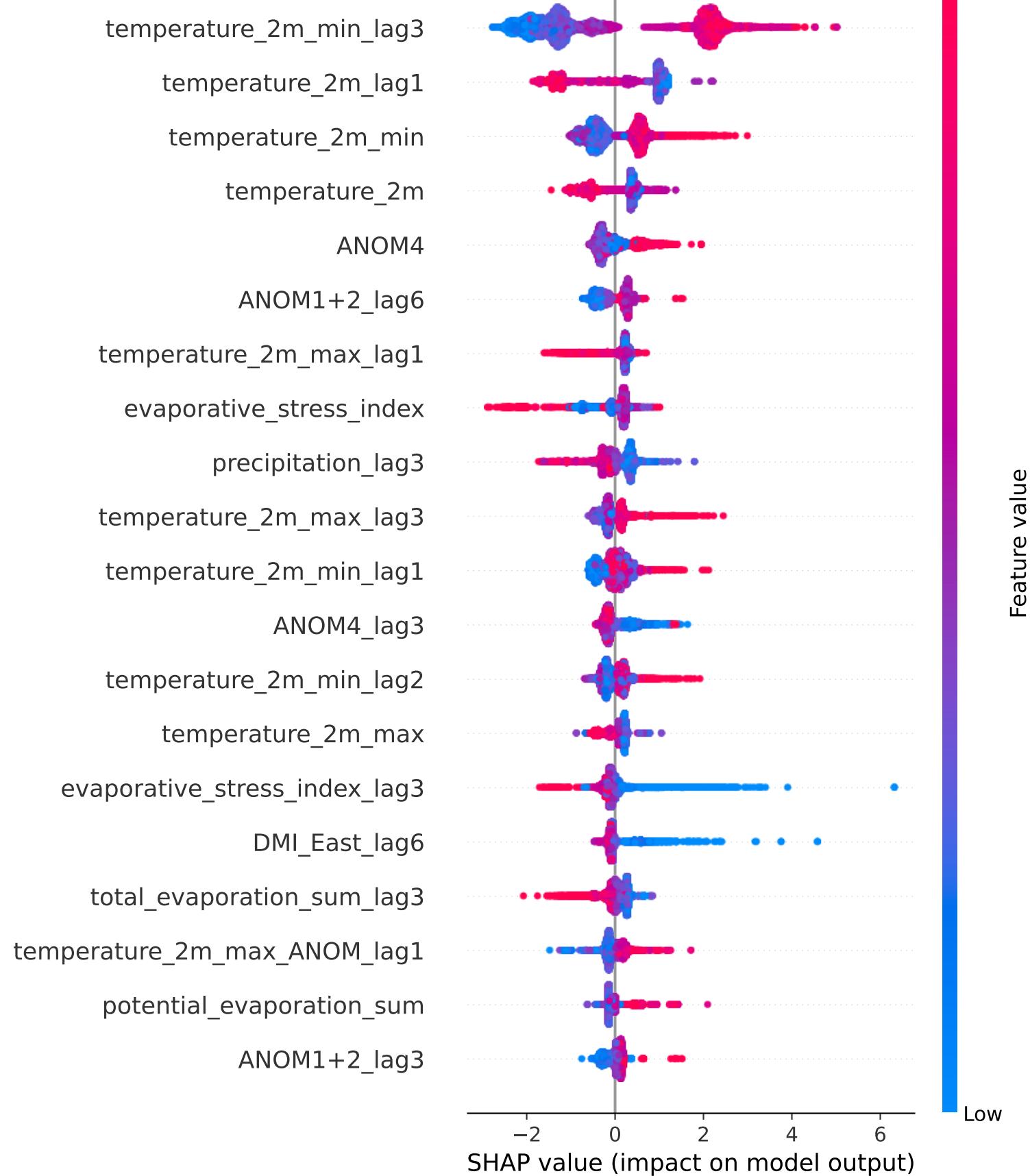


High

Feature value

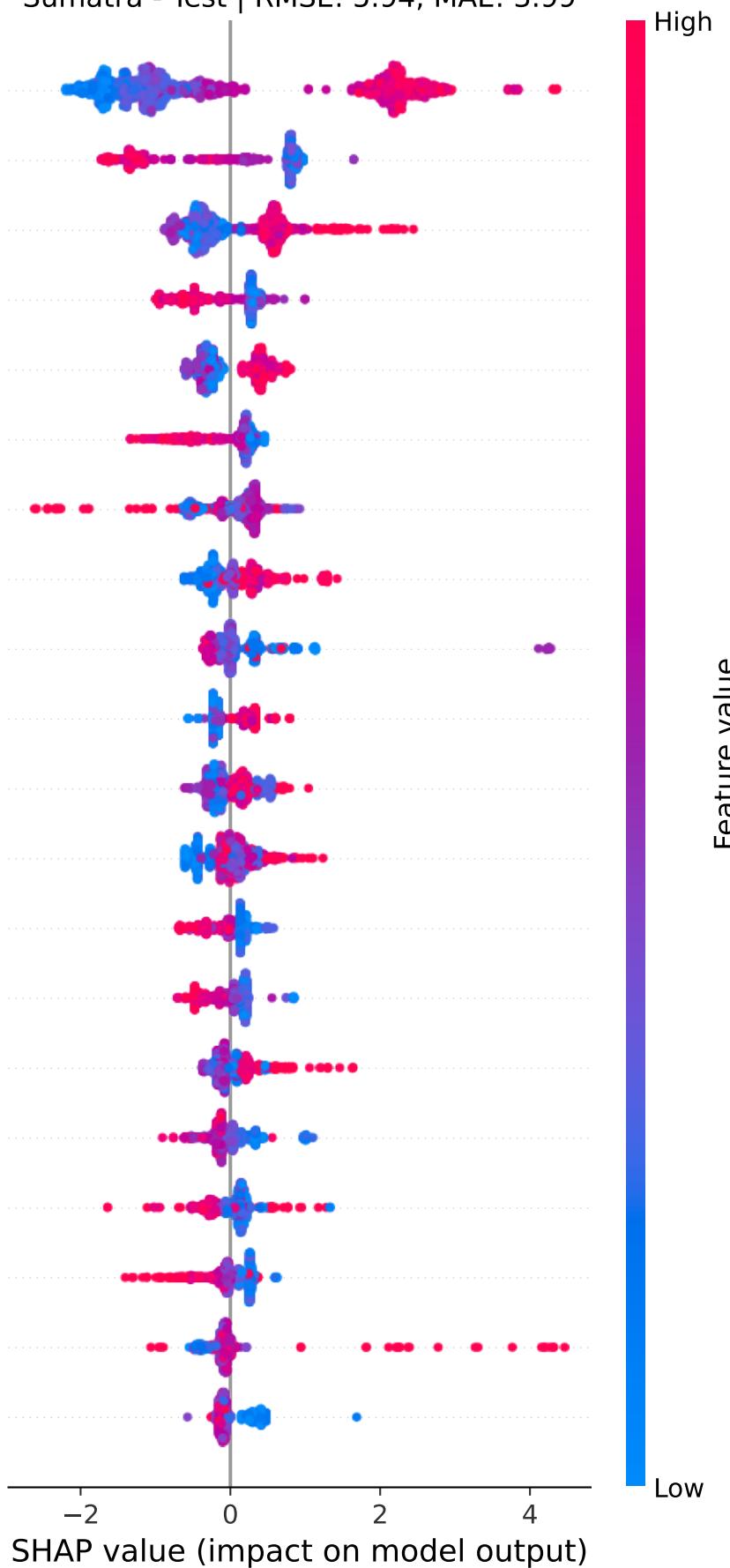
Low



Sumatra - Test | RMSE: 5.94, MAE: 3.99

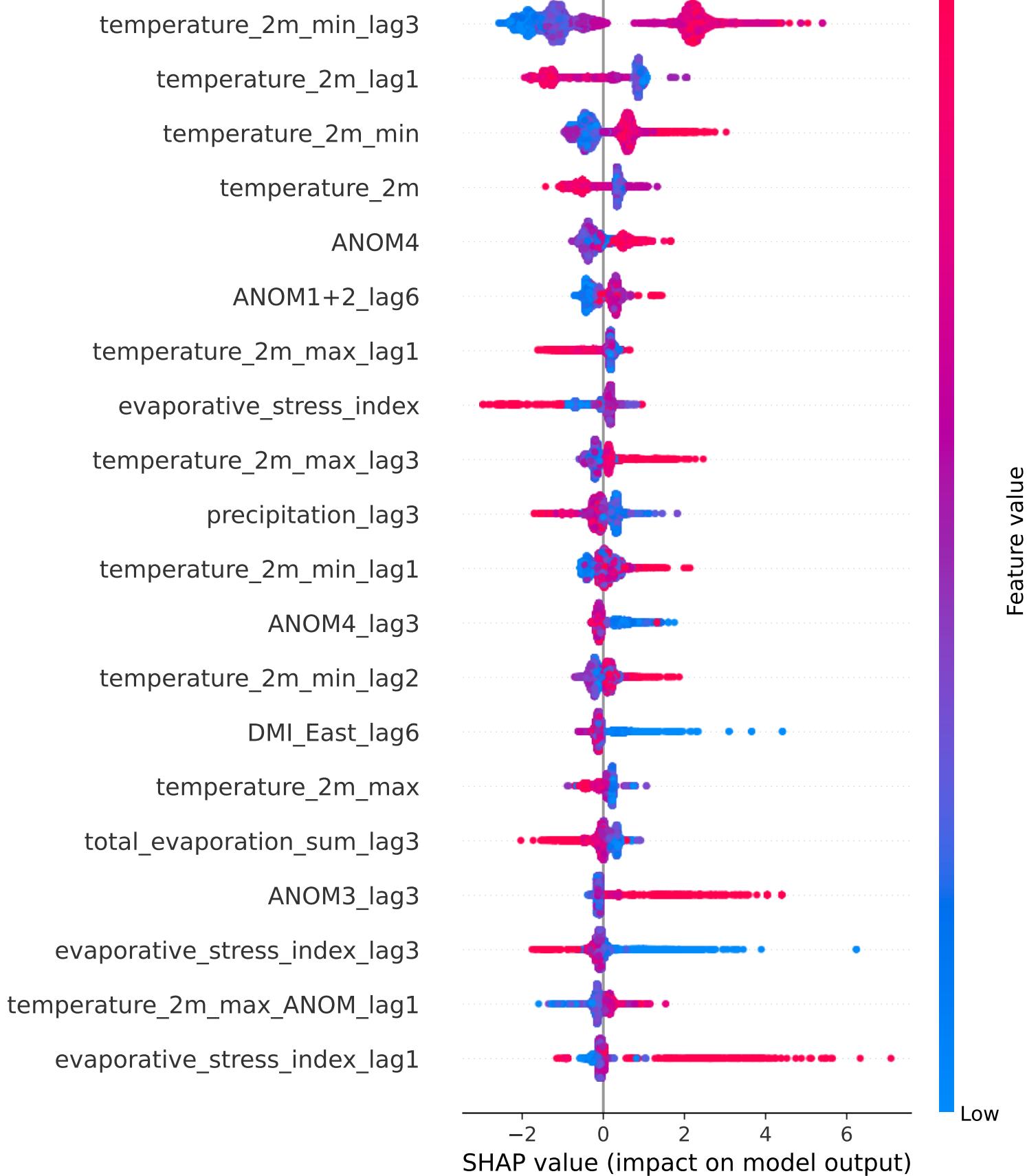
High

temperature_2m_min_lag3
temperature_2m_lag1
temperature_2m_min
temperature_2m
ANOM4
temperature_2m_max_lag1
evaporative_stress_index
ANOM1+2_lag6
aridity_index_lag3
ANOM3_lag3
temperature_2m_min_lag2
temperature_2m_min_lag1
ANOM4_lag3
temperature_2m_max
temperature_2m_max_lag3
total_evaporation_sum
temperature_2m_min_ANOM_lag3
total_evaporation_sum_lag3
evaporative_stress_index_lag1
DMI_East_lag6



