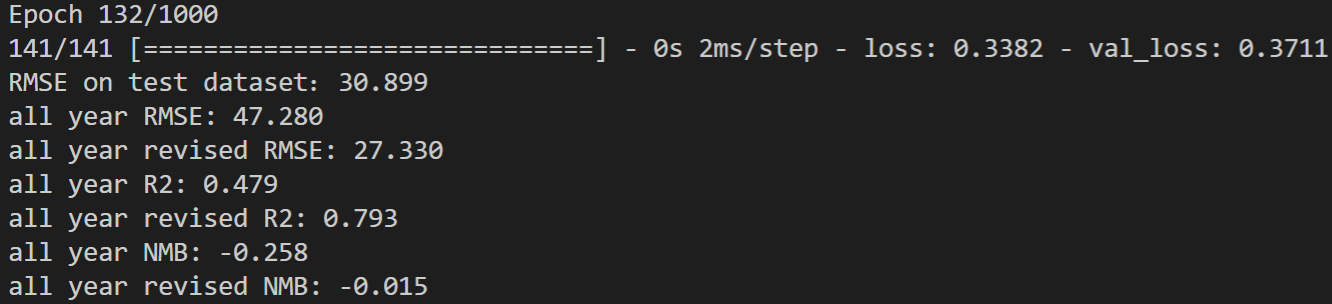




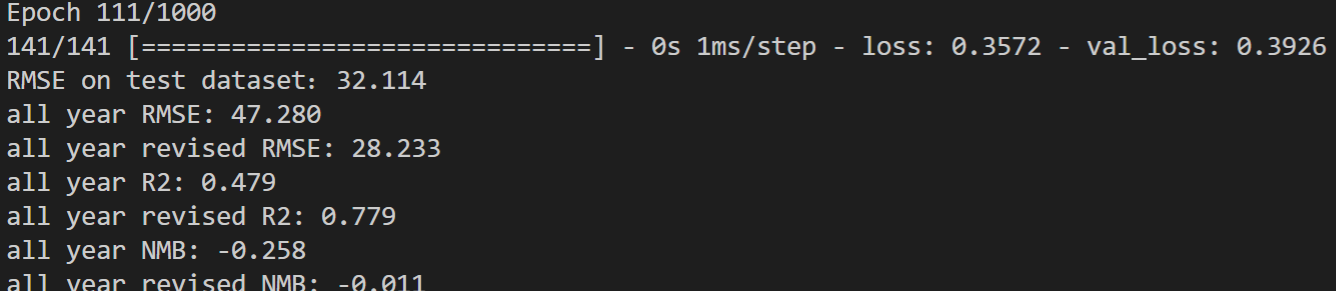




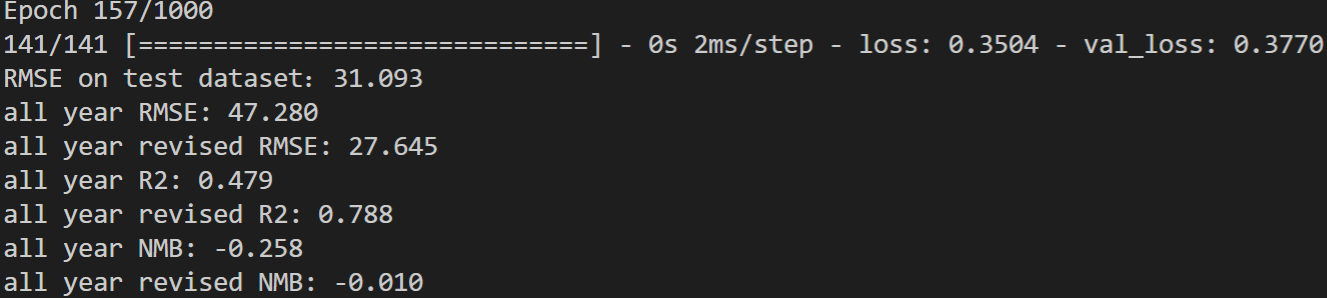




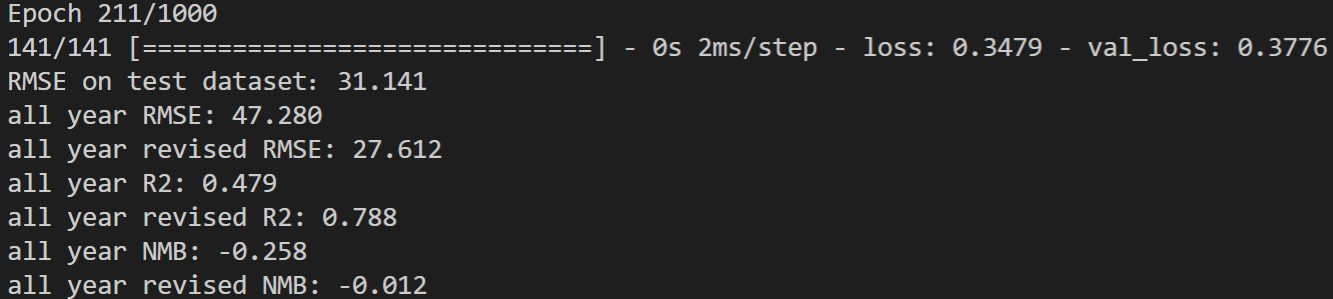








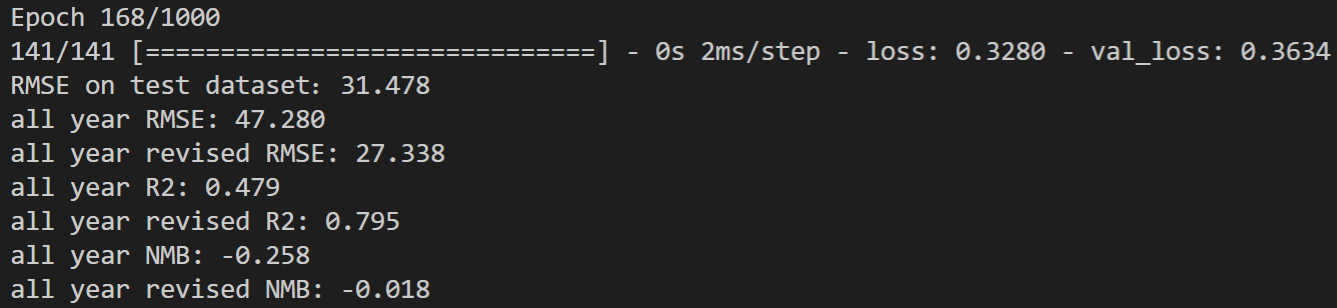




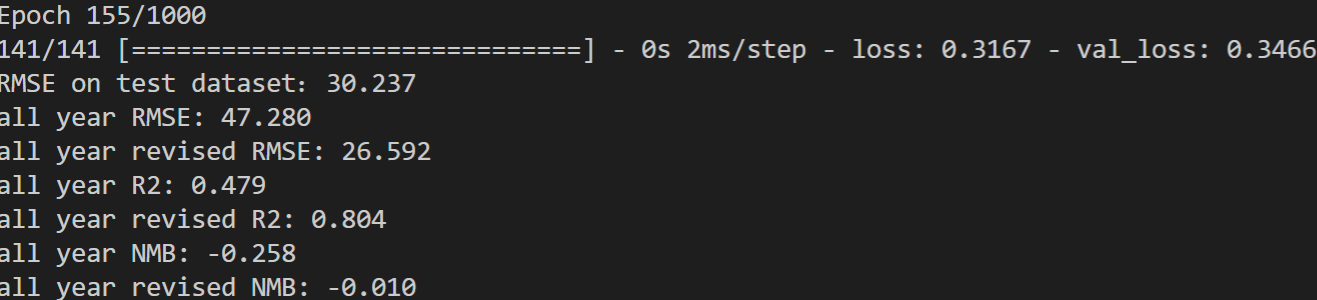
结论：NO2\_Obs胜出

下一轮：

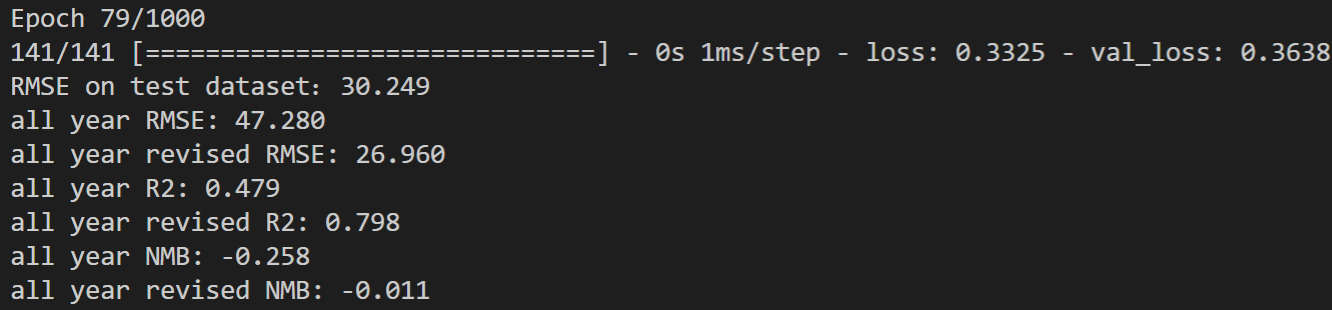




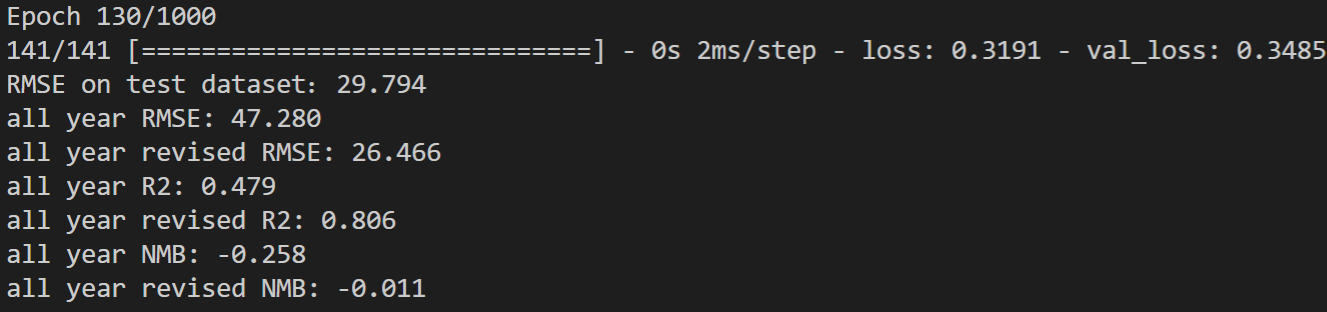




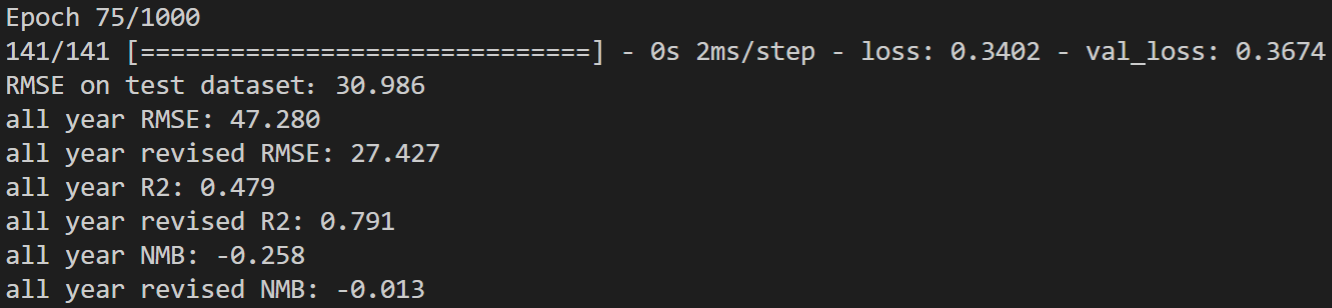




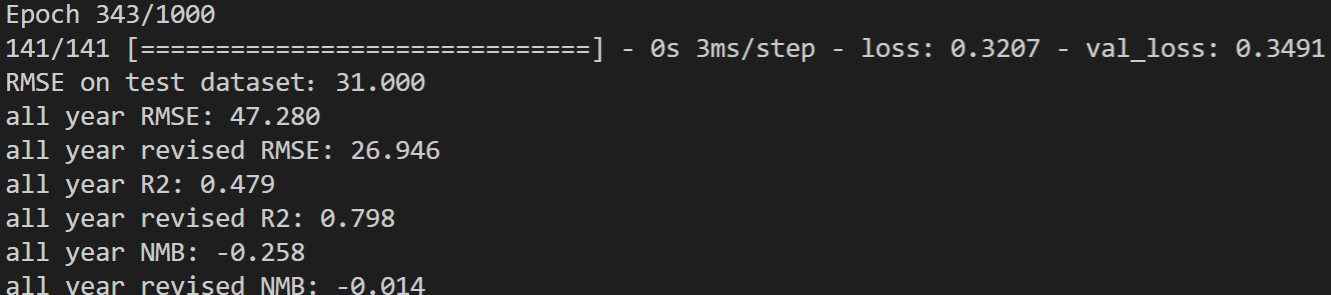




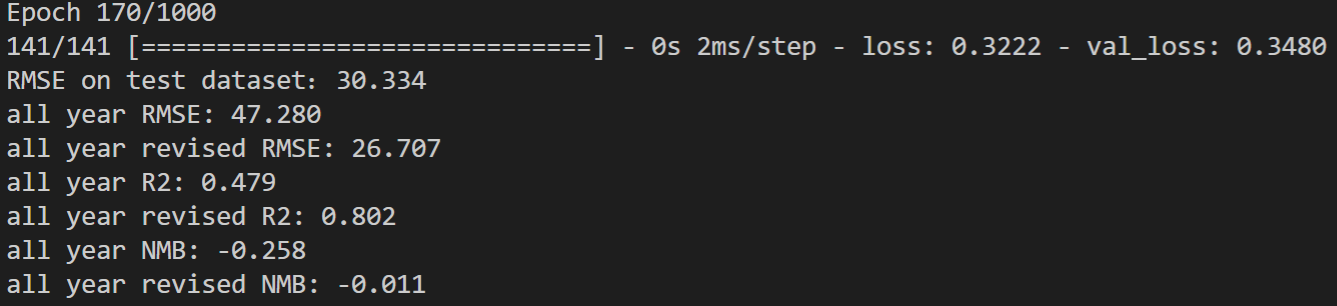








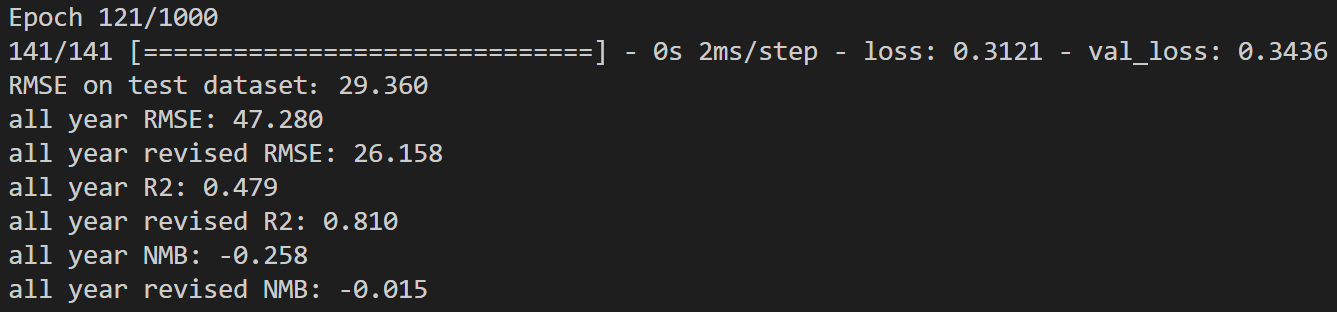




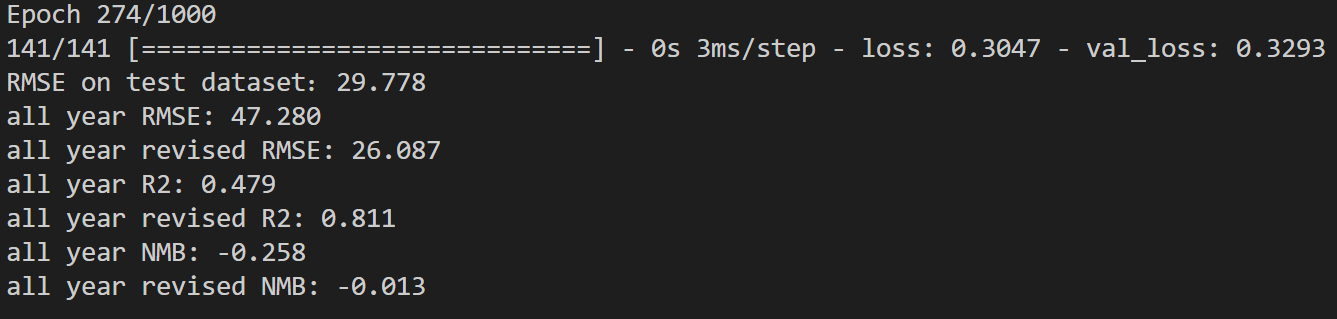
结论：TEM\_Obs入选

下一轮：

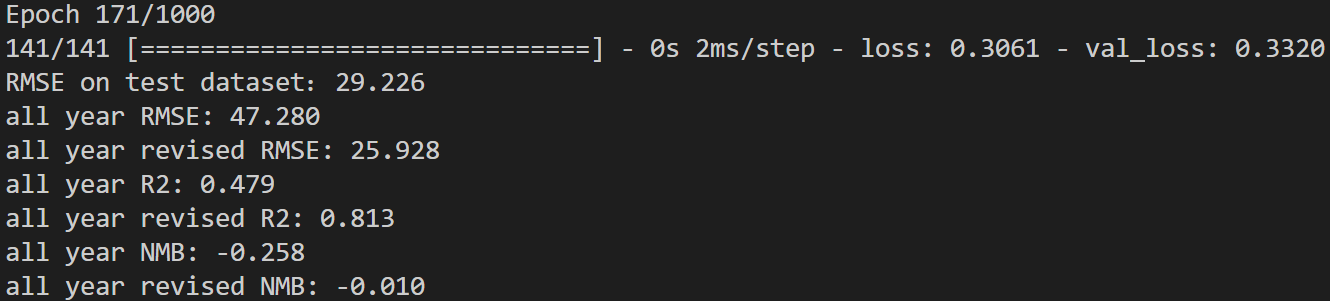








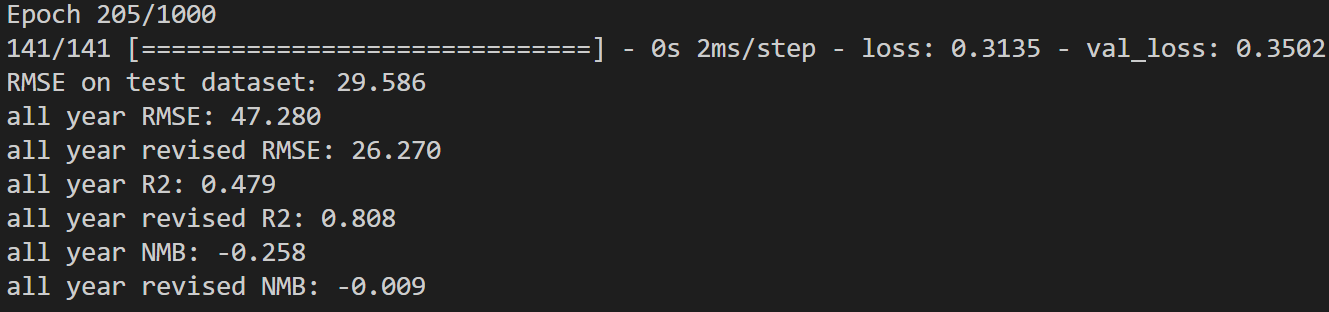




