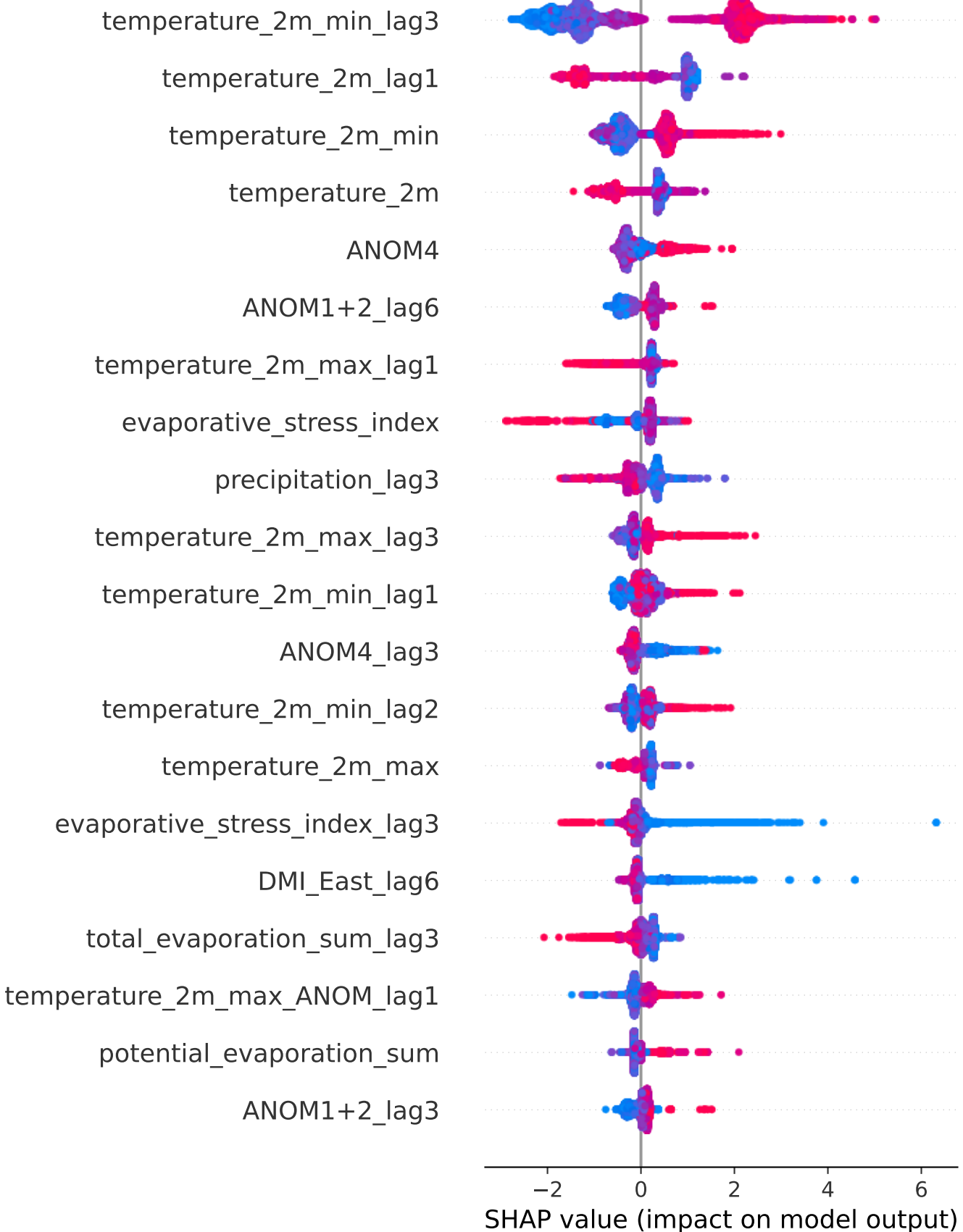


Sumatra - Train/Val | RMSE: 5.54, MAE: 3.12

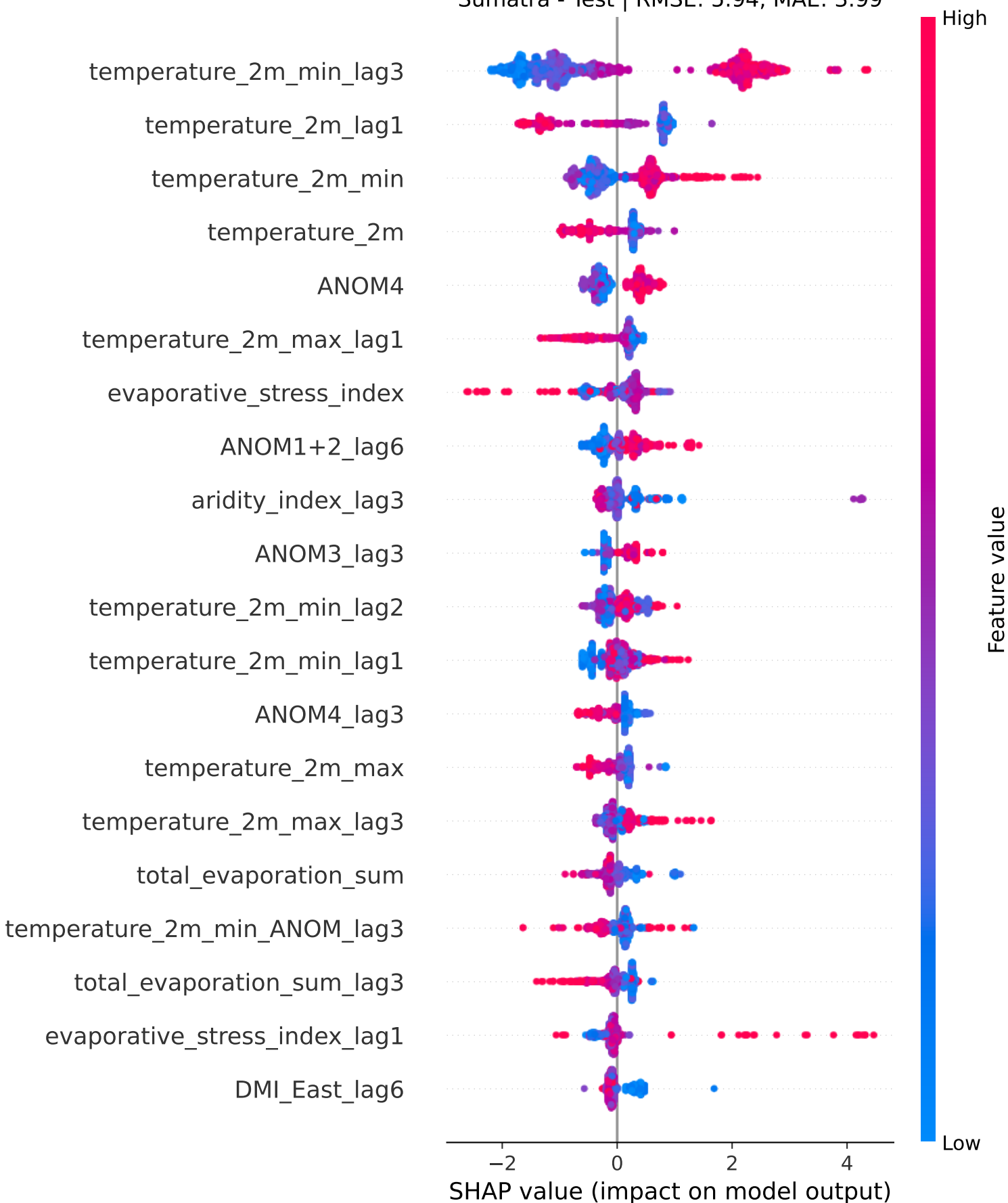
High

Feature value

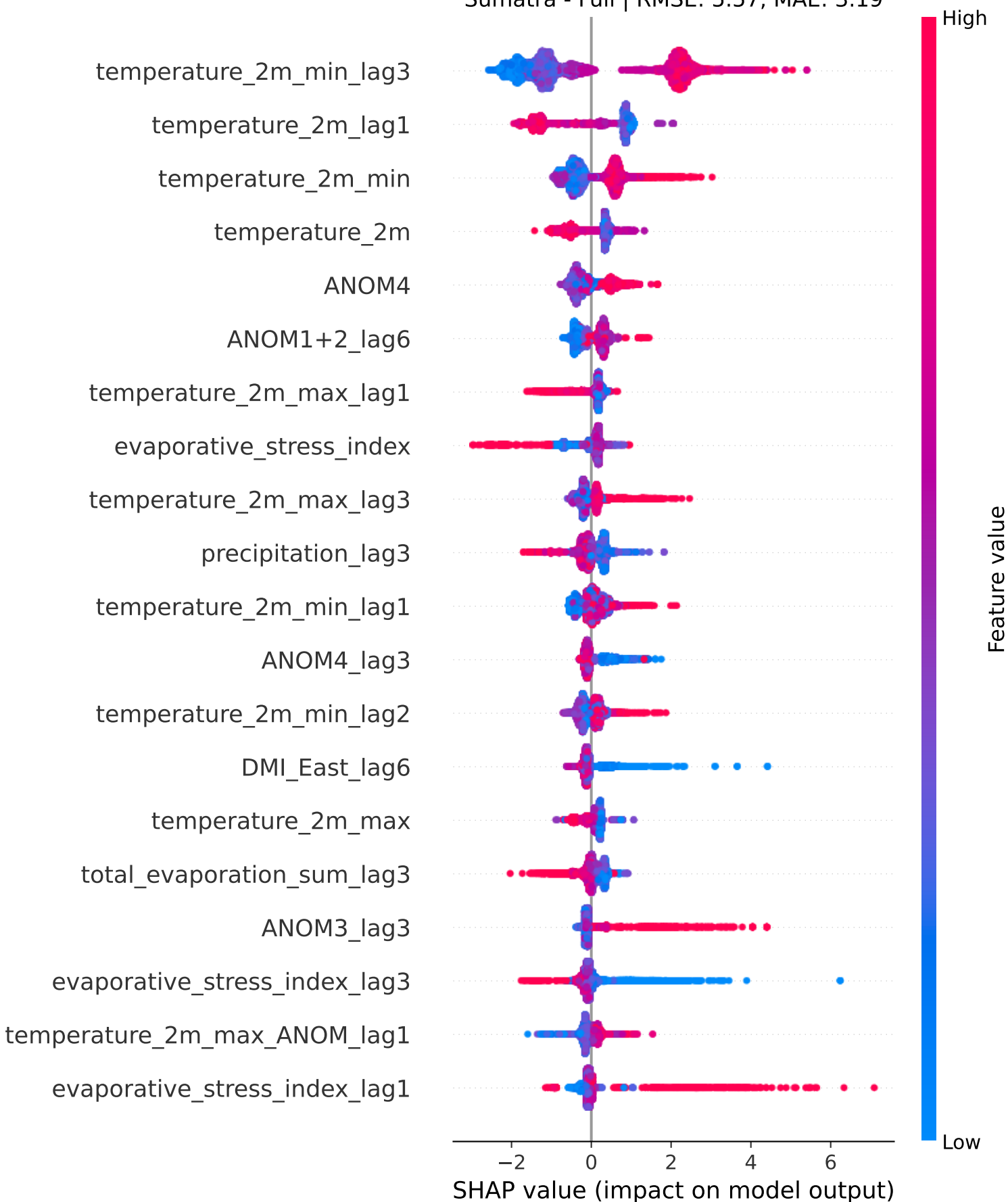
Low



Sumatra - Test | RMSE: 5.94, MAE: 3.99

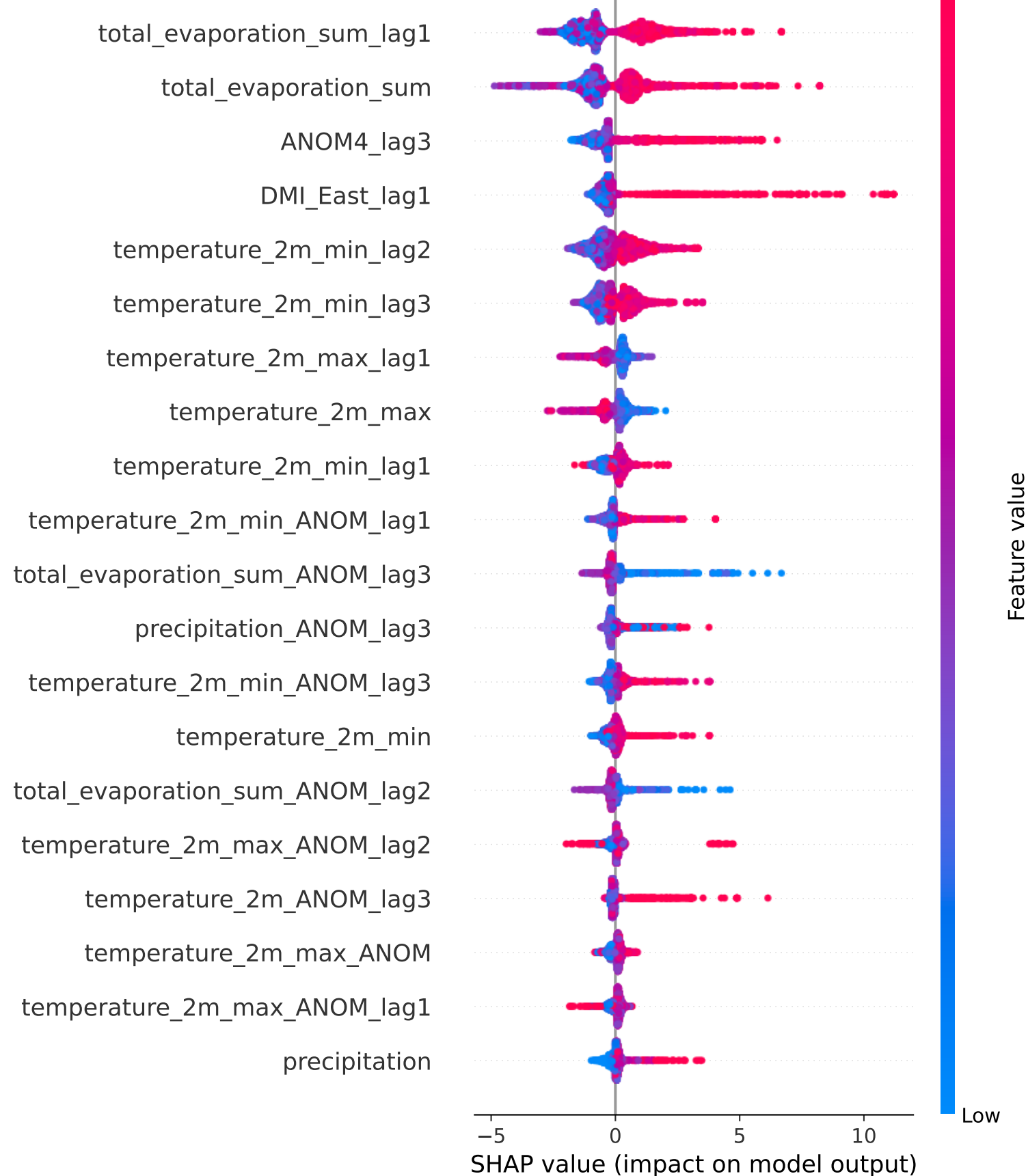


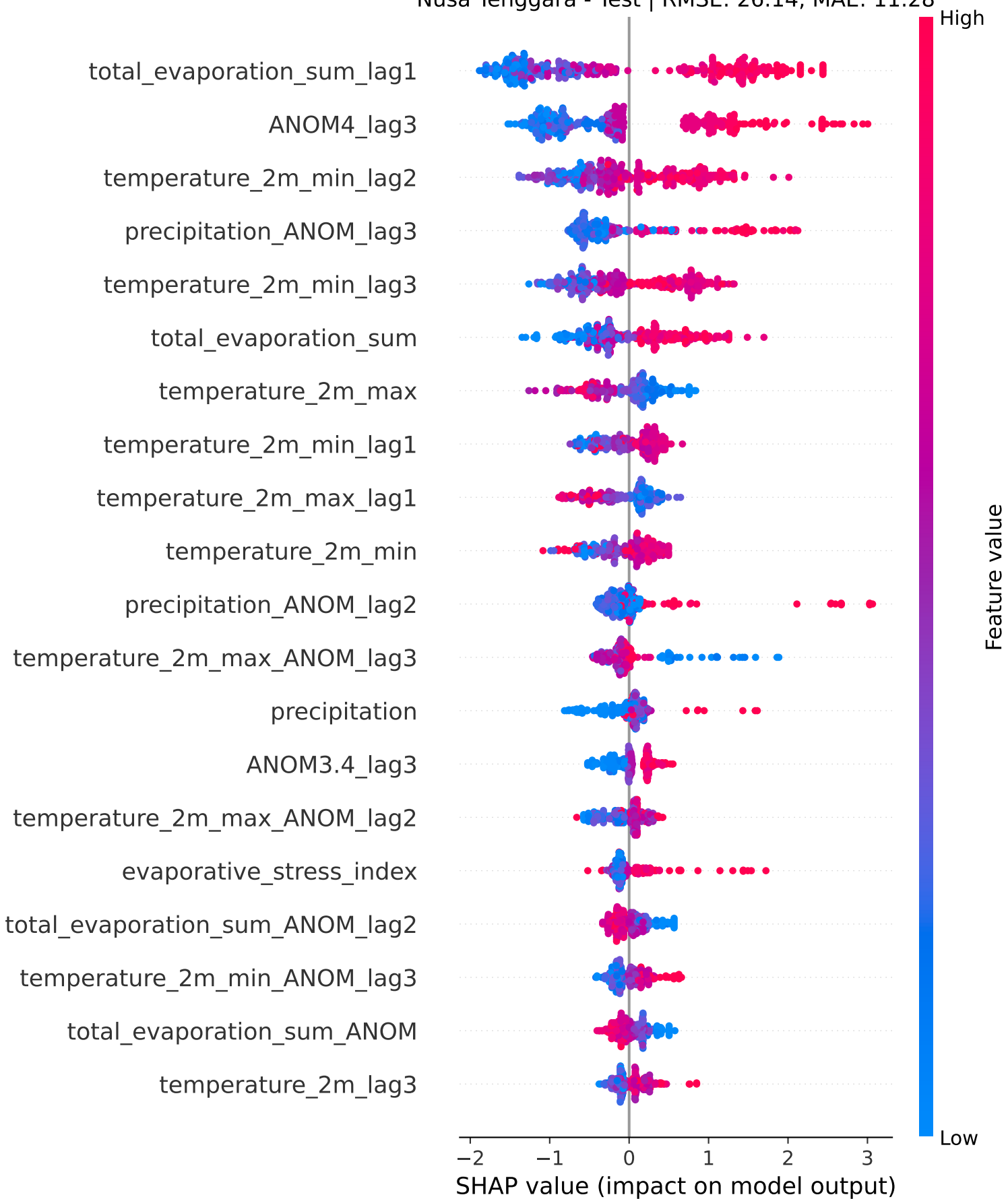
Sumatra - Full | RMSE: 5.57, MAE: 3.19