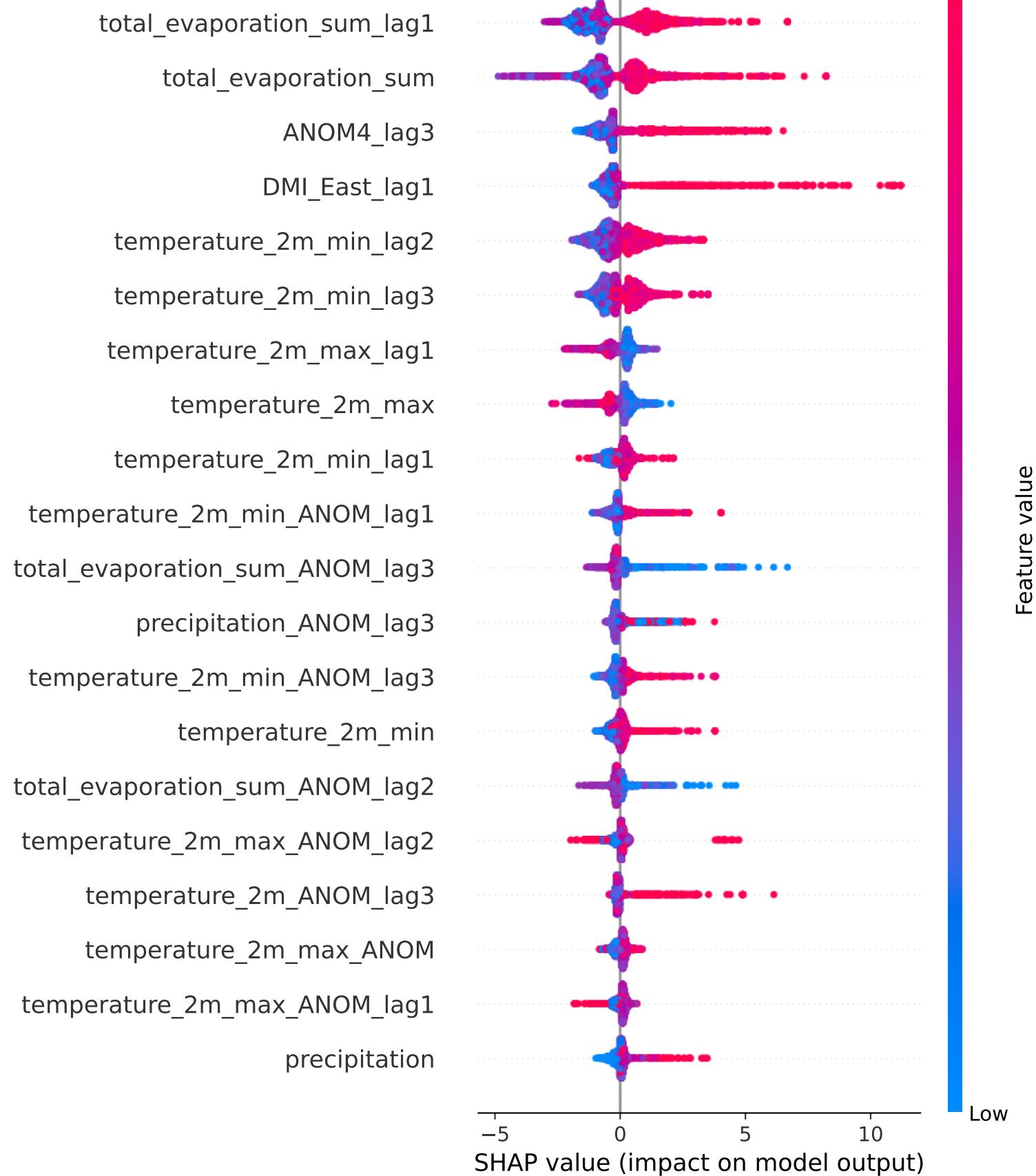
Sumatra - Full | RMSE: 5.57, MAE: 3.19

High



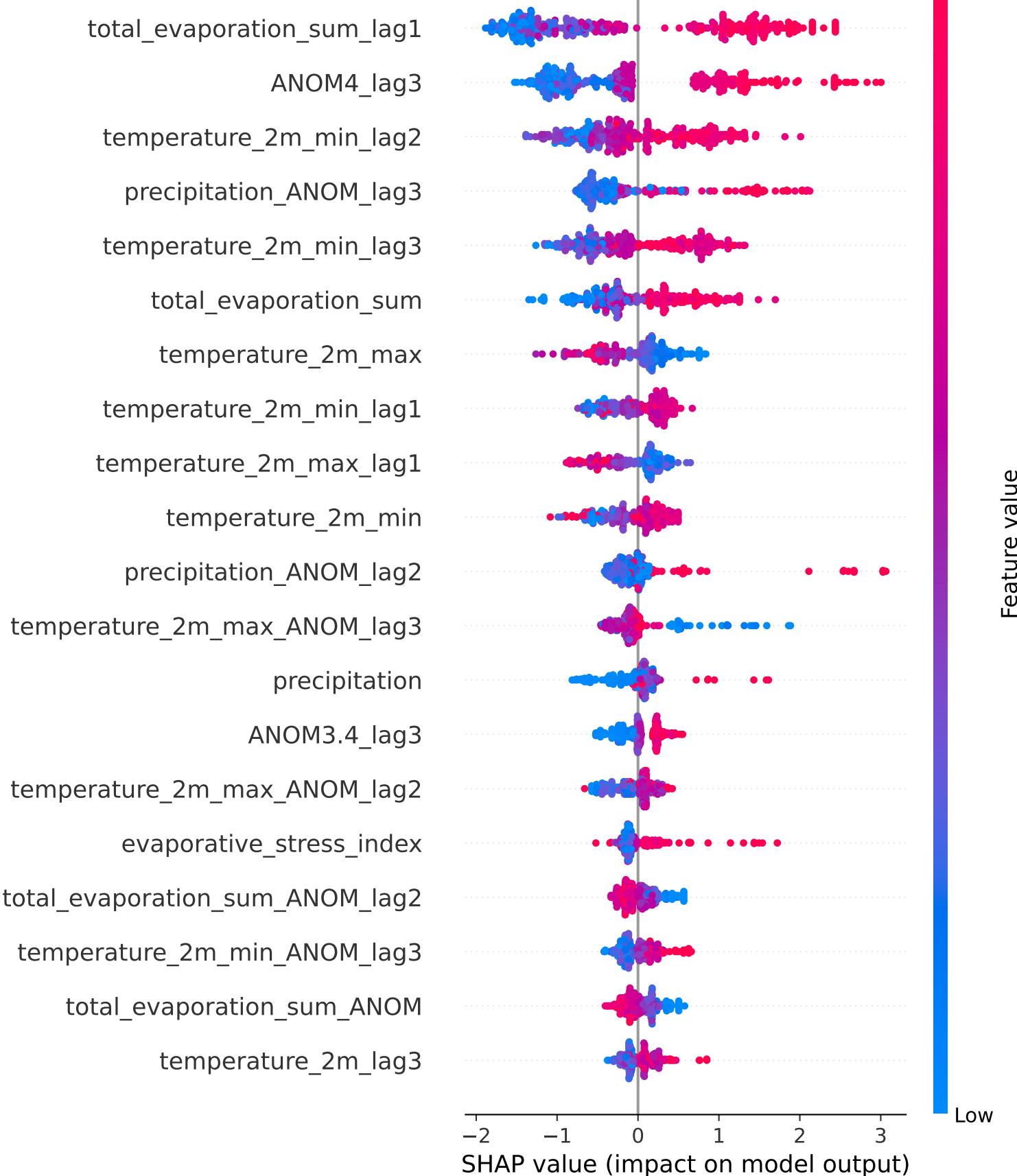
Nusa Tenggara - Train/Val | RMSE: 8.62, MAE: 4.16

