

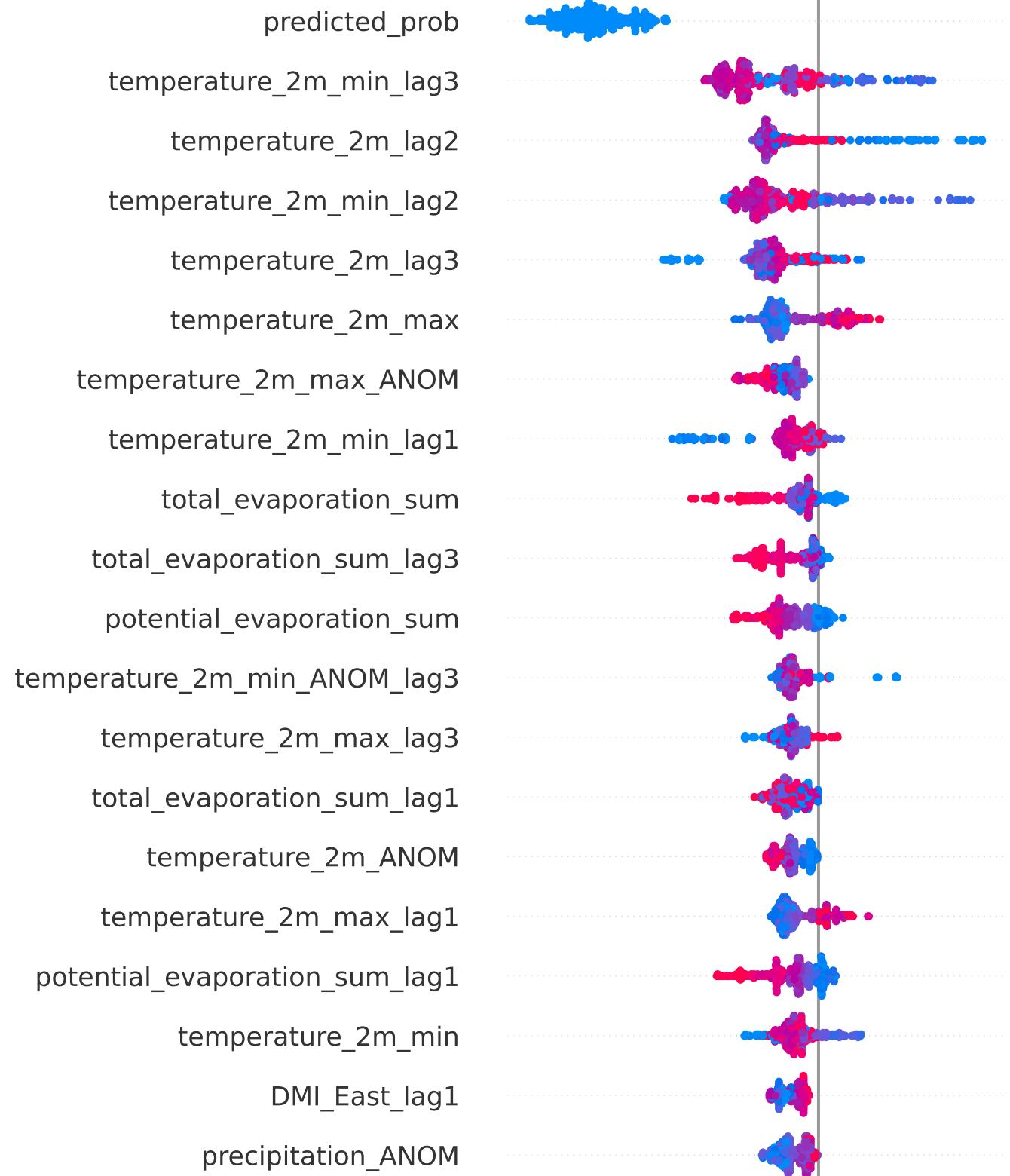
SHAP Beeswarm Plot - Nusa Tenggara

High

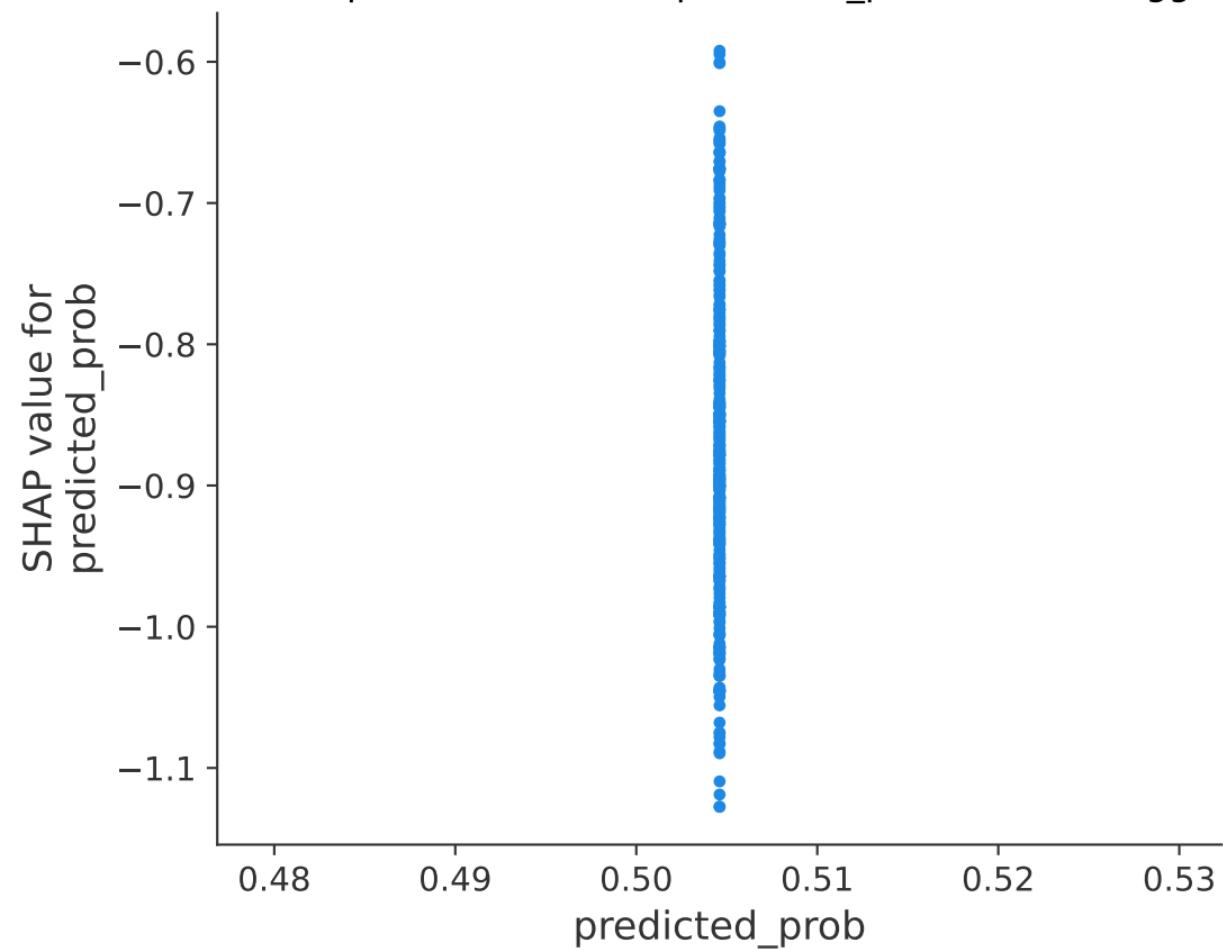
Feature value

Low

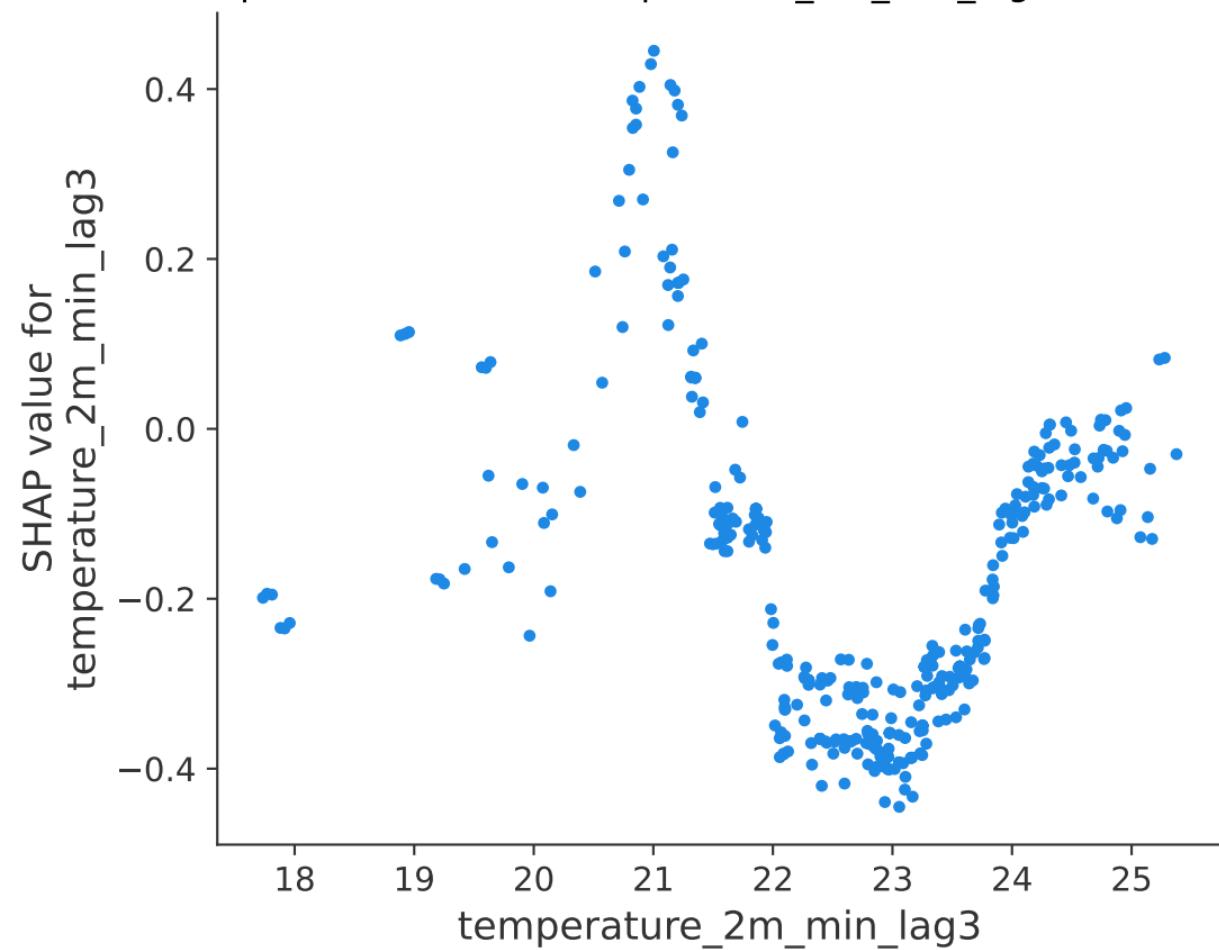
SHAP value (impact on model output)



