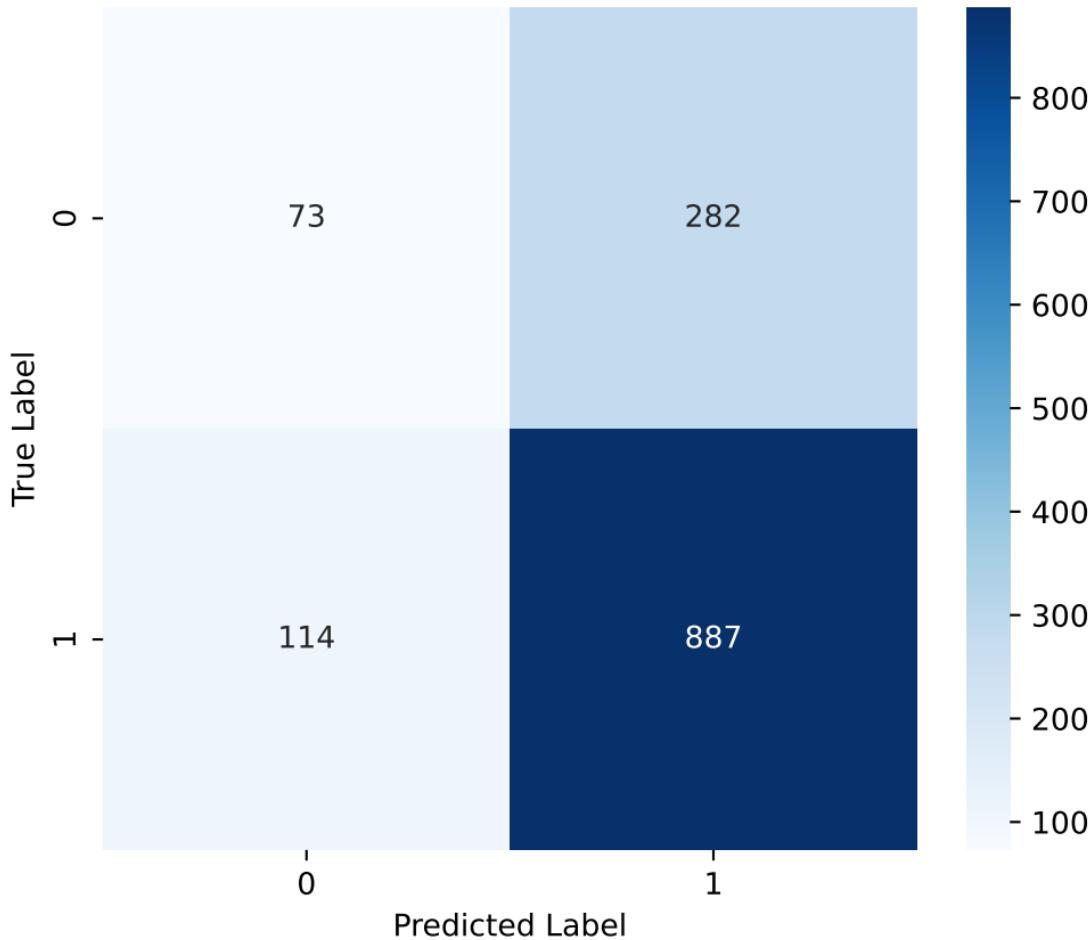


Confusion Matrix - Sumatra



SHAP Beeswarm Plot for Class 0 - Sumatra

High

Feature value

Low

ANOM4

temperature_2m_max_lag3

temperature_2m_lag3

temperature_2m_min_lag3

temperature_2m_max

temperature_2m_lag2

evaporative_stress_index_lag1

evaporative_stress_index

ANOM4_lag1

temperature_2m_min_ANOM_lag1

temperature_2m_lag1

total_evaporation_sum_lag3

temperature_2m

total_evaporation_sum

temperature_2m_max_lag2

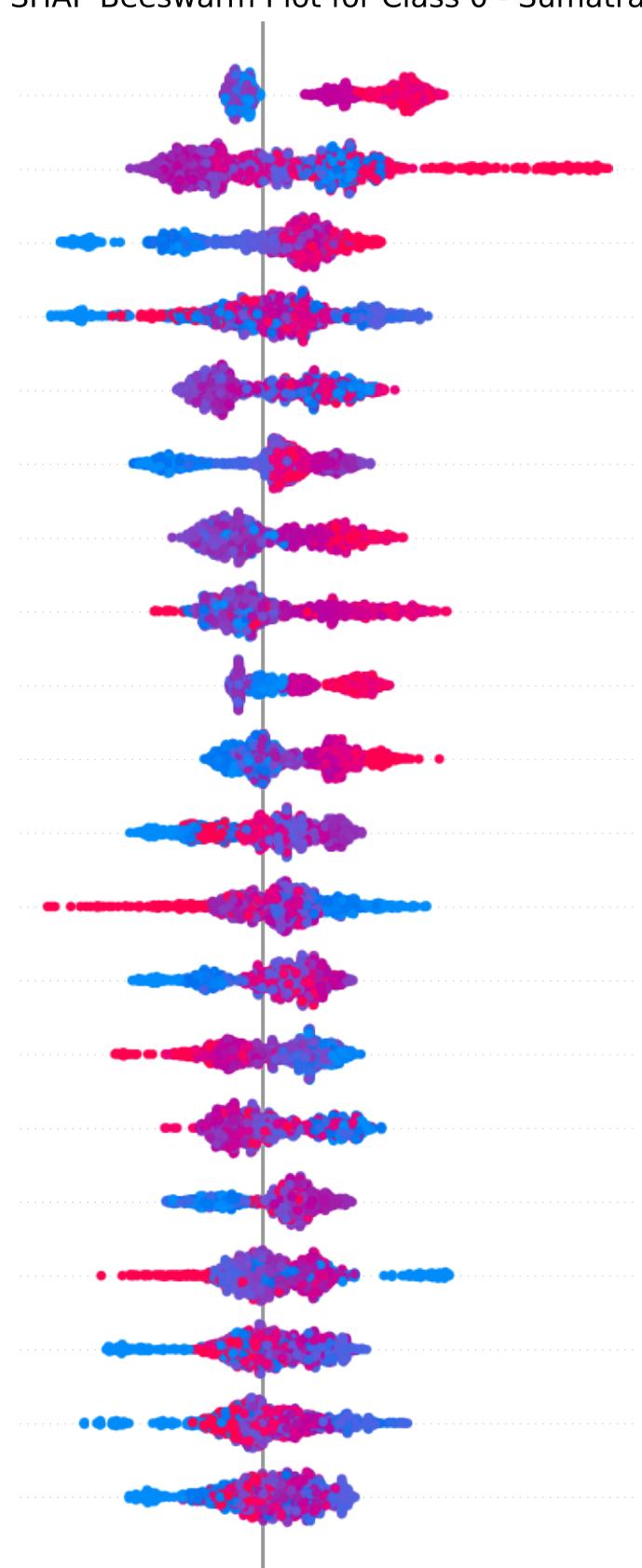
precipitation_ANOM_lag3

evaporative_stress_index_lag3

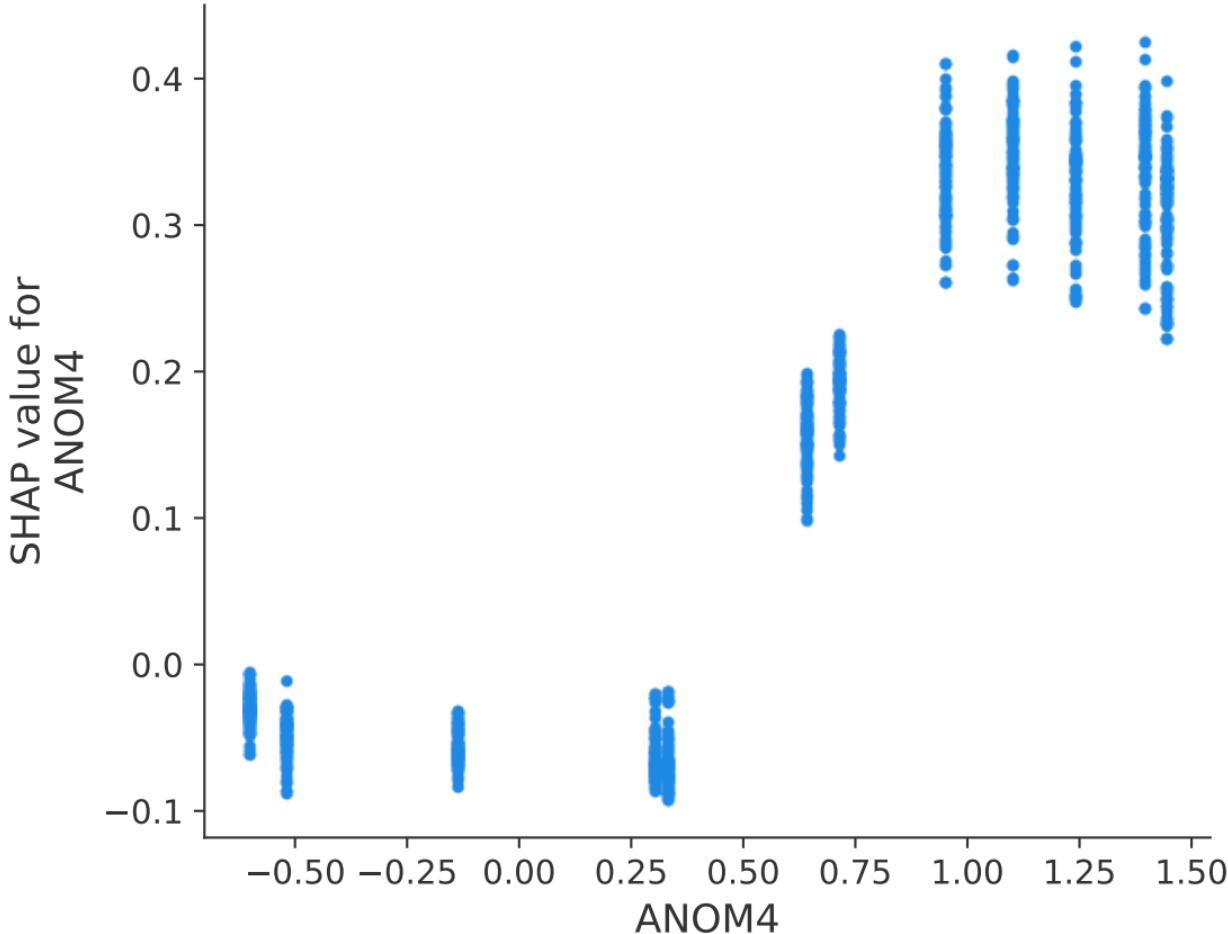
temperature_2m_min_lag1

temperature_2m_min

temperature_2m_min_lag2

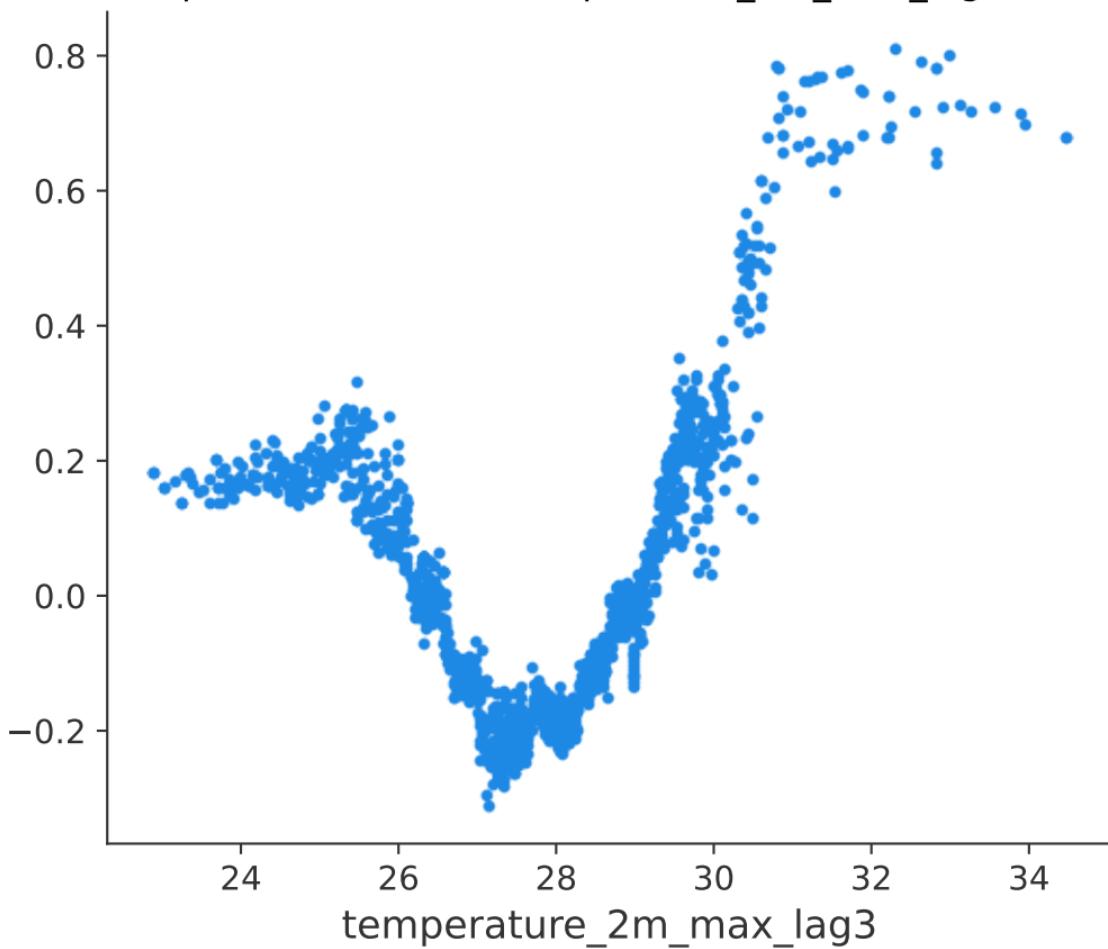
-0.50 -0.25 0.00 0.25 0.50 0.75
SHAP value (impact on model output)