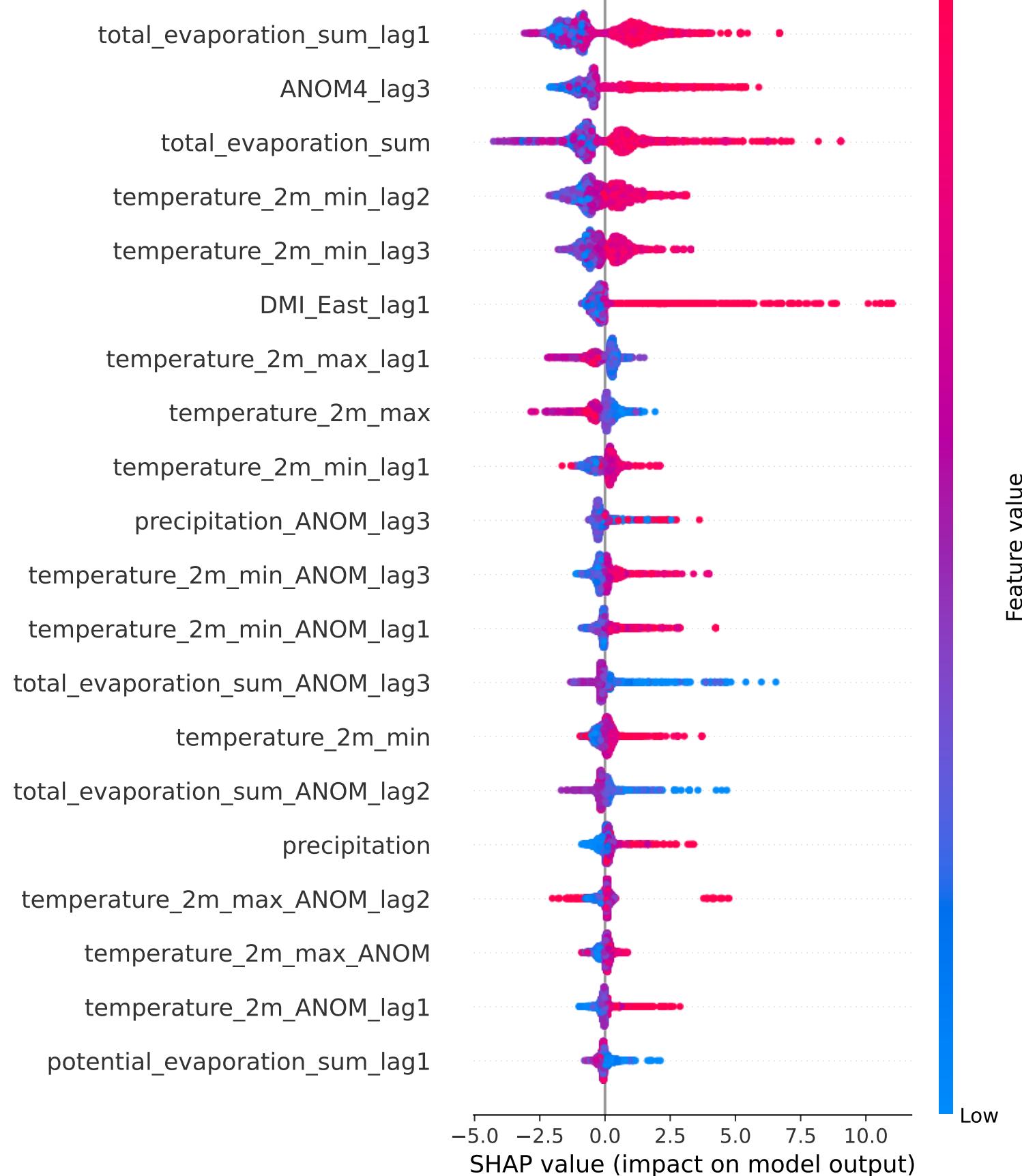
High



Nusa Tenggara - Test | RMSE: 26.14, MAE: 11.28

High





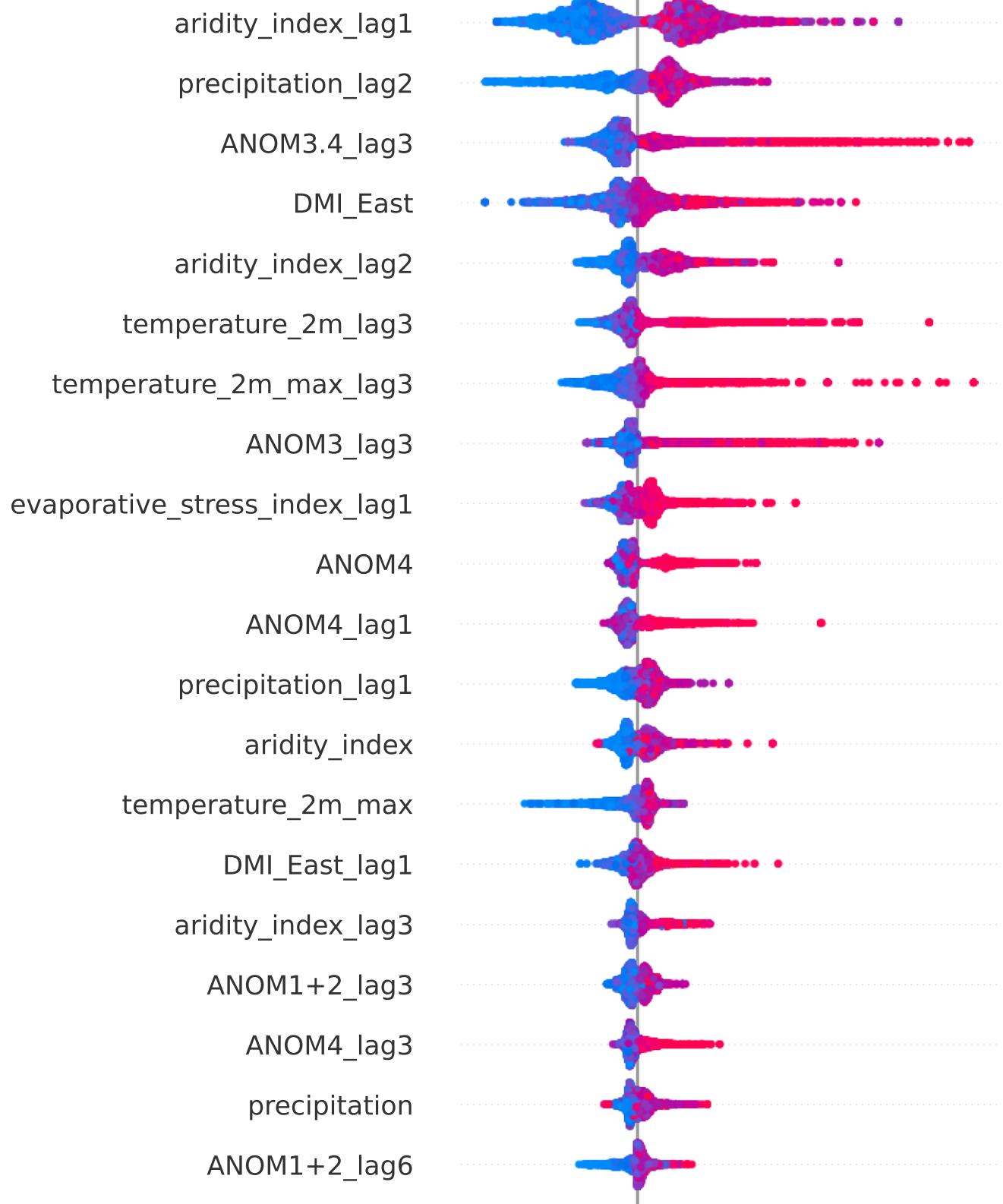
Java - Train/Val | RMSE: 4.03, MAE: 2.35

High

Feature value

Low

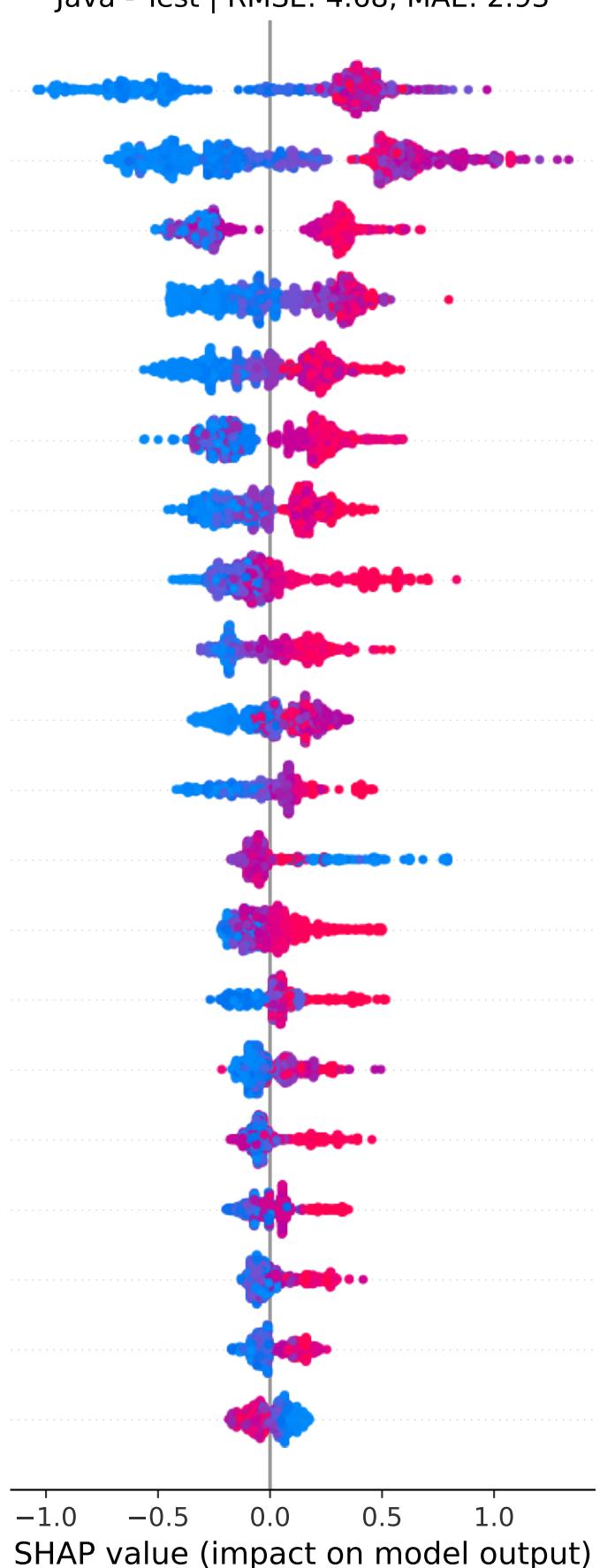
SHAP value (impact on model output)