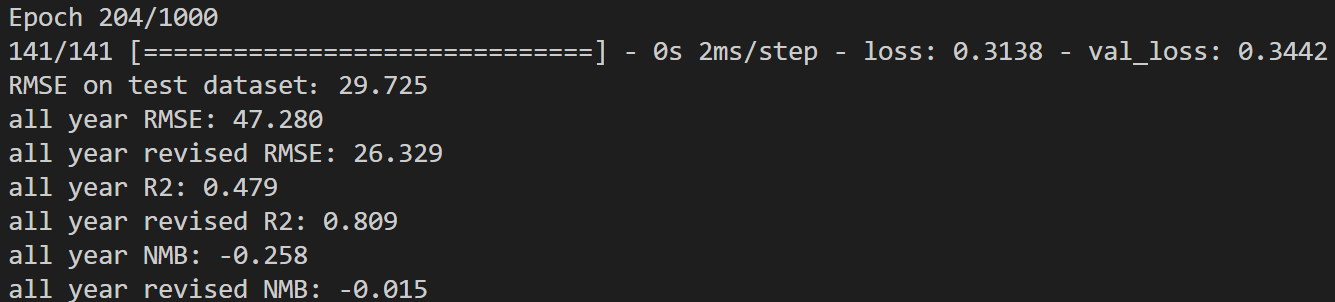




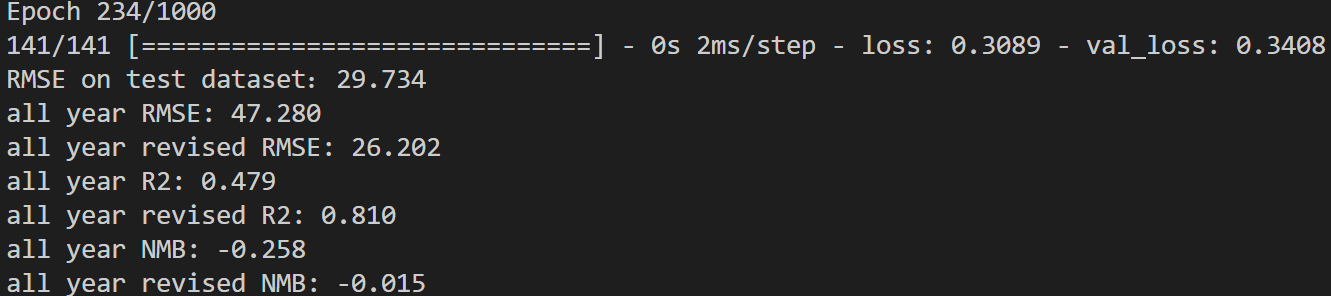






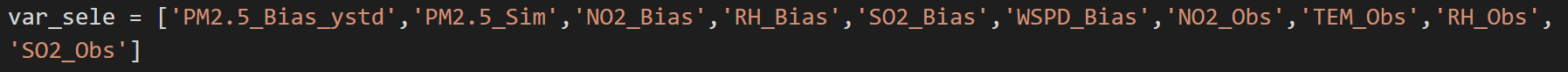


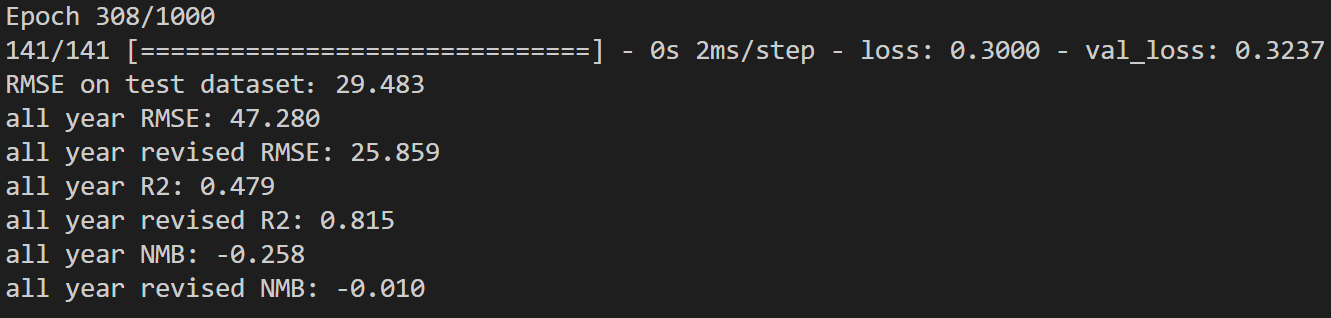


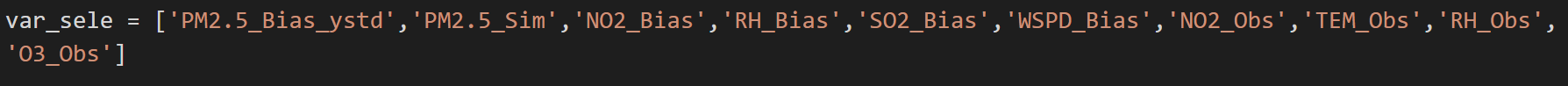


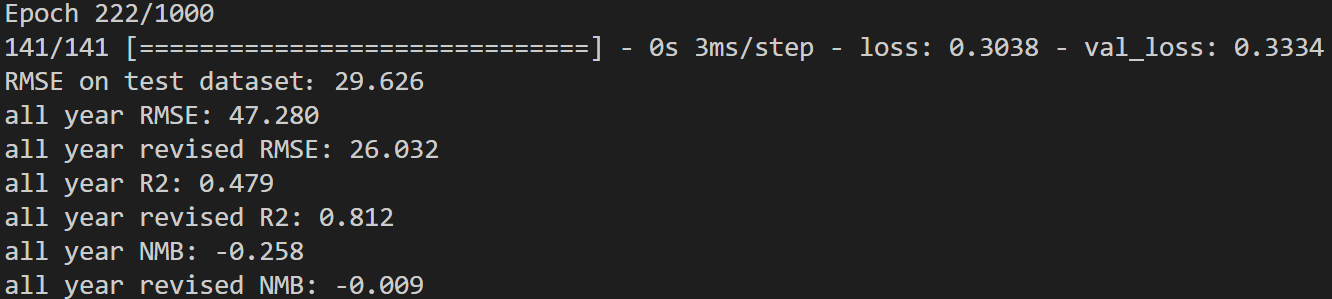
结论：RH\_Obs胜出

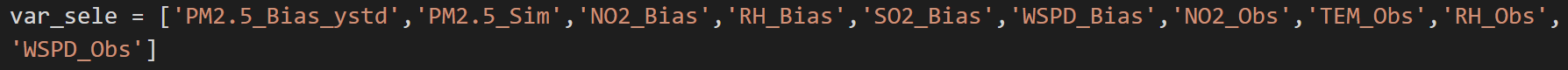
下一轮：

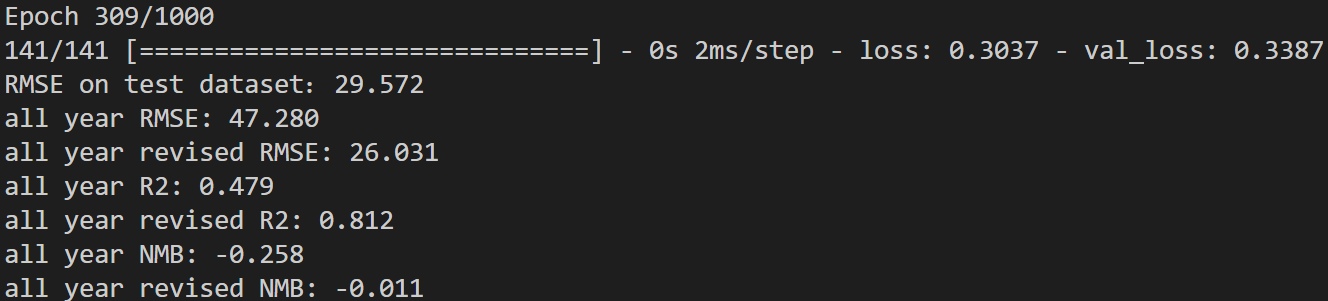


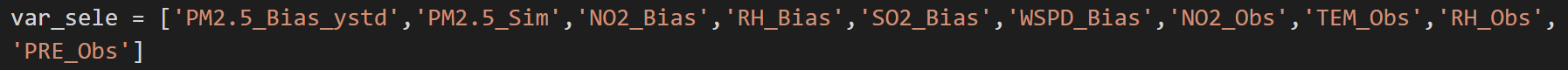


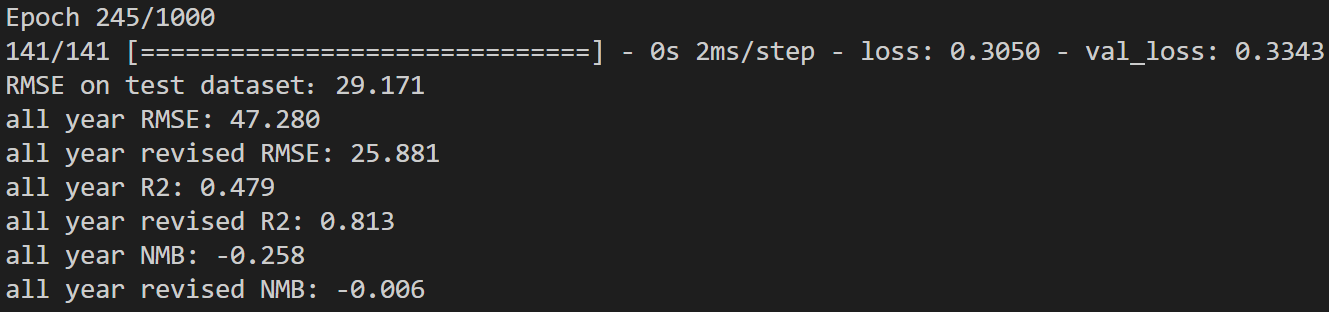


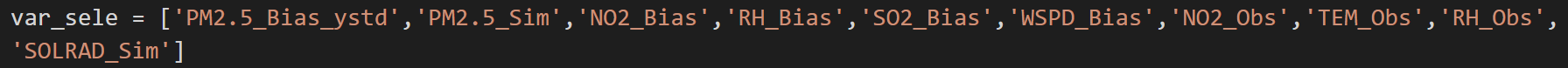


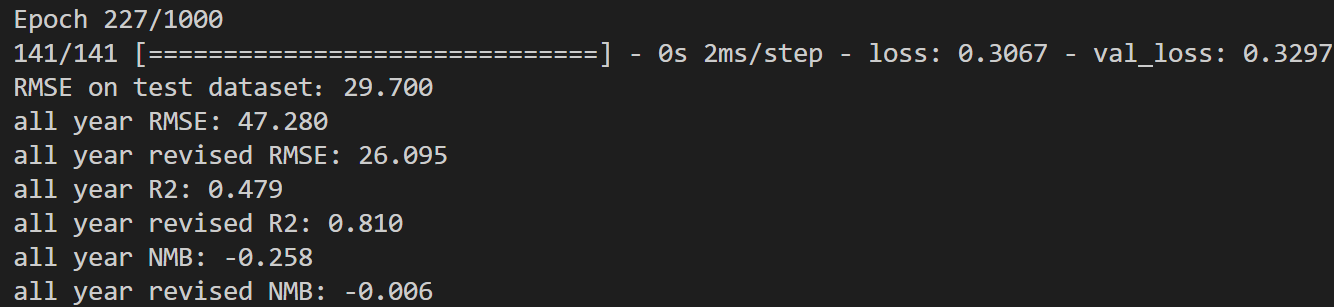








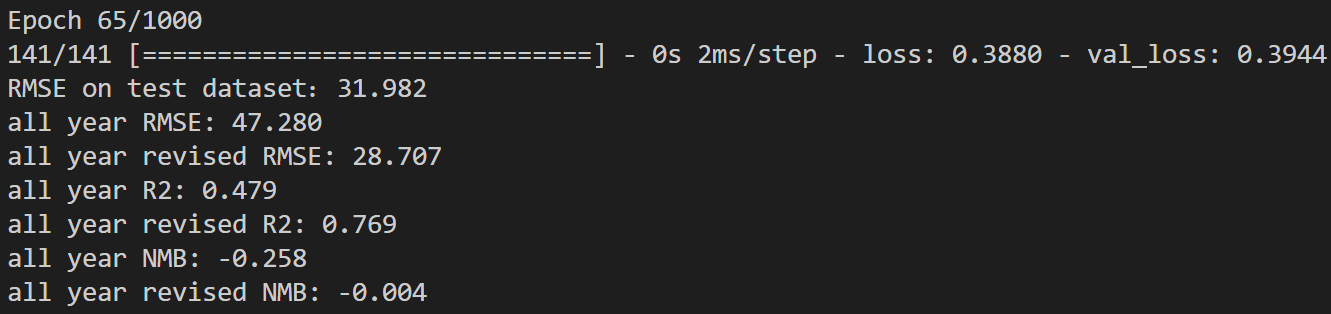




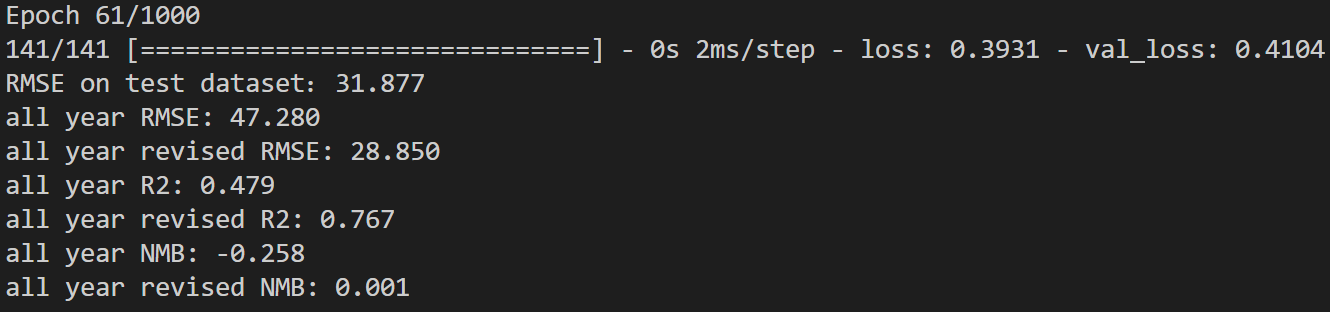
最终：var\_sele = ['PM2.5\_Bias\_ystd','PM2.5\_Sim','NO2\_Bias','RH\_Bias','SO2\_Bias','WSPD\_Bias','NO2\_Obs','TEM\_Obs','RH\_Obs']