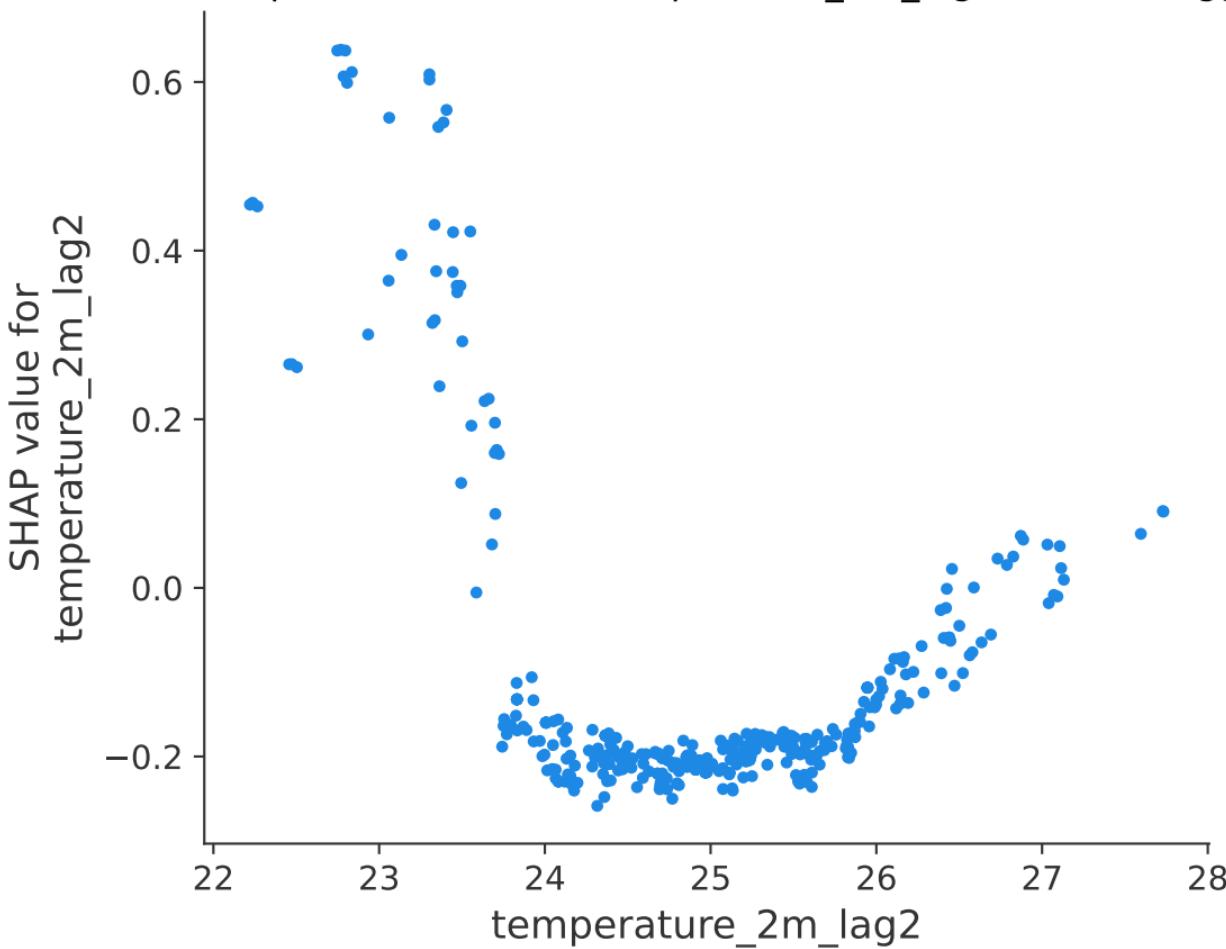
SHAP Dependence Plot for predicted_prob - Nusa Tenggara



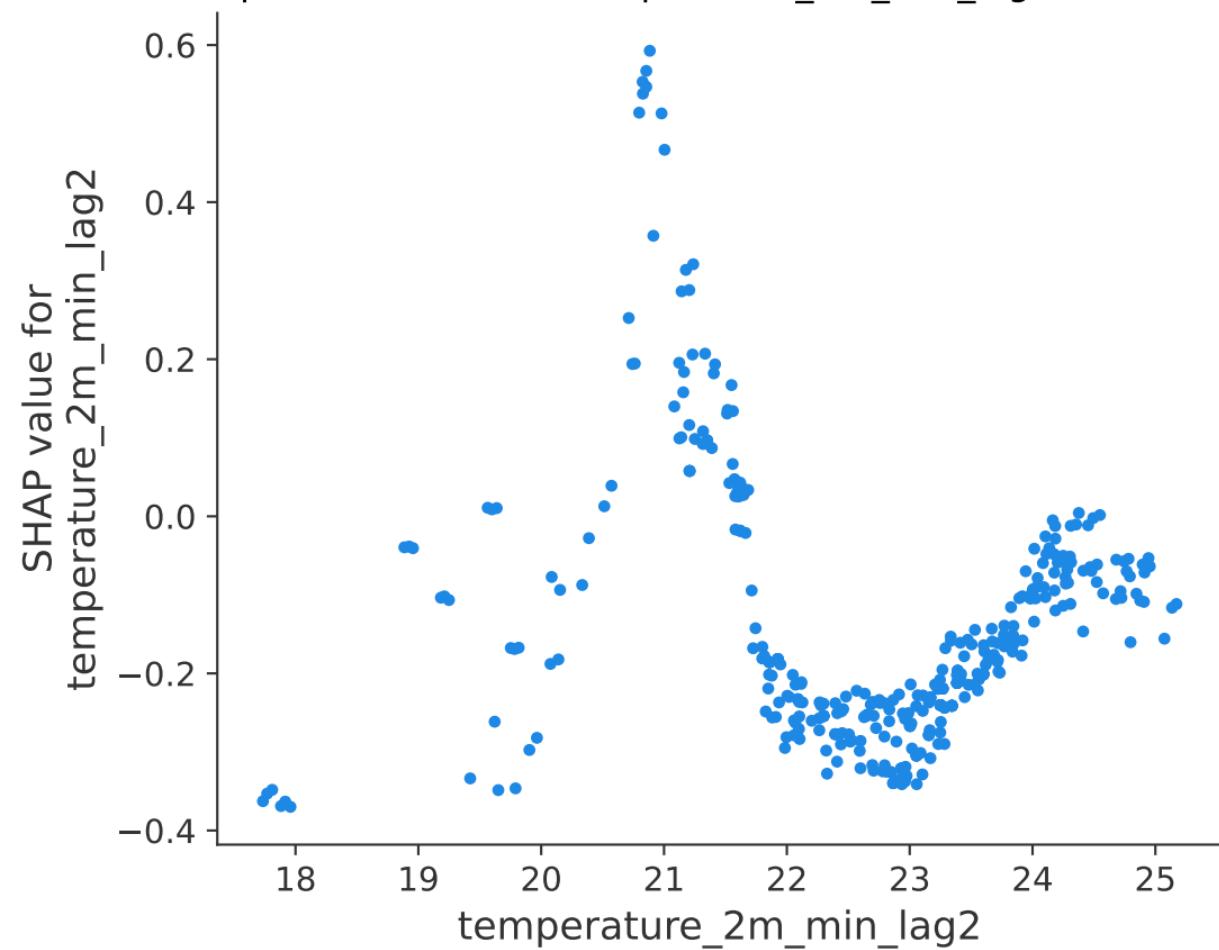
SHAP Dependence Plot for temperature_2m_min_lag3 - Nusa Tenggara