High

Feature value

Low



Java - Full | RMSE: 4.09, MAE: 2.39

High

aridity_index_lag1

precipitation_lag2

ANOM3.4_lag3

DMI_East

aridity_index_lag2

temperature_2m_lag3

ANOM4

temperature_2m_max_lag3

ANOM3_lag3

evaporative_stress_index_lag1

ANOM4_lag1

precipitation_lag1

aridity_index

temperature_2m_max

DMI_East_lag1

ANOM1+2_lag6

aridity_index_lag3

precipitation

temperature_2m_max_lag2

ANOM1+2_lag3

Feature value

Low

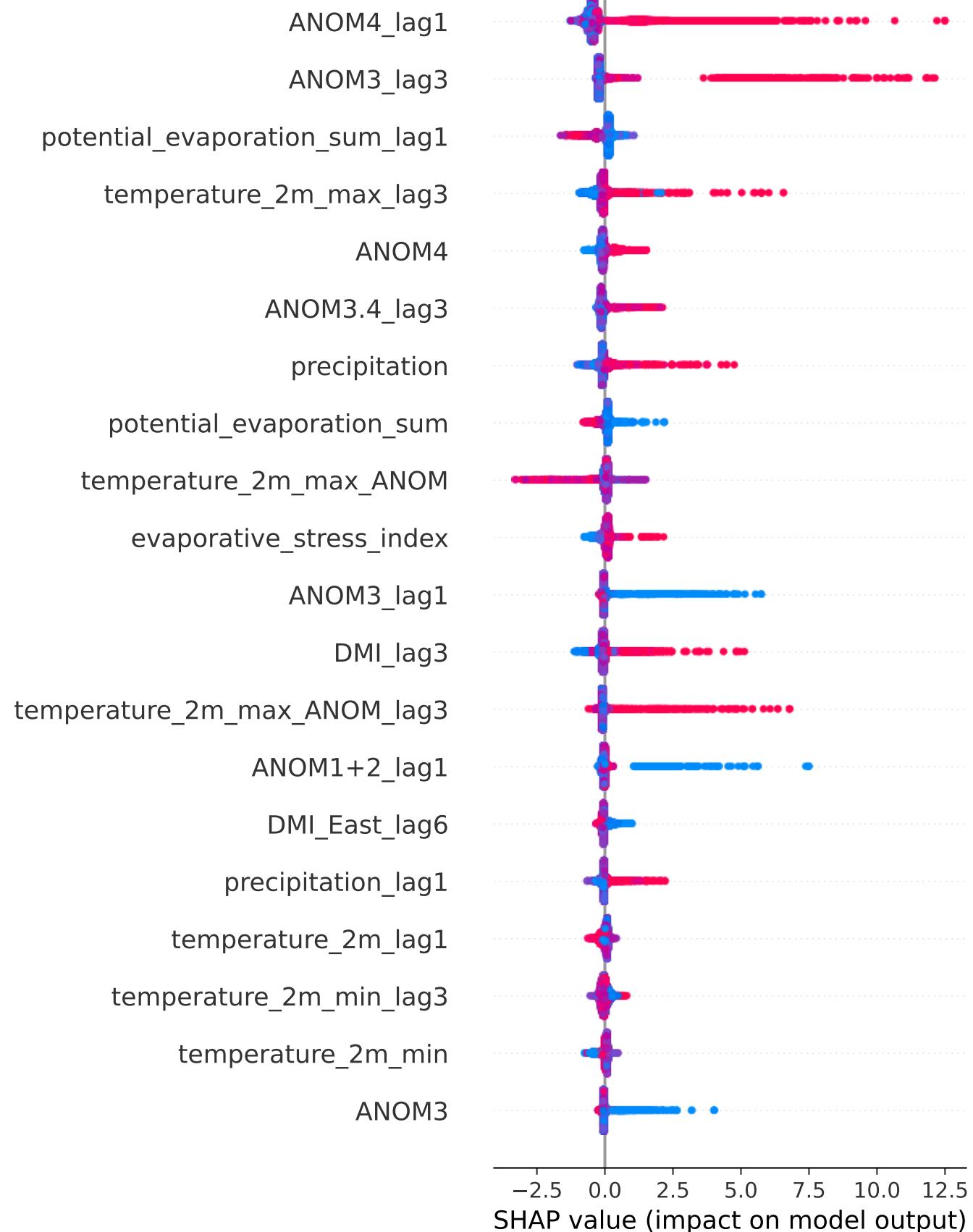
SHAP value (impact on model output)

High

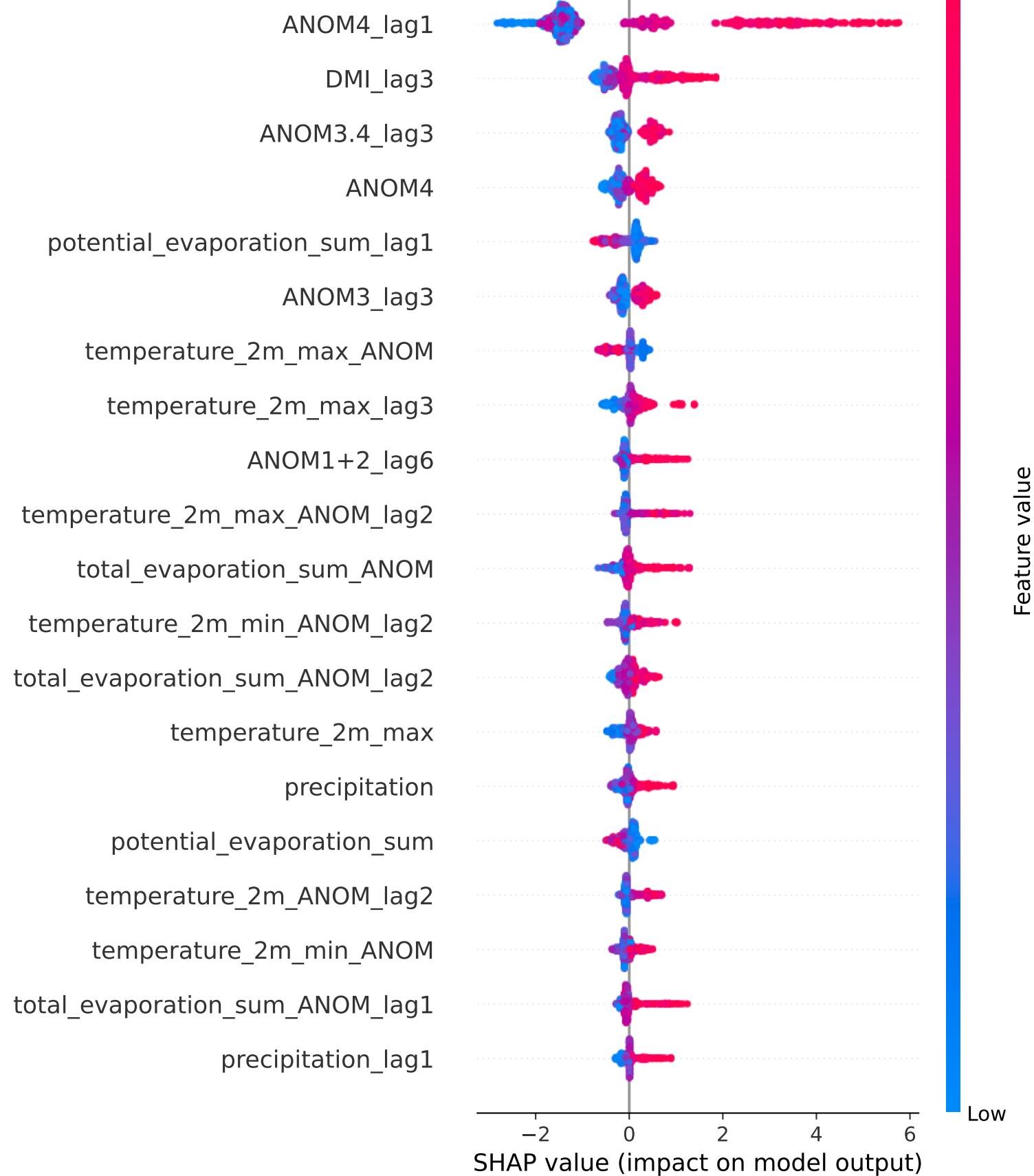
Feature value

Low

SHAP value (impact on model output)