SHAP Dependence Plot for ANOM4 - Sumatra

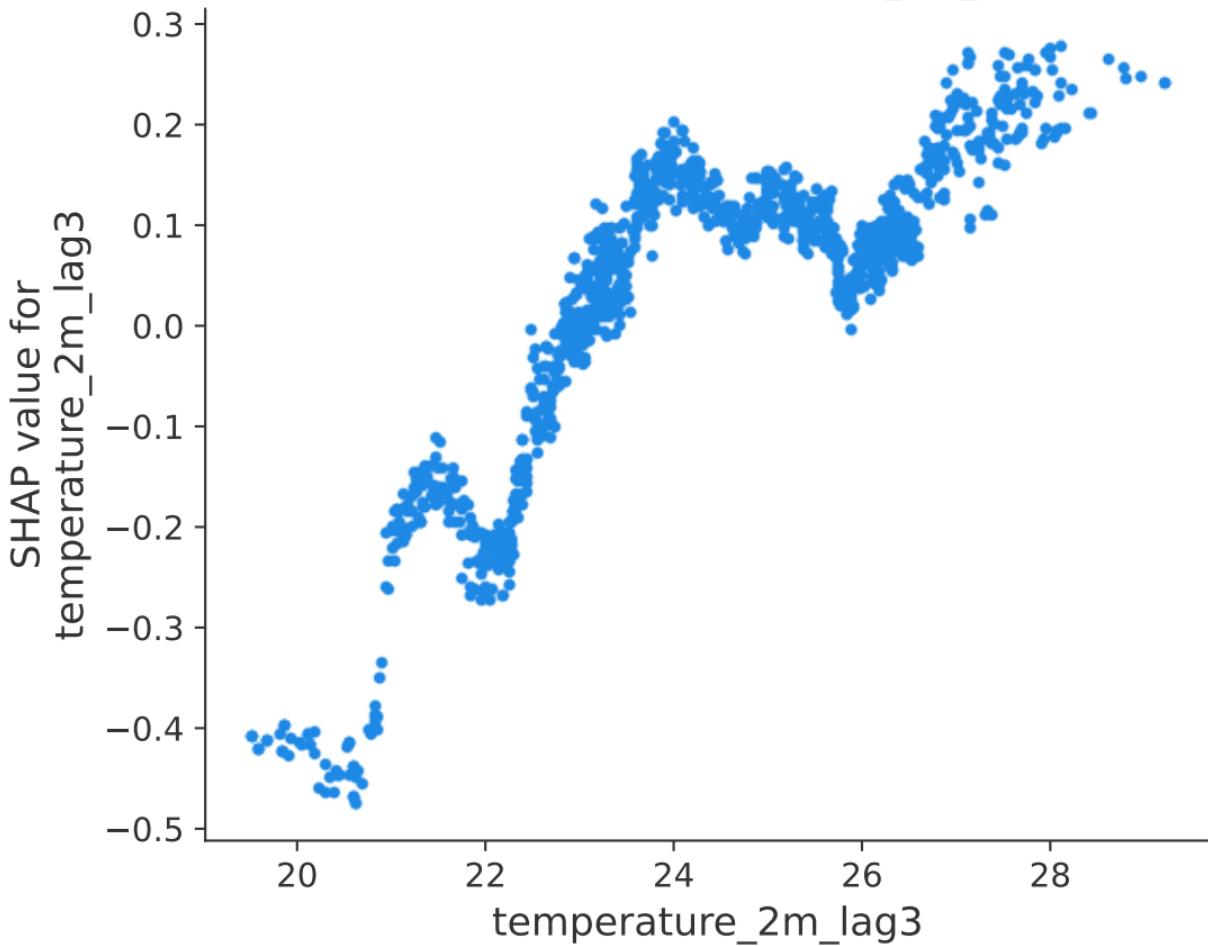


SHAP Dependence Plot for temperature_2m_max_lag3 - Sumatra

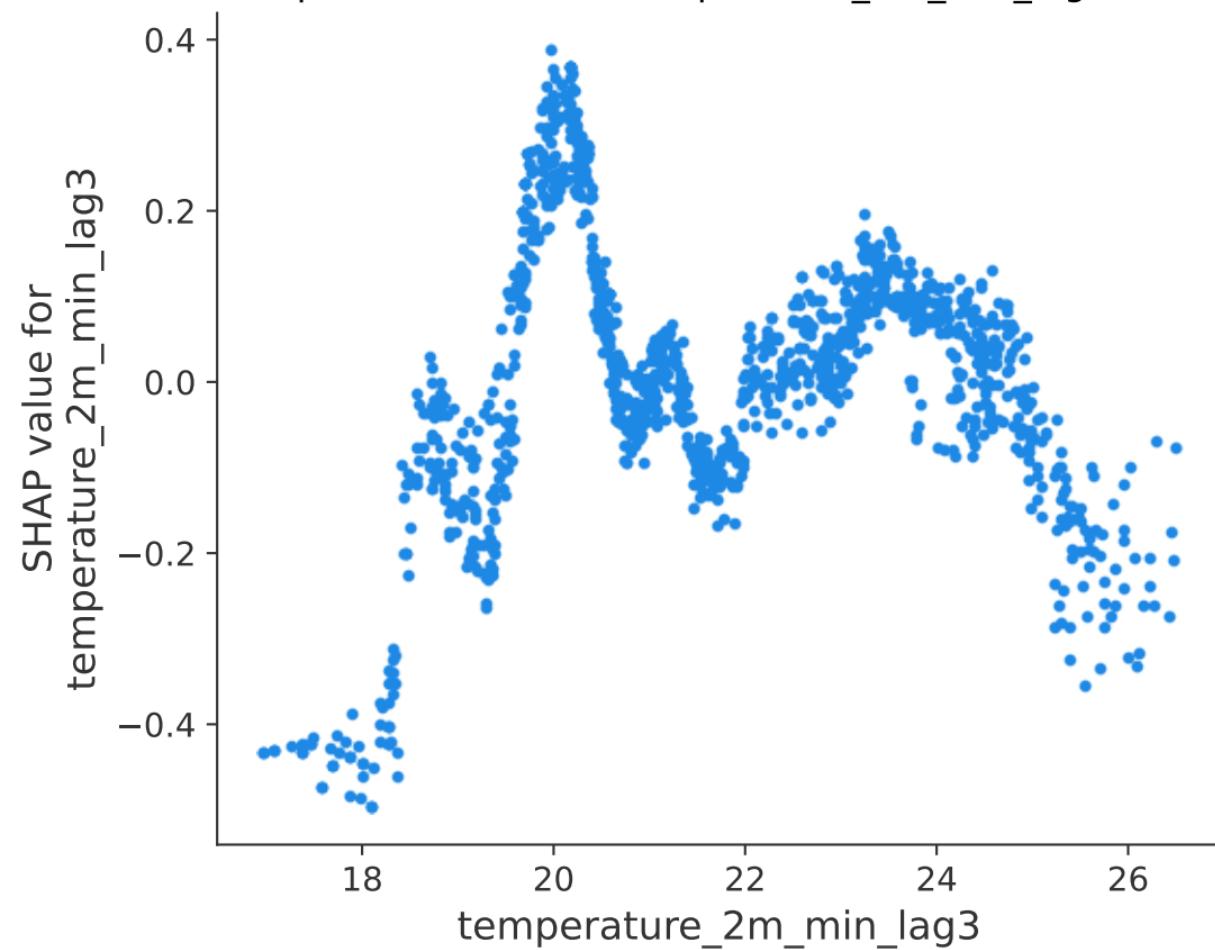
SHAP value for
temperature_2m_max_lag3



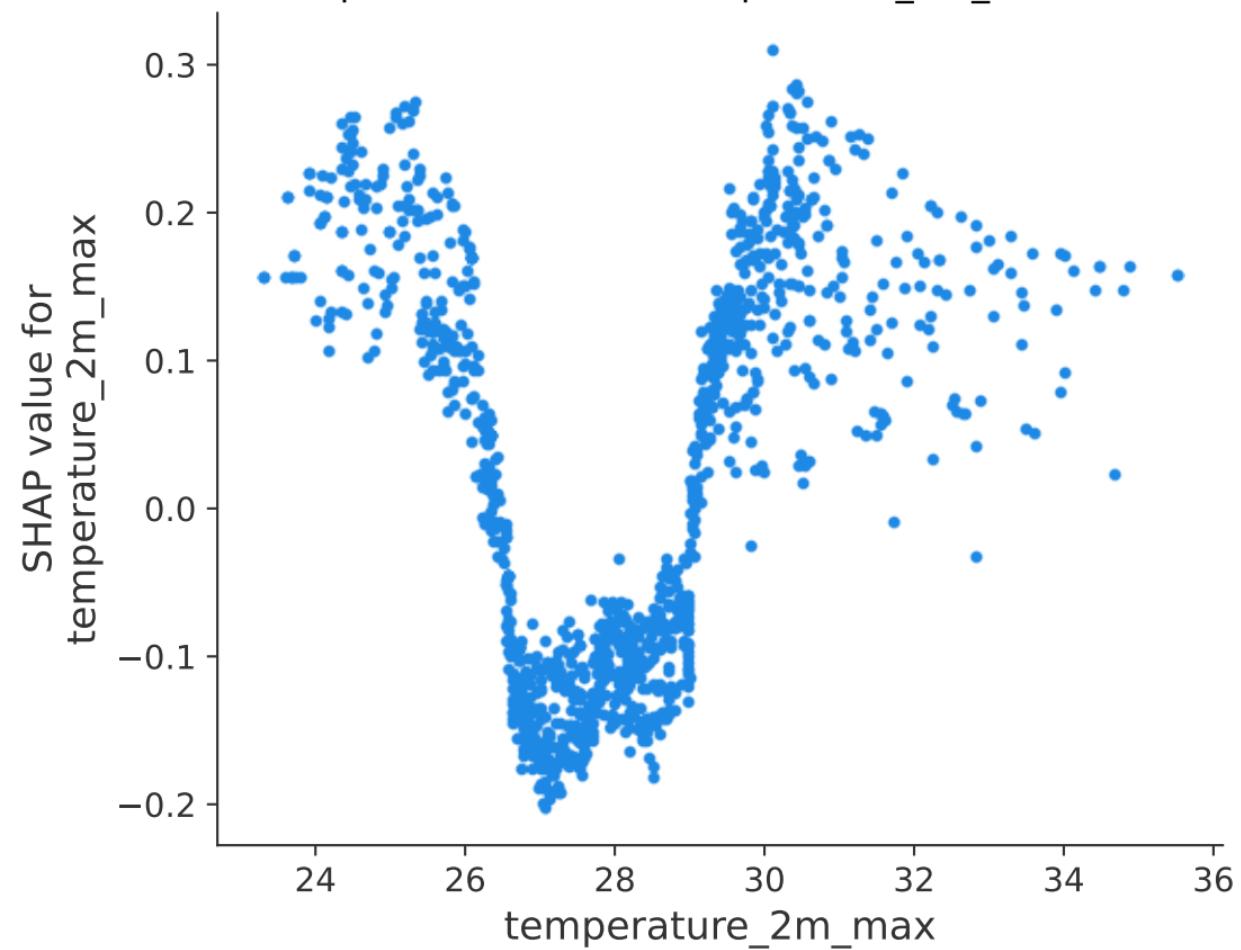
SHAP Dependence Plot for temperature_2m_lag3 - Sumatra



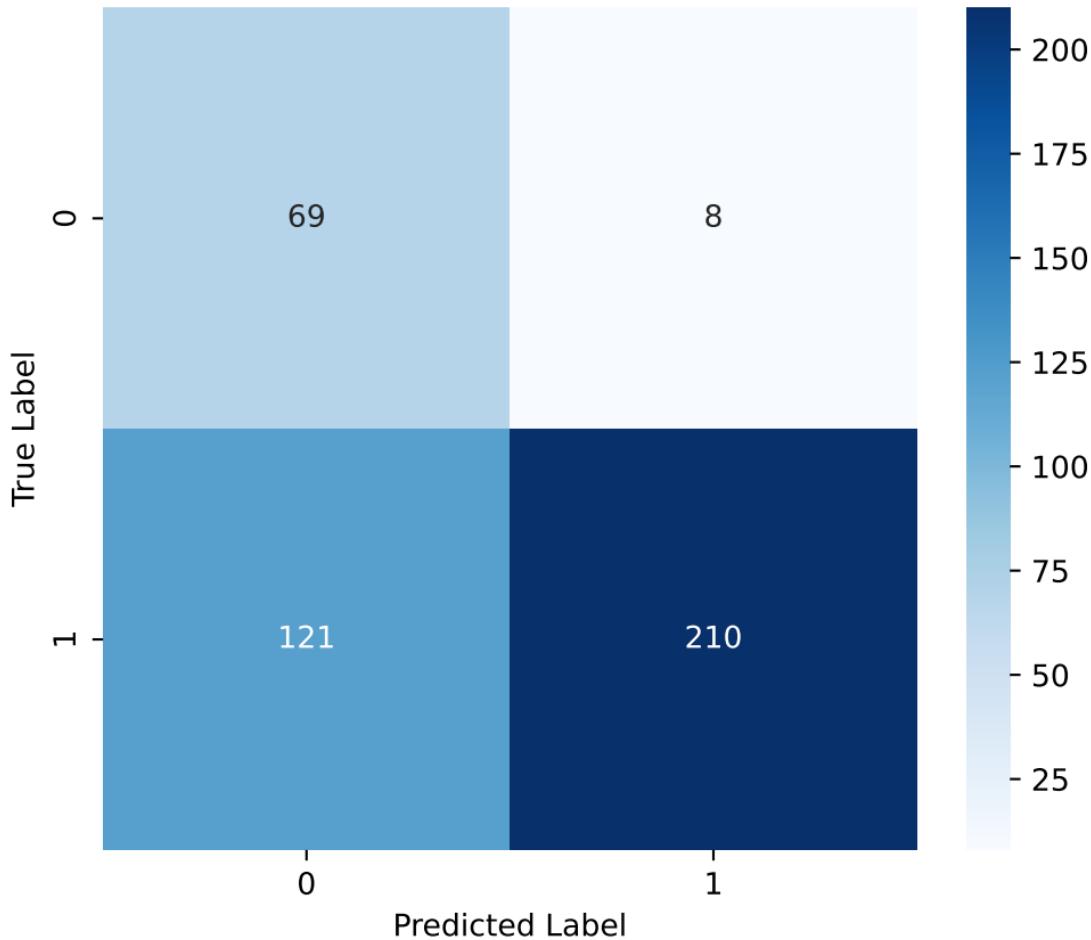
SHAP Dependence Plot for temperature_2m_min_lag3 - Sumatra