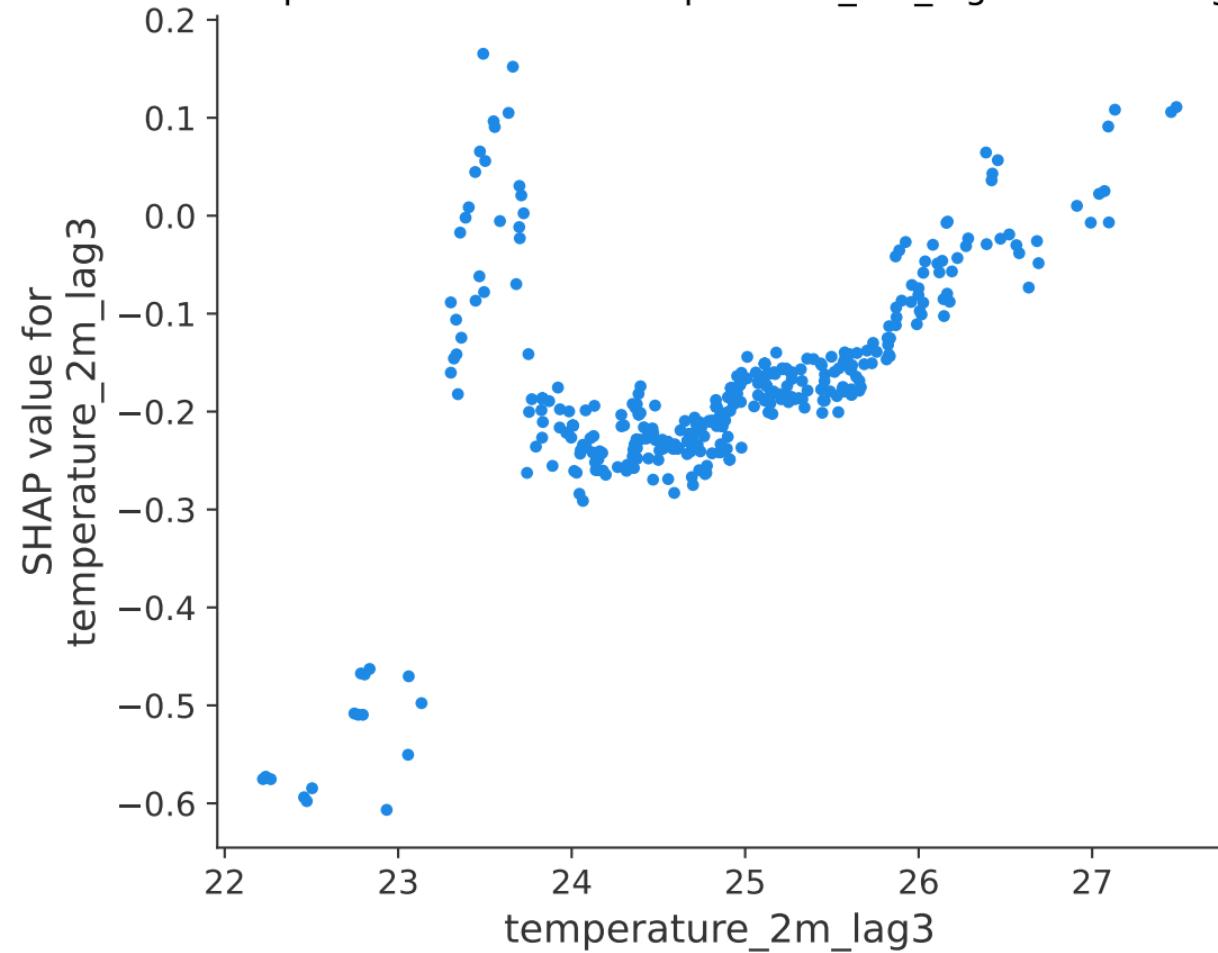
SHAP Dependence Plot for temperature_2m_lag2 - Nusa Tenggara