Nusa Tenggara - Train/Val | RMSE: 8.62, MAE: 4.16

High





Nusa Tenggara - Full | RMSE: 10.93, MAE: 4.68

High

total\_evaporation\_sum\_lag1  
ANOM4\_lag3  
total\_evaporation\_sum  
temperature\_2m\_min\_lag2  
temperature\_2m\_min\_lag3  
DMI\_East\_lag1  
temperature\_2m\_max\_lag1  
temperature\_2m\_max  
temperature\_2m\_min\_lag1  
precipitation\_ANOM\_lag3  
temperature\_2m\_min\_ANOM\_lag3  
temperature\_2m\_min\_ANOM\_lag1  
total\_evaporation\_sum\_ANOM\_lag3  
temperature\_2m\_min  
total\_evaporation\_sum\_ANOM\_lag2  
precipitation  
temperature\_2m\_max\_ANOM\_lag2  
temperature\_2m\_max\_ANOM  
temperature\_2m\_ANOM\_lag1  
potential\_evaporation\_sum\_lag1

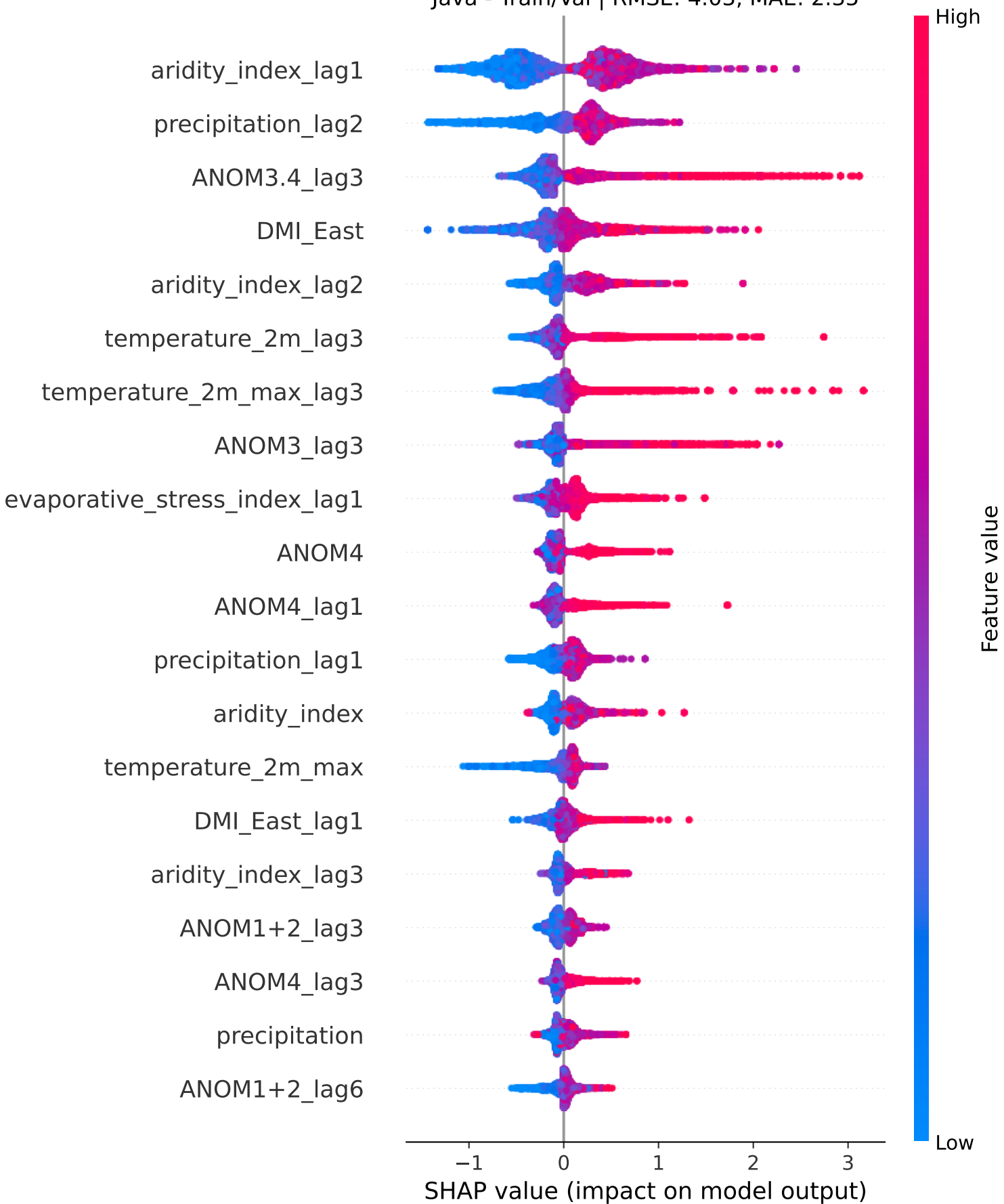
Feature value

SHAP value (impact on model output)