平行实验（换seed）：

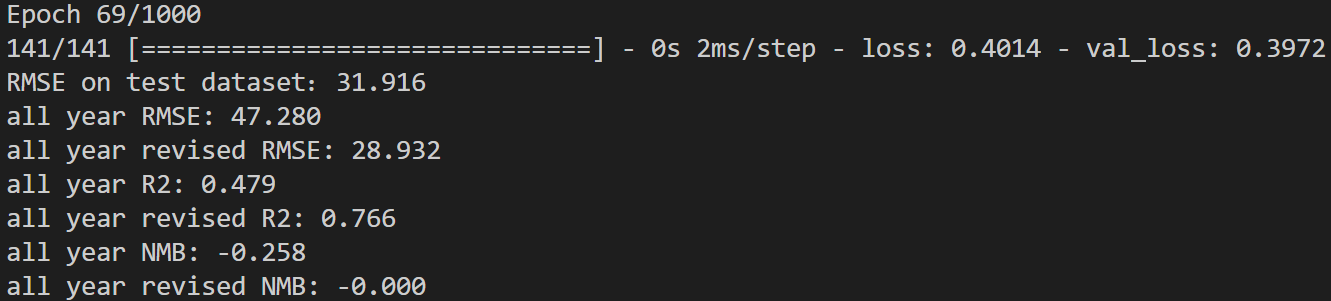




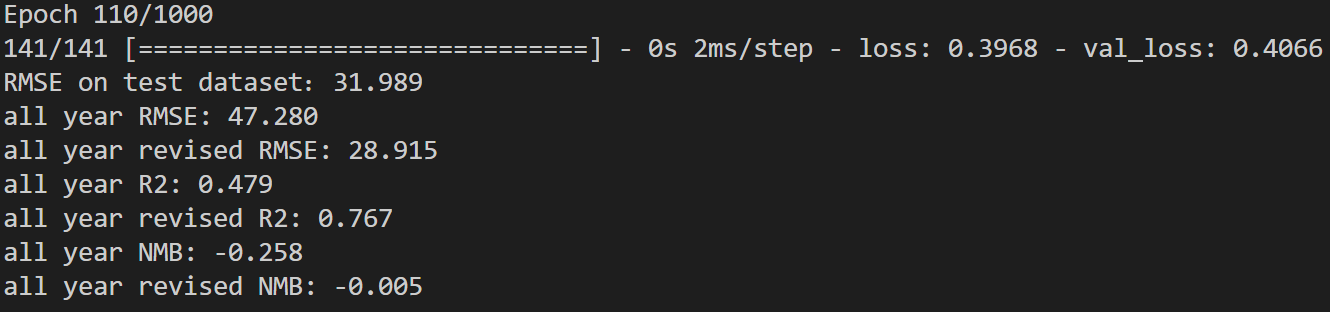




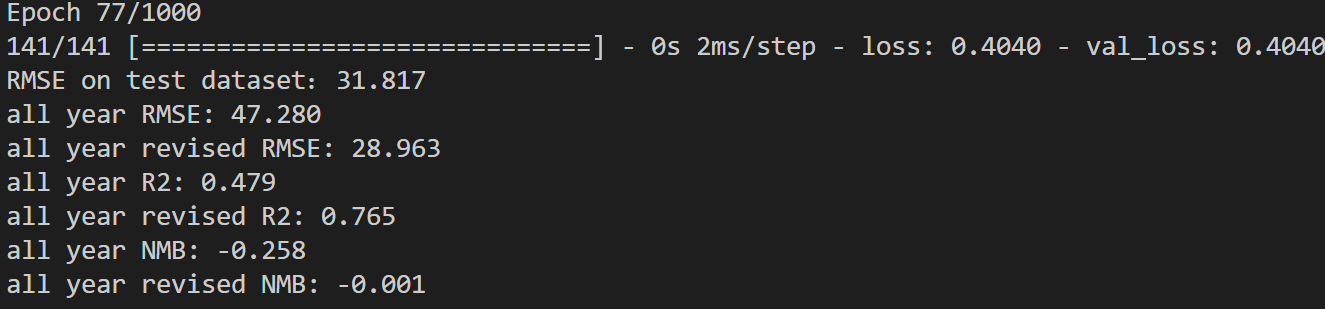




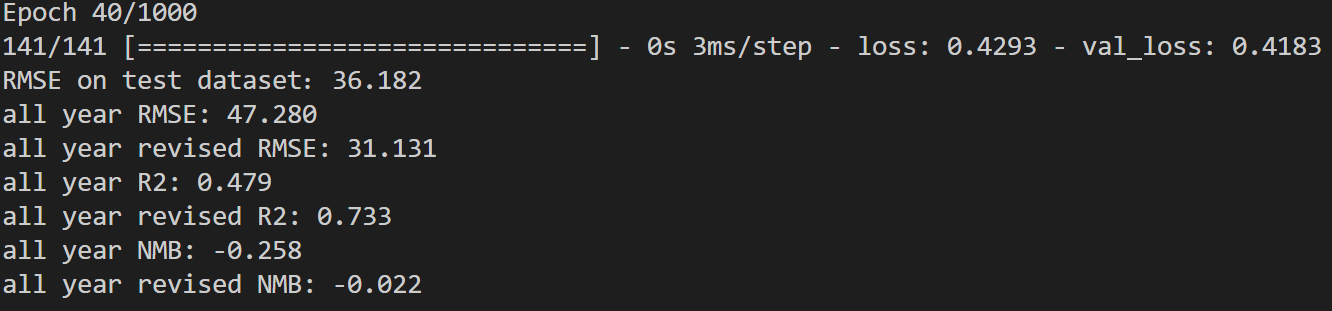








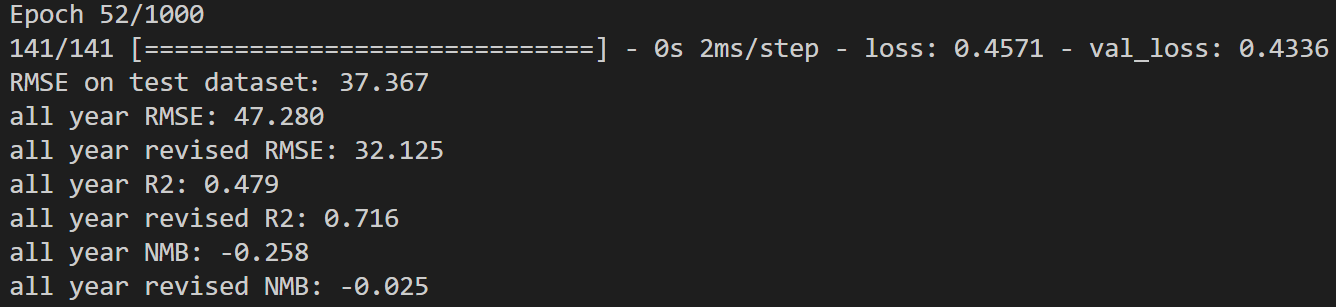




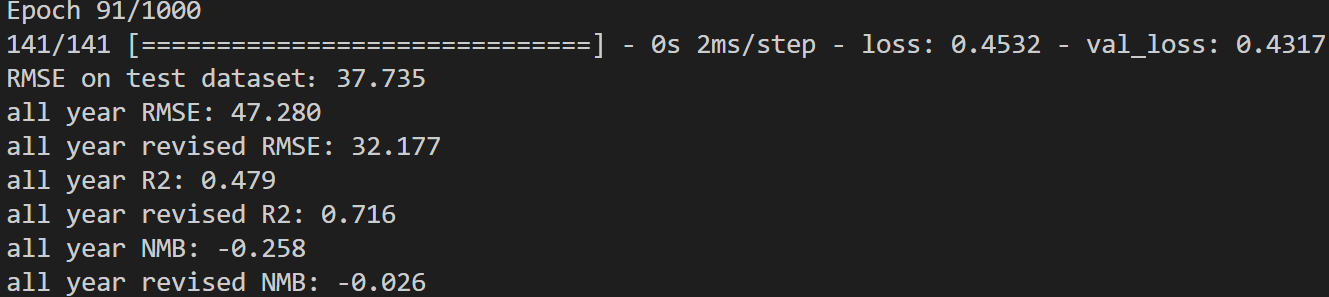




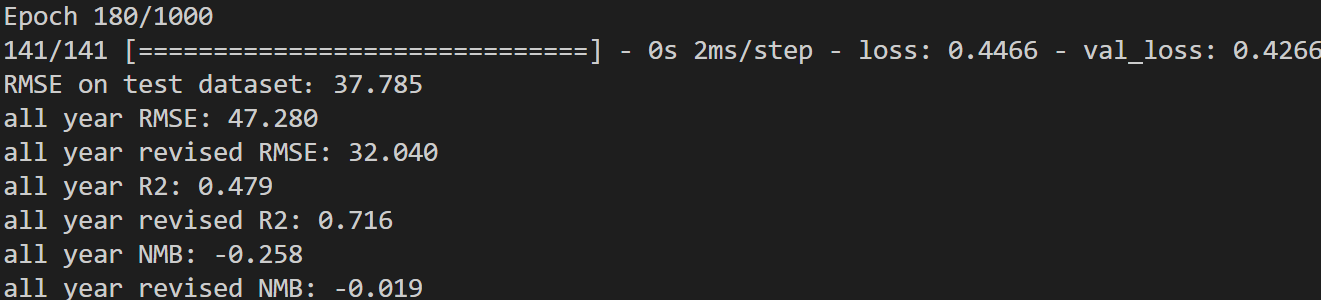




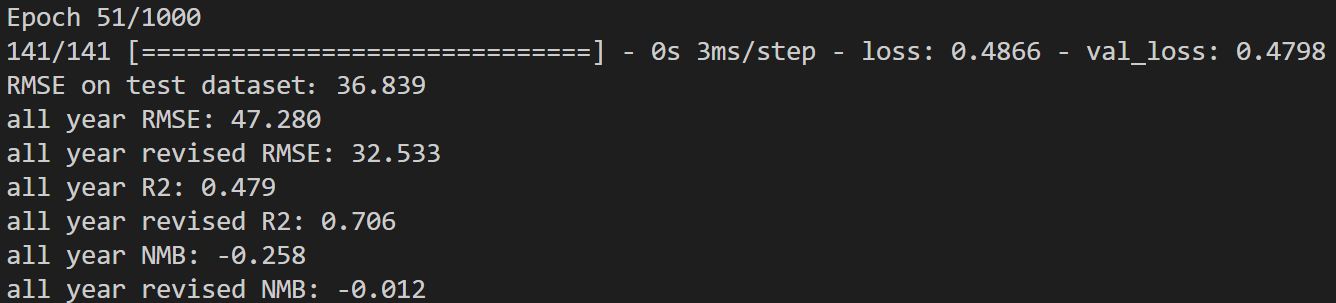




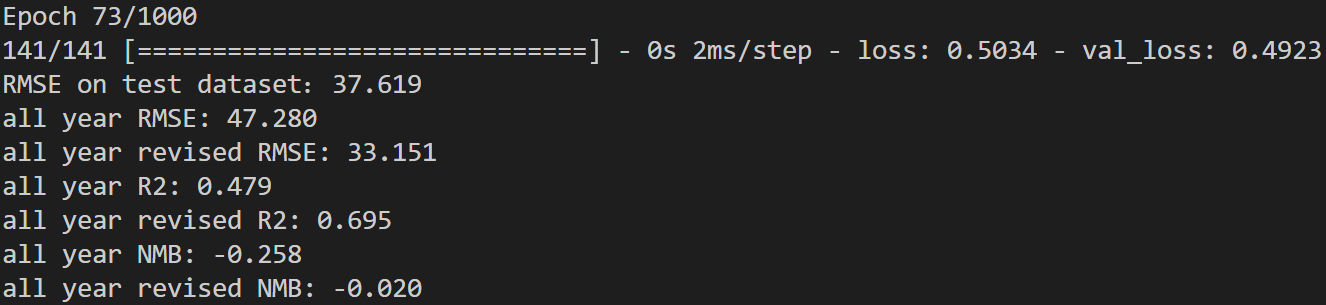




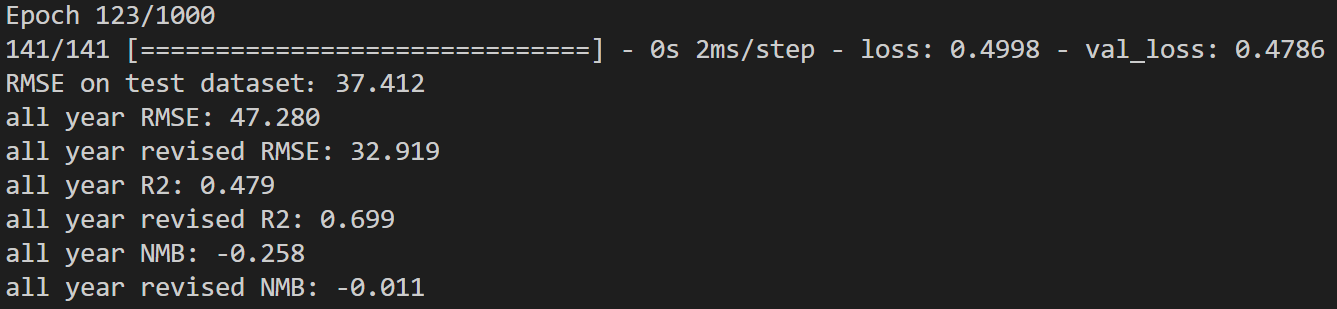




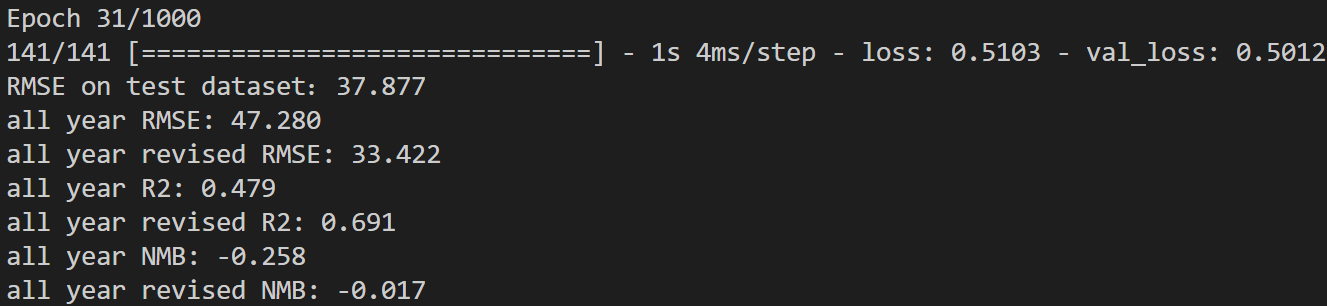




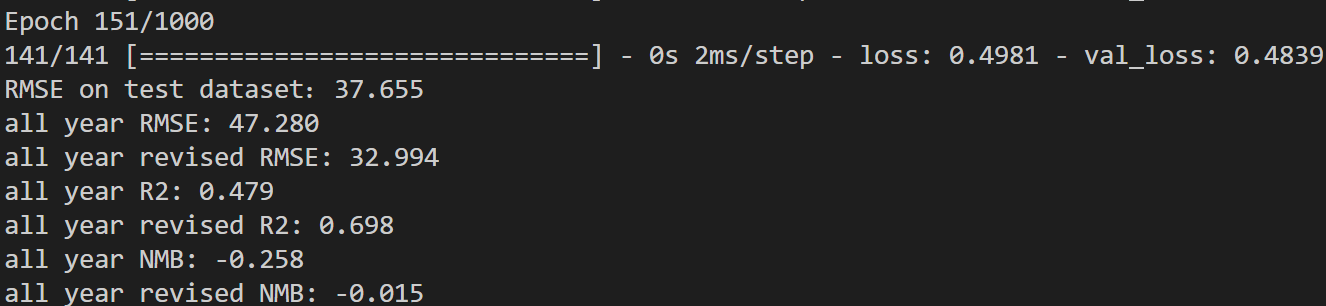