High

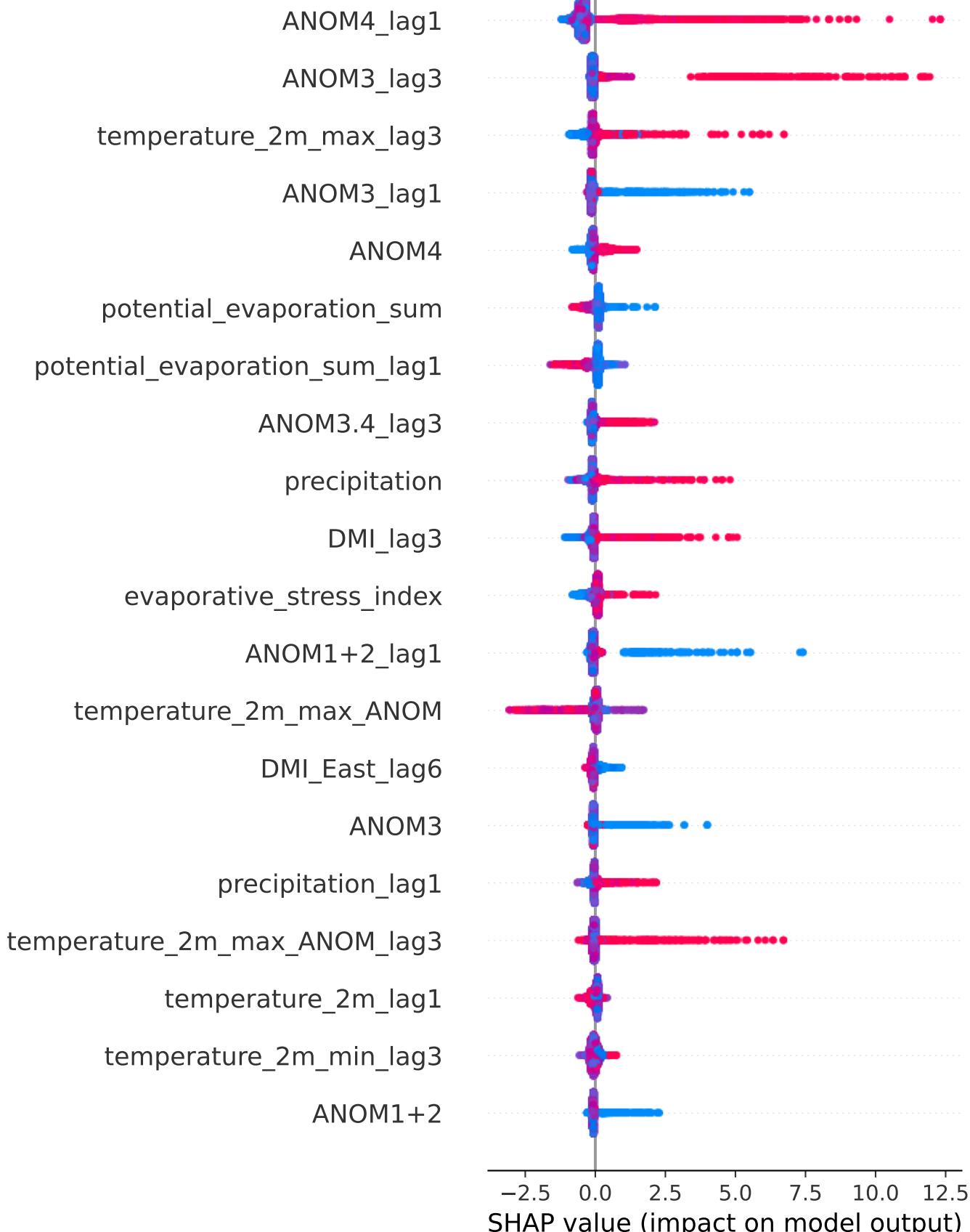


High

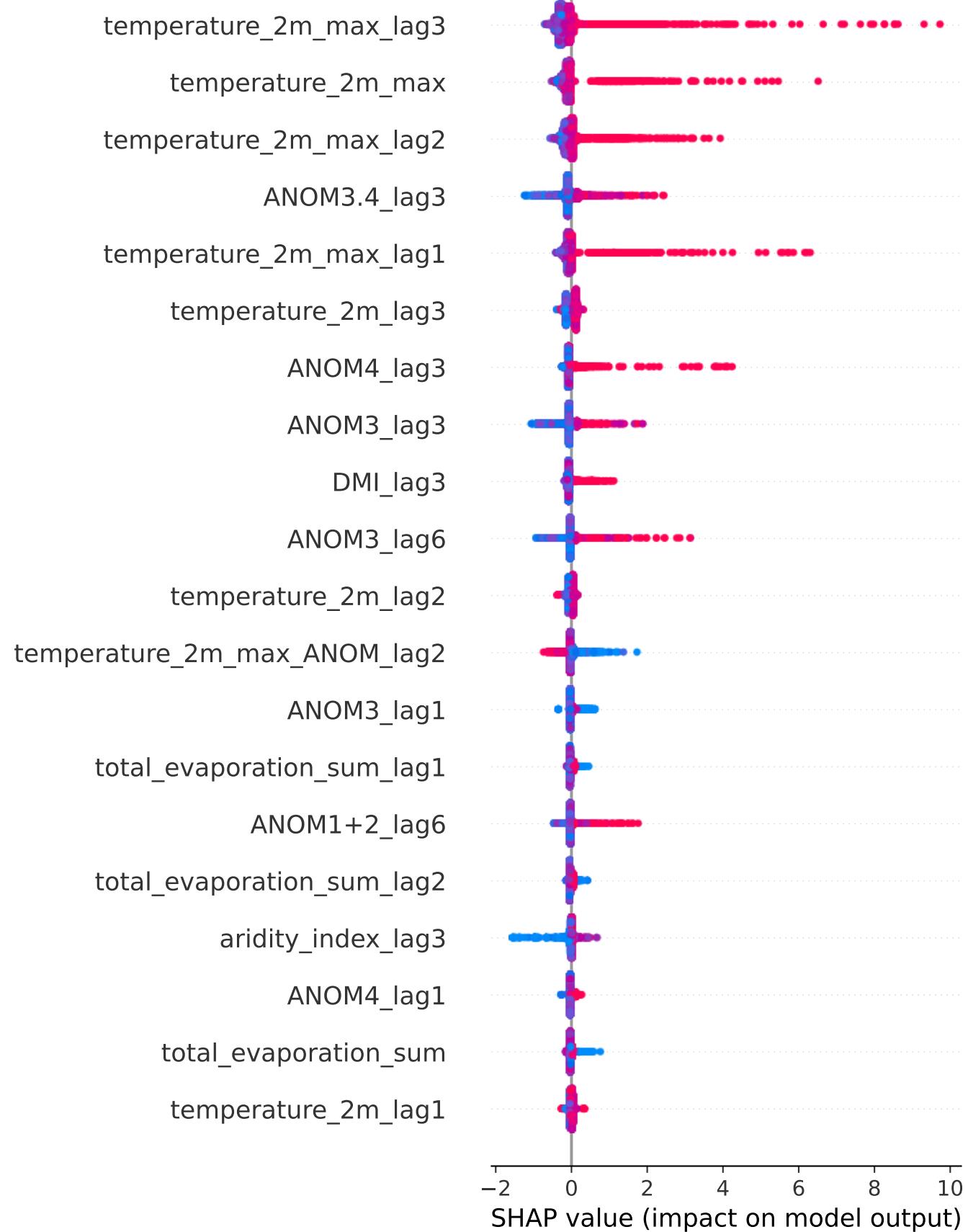
Feature value

Low

SHAP value (impact on model output)