SHAP Dependence Plot for temperature_2m_min_lag2 - Nusa Tenggara



SHAP Dependence Plot for temperature_2m_lag3 - Nusa Tenggara



SHAP Beeswarm Plot - Java

High

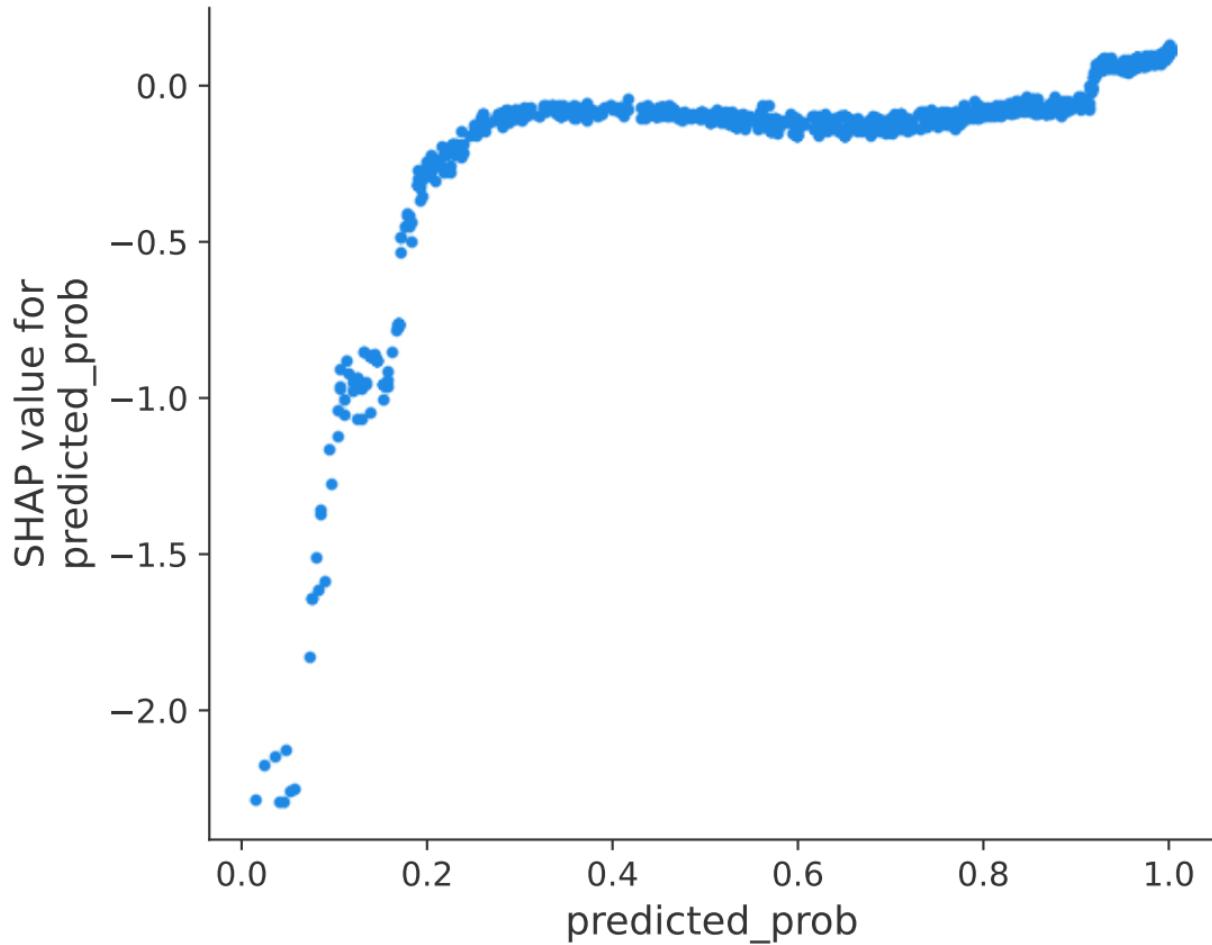
Feature value

Low

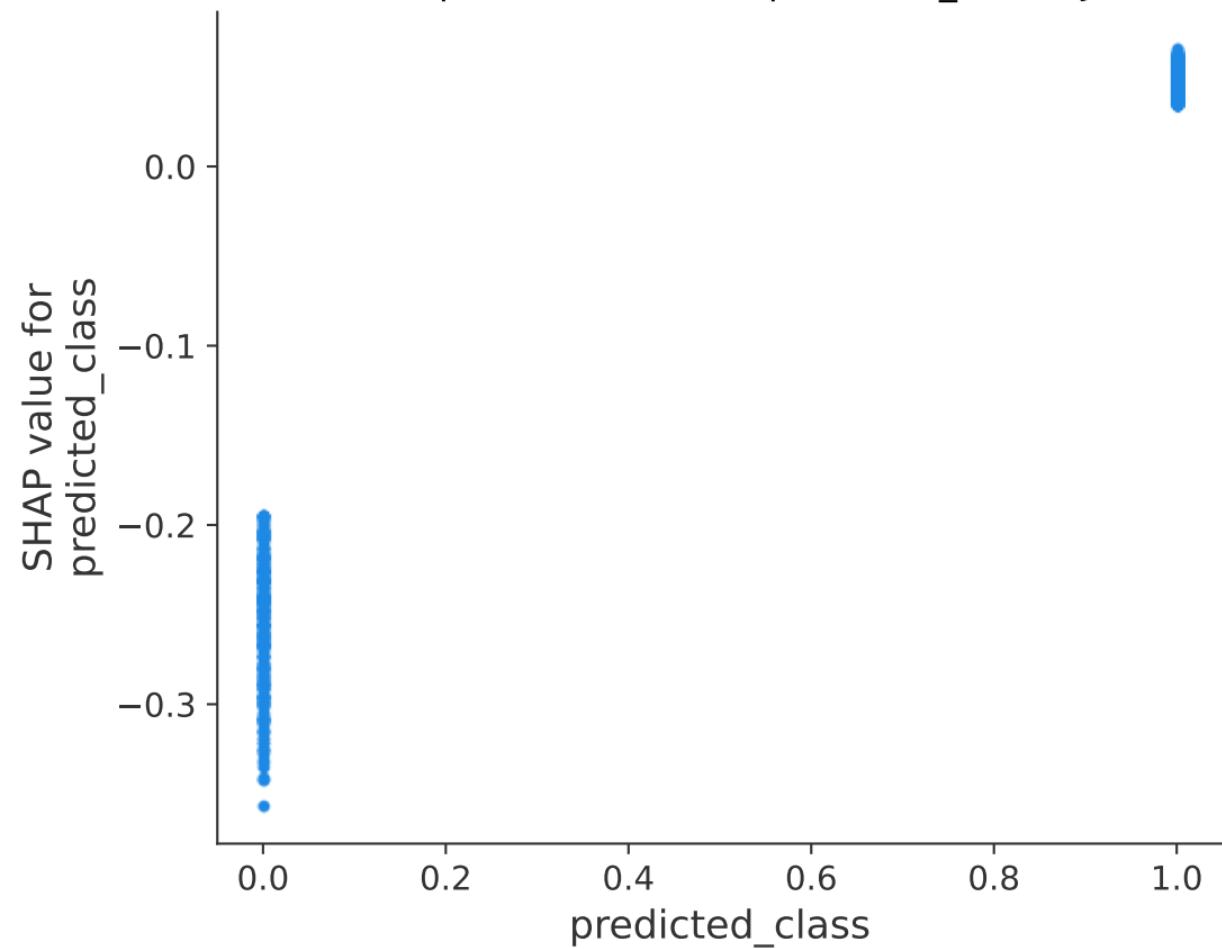
predicted_prob
predicted_class
evaporative_stress_index_lag1
ANOM3.4_lag3
precipitation_lag2
DMI_East_lag1
aridity_index_lag1
aridity_index
precipitation_lag1
precipitation
ANOM3.4_lag2
aridity_index_lag2
evaporative_stress_index
ANOM3_lag3
DMI_East_lag2
DMI_East
ANOM4_lag3
DMI_lag1
ANOM4
ANOM3_lag2

-2.0 -1.5 -1.0 -0.5 0.0
SHAP value (impact on model output)

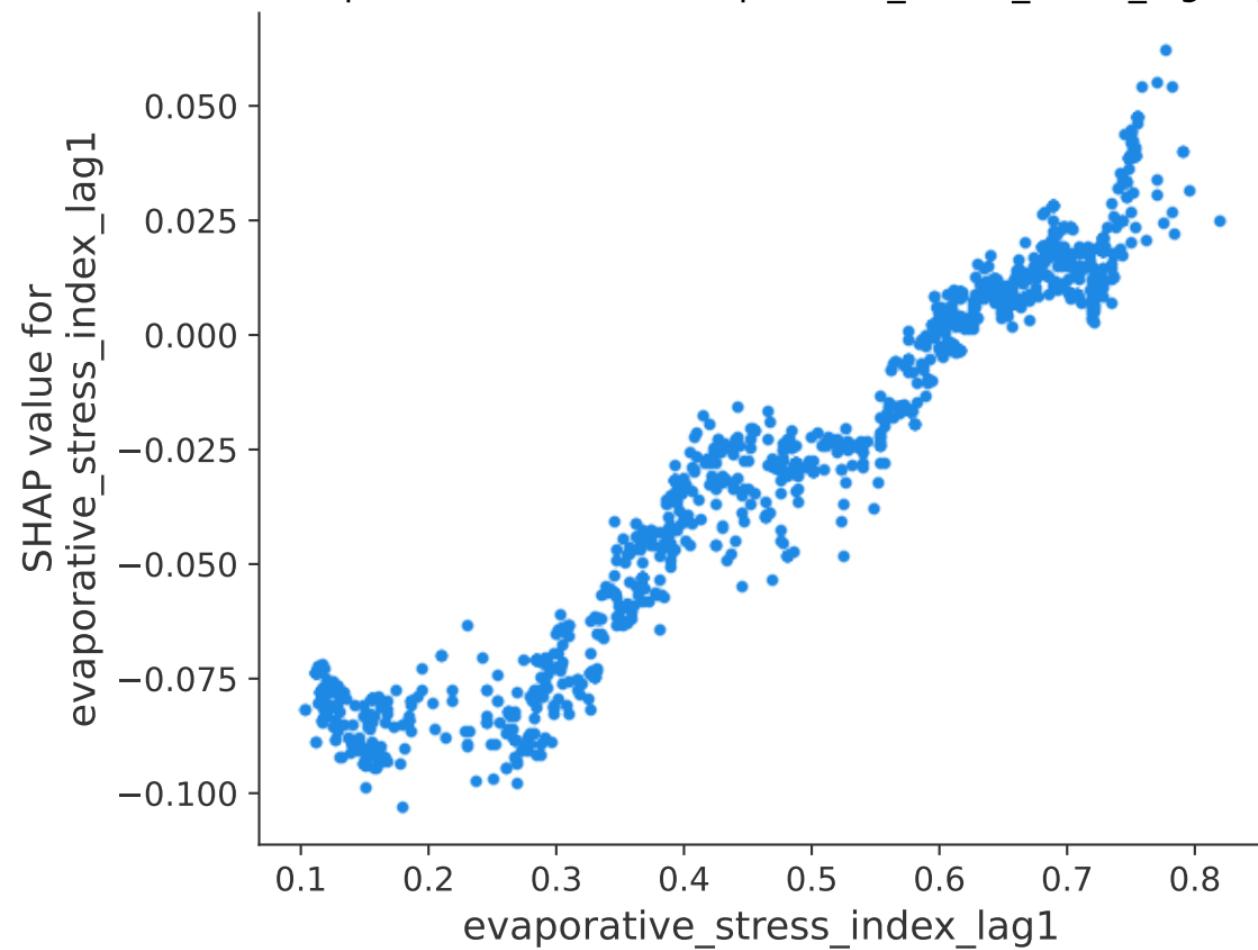
SHAP Dependence Plot for predicted_prob - Java