SHAP Dependence Plot for temperature_2m_max - Sumatra

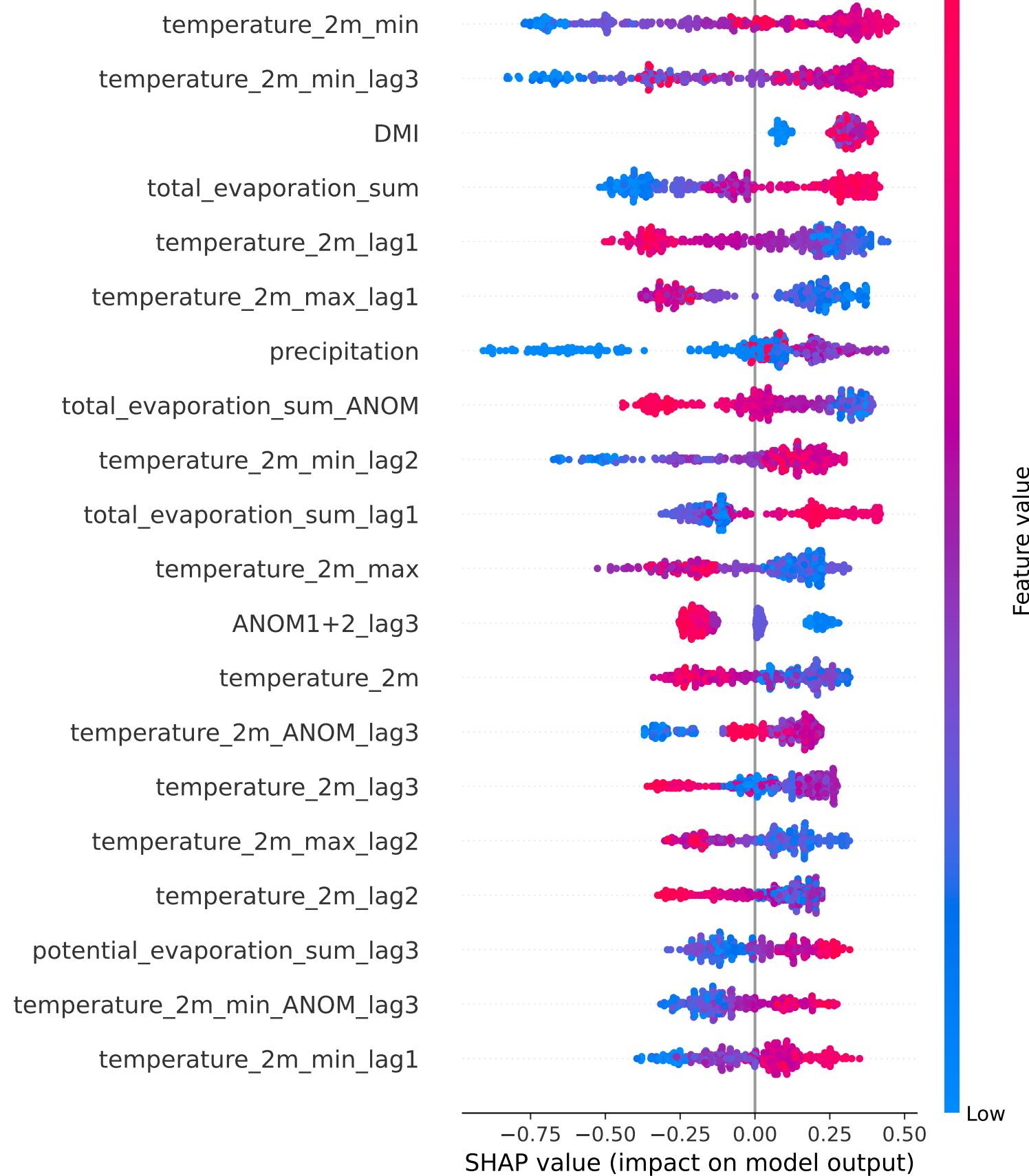


Confusion Matrix - Nusa Tenggara

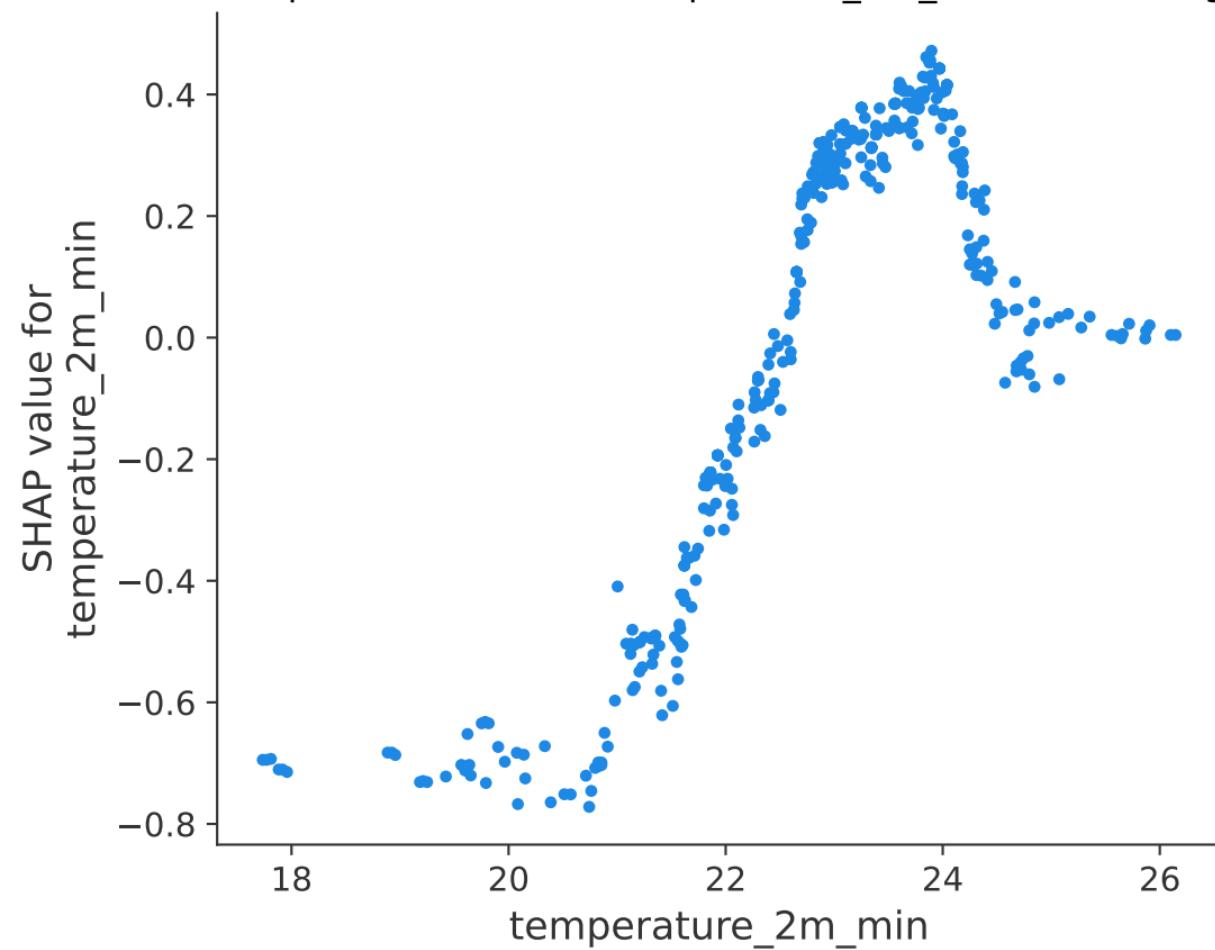


SHAP Beeswarm Plot for Class 0 - Nusa Tenggara

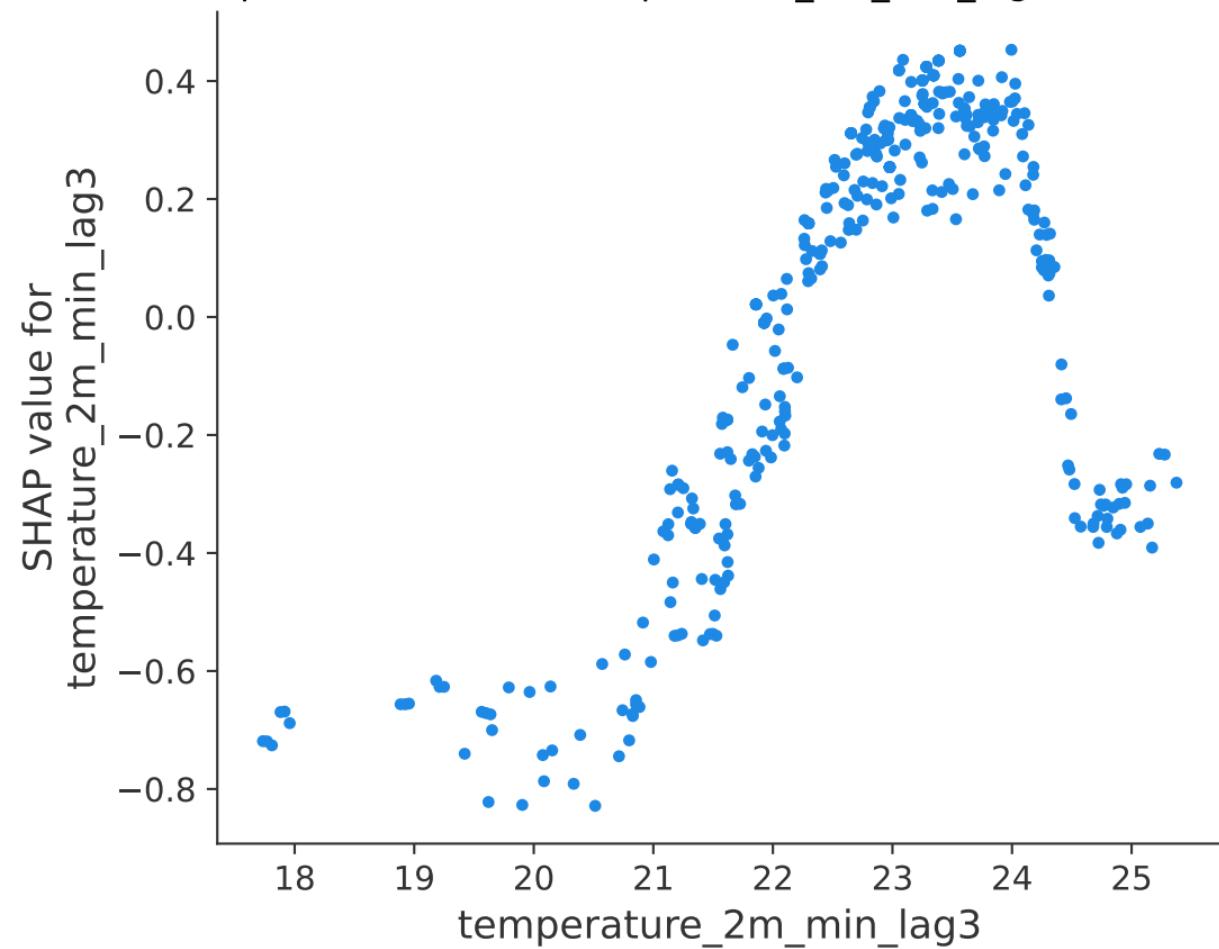
High



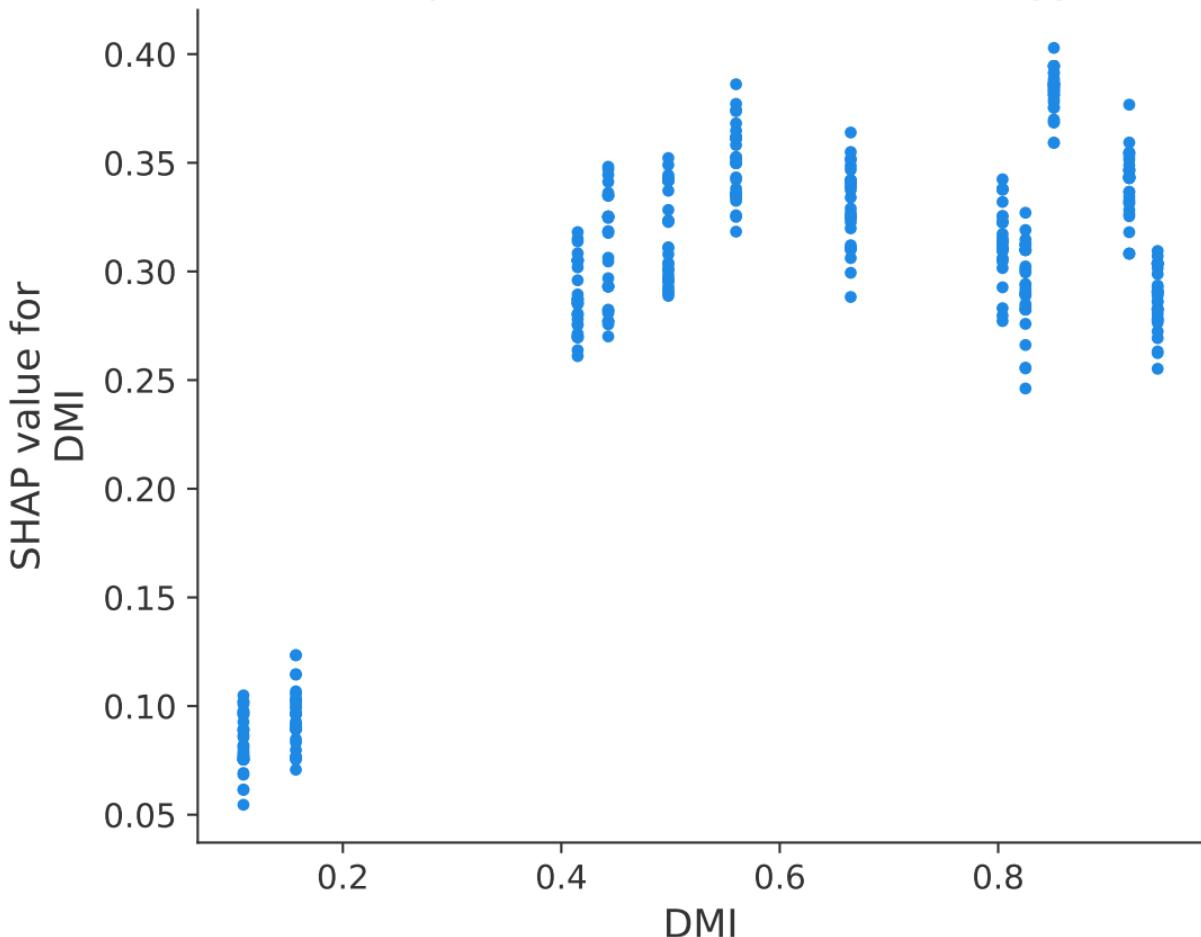
SHAP Dependence Plot for temperature_2m_min - Nusa Tenggara



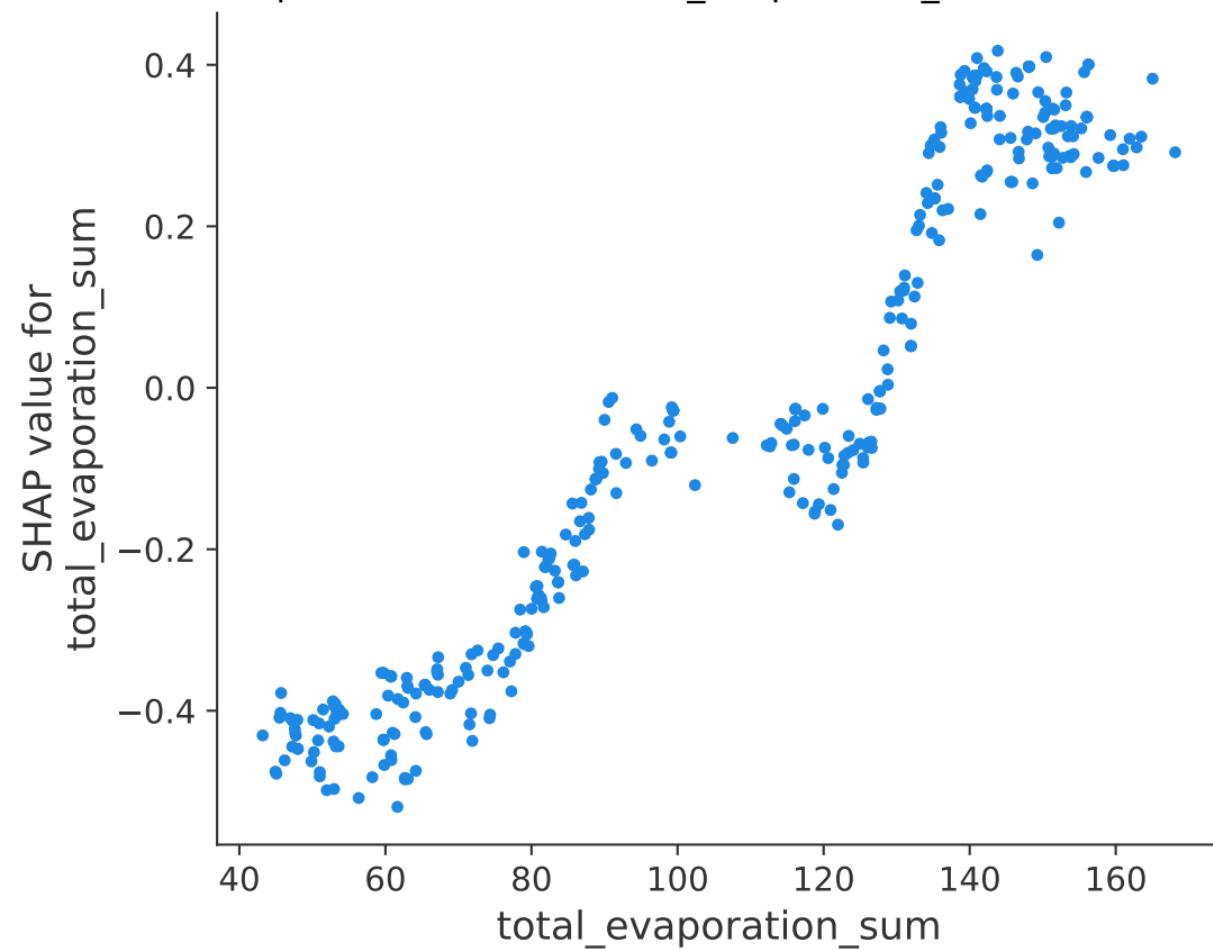
SHAP Dependence Plot for temperature_2m_min_lag3 - Nusa Tenggara



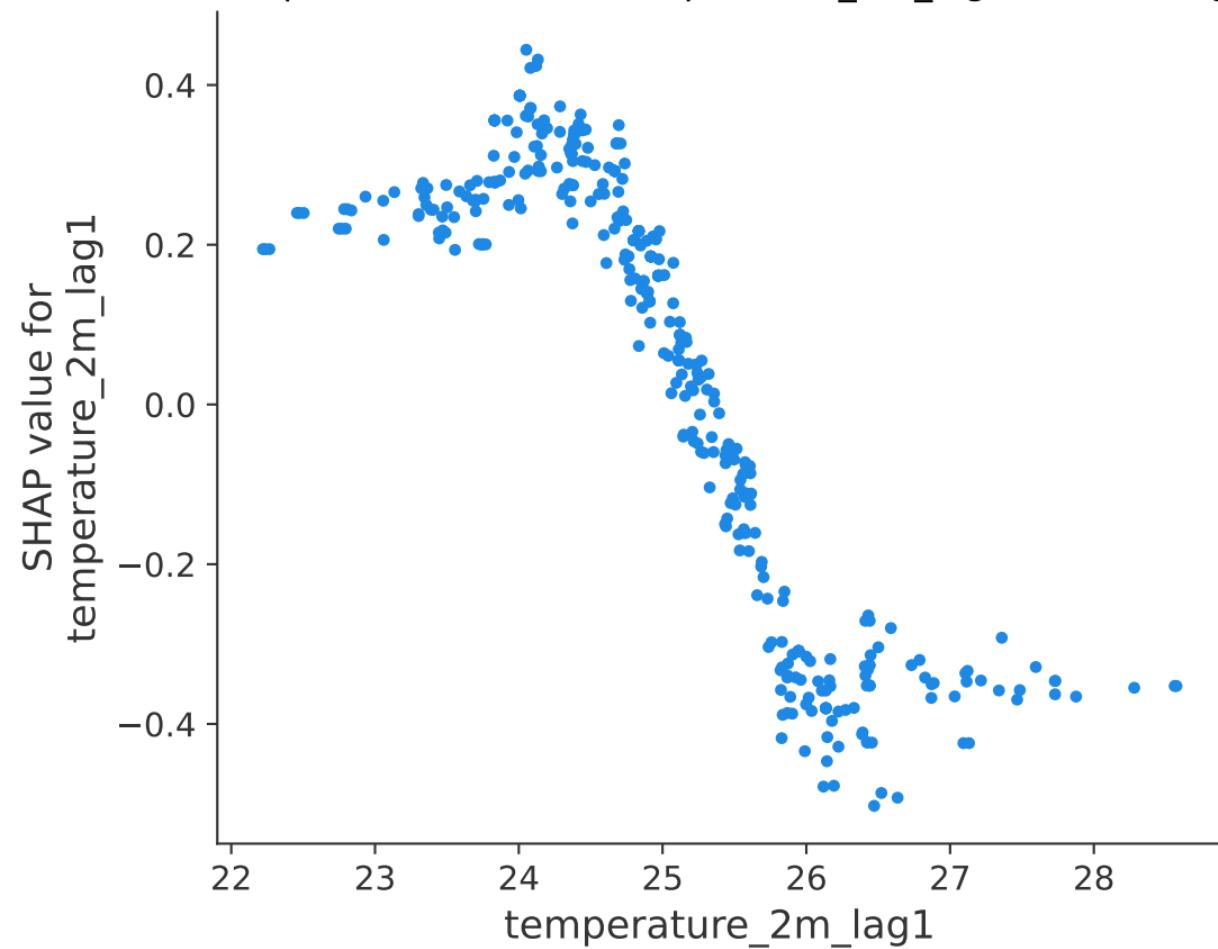
SHAP Dependence Plot for DMI - Nusa Tenggara



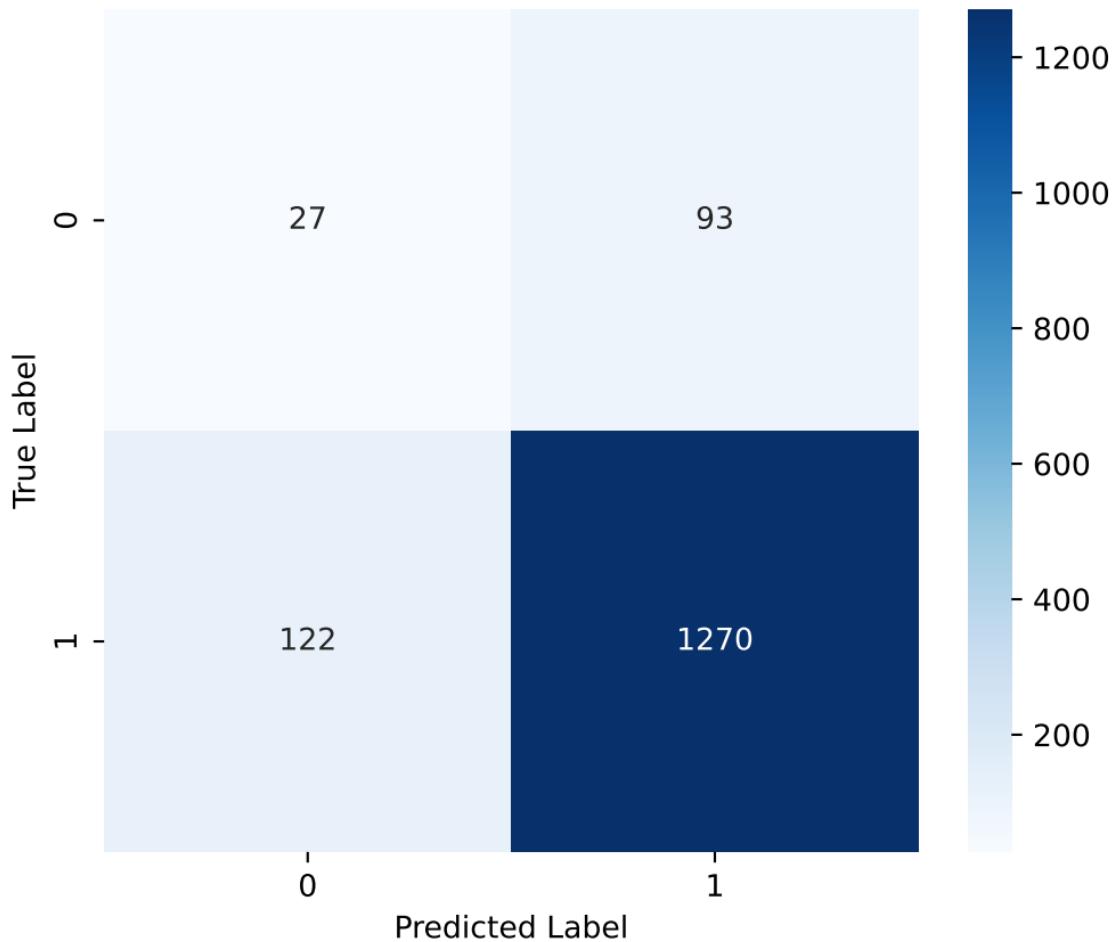
SHAP Dependence Plot for total_evaporation_sum - Nusa Tenggara