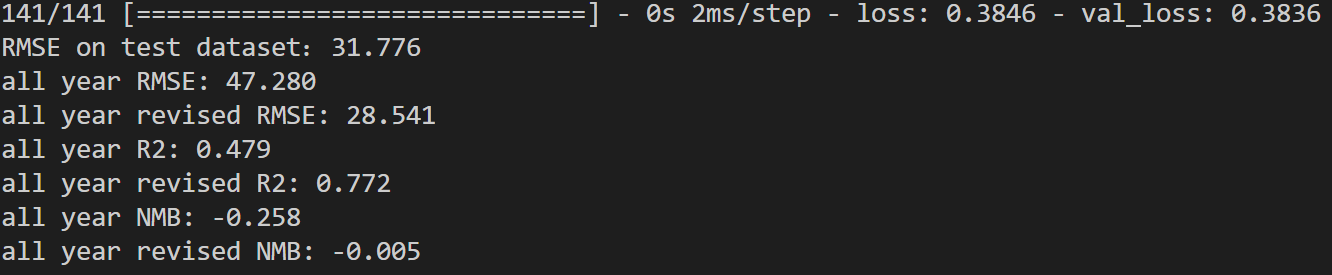




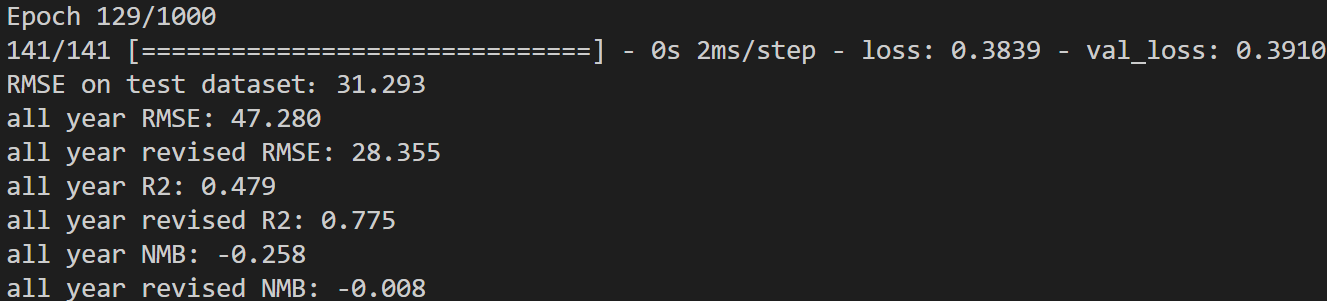


结论：NO2\_Bias + PRE\_Bias

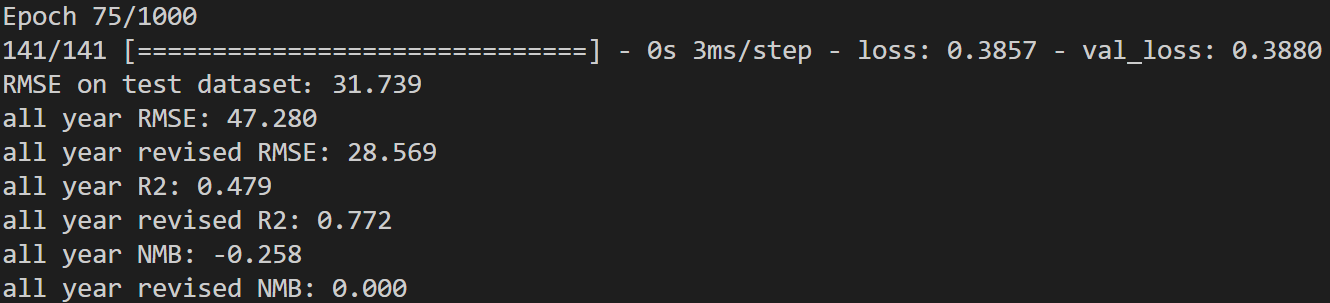




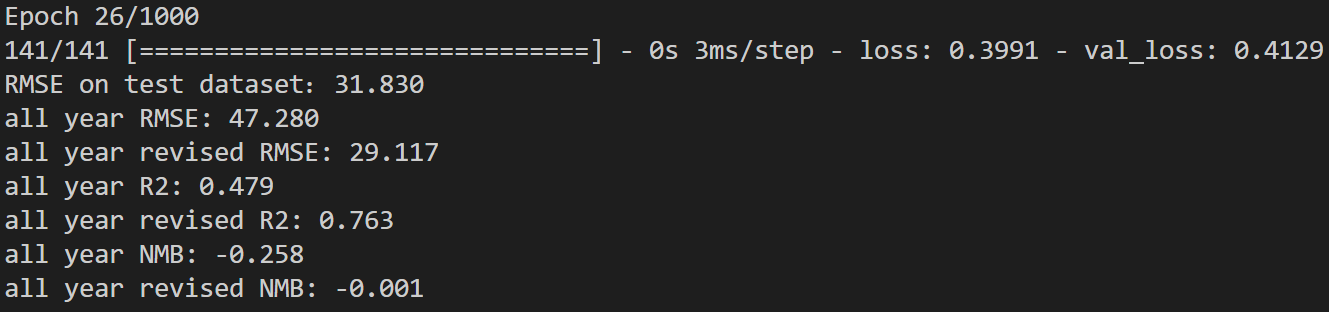




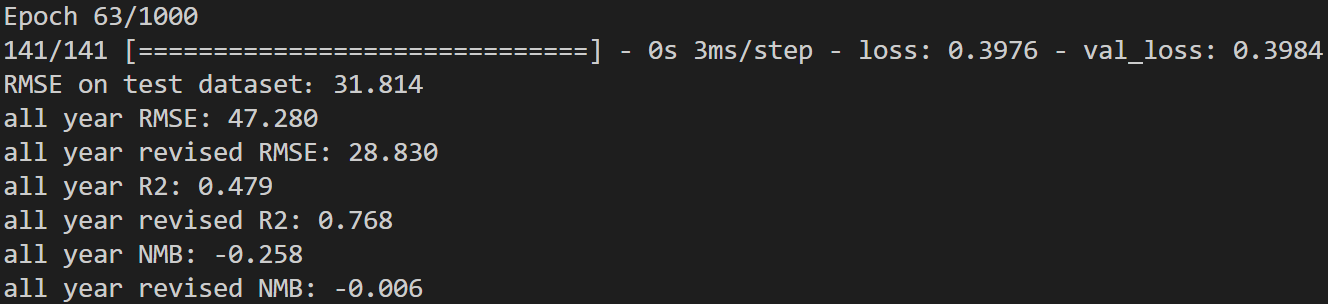




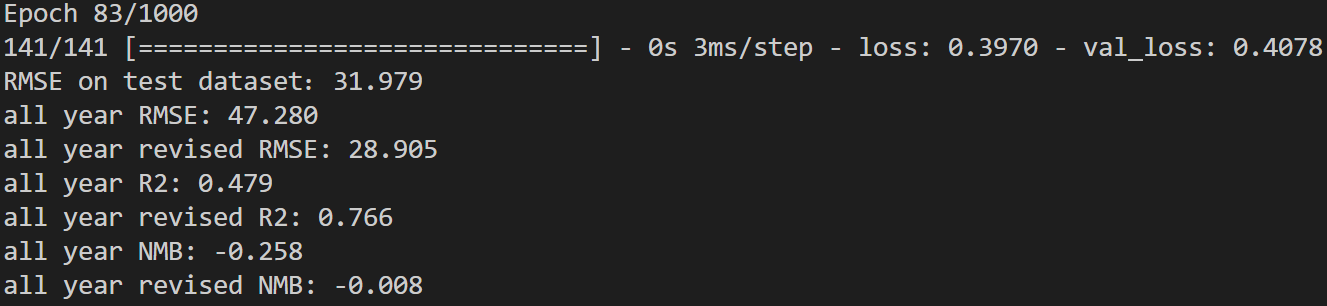






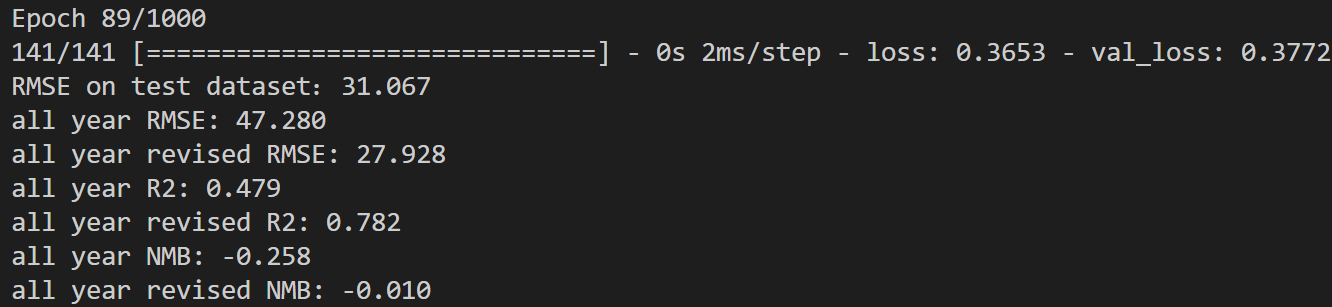




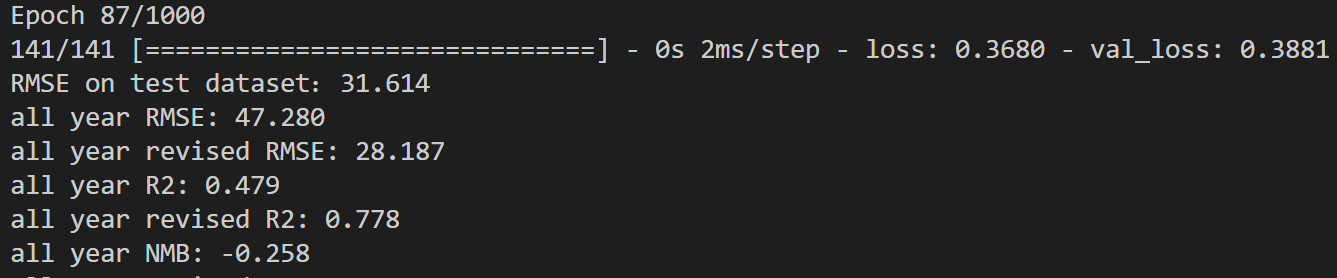


结论：O3\_Bias胜出

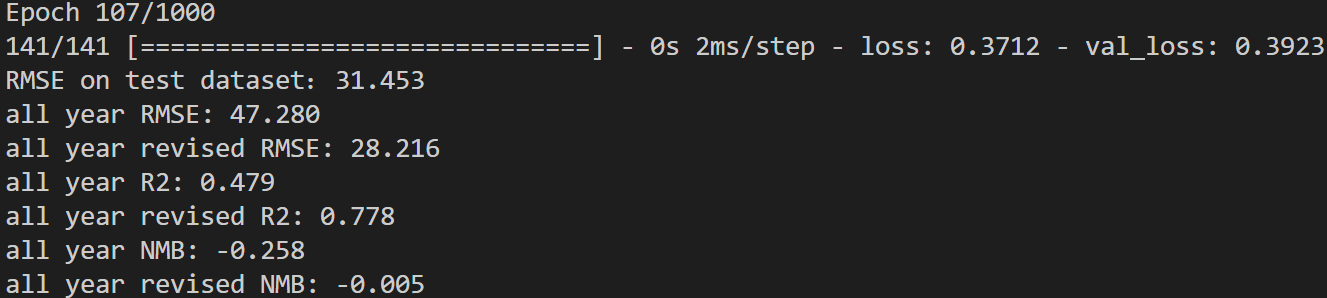








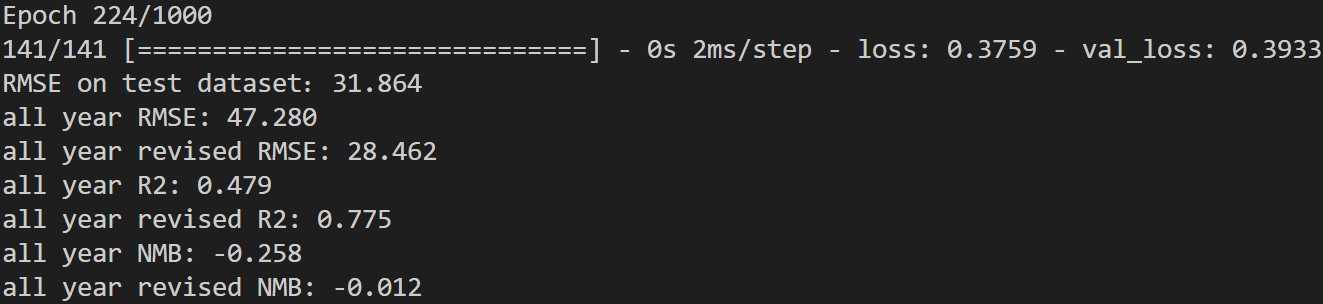










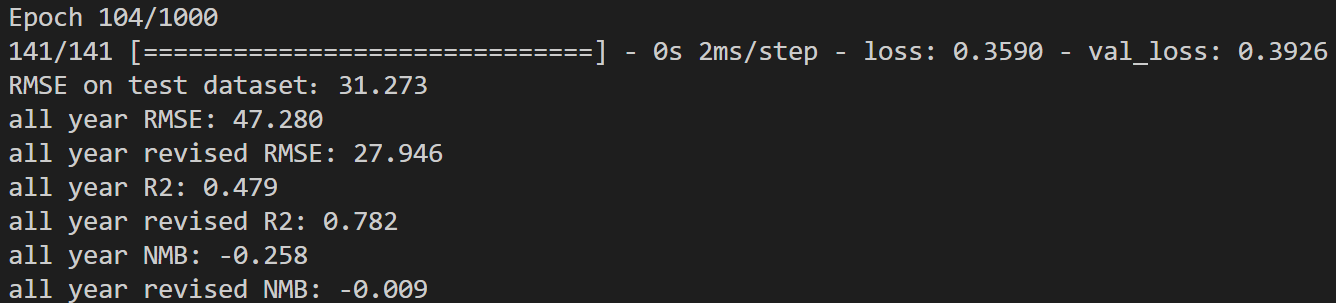