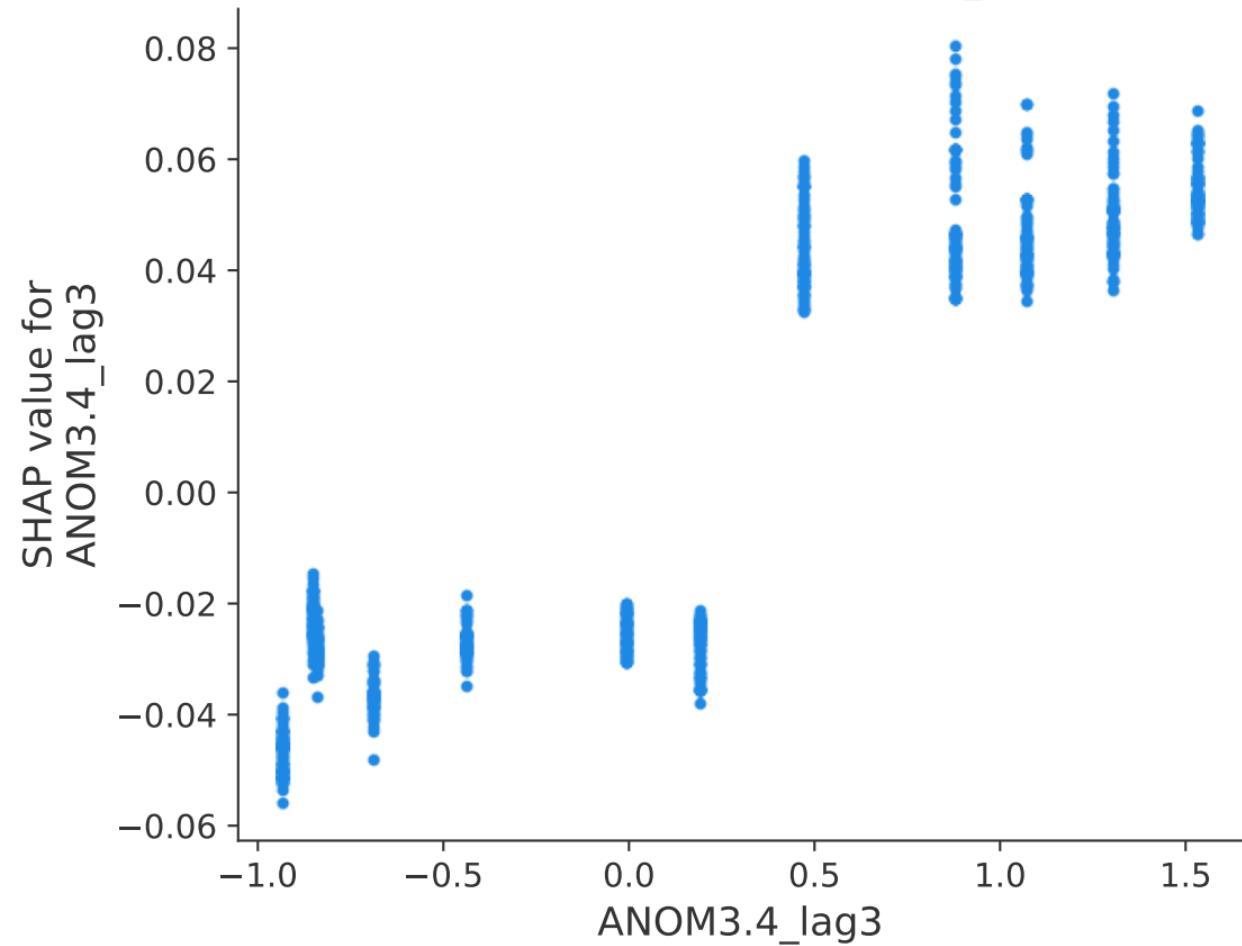
SHAP Dependence Plot for predicted_class - Java



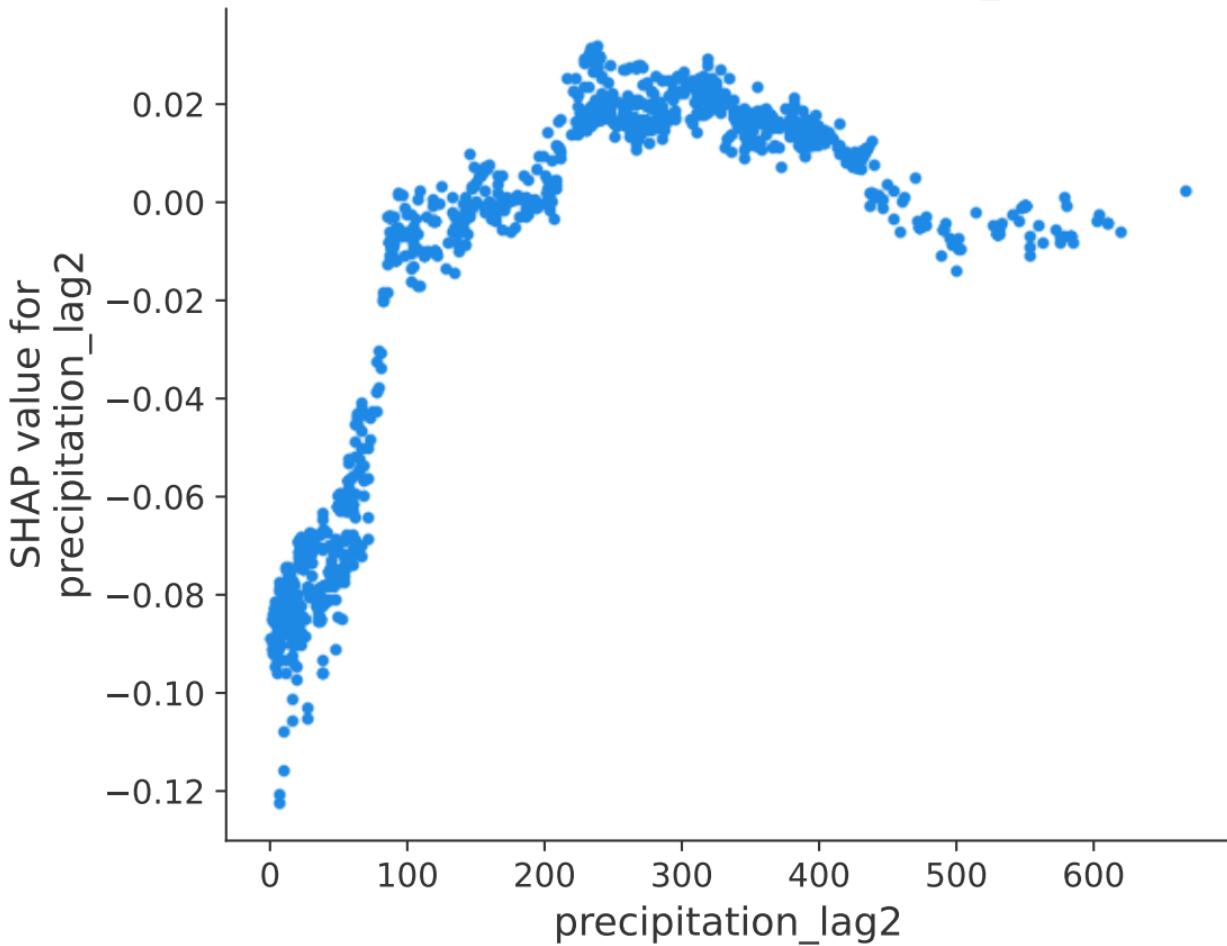
SHAP Dependence Plot for evaporative_stress_index_lag1 - Java