SHAP Dependence Plot for temperature_2m_lag1 - Nusa Tenggara



Confusion Matrix - Java

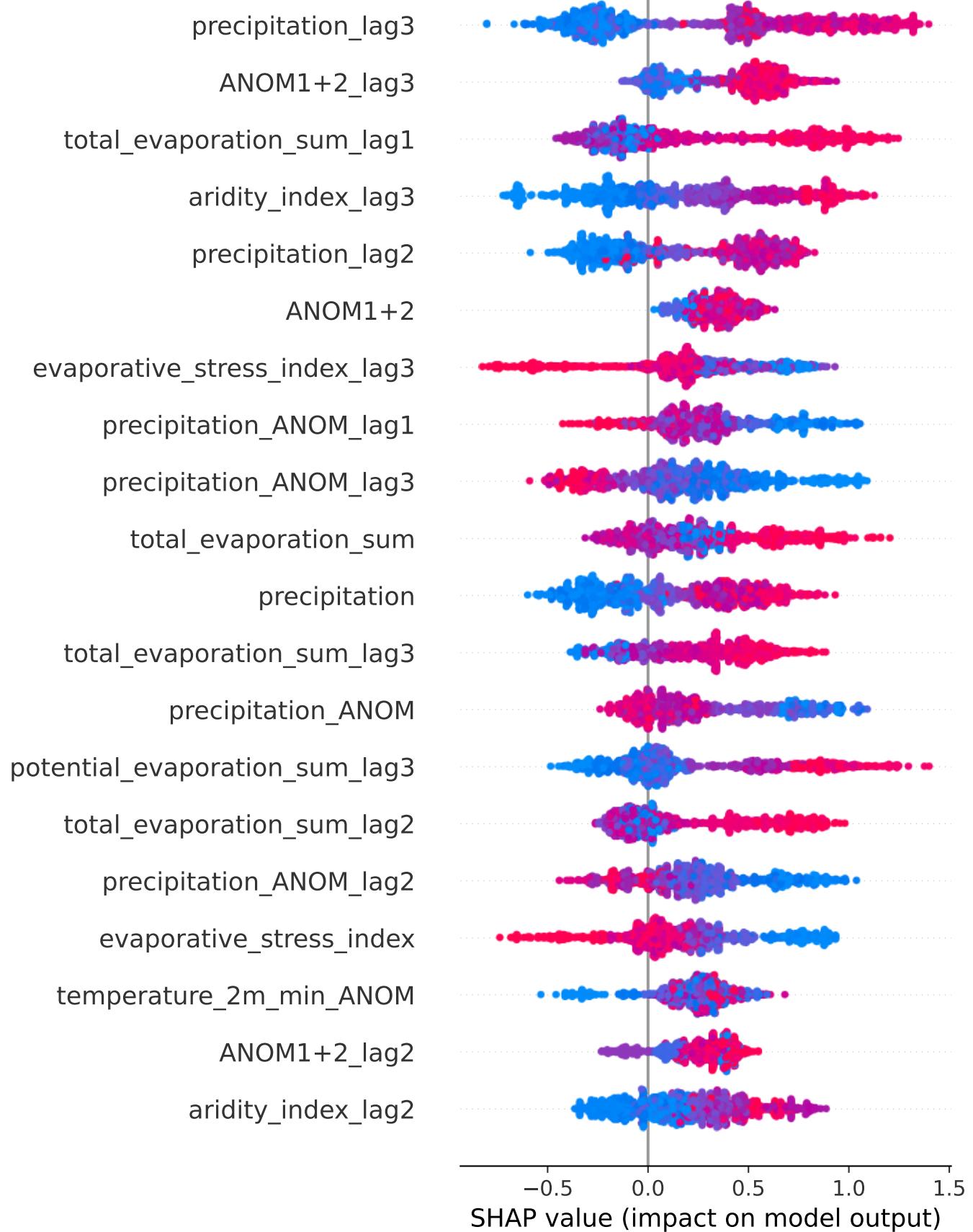


SHAP Beeswarm Plot for Class 0 - Java

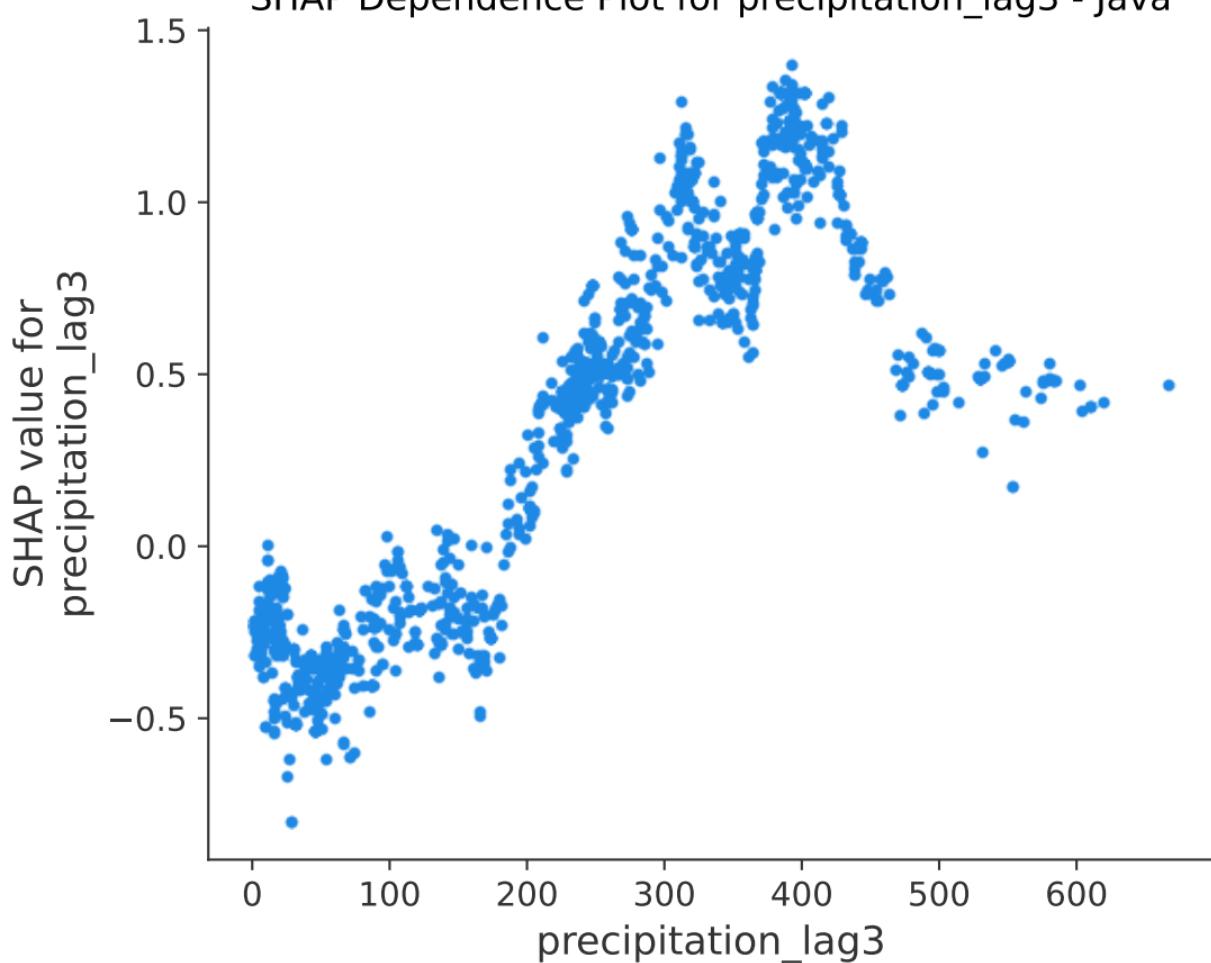
High

Feature value

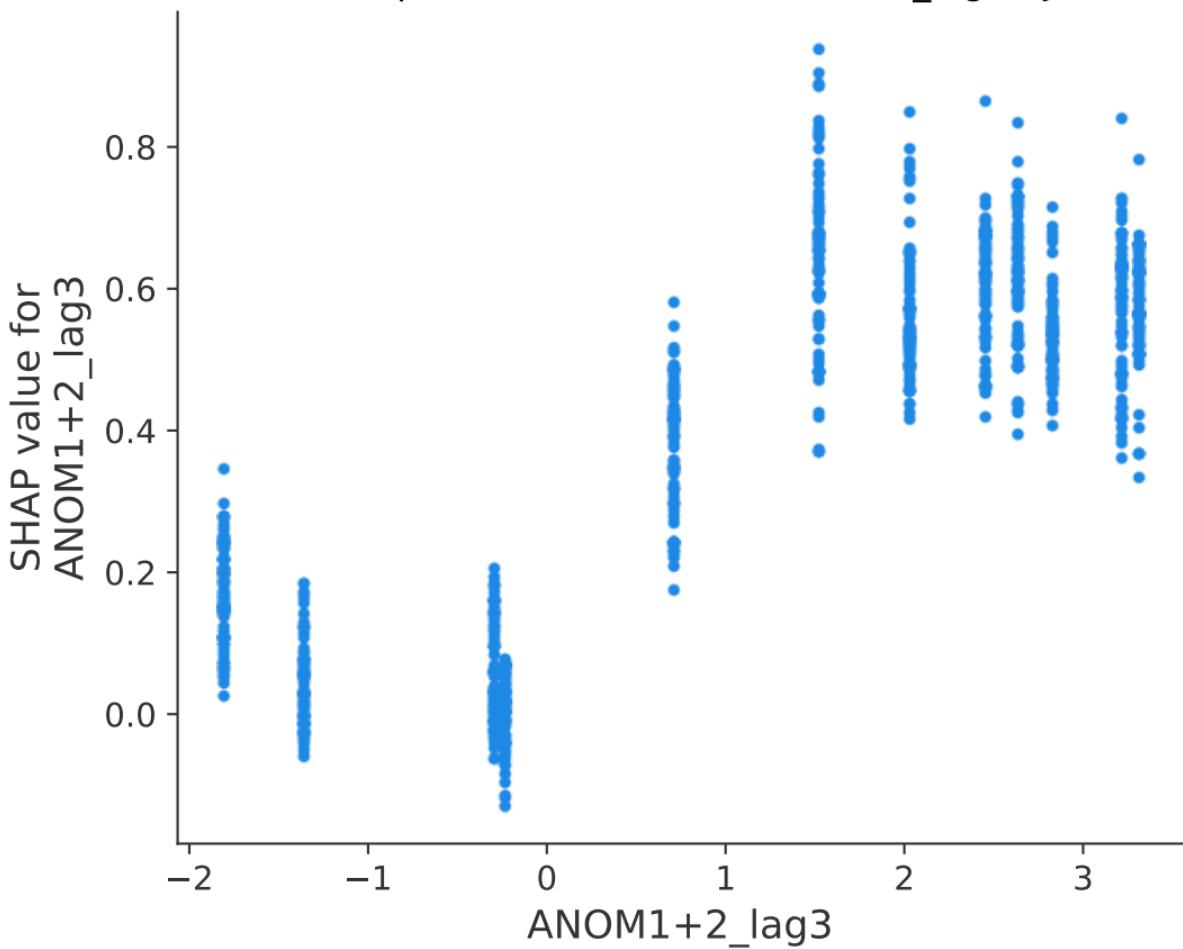
Low



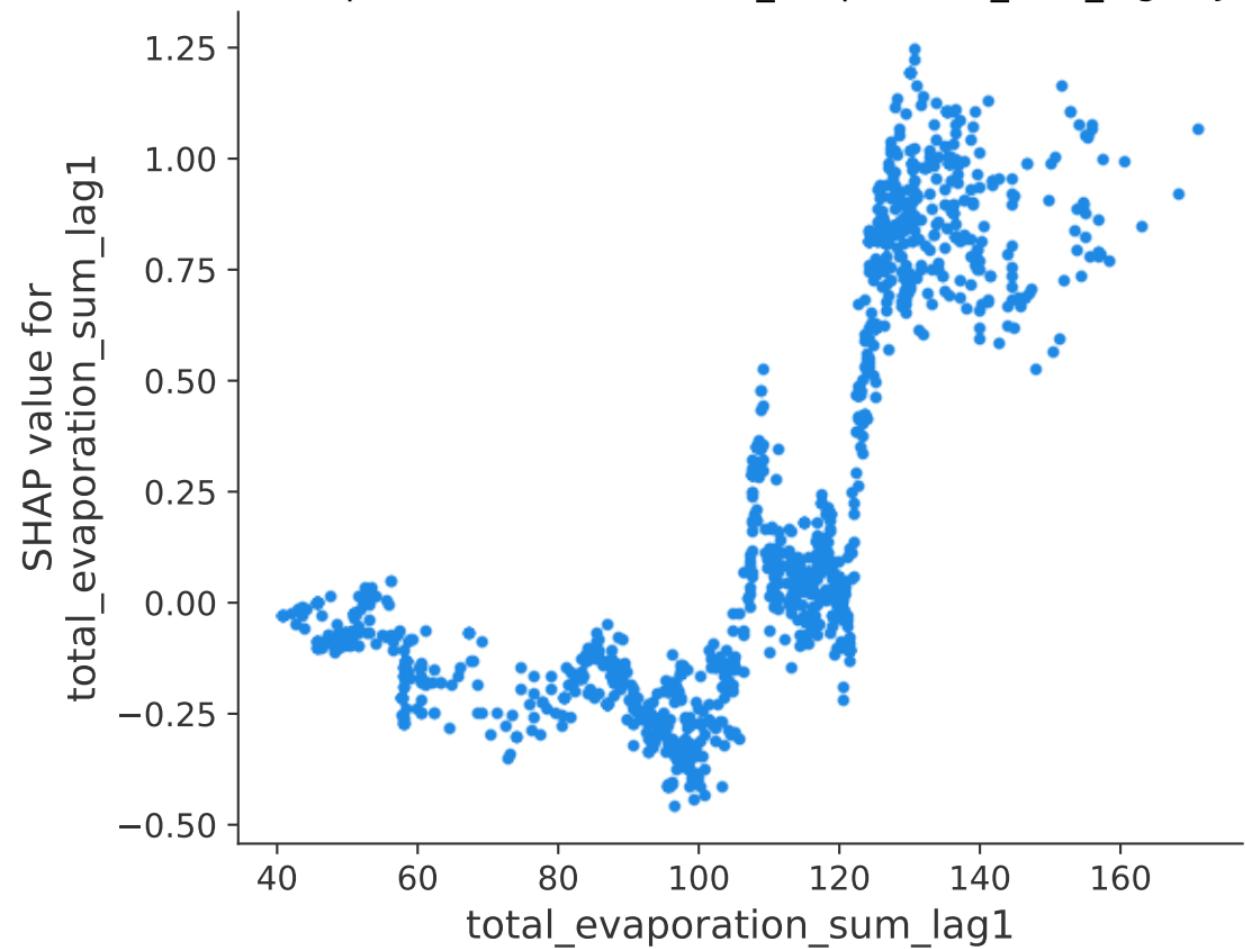
SHAP Dependence Plot for precipitation_lag3 - Java



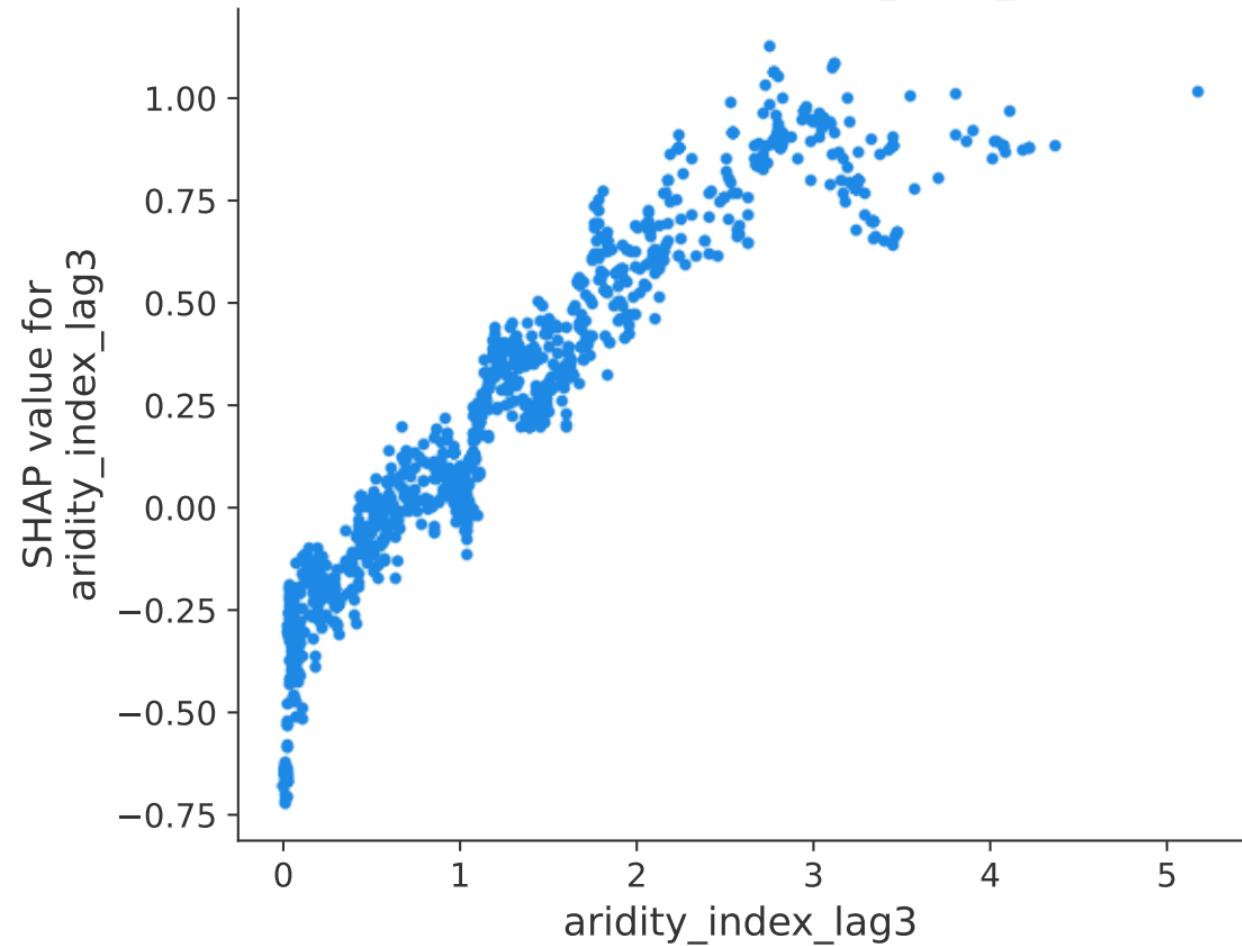
SHAP Dependence Plot for ANOM1+2_lag3 - Java