结论：SO2\_Bias胜出

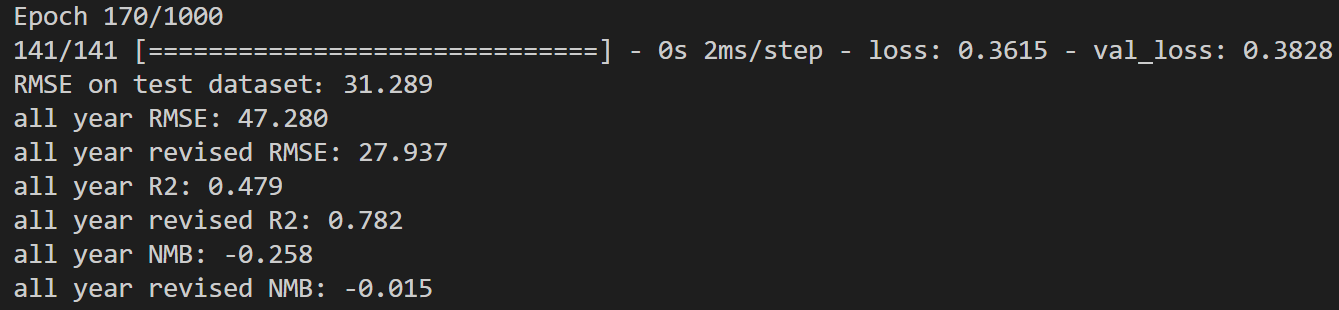




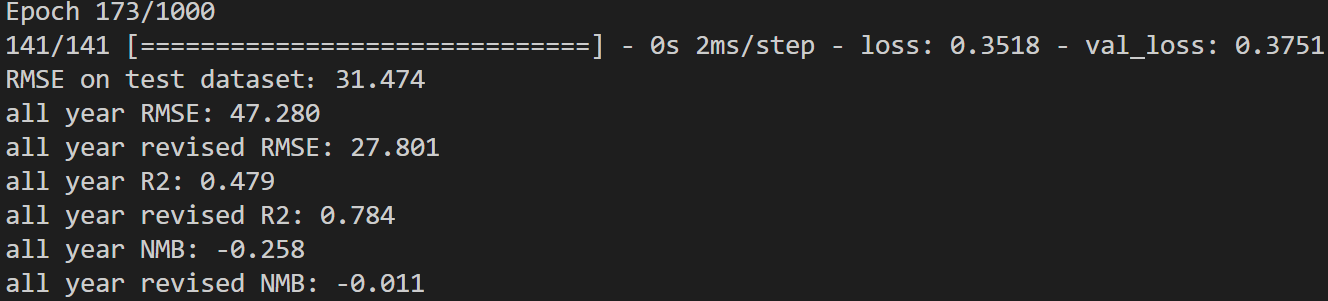








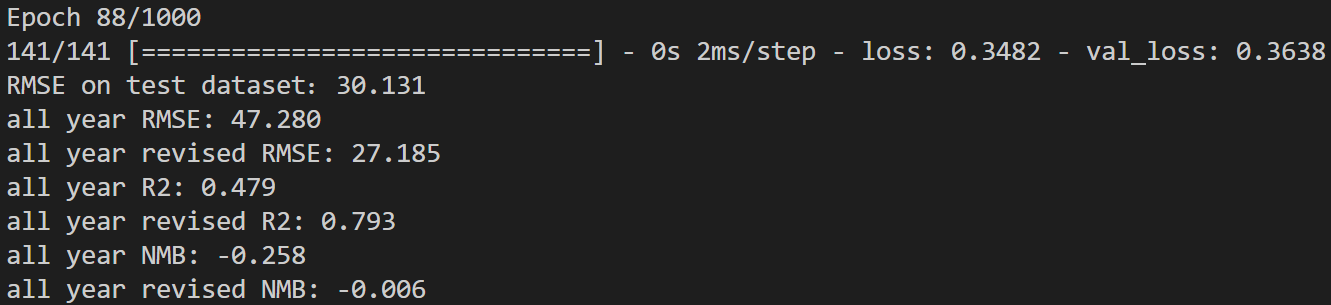




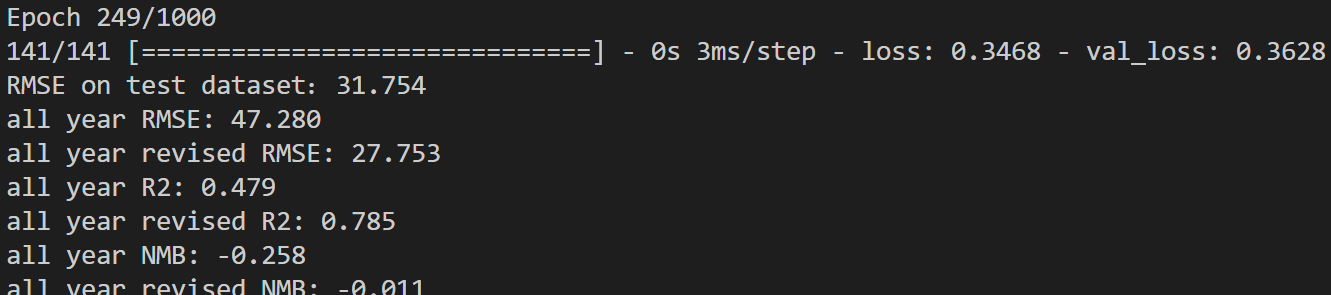
结论：无胜出

下面选基准值：

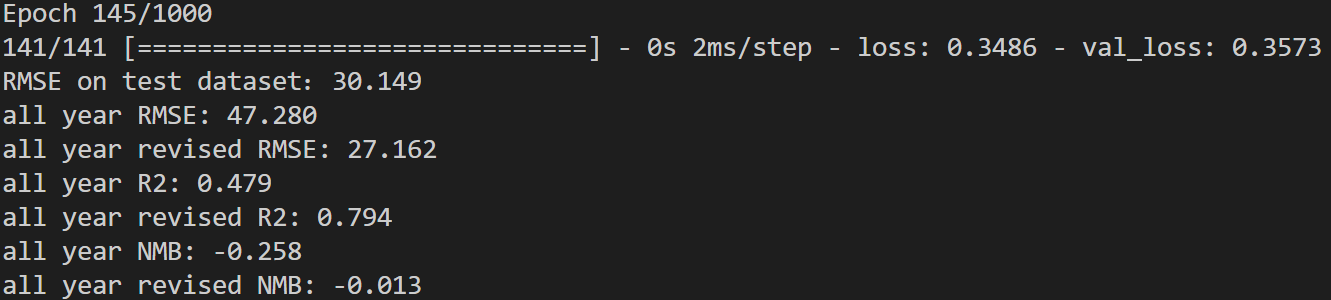




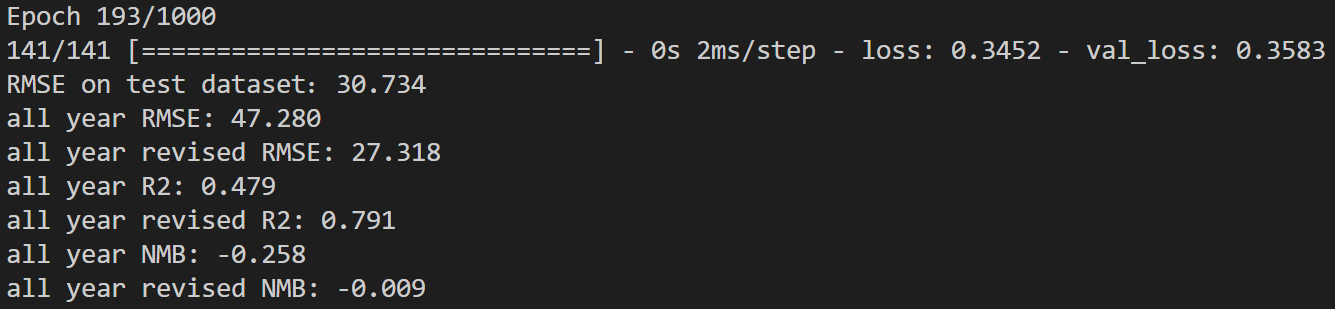




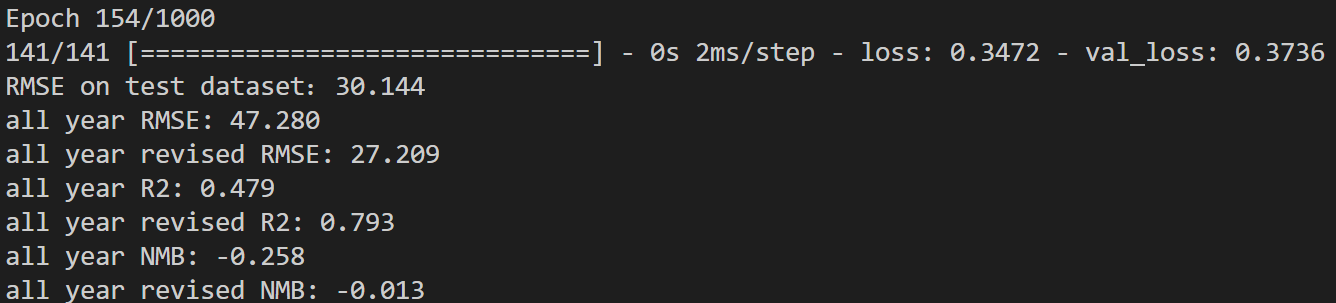




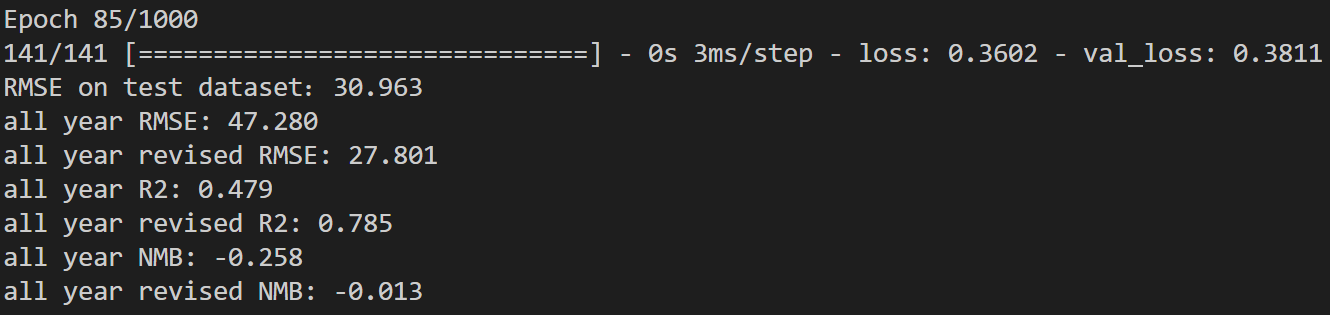




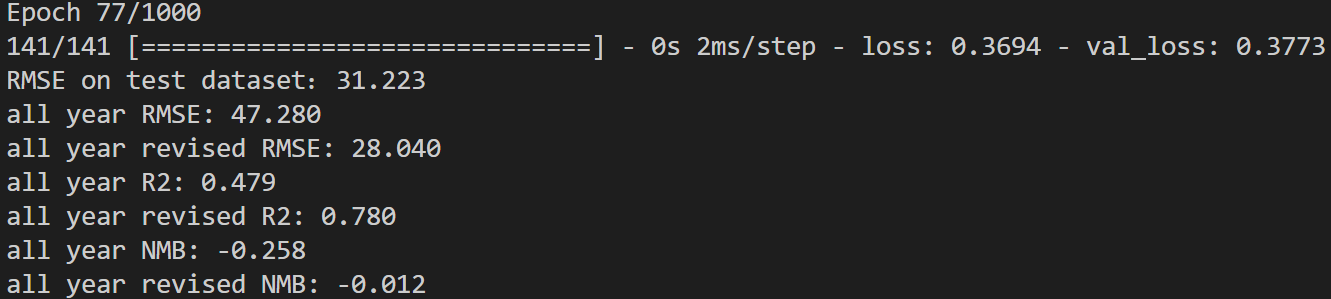




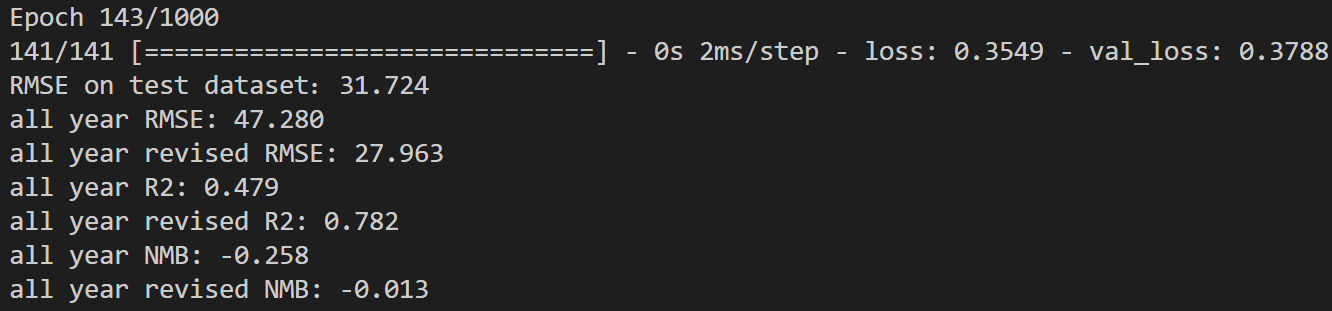




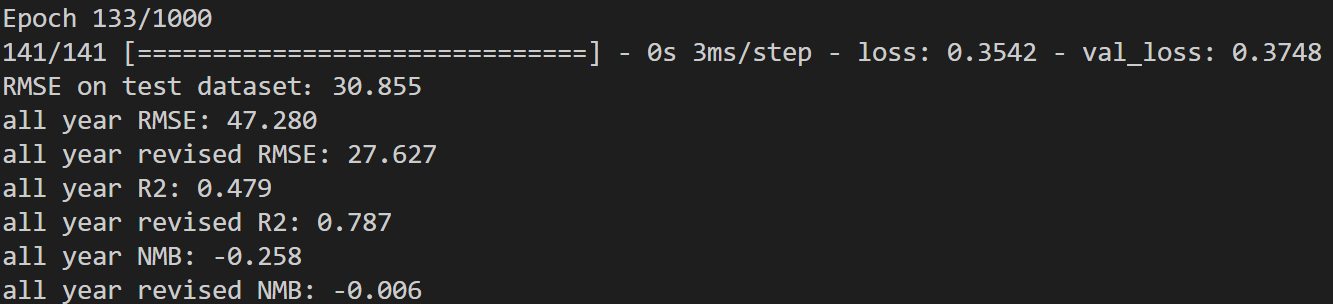