SHAP Dependence Plot for ANOM3.4_lag3 - Java



SHAP Dependence Plot for precipitation_lag2 - Java



SHAP Beeswarm Plot - Sumatra

High

Feature value

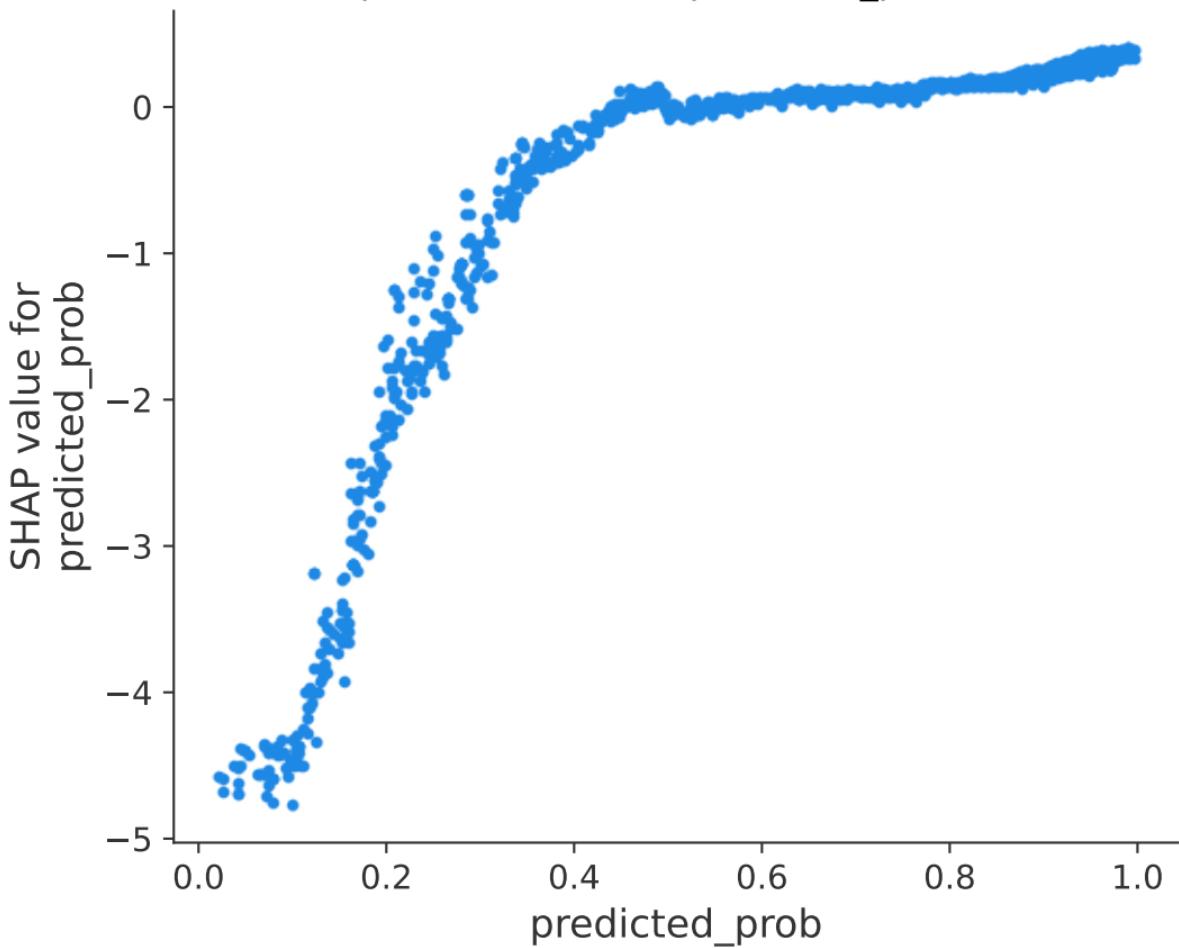
Low

SHAP value (impact on model output)

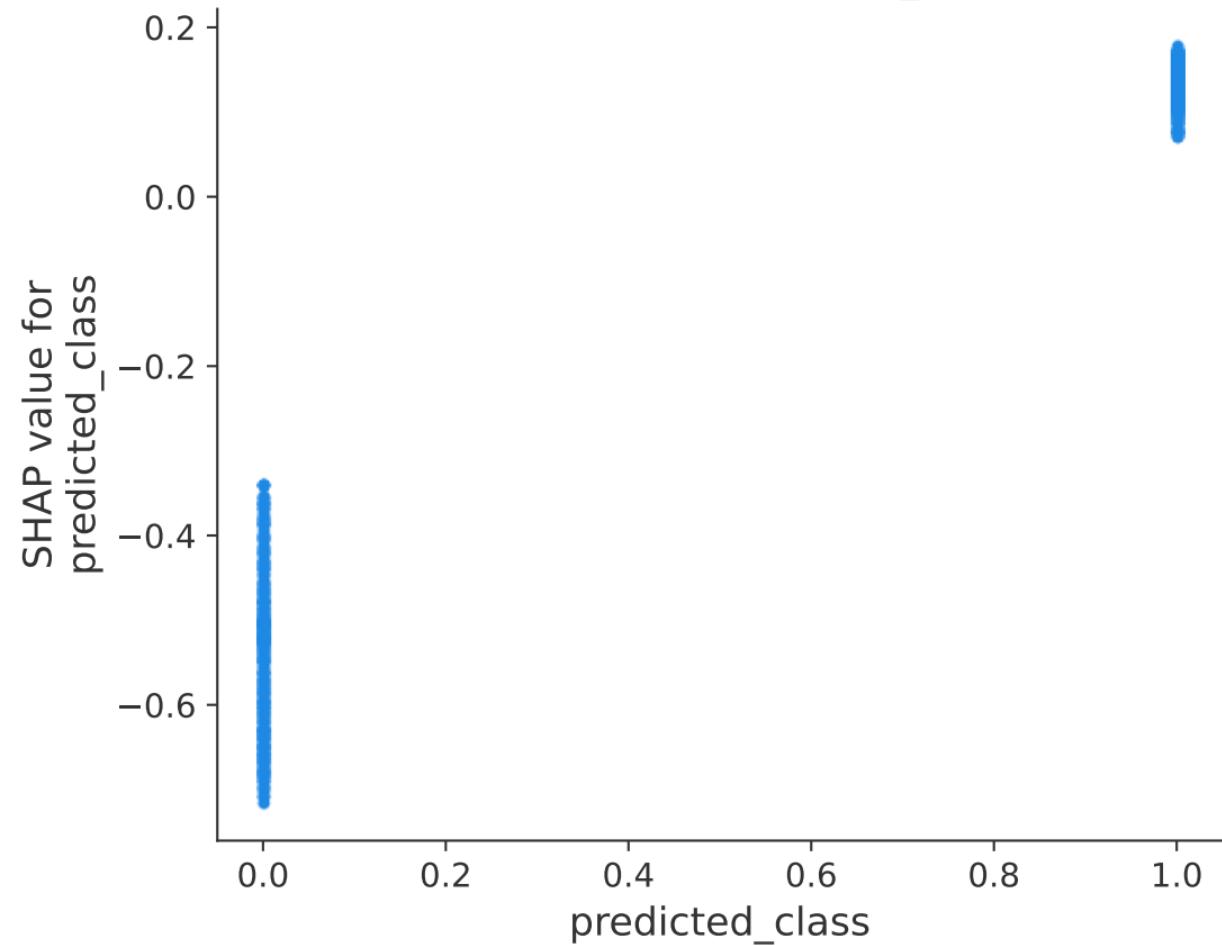
predicted_prob
predicted_class
temperature_2m_max
temperature_2m_min_lag3
temperature_2m_max_lag1
temperature_2m_min_lag2
temperature_2m_max_lag2
temperature_2m_min_lag1
temperature_2m_min
temperature_2m_lag3
temperature_2m_max_lag3
total_evaporation_sum_lag2
total_evaporation_sum_lag1
temperature_2m
total_evaporation_sum
precipitation_lag3
aridity_index_lag3
temperature_2m_min_ANOM
DMI
temperature_2m_lag1