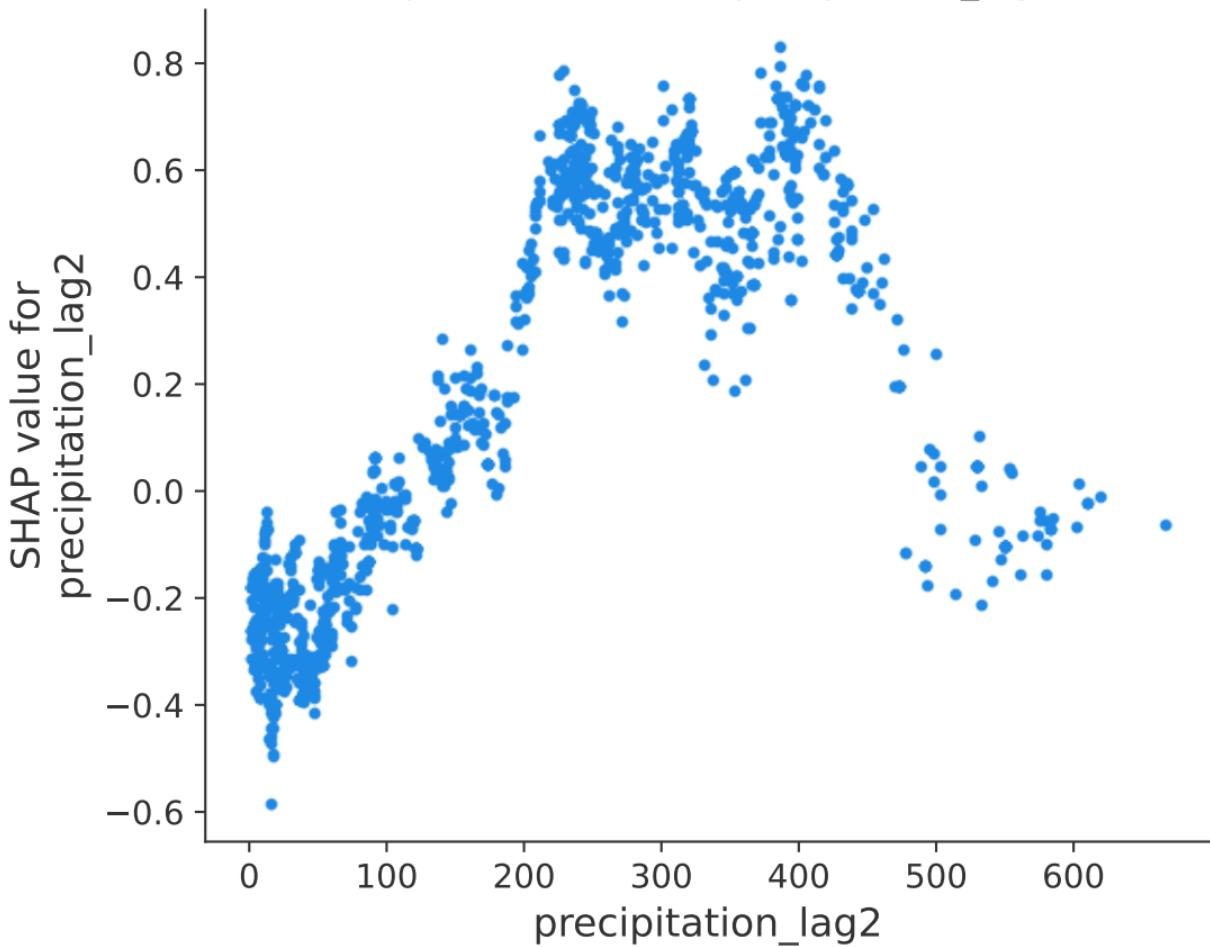
SHAP Dependence Plot for total_evaporation_sum_lag1 - Java



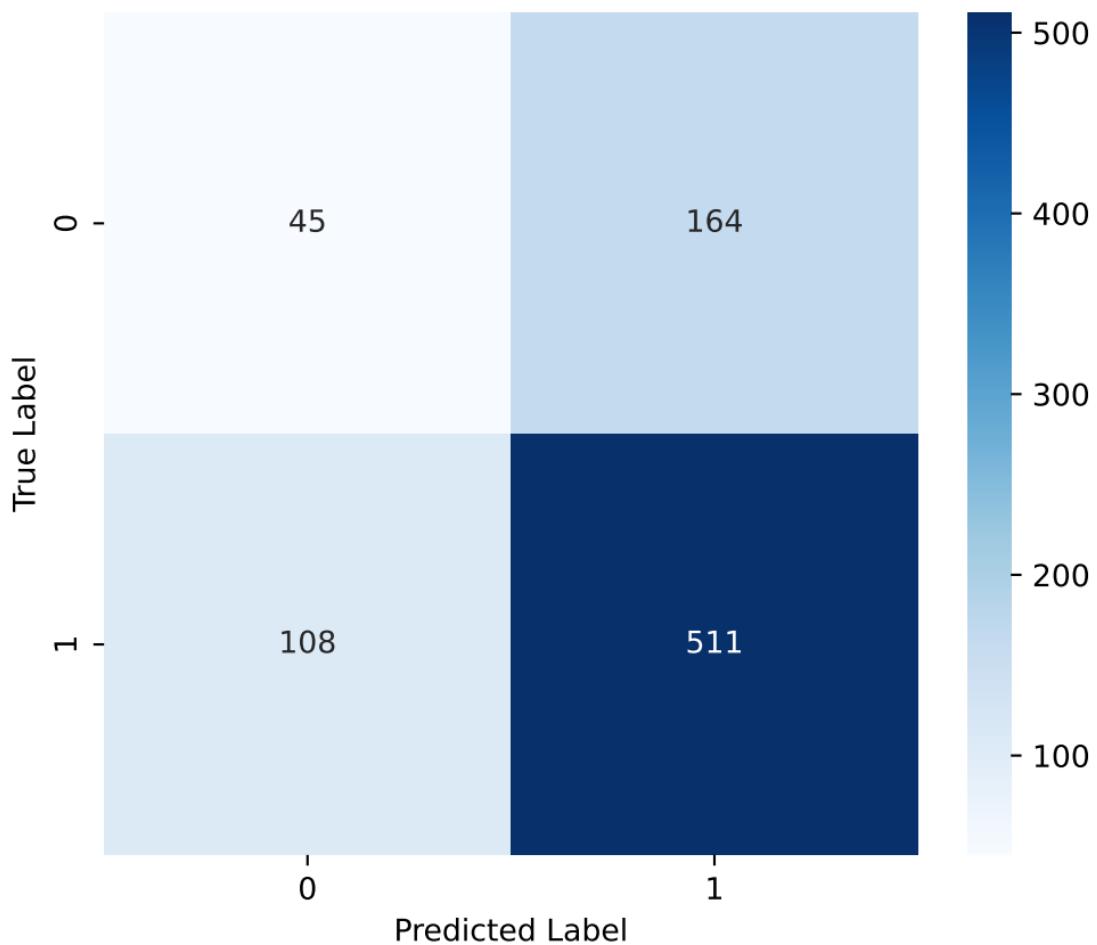
SHAP Dependence Plot for aridity_index_lag3 - Java