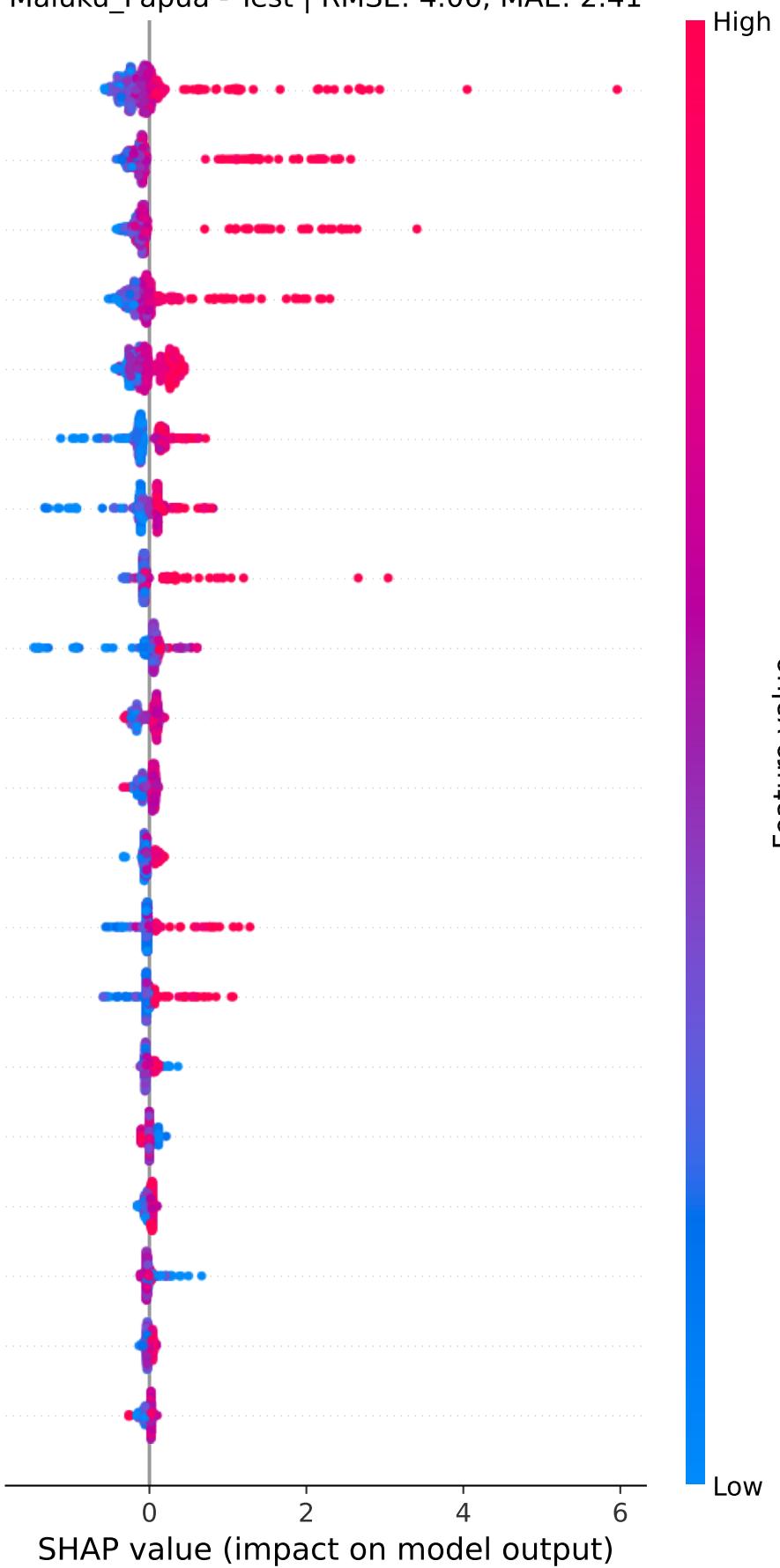
SHAP value (impact on model output)



Maluku_Papua - Test | RMSE: 4.06, MAE: 2.41

High

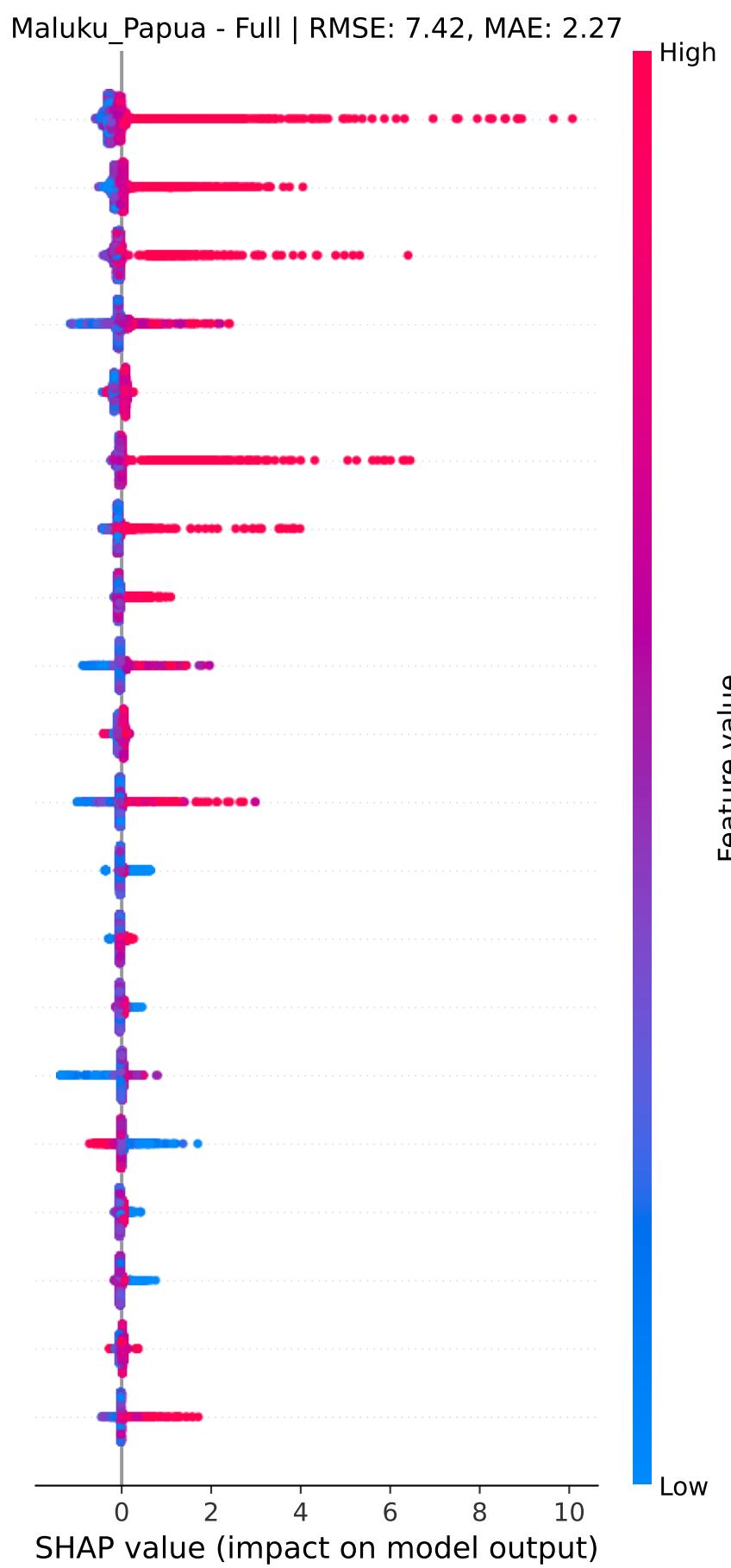
temperature_2m_max_lag3
temperature_2m_max
temperature_2m_max_lag1
temperature_2m_max_lag2
DMI_lag3
ANOM3.4_lag3
ANOM3_lag3
ANOM4_lag3
aridity_index_lag3
temperature_2m_lag3
temperature_2m_lag2
ANOM4_lag1
ANOM3_lag6
ANOM1+2_lag6
total_evaporation_sum_lag1
temperature_2m_ANOM_lag1
ANOM3_lag1
total_evaporation_sum
total_evaporation_sum_lag2
temperature_2m_lag1