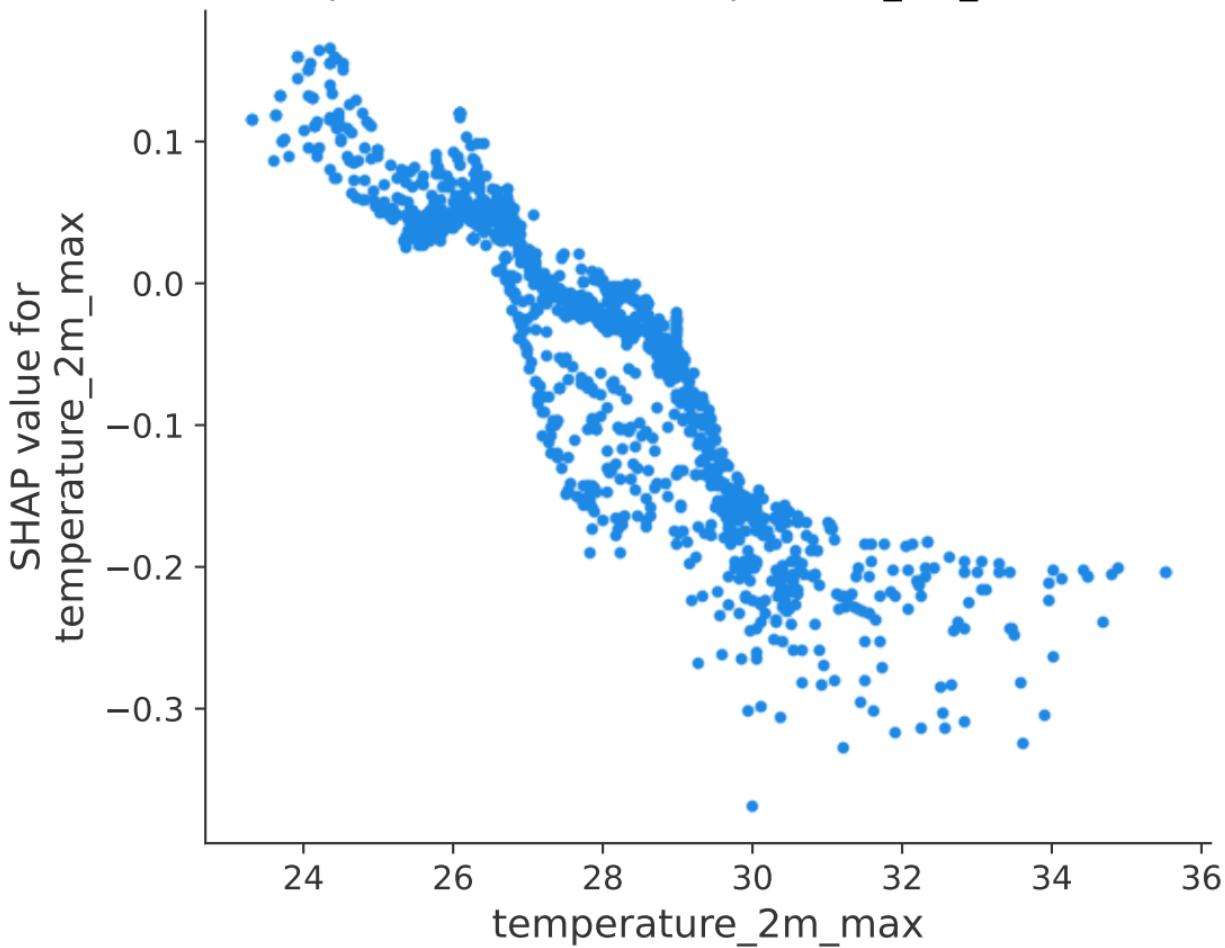
SHAP Dependence Plot for predicted_prob - Sumatra



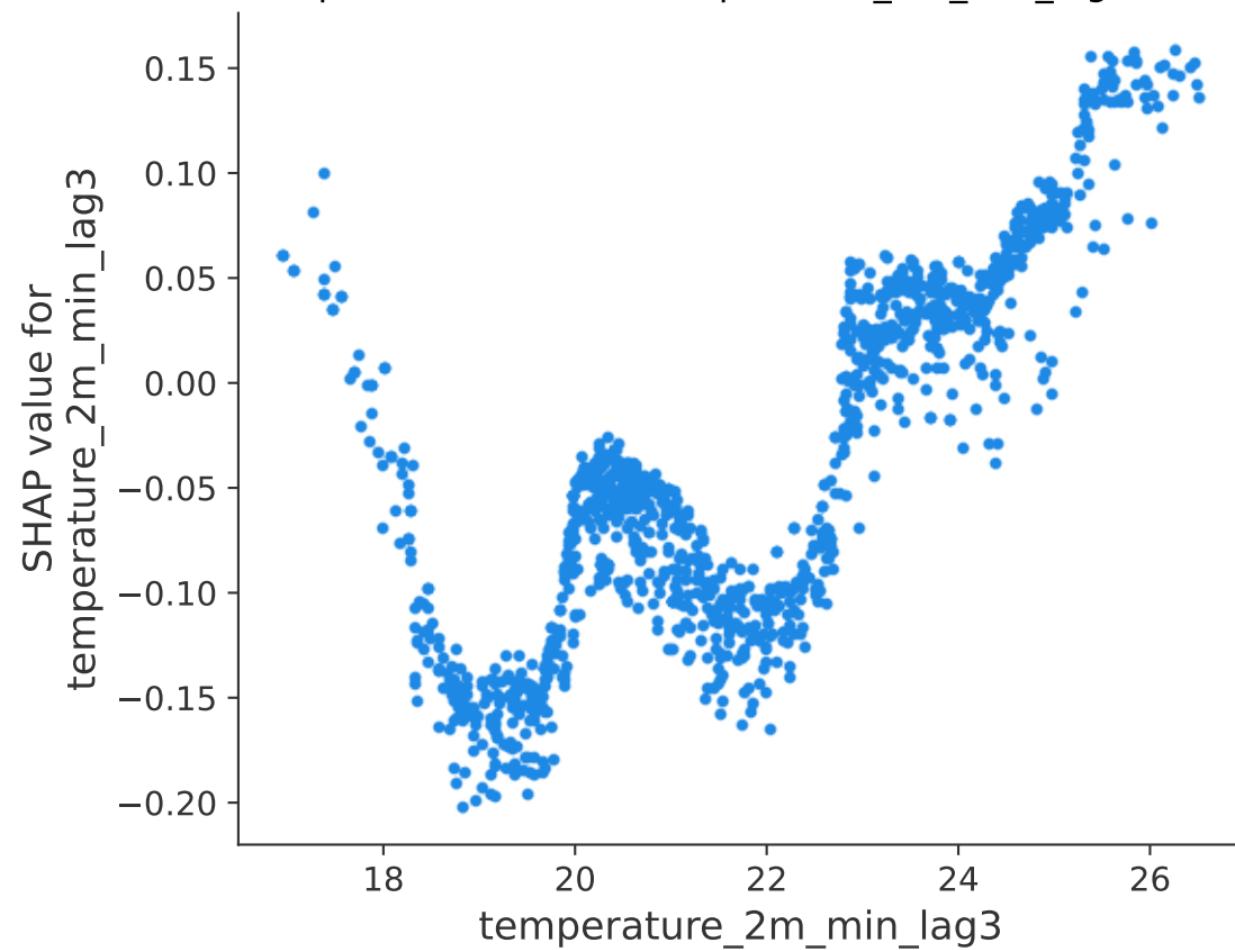
SHAP Dependence Plot for predicted_class - Sumatra



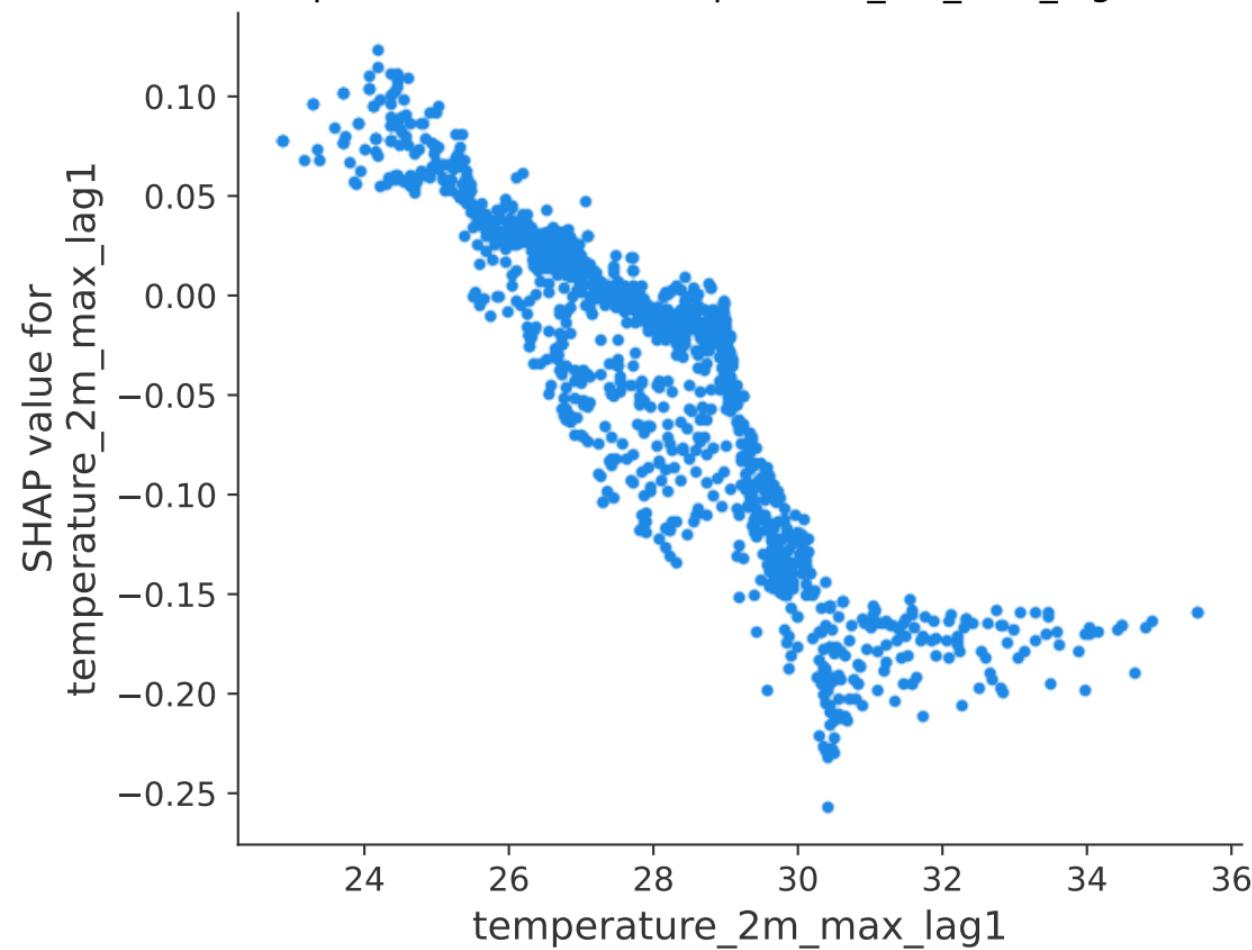
SHAP Dependence Plot for temperature_2m_max - Sumatra