SHAP Dependence Plot for precipitation_lag2 - Java

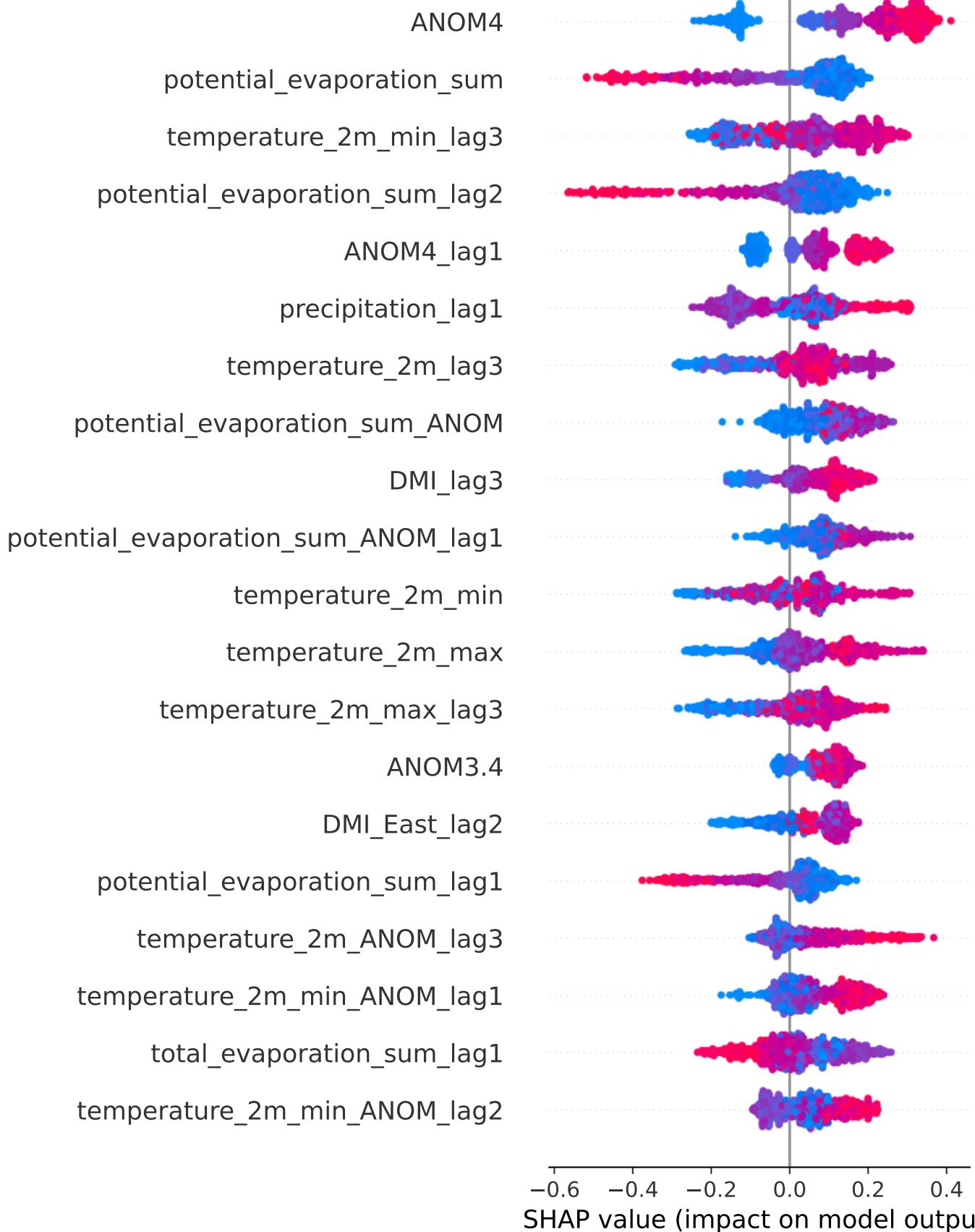


Confusion Matrix - Sulawesi

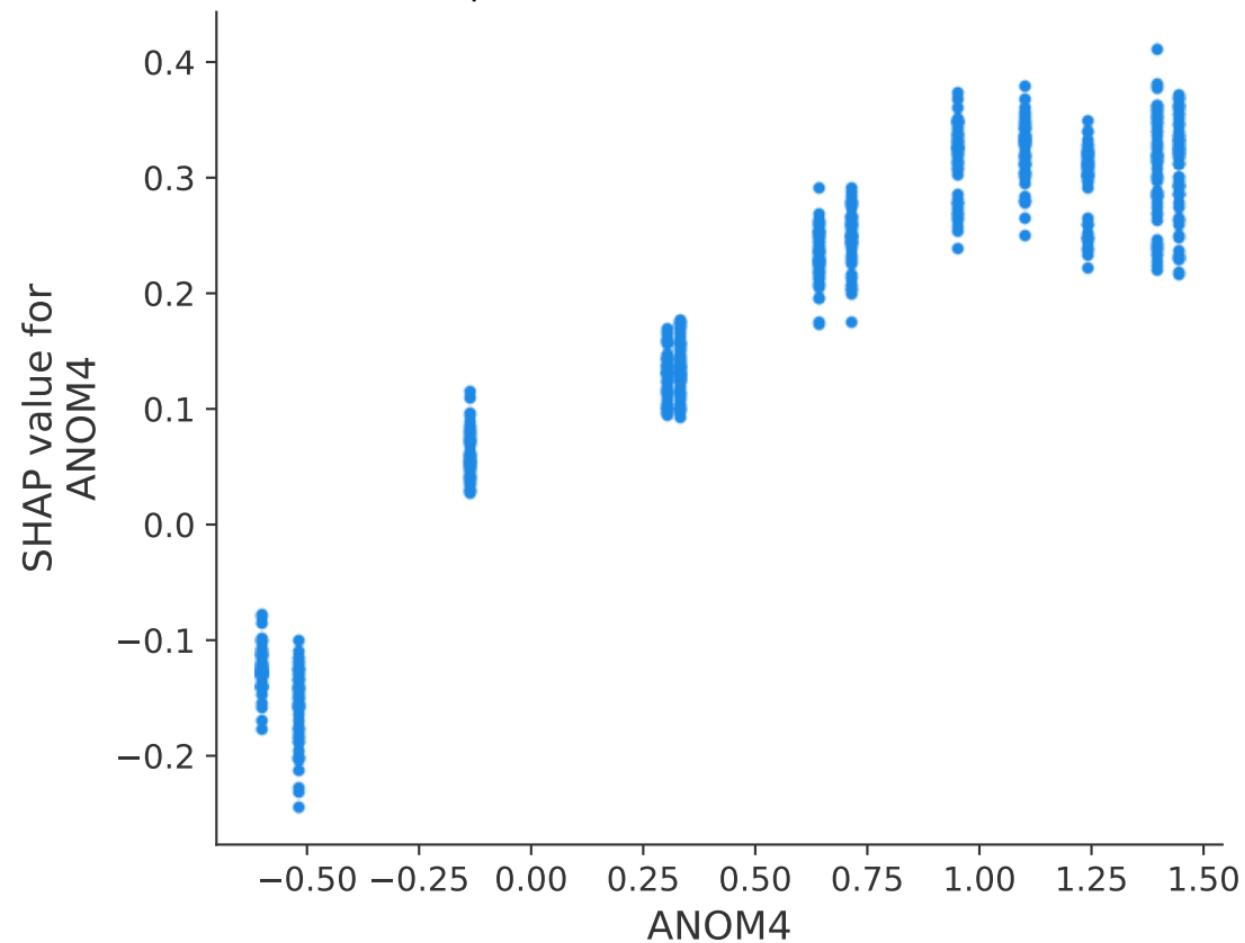


SHAP Beeswarm Plot for Class 0 - Sulawesi

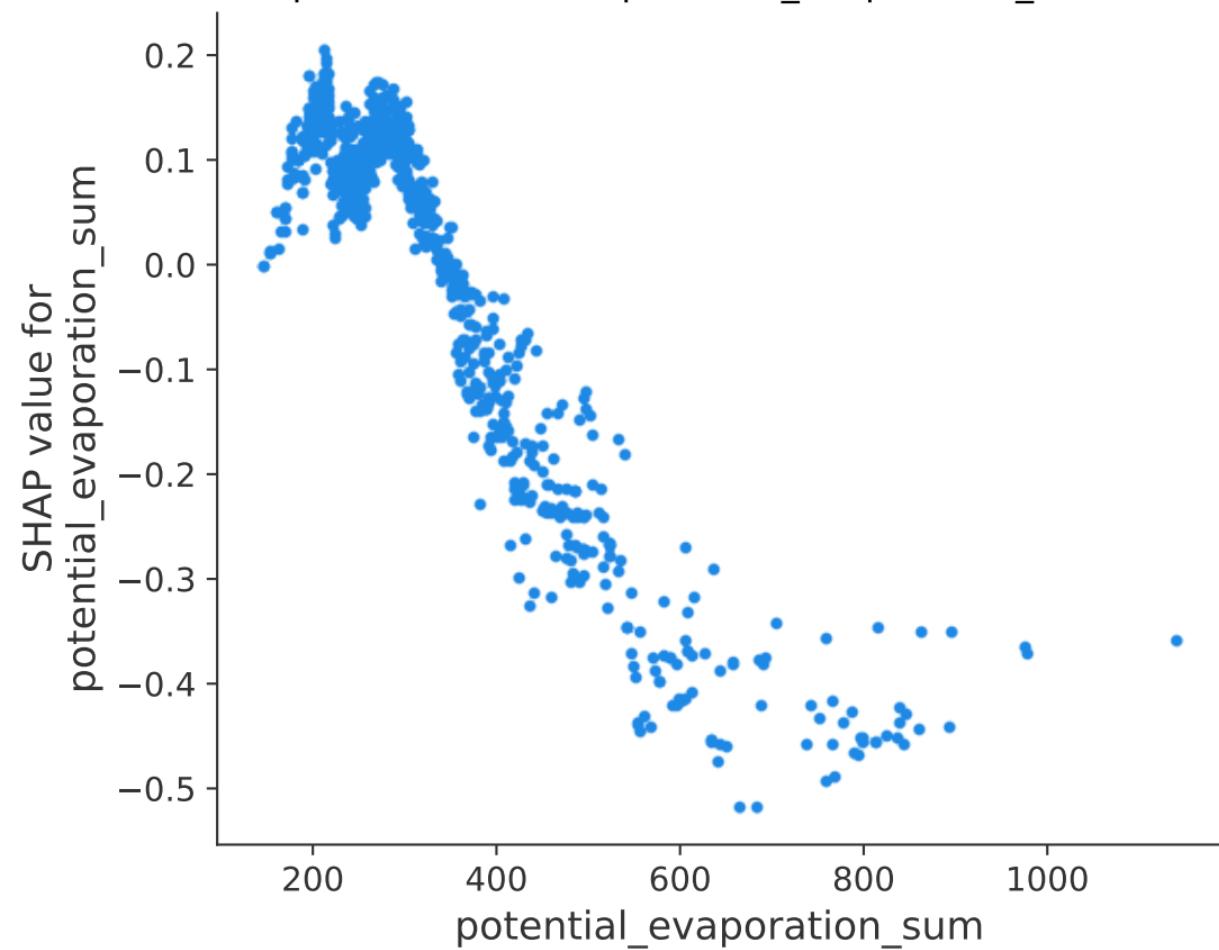
High



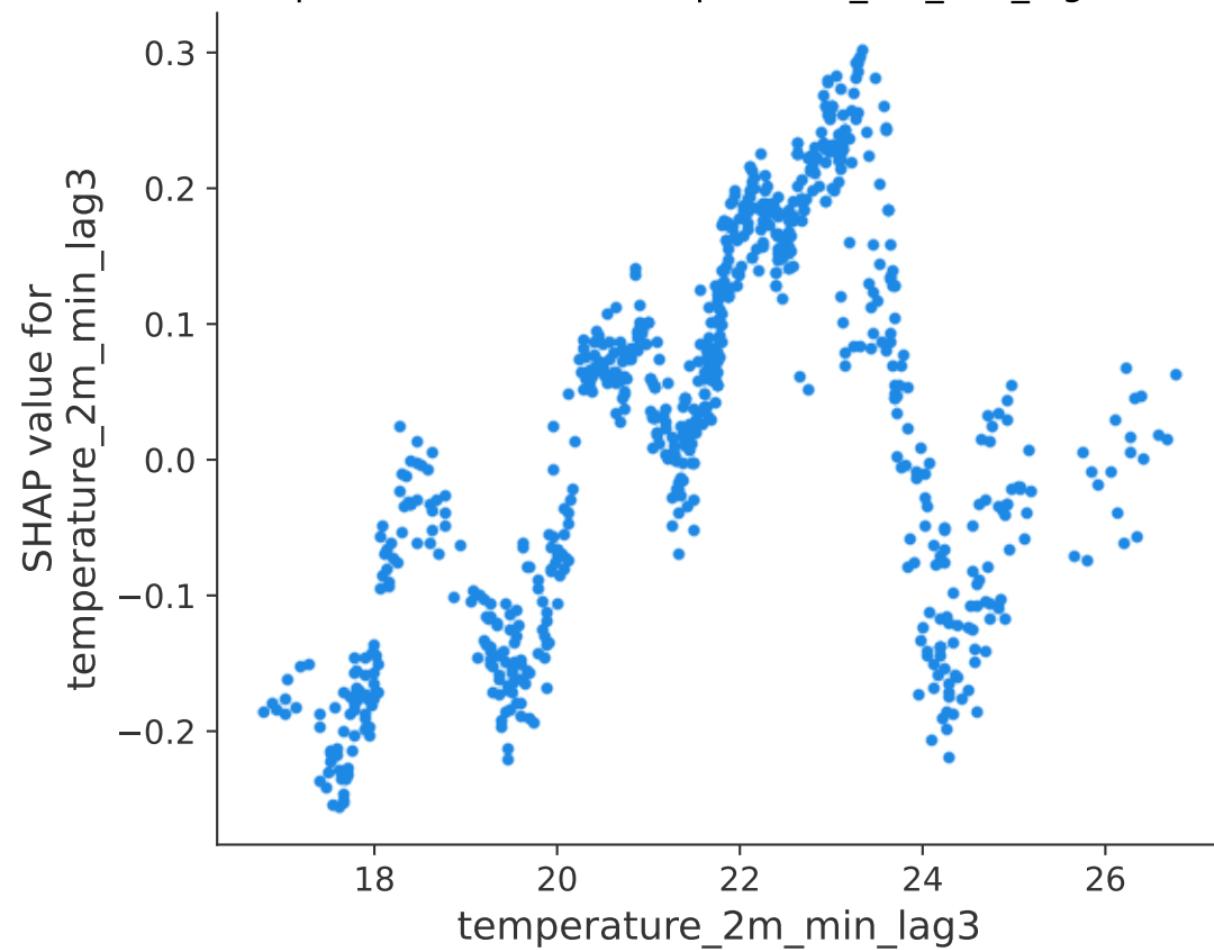
SHAP Dependence Plot for ANOM4 - Sulawesi



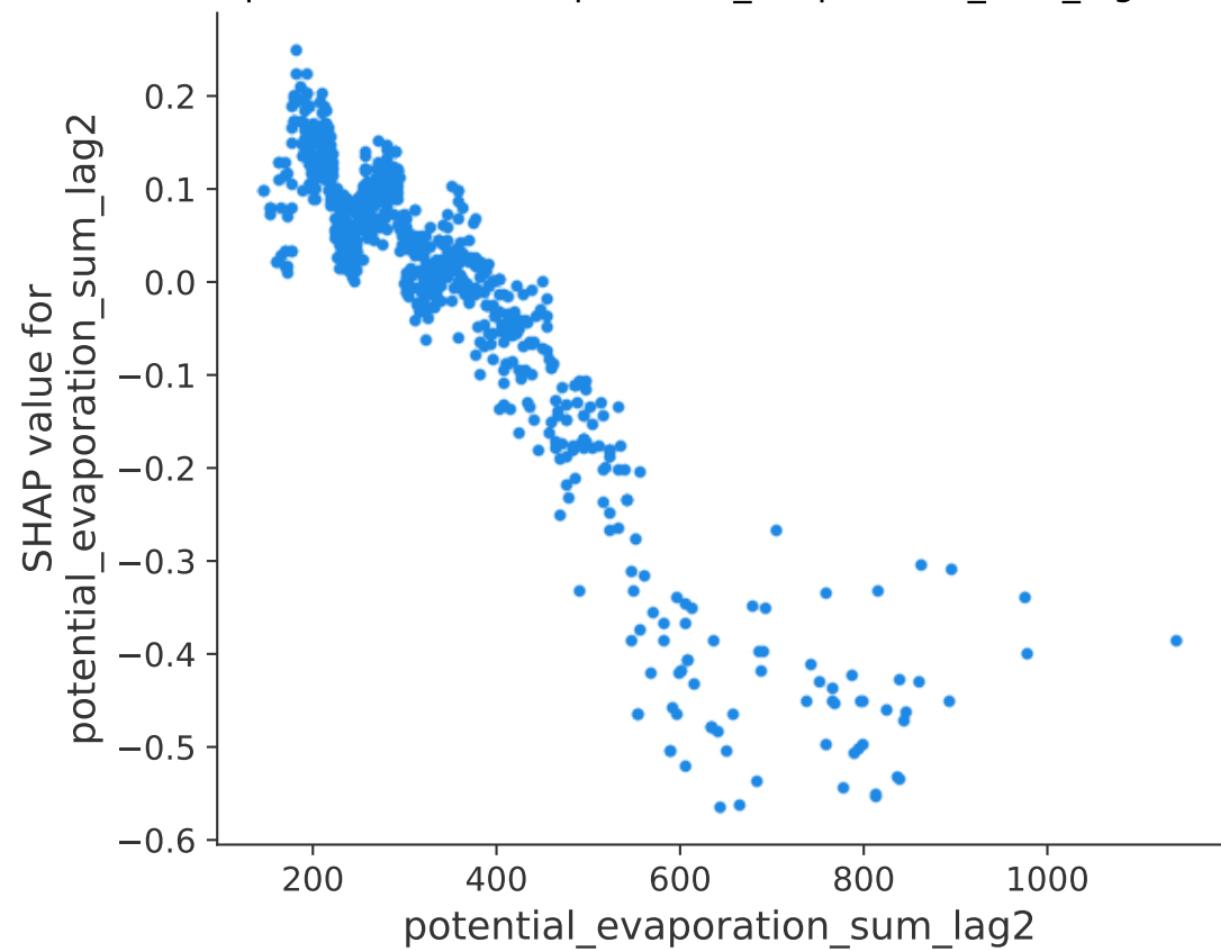
SHAP Dependence Plot for potential_evaporation_sum - Sulawesi



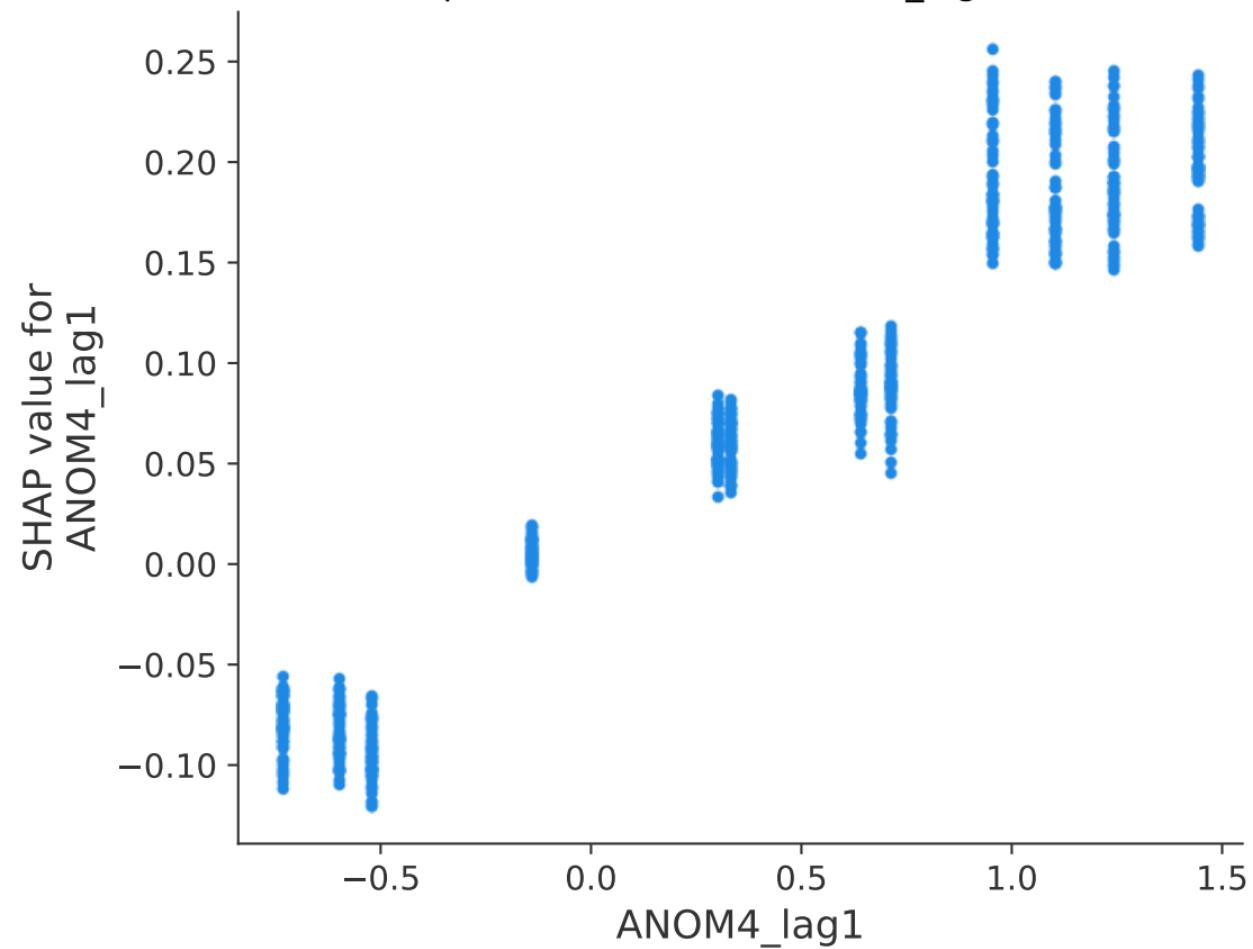
SHAP Dependence Plot for temperature_2m_min_lag3 - Sulawesi



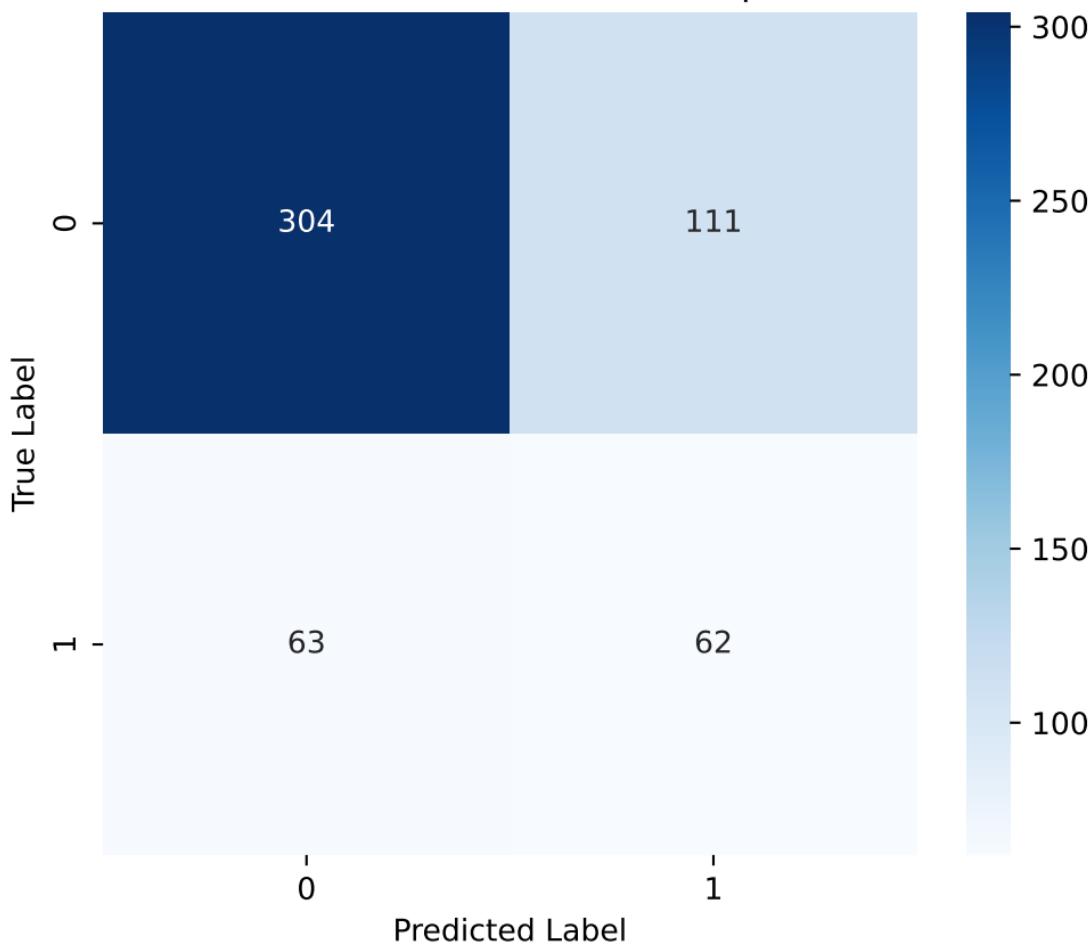
SHAP Dependence Plot for potential_evaporation_sum_lag2 - Sulawesi