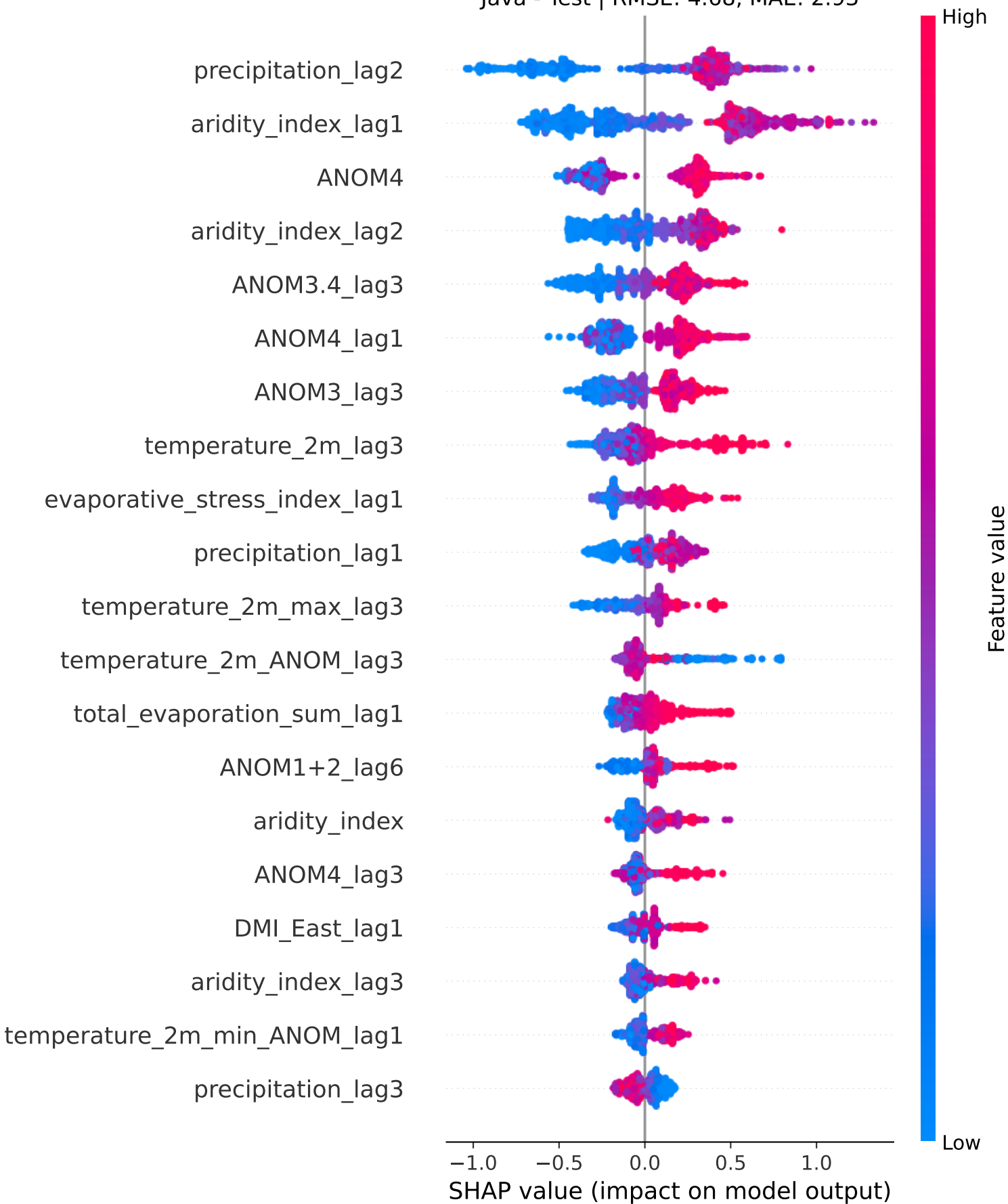
Low

-5.0 -2.5 0.0 2.5 5.0 7.5 10.0

Java - Train/Val | RMSE: 4.03, MAE: 2.35

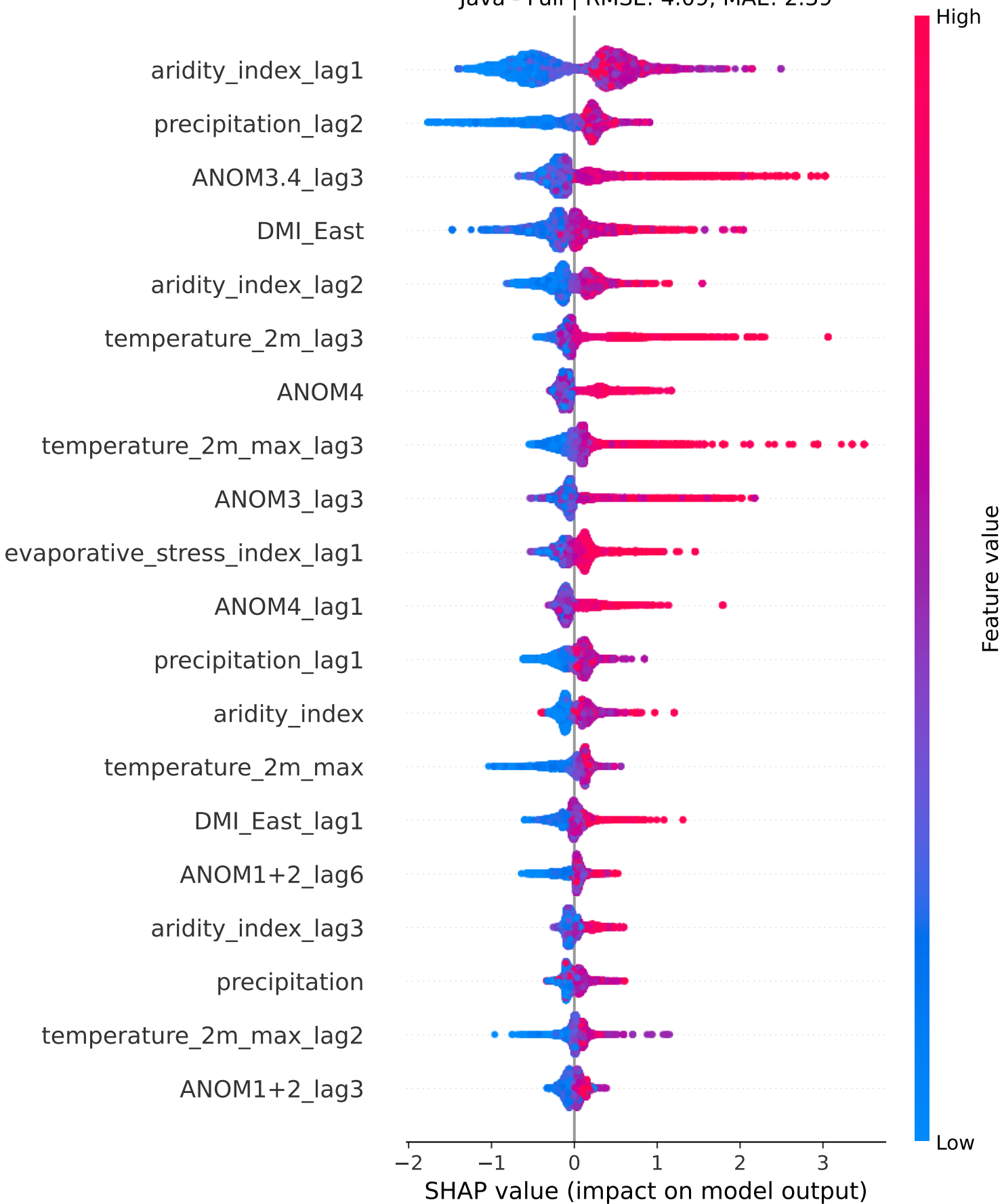


Java - Test | RMSE: 4.68, MAE: 2.93





Java - Full | RMSE: 4.09, MAE: 2.39

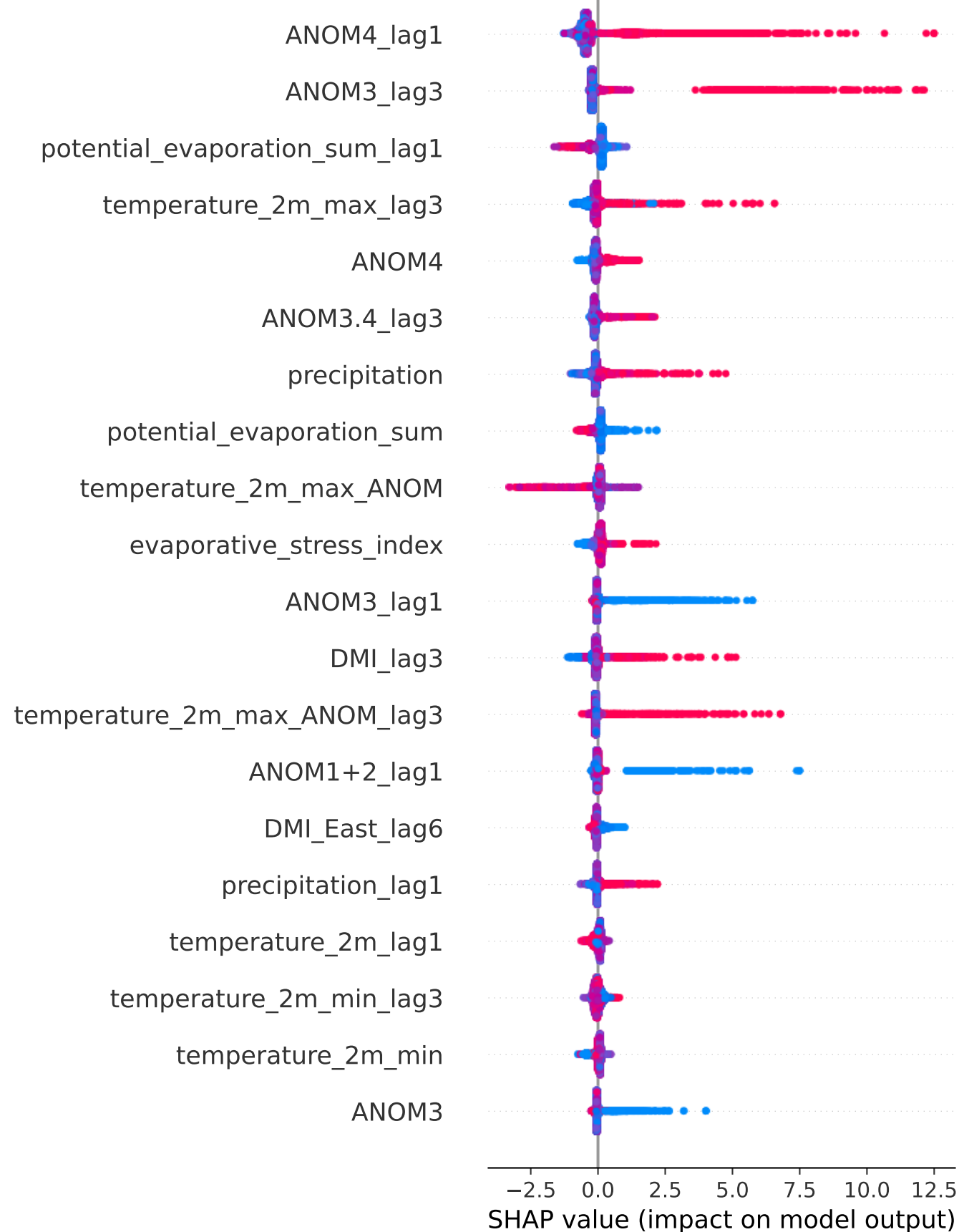


Sulawesi - Train/Val | RMSE: 6.09, MAE: 3.37