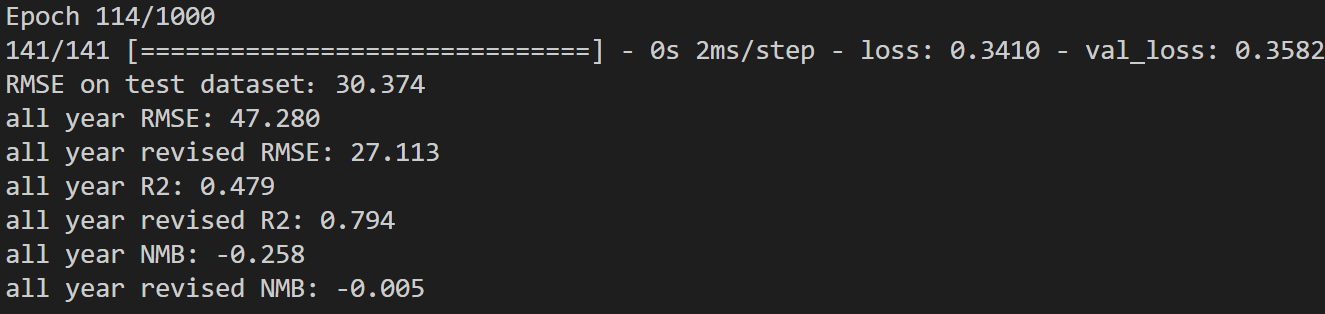




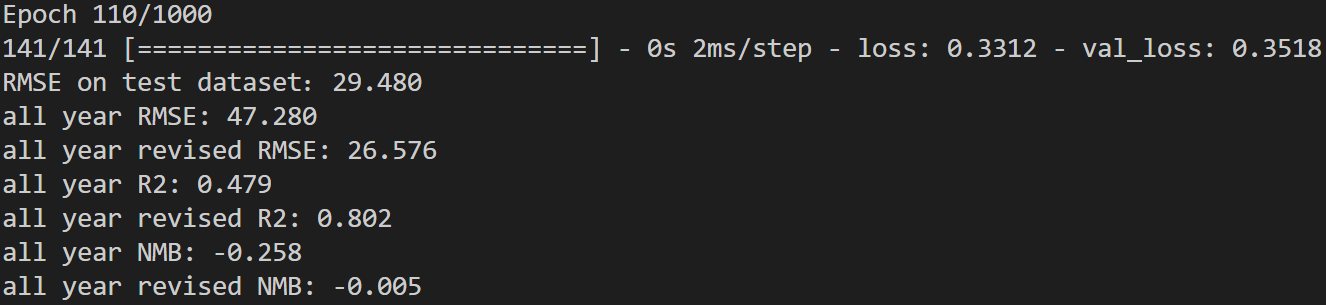




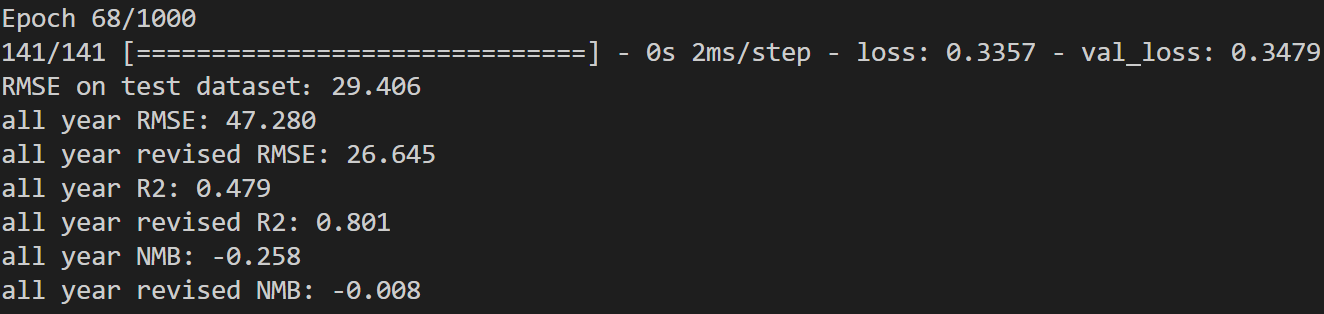




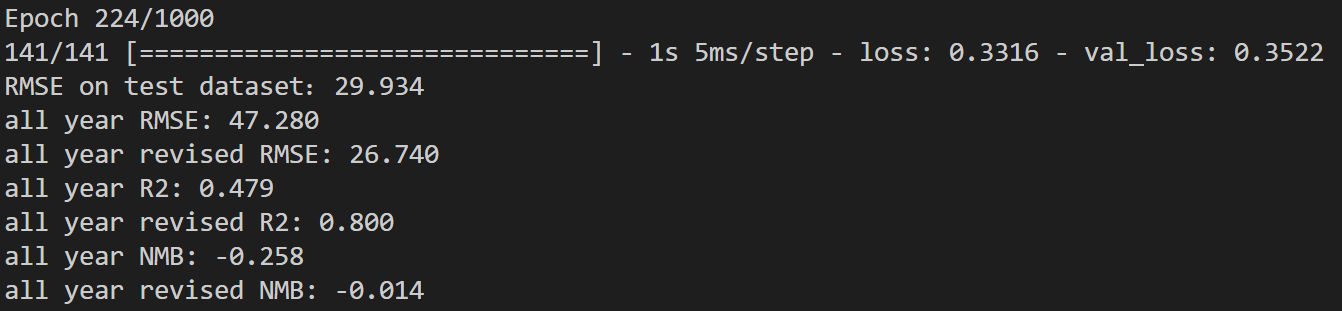




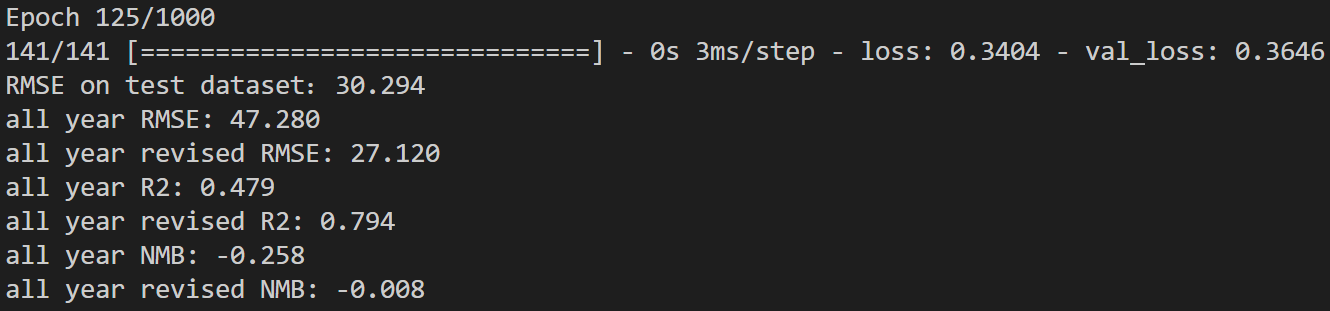




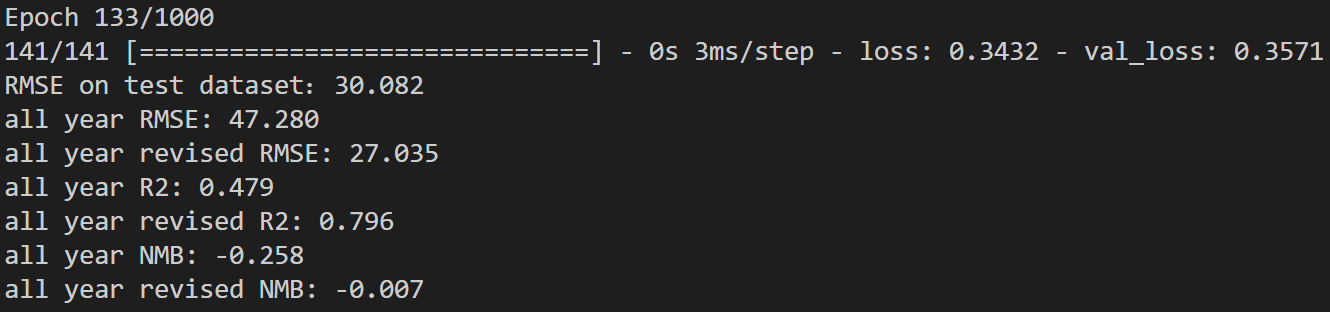




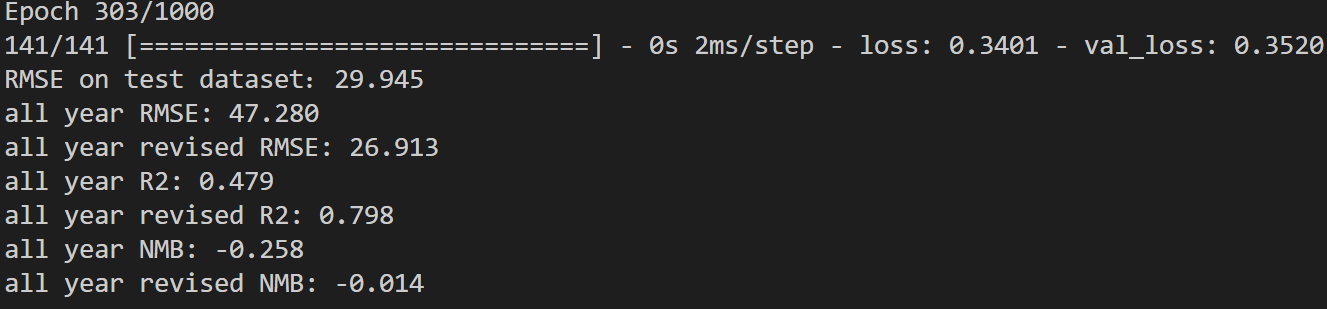




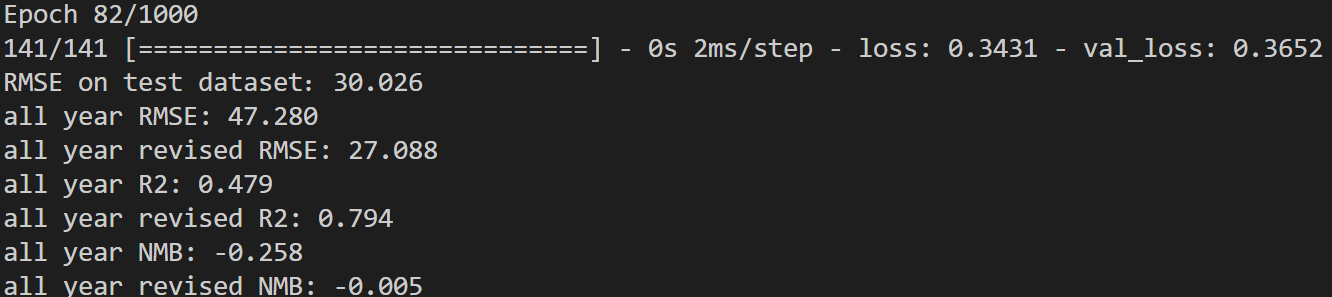






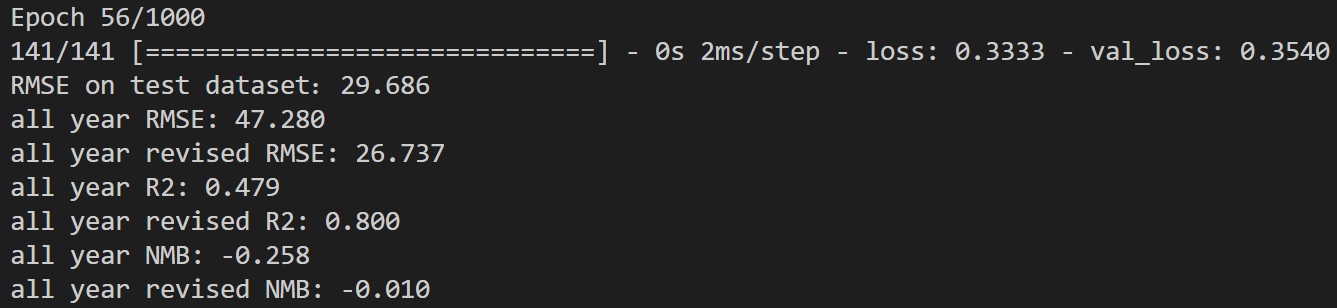




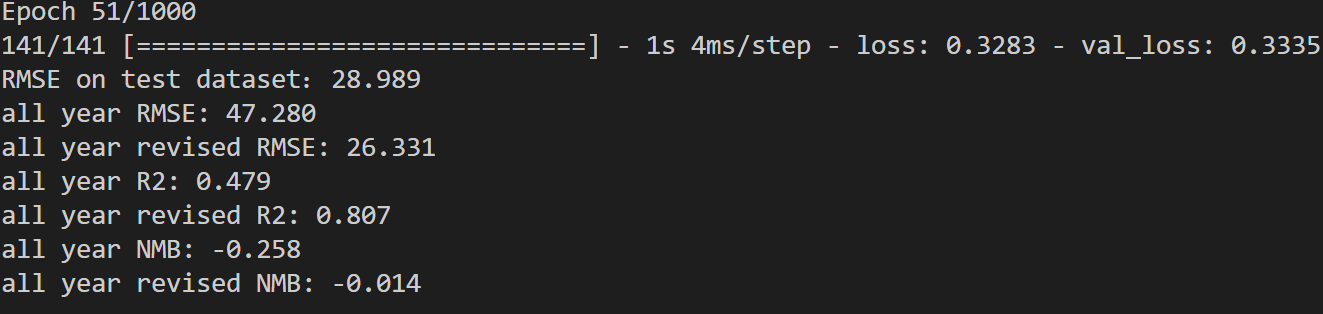


结论：RH\_Obs胜出

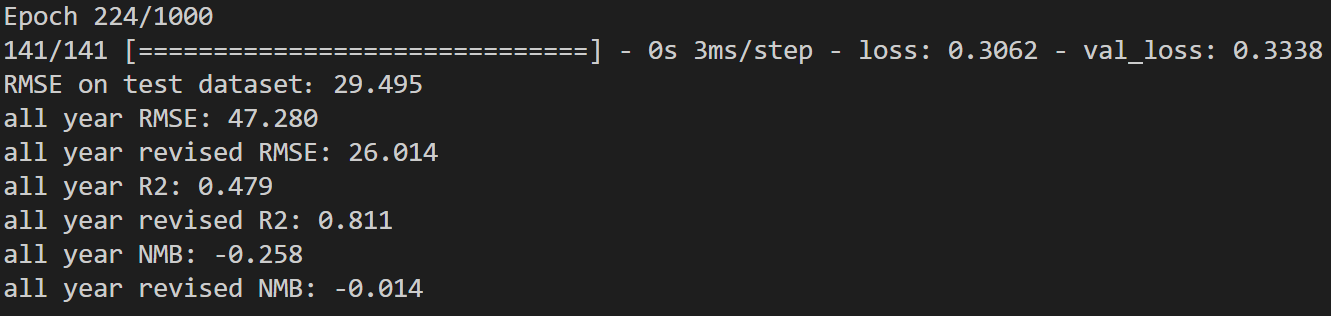




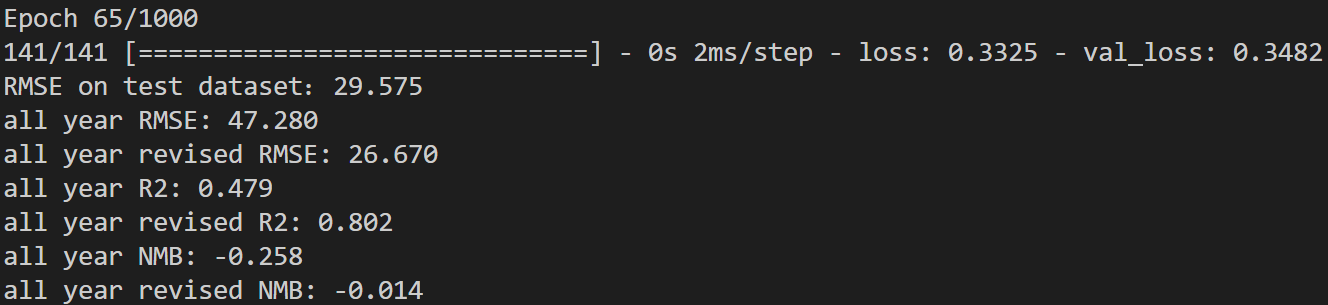