SHAP Dependence Plot for ANOM4_lag1 - Sulawesi

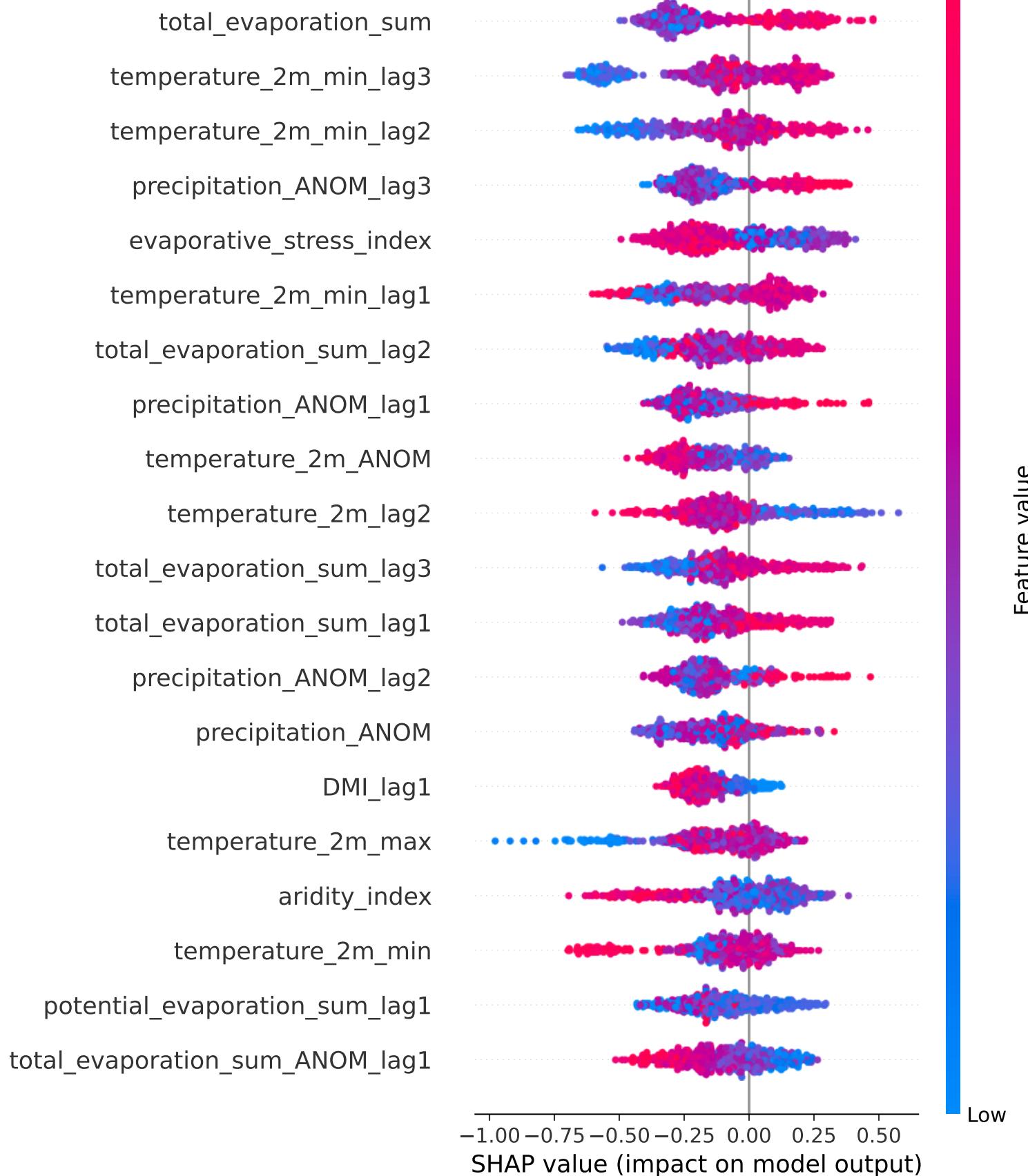


Confusion Matrix - Maluku-Papua

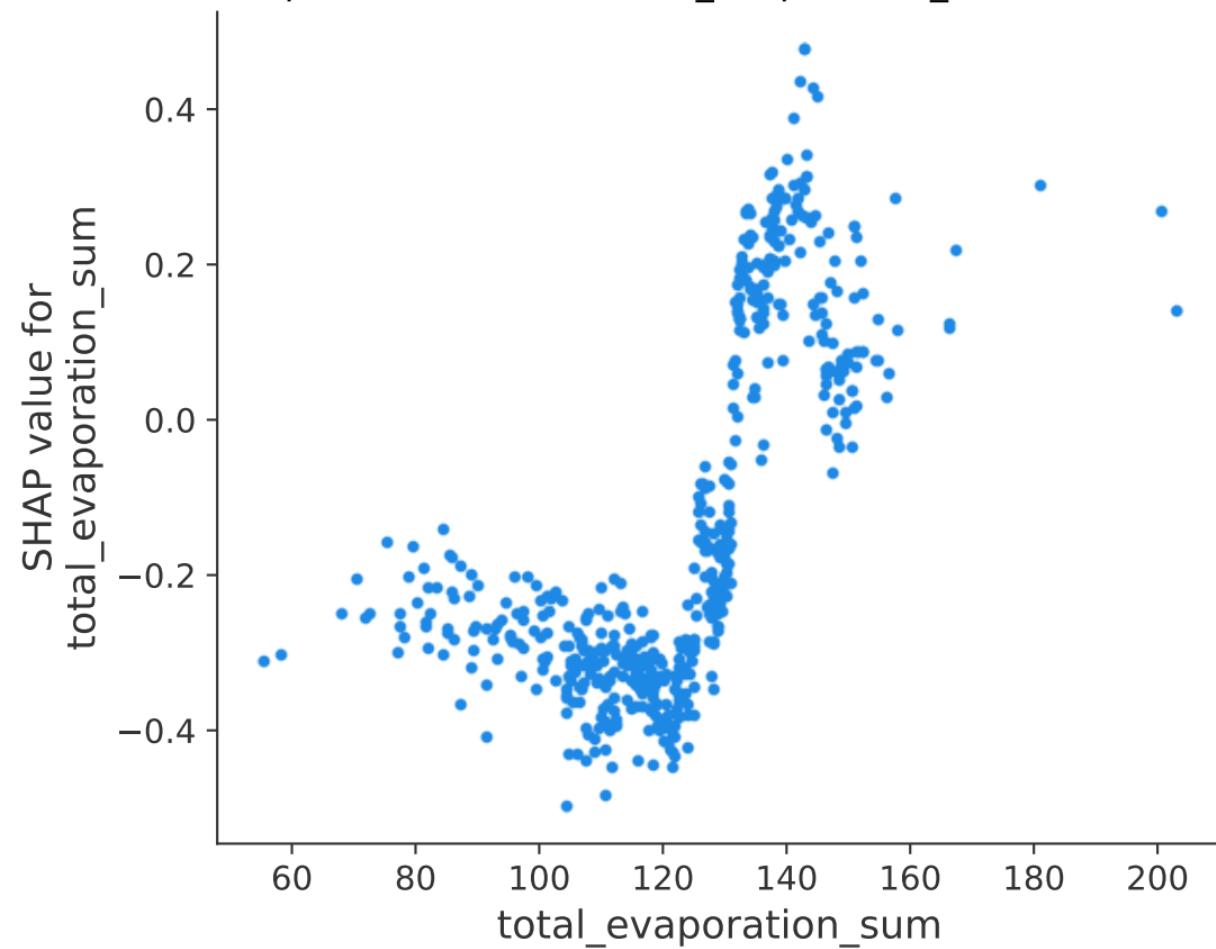


SHAP Beeswarm Plot for Class 0 - Maluku-Papua

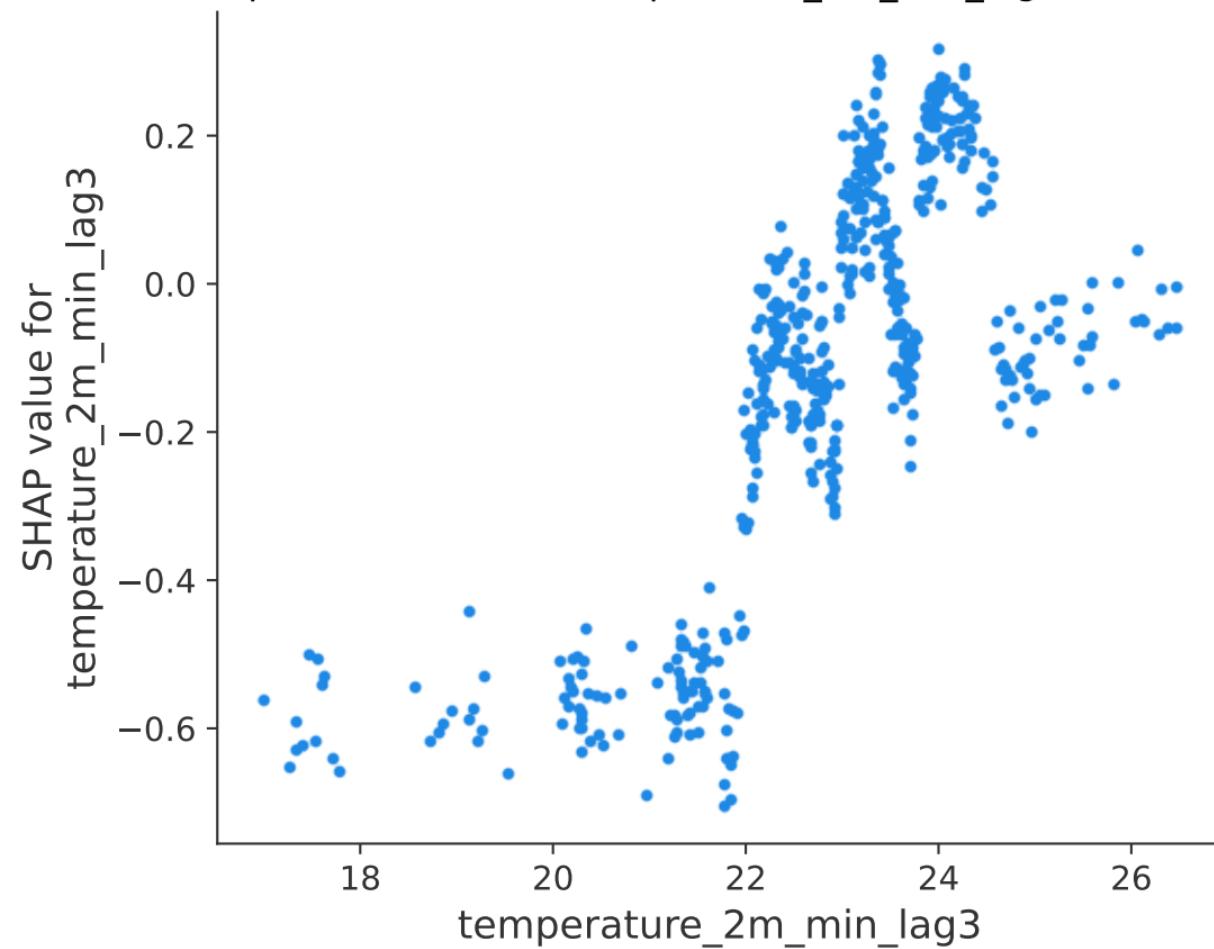
High



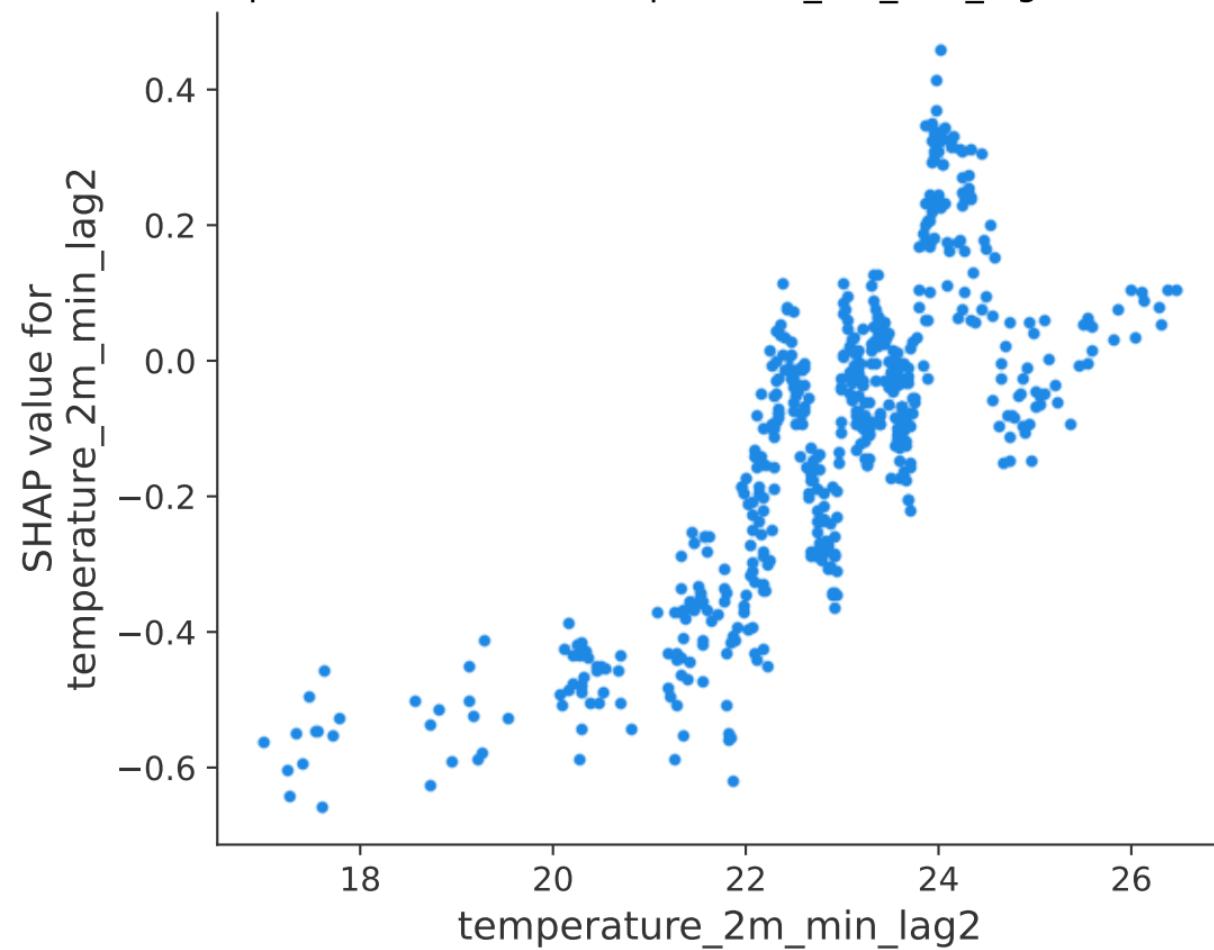
SHAP Dependence Plot for total_evaporation_sum - Maluku-Papua



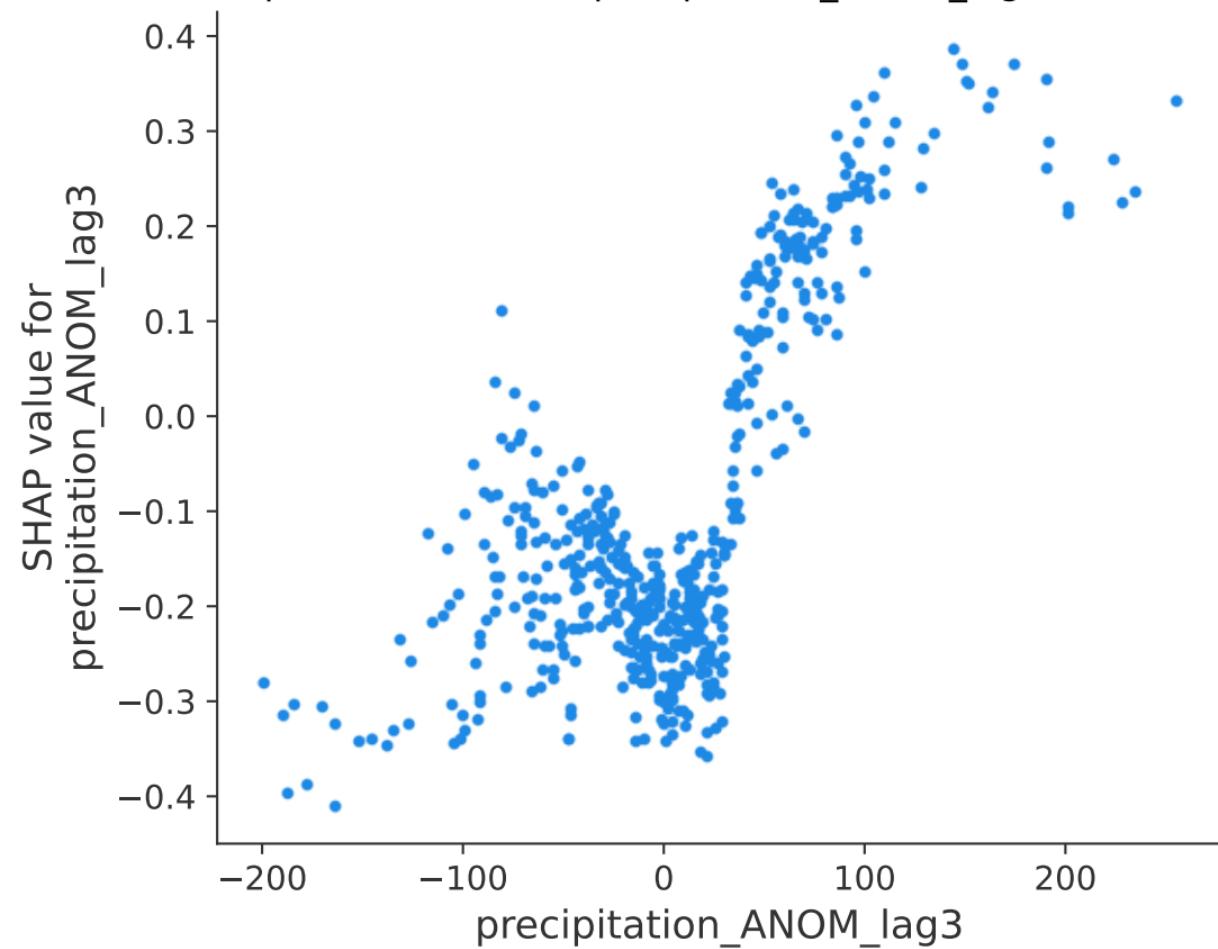
SHAP Dependence Plot for temperature_2m_min_lag3 - Maluku-Papua



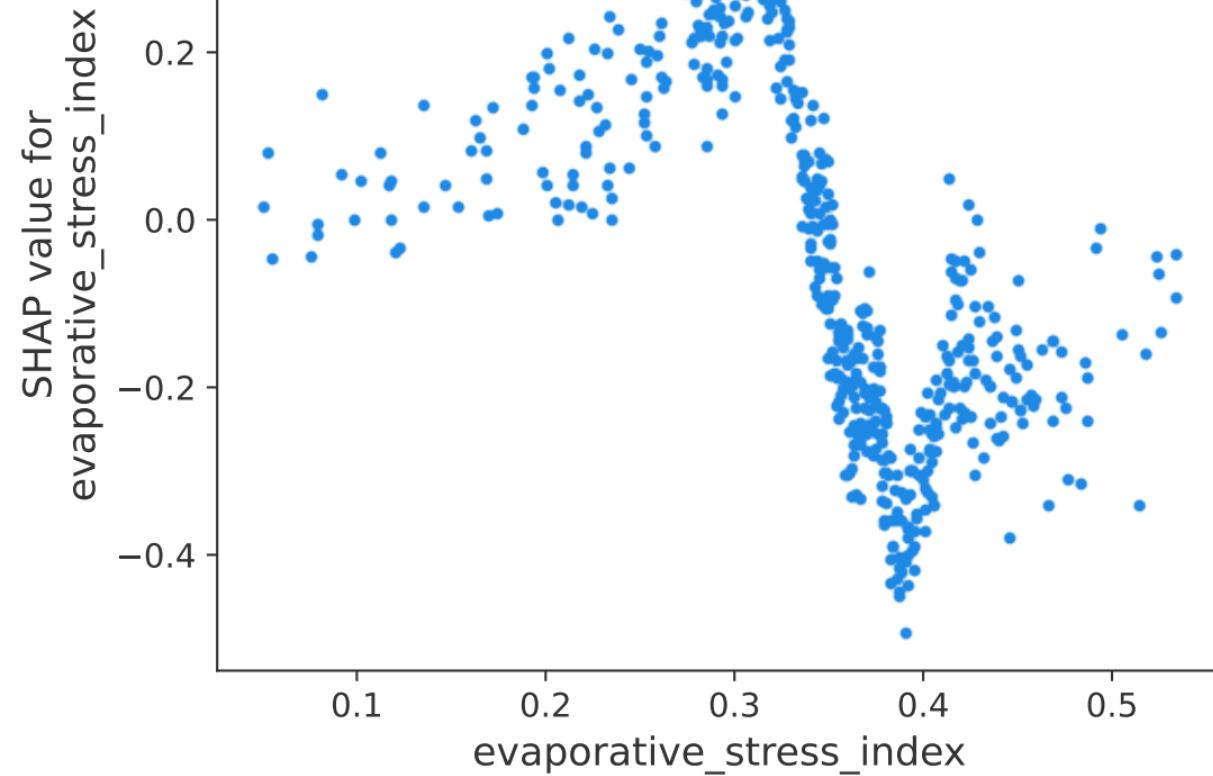
SHAP Dependence Plot for temperature_2m_min_lag2 - Maluku-Papua