High

Feature value

Low

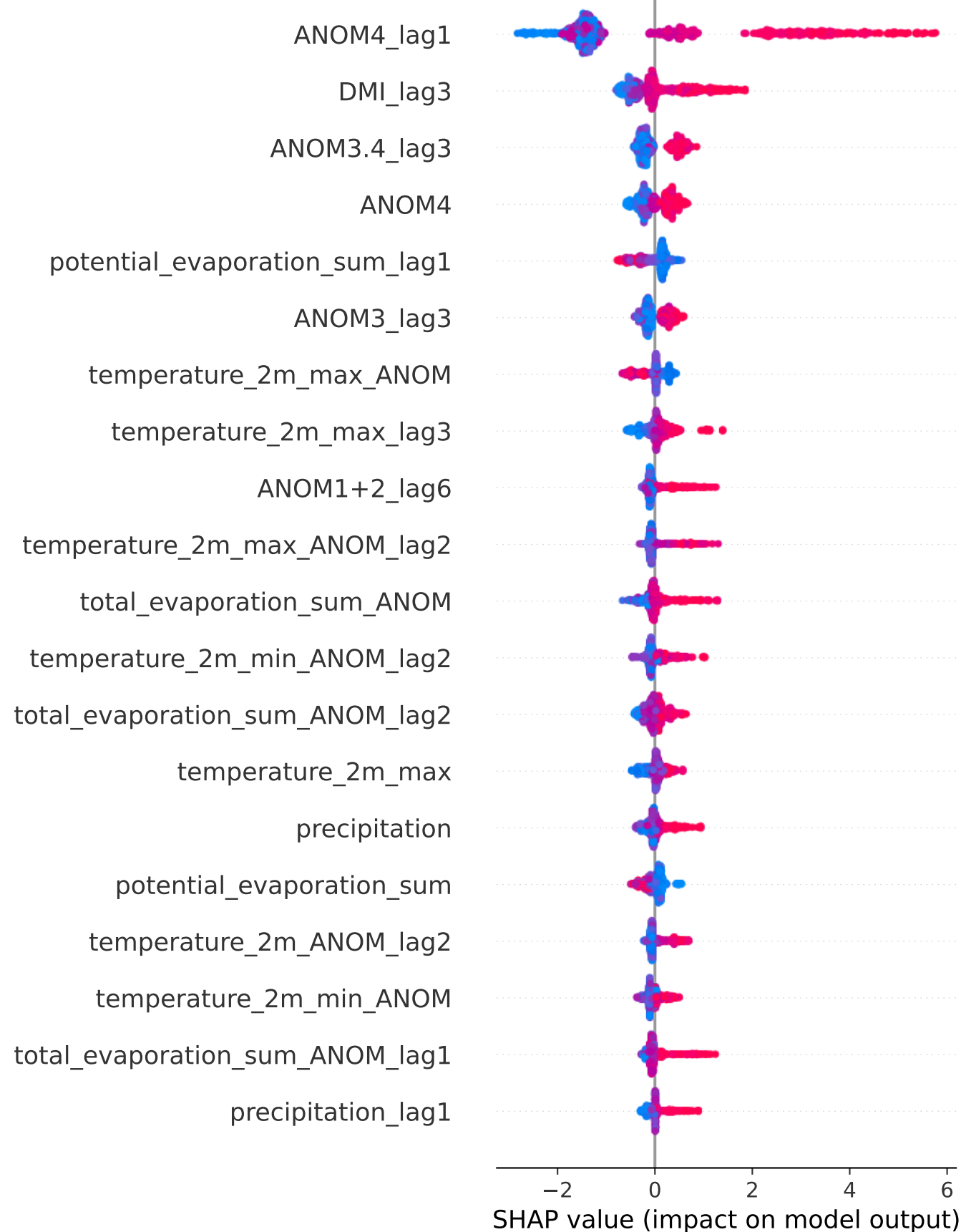


Sulawesi - Test | RMSE: 8.10, MAE: 6.02

High

Feature value

Low

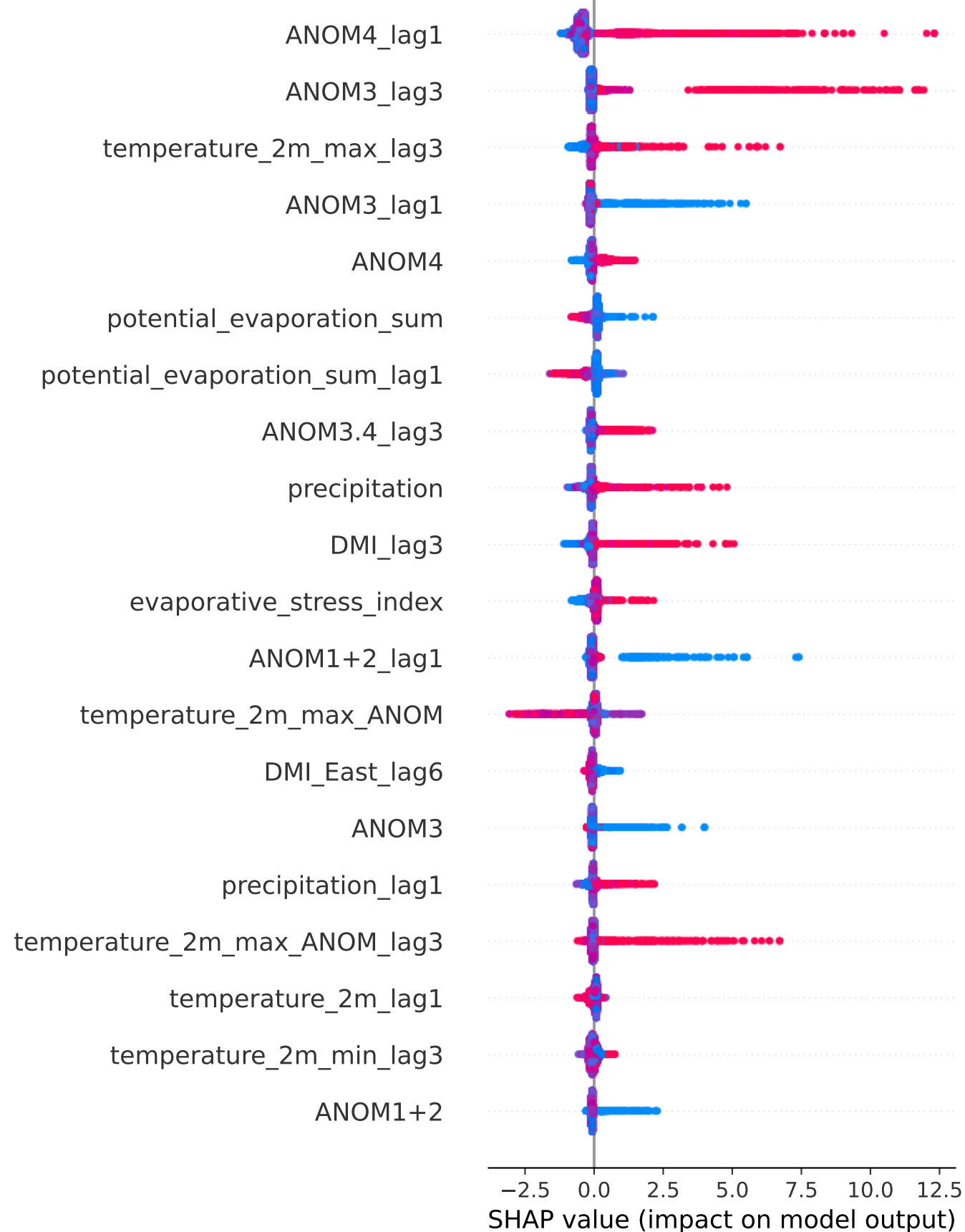


Sulawesi - Full | RMSE: 6.26, MAE: 3.57

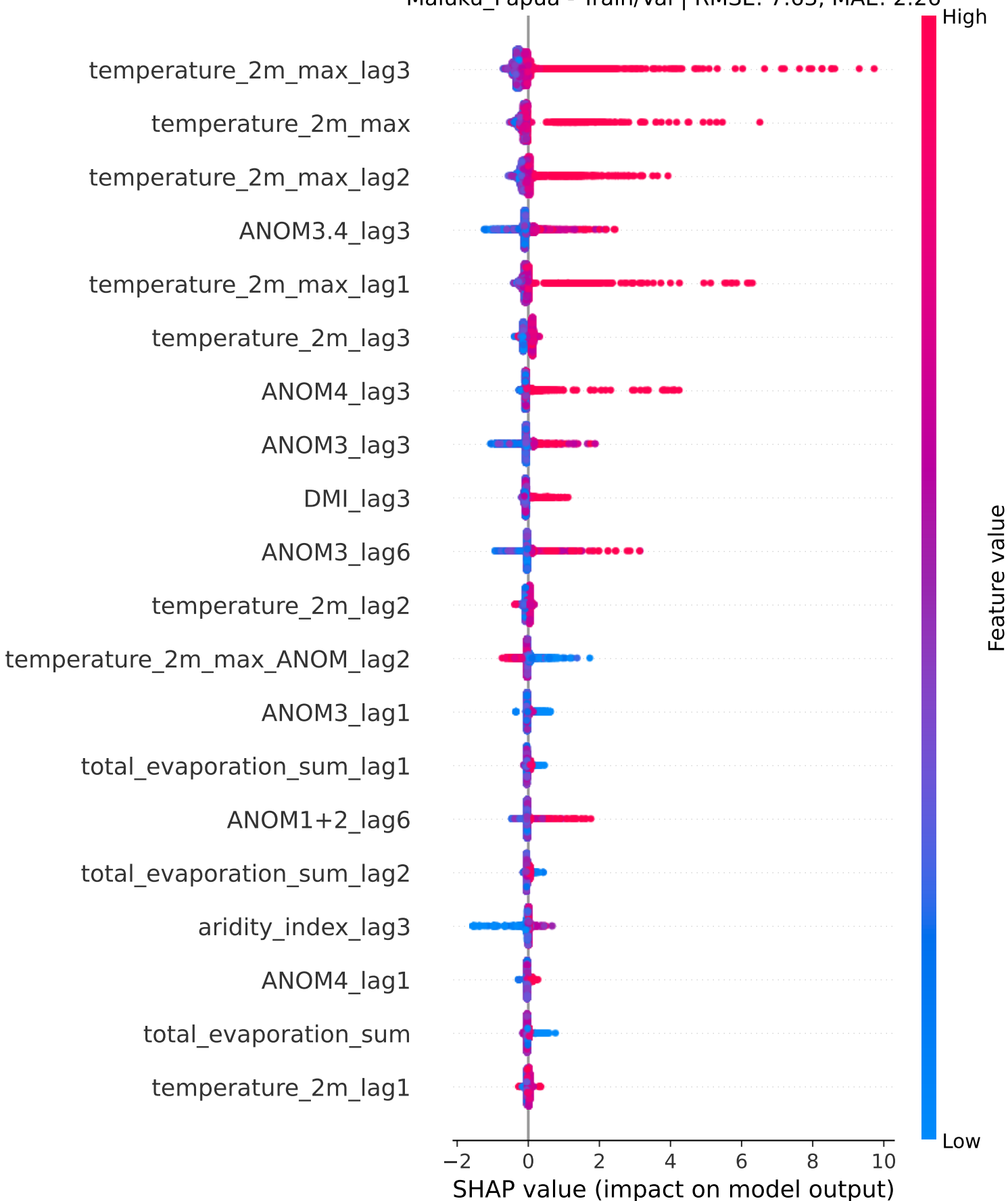
High

Feature value

Low