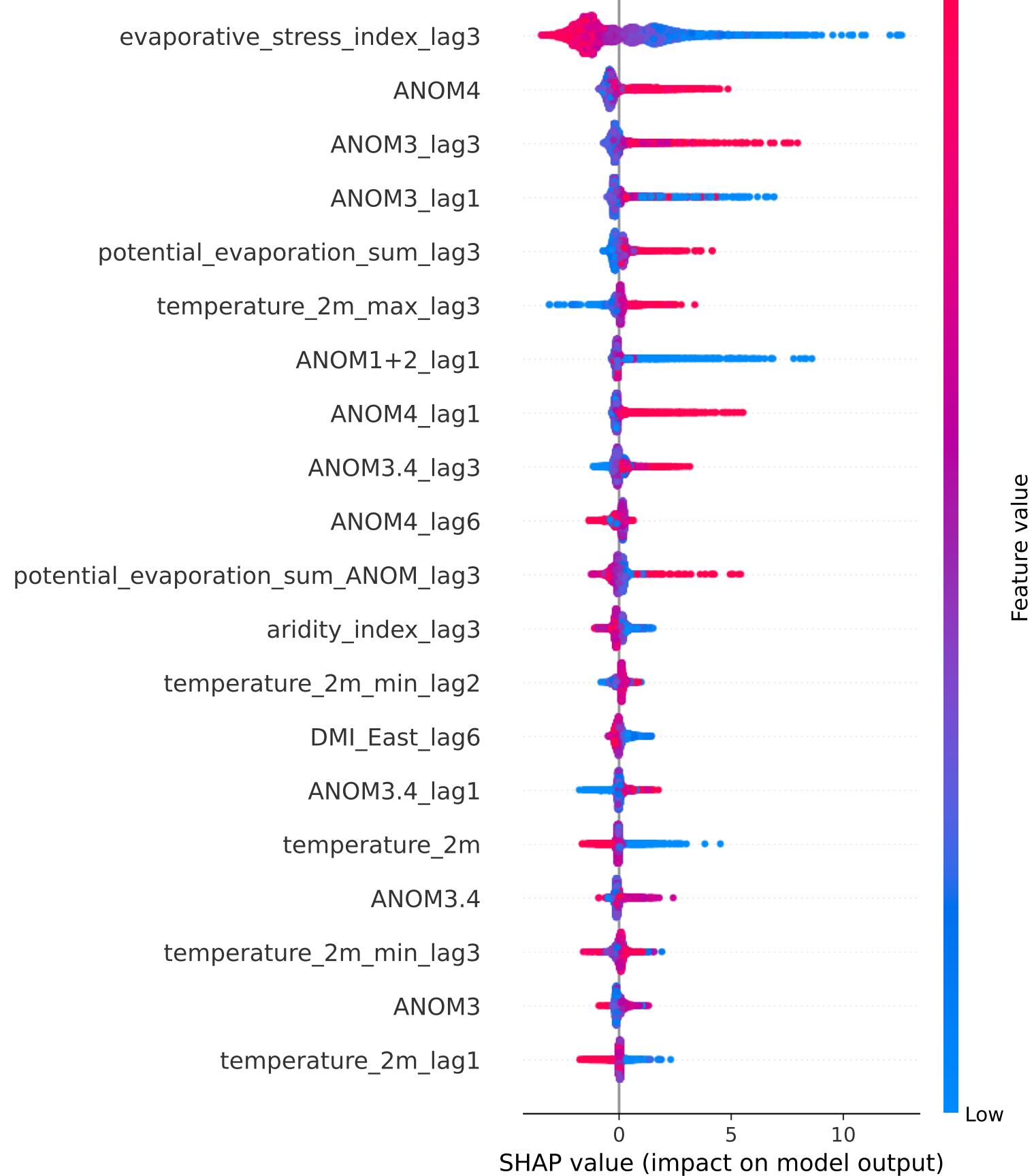


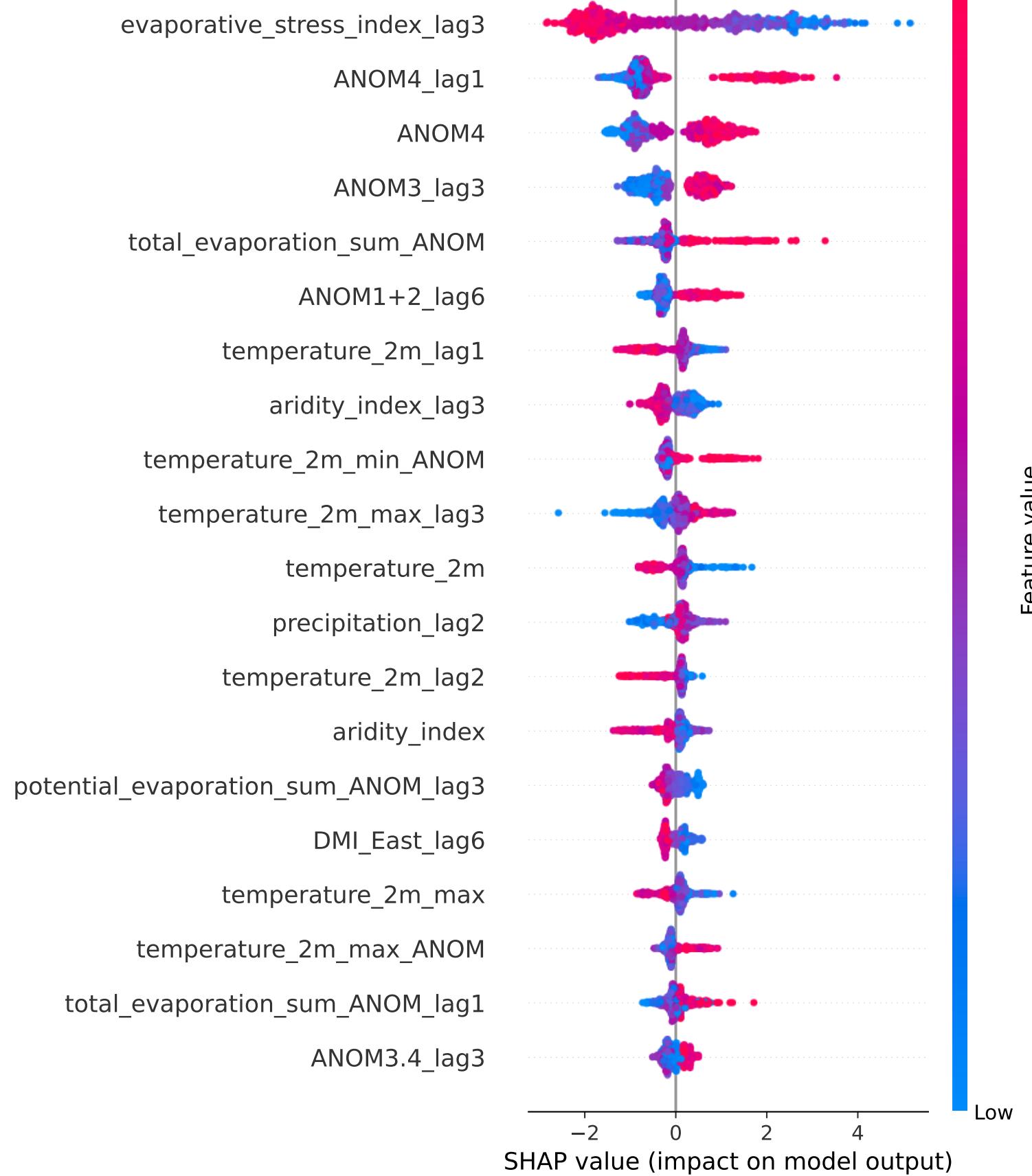
Feature value

Low

SHAP value (impact on model output)







Kalimantan - Full | RMSE: 5.65, MAE: 3.29

High

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

Feature value

SHAP value (impact on model output)

0

10

Low