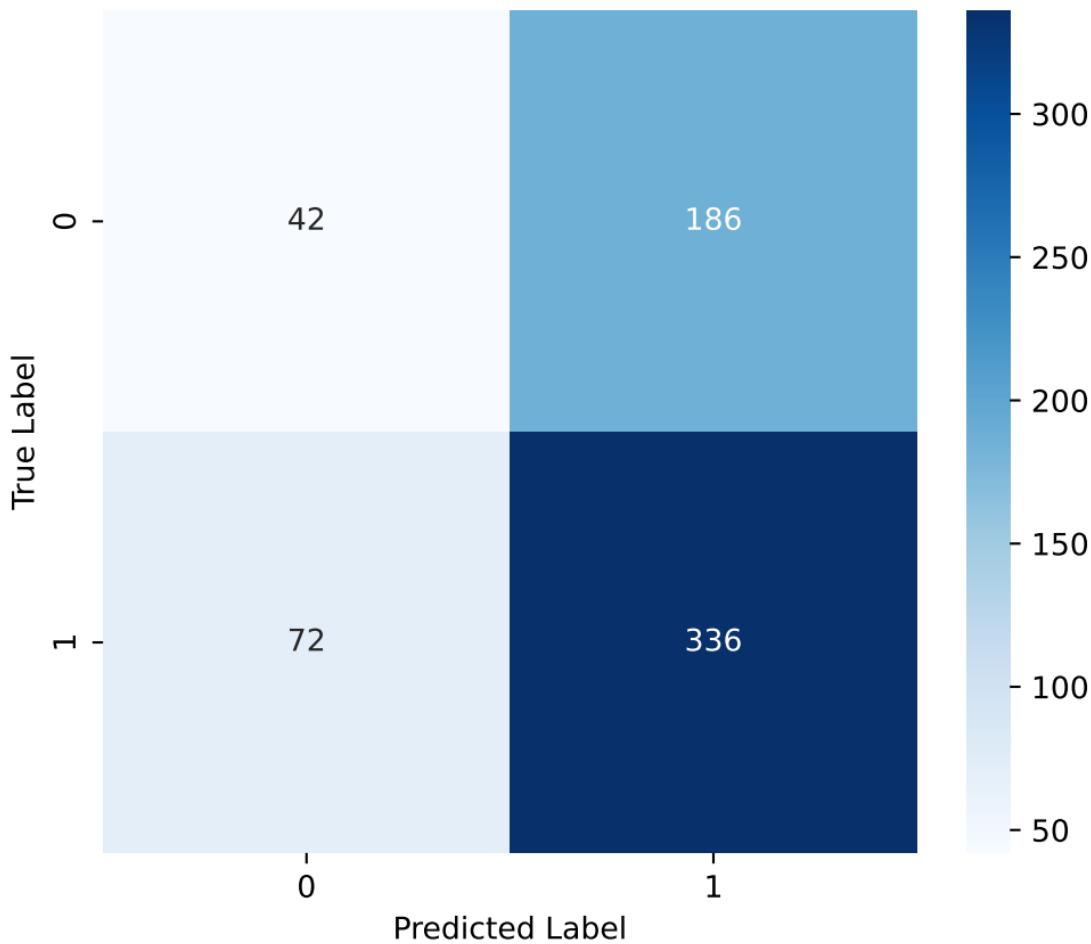
SHAP Dependence Plot for precipitation_ANOM_lag3 - Maluku-Papua



SHAP Dependence Plot for evaporative_stress_index - Maluku-Papua



Confusion Matrix - Kalimantan



SHAP Beeswarm Plot for Class 0 - Kalimantan

High

evaporative_stress_index_lag3

ANOM3

ANOM4

ANOM1+2

total_evaporation_sum_lag3

temperature_2m_min

ANOM3.4

temperature_2m_max_lag3

DMI_lag1

total_evaporation_sum_lag2

precipitation_lag3

temperature_2m_max_lag2

temperature_2m_min_ANOM

DMI_East_lag3

aridity_index_lag3

total_evaporation_sum_ANOM_lag3

temperature_2m_min_lag2

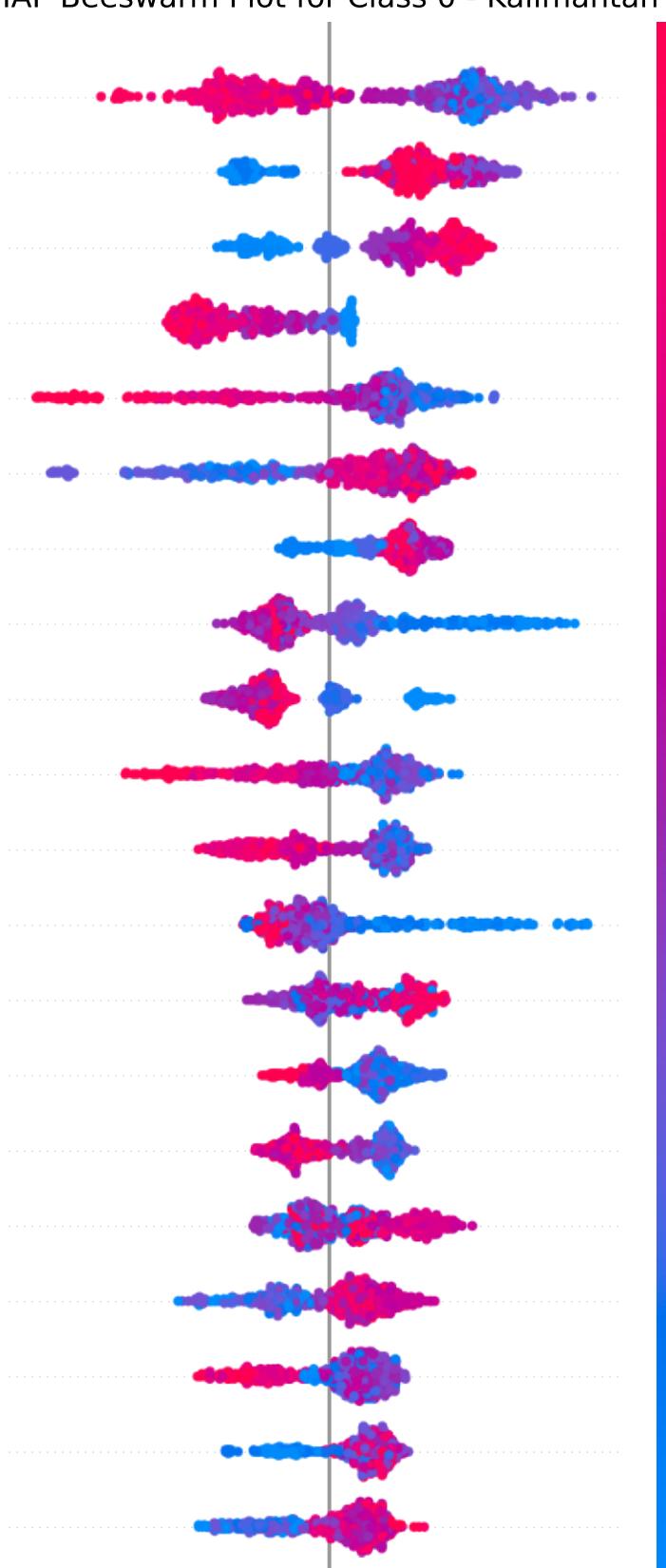
total_evaporation_sum_lag1

temperature_2m_min_ANOM_lag2

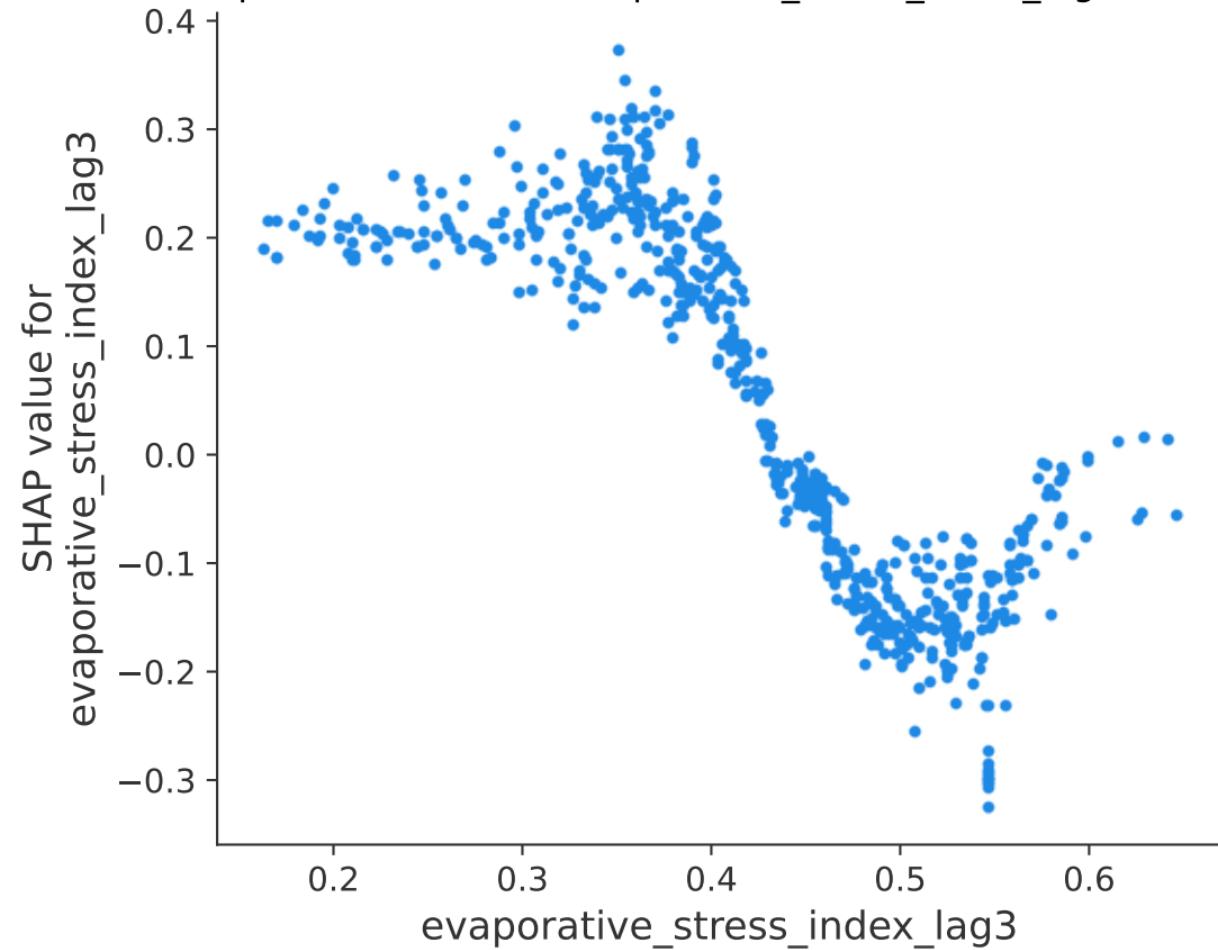
temperature_2m_min_lag1

SHAP value (impact on model output)

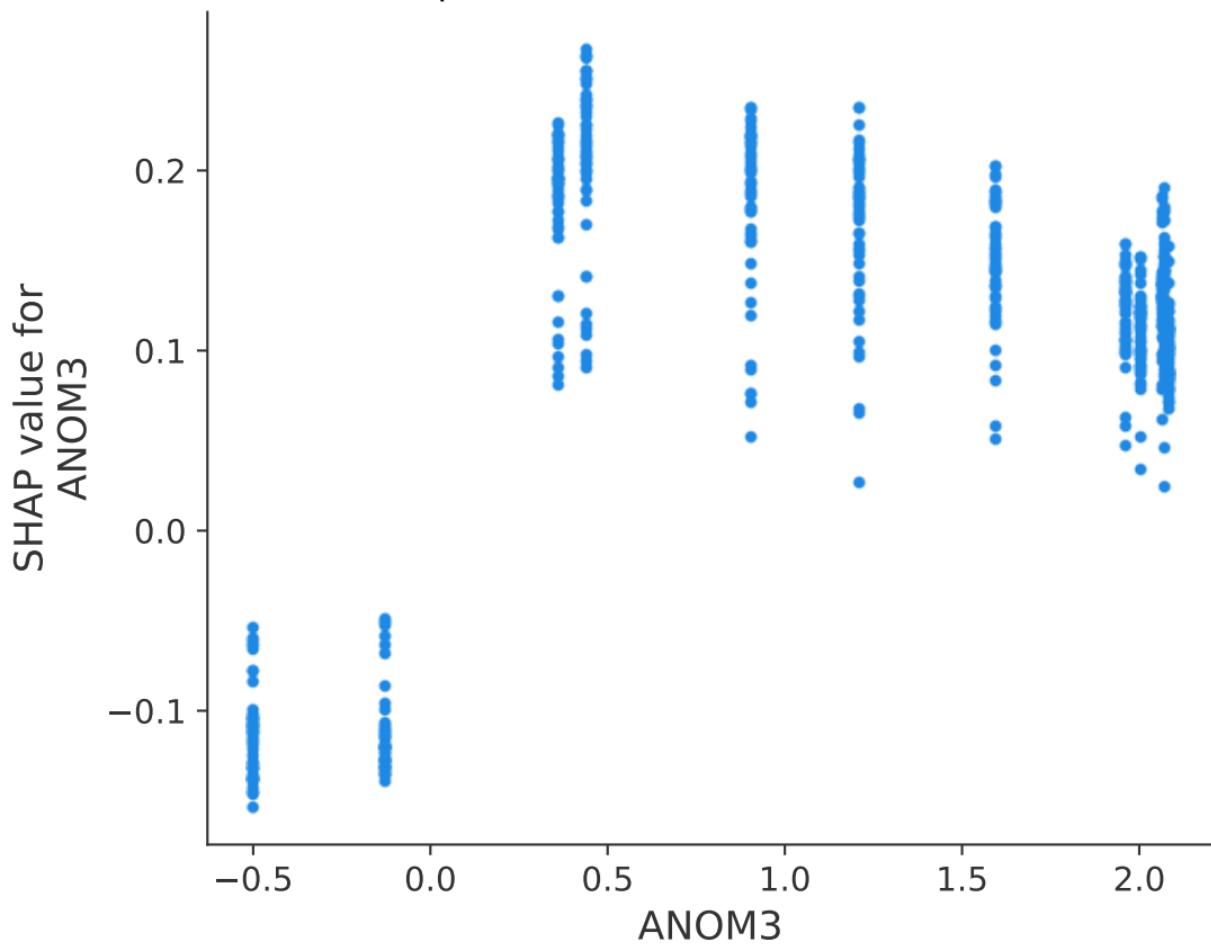
Low



SHAP Dependence Plot for evaporative_stress_index_lag3 - Kalimantan



SHAP Dependence Plot for ANOM3 - Kalimantan



SHAP Dependence Plot for ANOM4 - Kalimantan

SHAP value for
ANOM4

0.25

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.15

-0.50

-0.25

0.00

0.25

0.50

0.75

1.00

1.25

1.50

ANOM4

SHAP Dependence Plot for ANOM1+2 - Kalimantan

SHAP value for
ANOM1+2

0.00

-0.05

-0.10

-0.15

-0.20

0.0

0.5

1.0

ANOM1+2

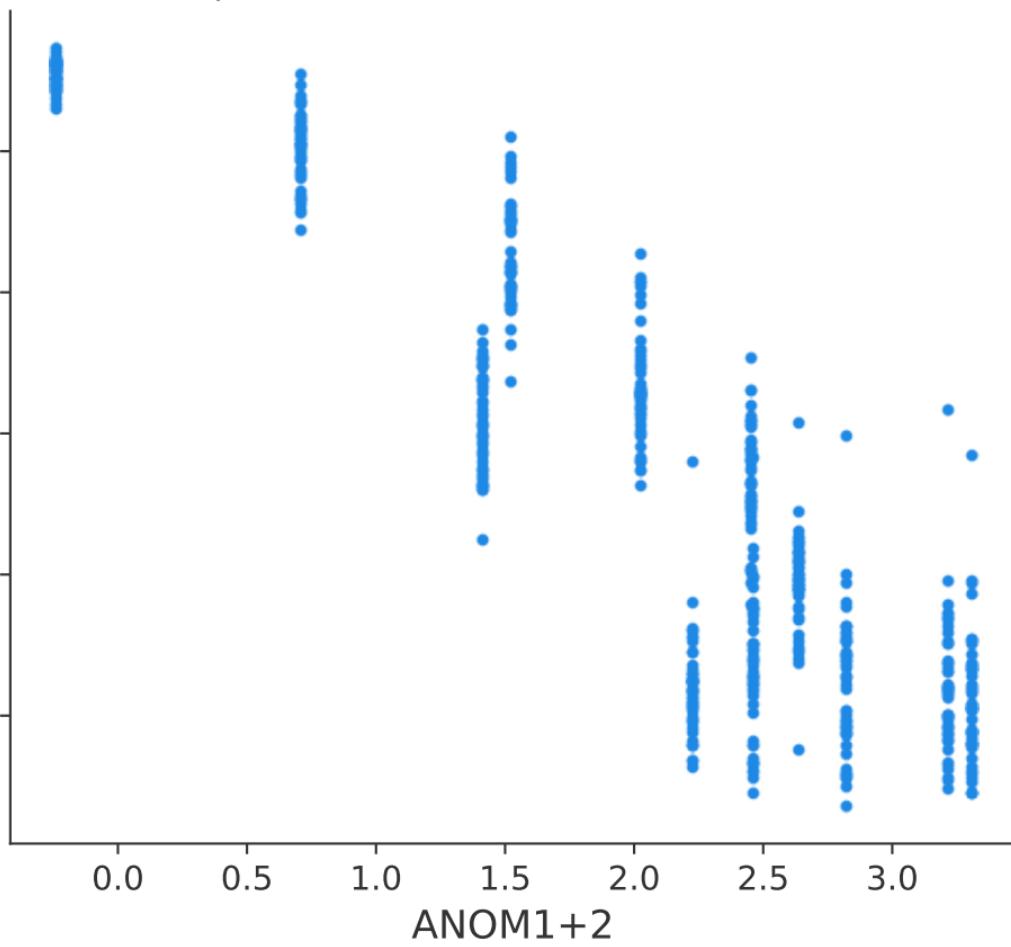
1.5

2.0

2.5

3.0

3.5



SHAP Dependence Plot for total_evaporation_sum_lag3 - Kalimantan