Maluku\_Papua - Train/Val | RMSE: 7.63, MAE: 2.26

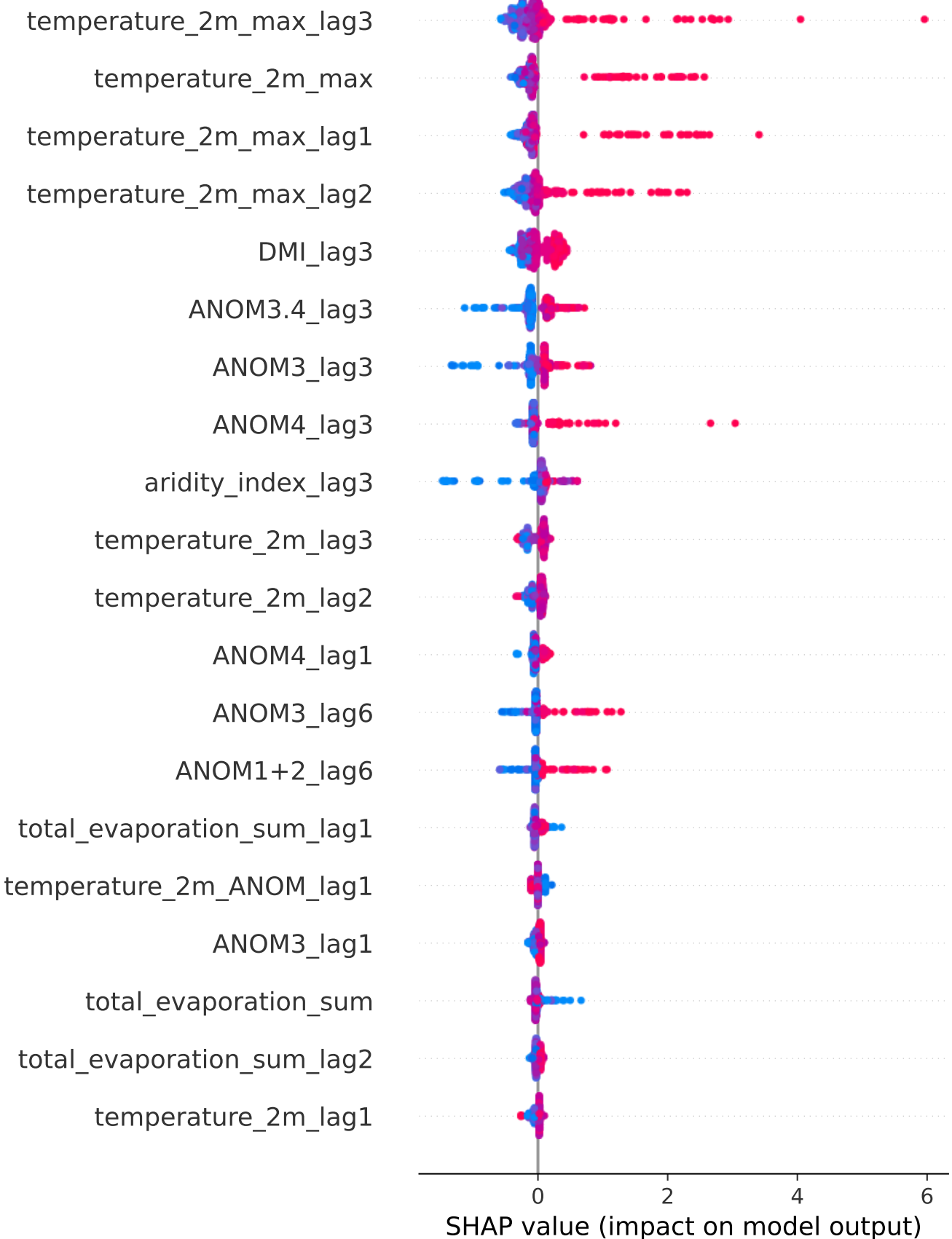


Maluku\_Papua - Test | RMSE: 4.06, MAE: 2.41

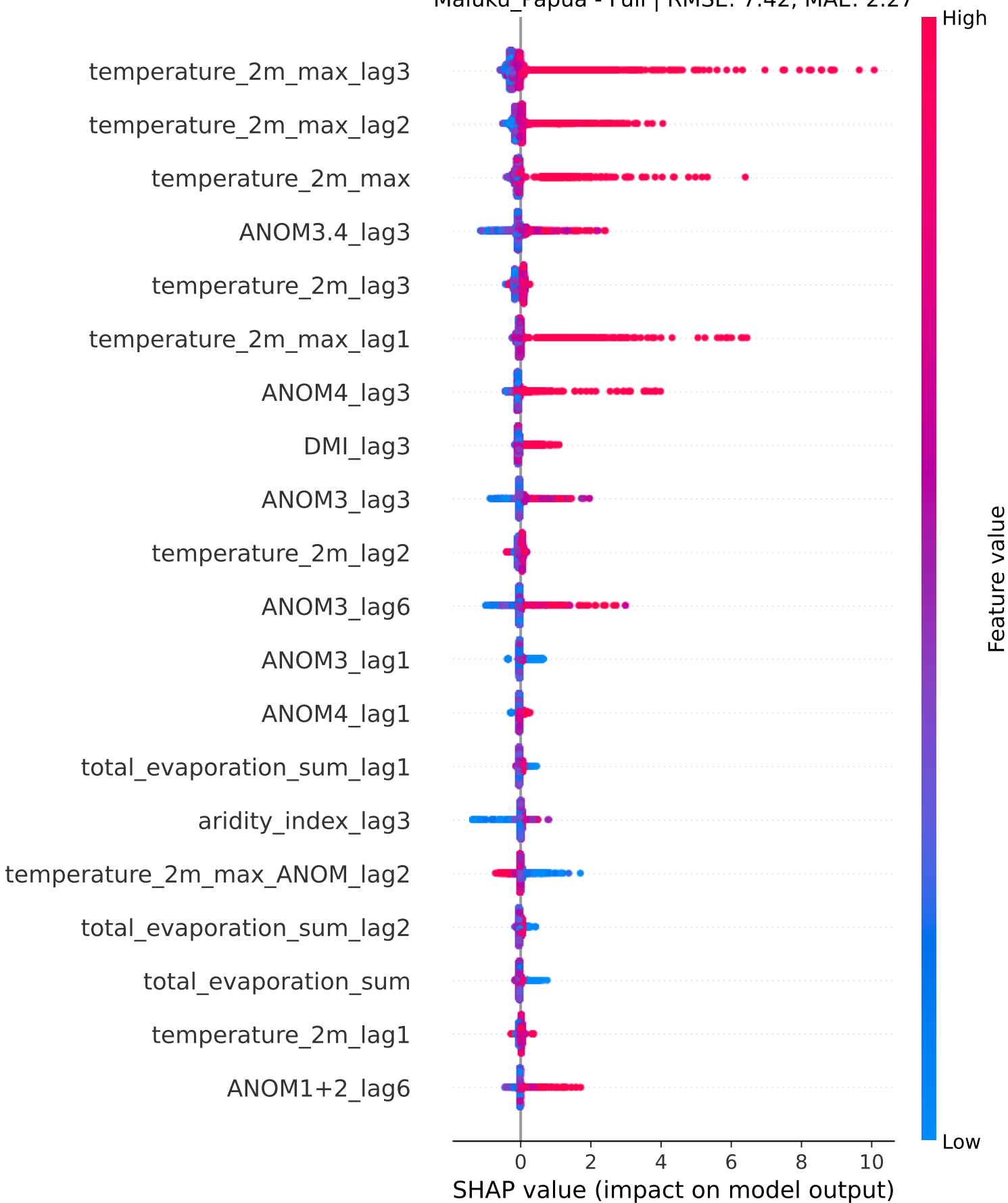
High

Feature value

Low



Maluku\_Papua - Full | RMSE: 7.42, MAE: 2.27

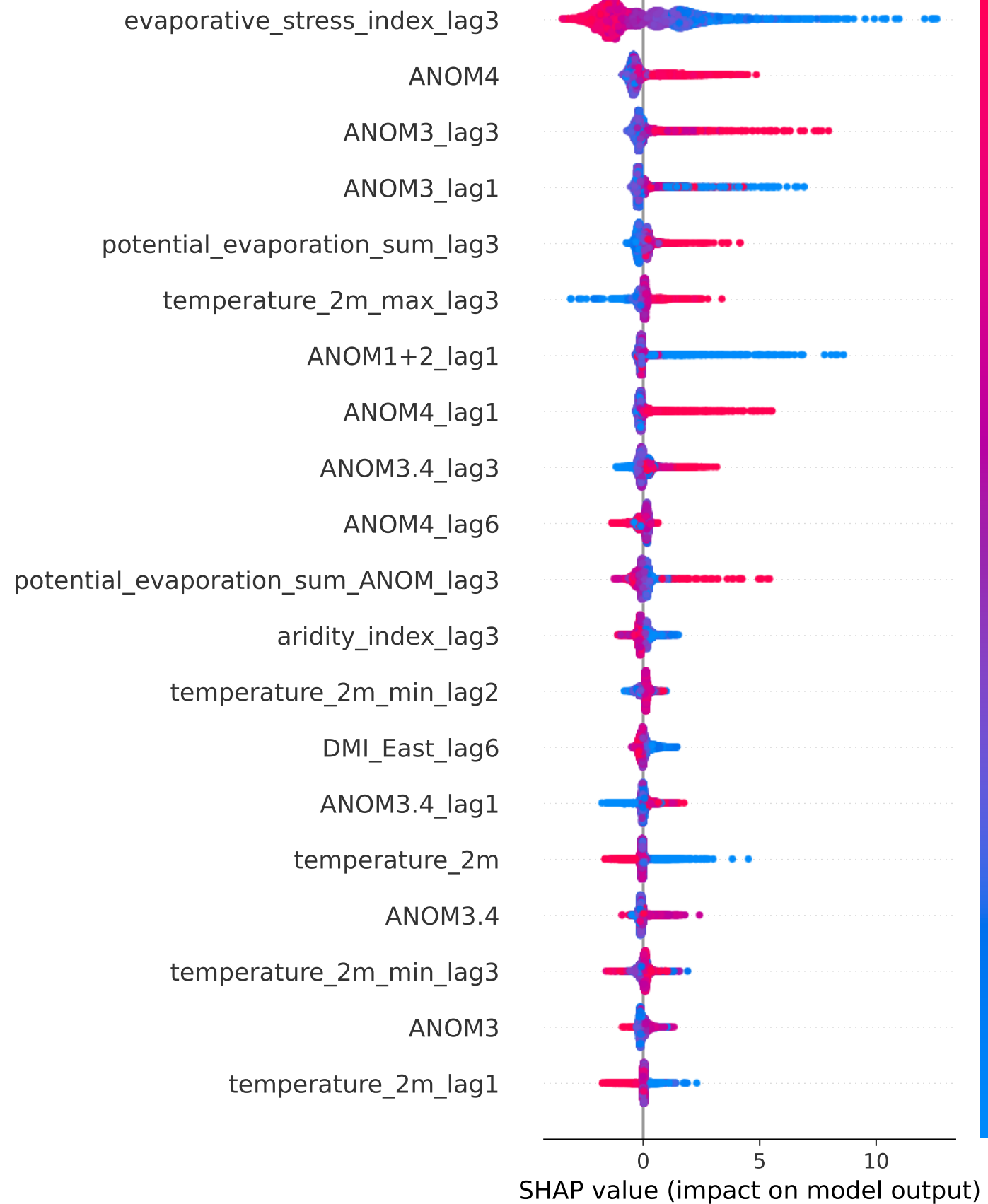


Kalimantan - Train/Val | RMSE: 5.12, MAE: 2.94