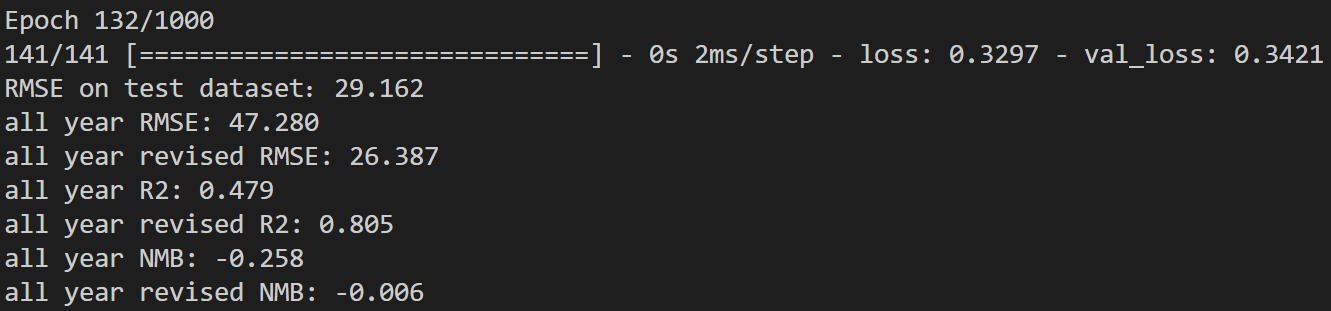




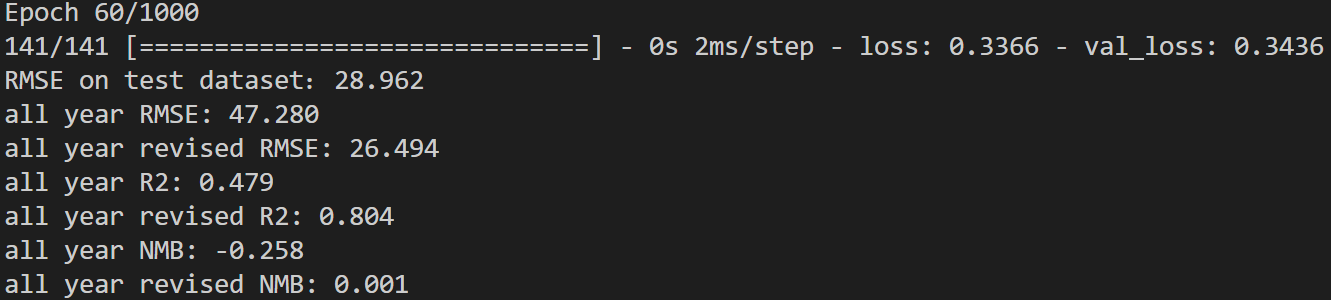




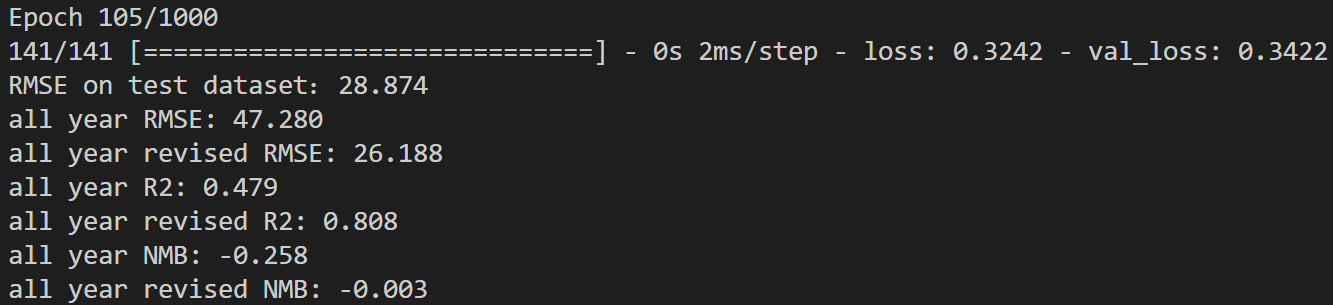




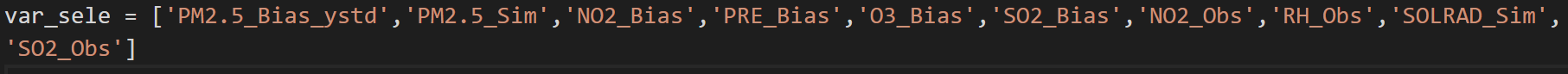


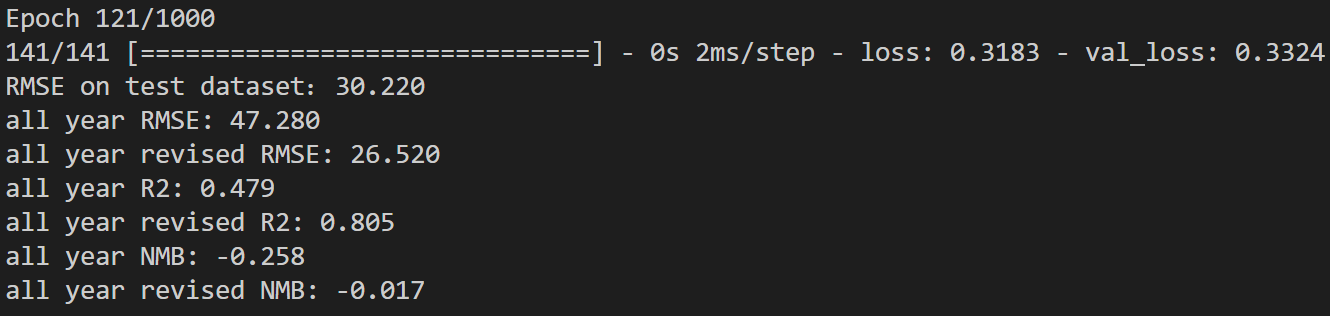


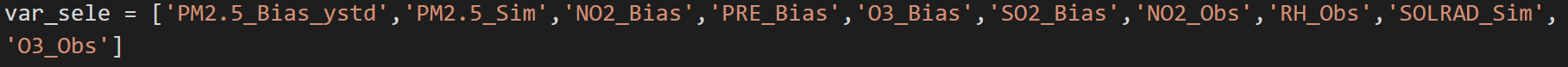


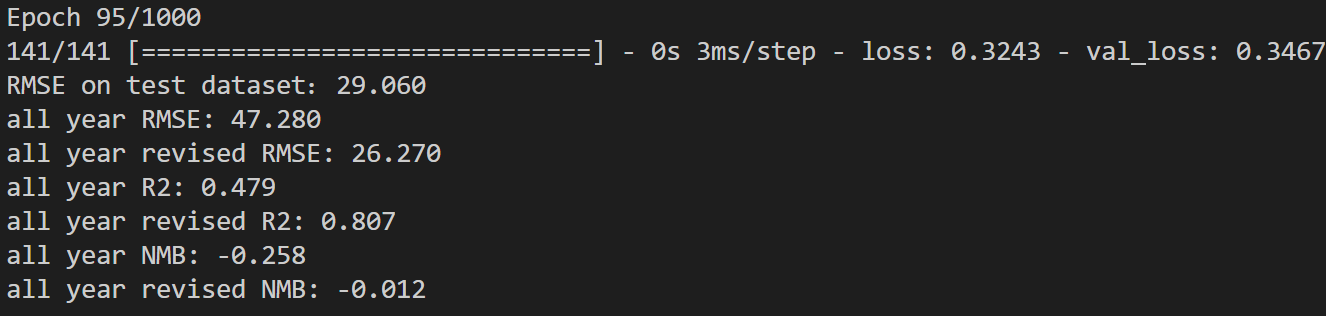


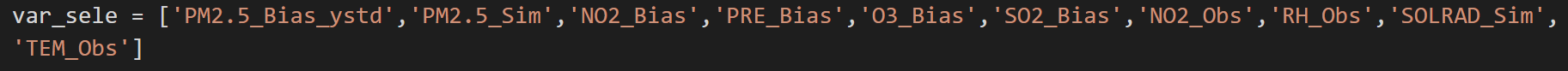
结论：SOLRAD\_Sim胜出

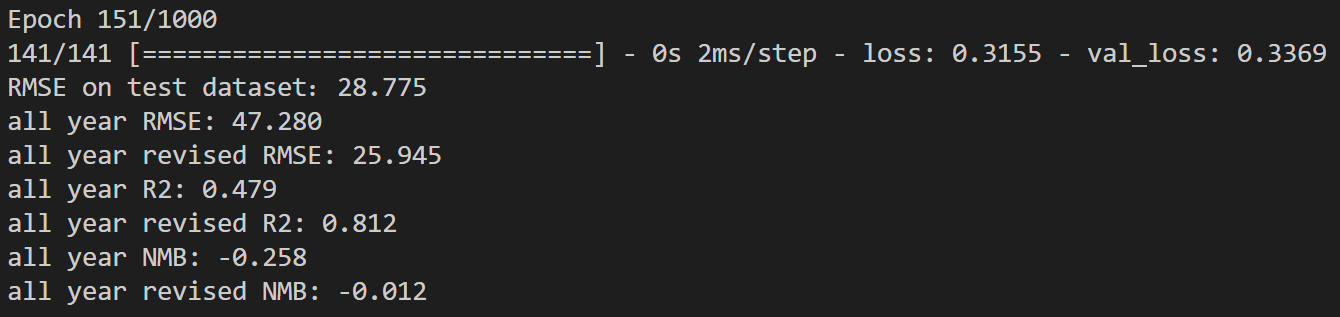


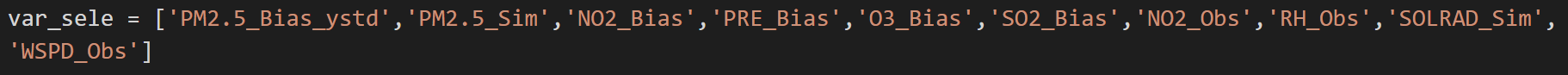


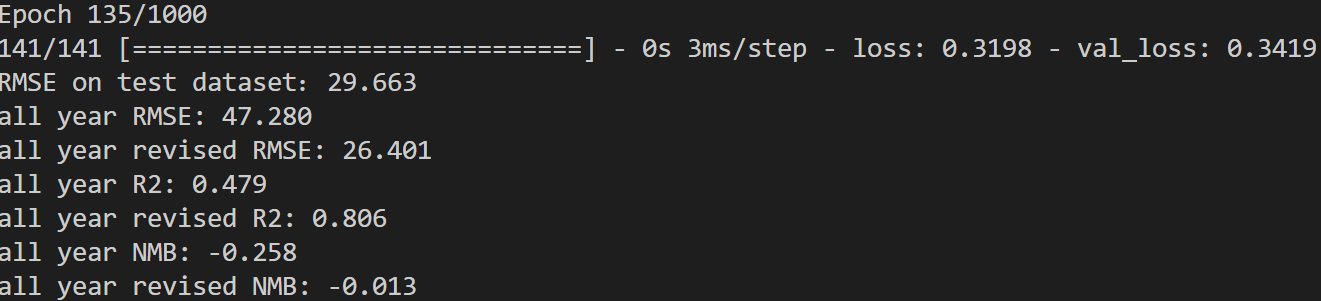


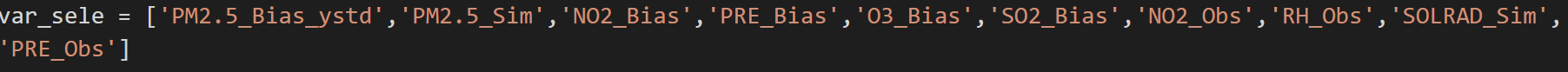