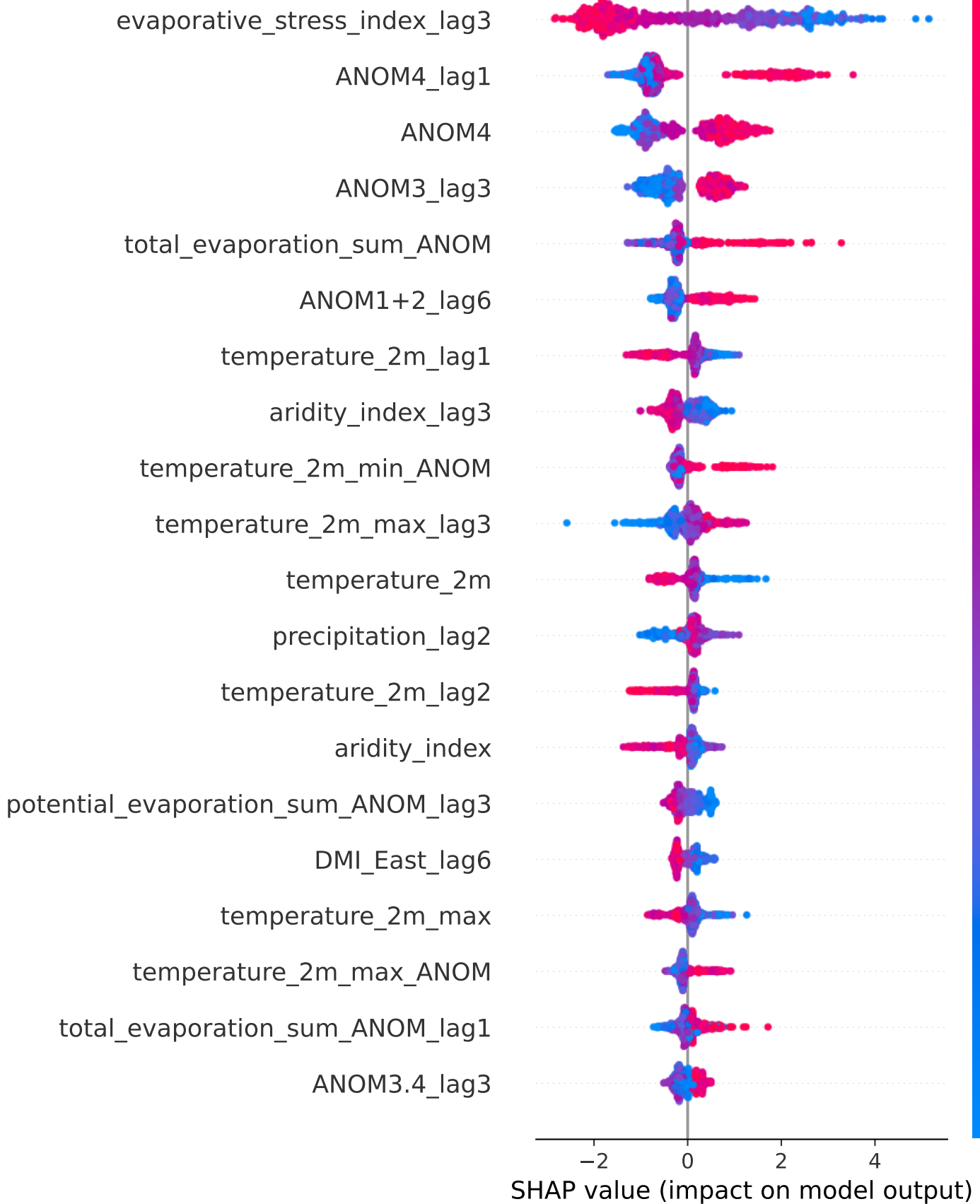
High

Feature value

Low







Kalimantan - Full | RMSE: 5.65, MAE: 3.29

High

Feature value

Low

evaporative\_stress\_index\_lag3  
ANOM4  
ANOM3\_lag1  
ANOM3\_lag3  
ANOM4\_lag1  
ANOM1+2\_lag1  
temperature\_2m\_max\_lag3  
potential\_evaporation\_sum\_lag3  
potential\_evaporation\_sum\_ANOM\_lag3  
ANOM4\_lag6  
aridity\_index\_lag3  
ANOM3.4\_lag3  
DMI\_East\_lag6  
ANOM3.4\_lag1  
temperature\_2m  
ANOM3  
temperature\_2m\_lag1  
ANOM1+2\_lag6  
temperature\_2m\_min\_lag2  
evaporative\_stress\_index\_lag2

SHAP value (impact on model output)

0 5 10