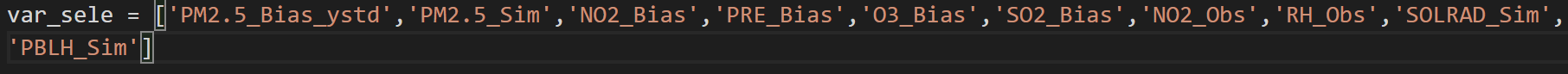


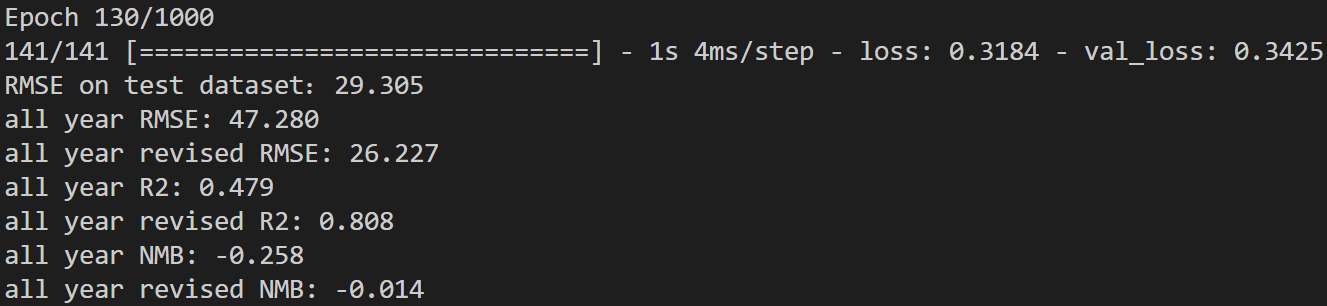




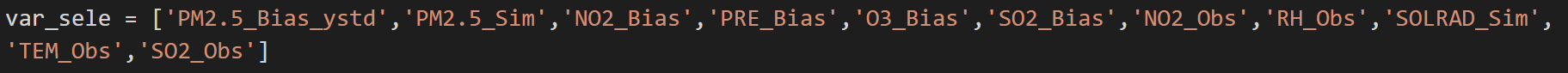


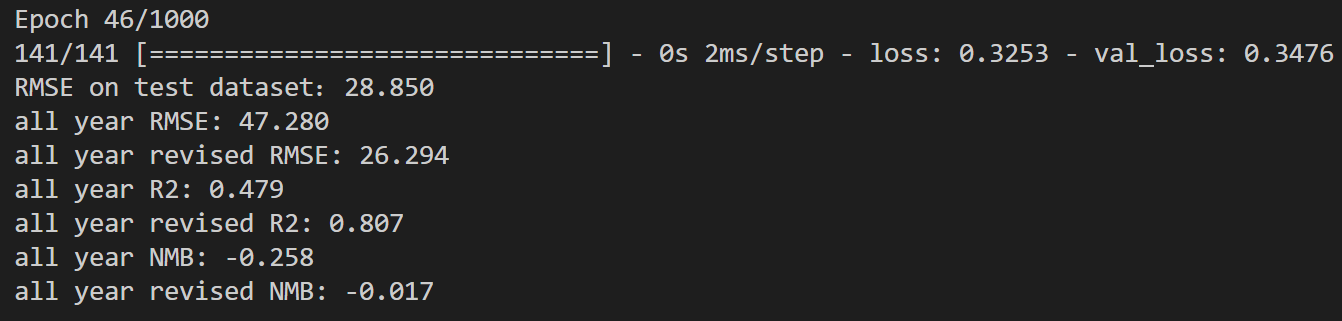


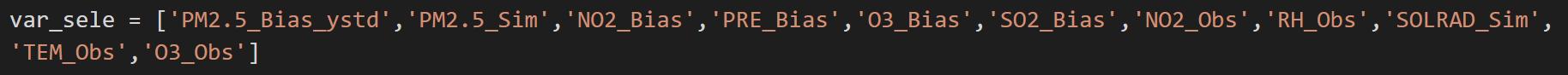


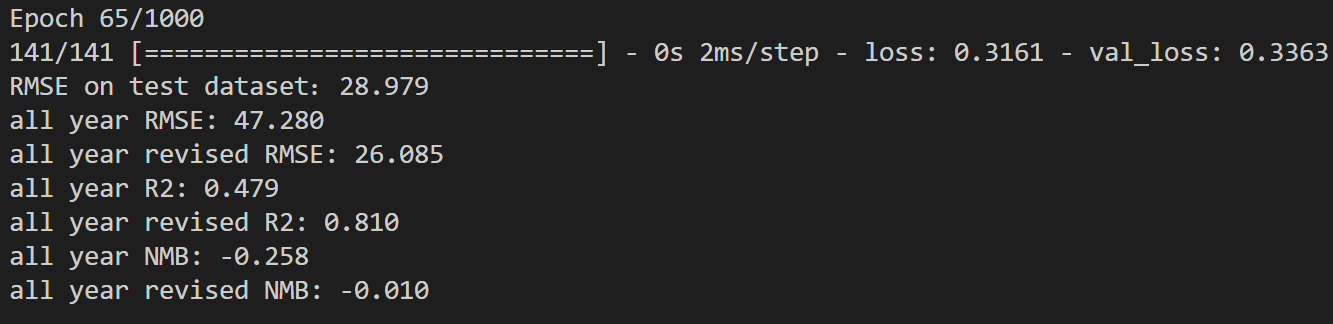


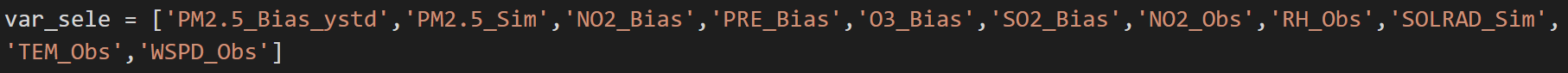
结论：TEM\_Obs胜出

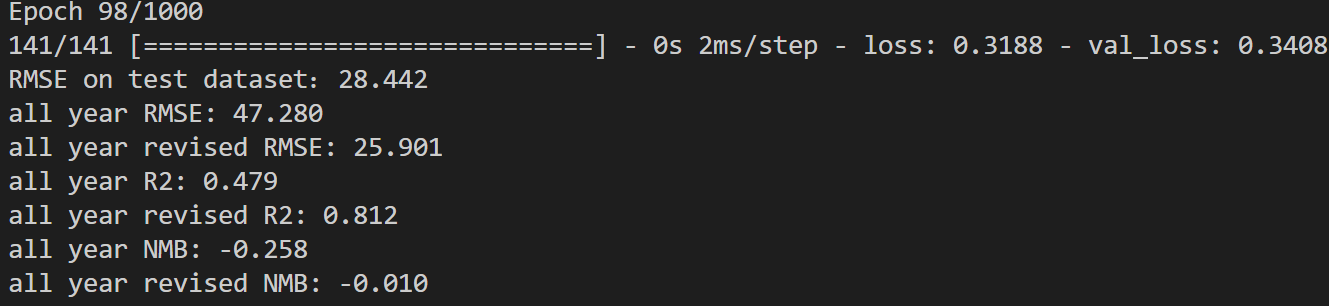


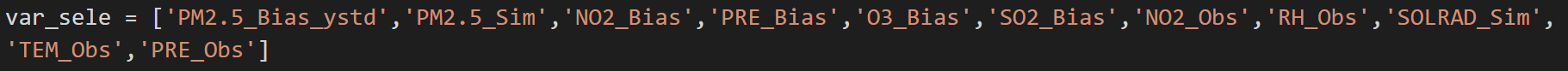


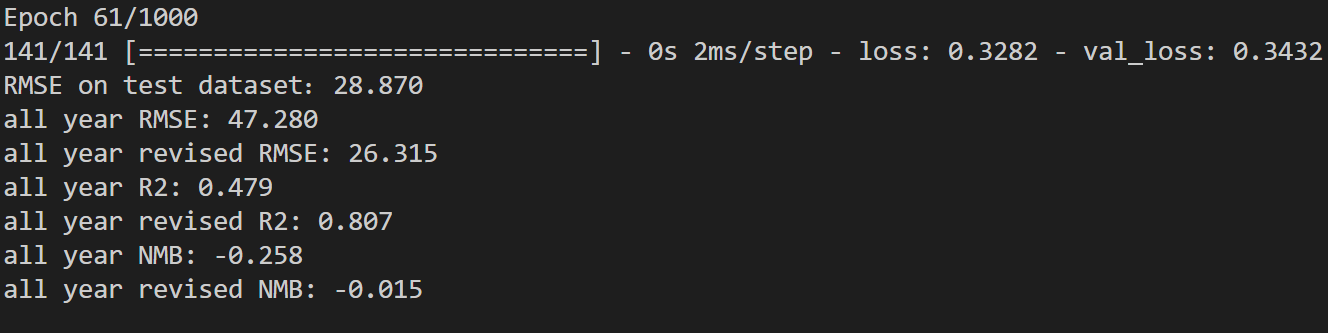


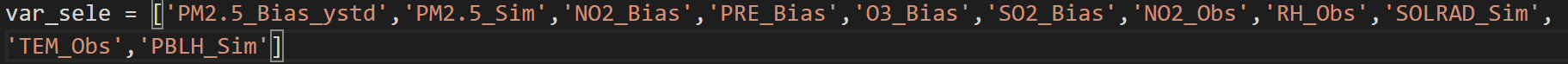














结论：WSPD\_Obs胜出