SHAP Dependence Plot for temperature_2m_min_lag3 - Sumatra



SHAP Dependence Plot for temperature_2m_max_lag1 - Sumatra



SHAP Beeswarm Plot - Sulawesi

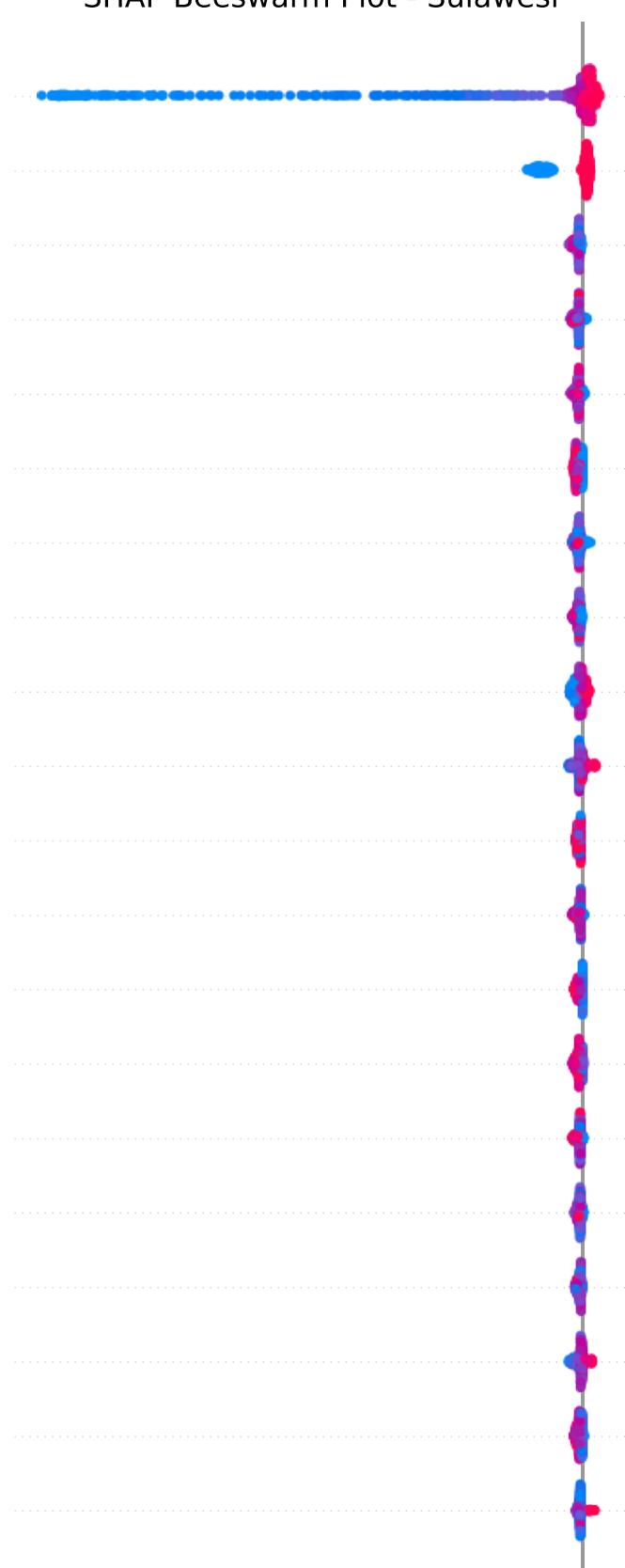
High

Feature value

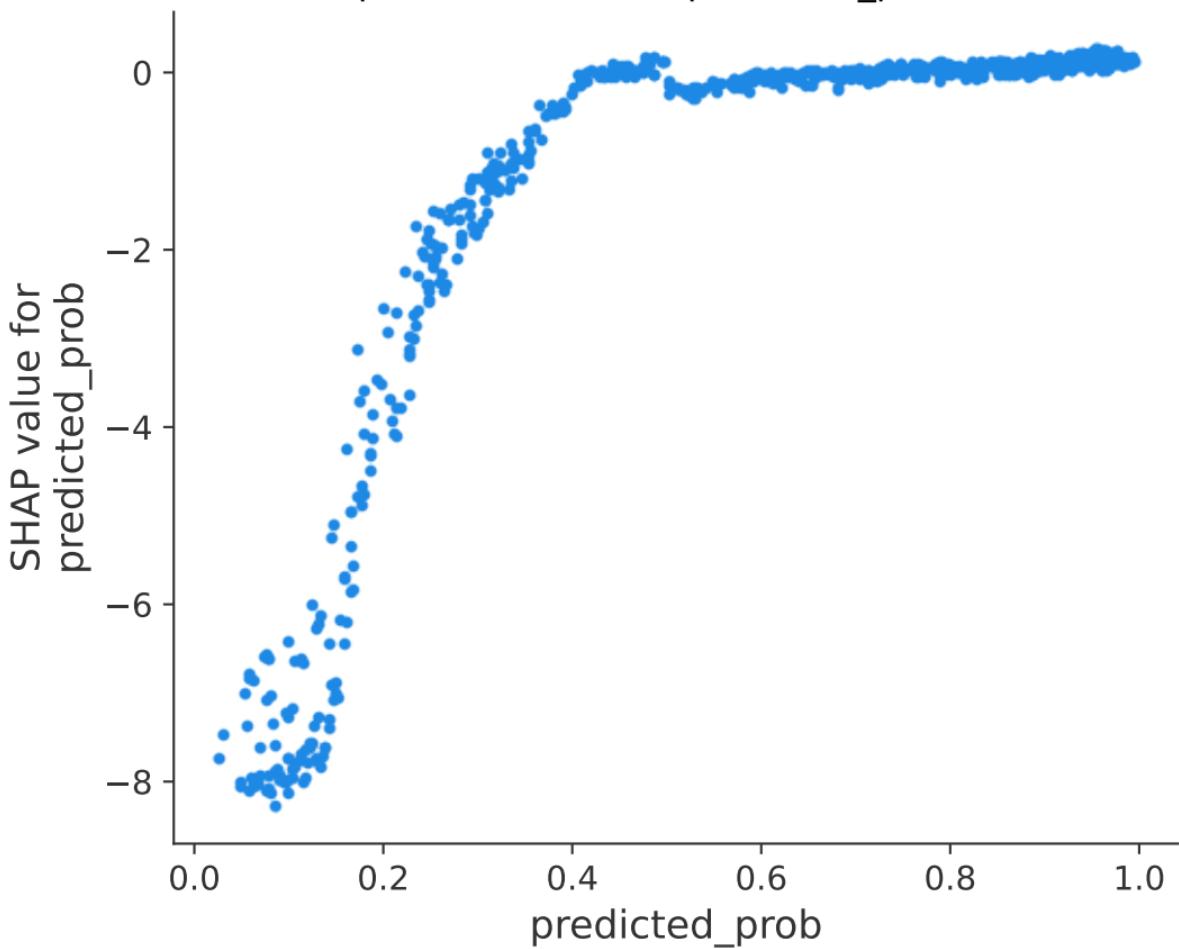
Low

predicted_prob
predicted_class
temperature_2m_ANOM
temperature_2m_ANOM_lag2
temperature_2m_min_ANOM
DMI
temperature_2m_max_ANOM_lag2
temperature_2m_max_ANOM
temperature_2m_max_lag3
temperature_2m_max
ANOM3
temperature_2m_min_ANOM_lag1
DMI_lag1
temperature_2m_max_ANOM_lag3
temperature_2m_min_ANOM_lag2
temperature_2m_max_ANOM_lag1
temperature_2m_ANOM_lag1
temperature_2m_max_lag1
temperature_2m_ANOM_lag3
potential_evaporation_sum

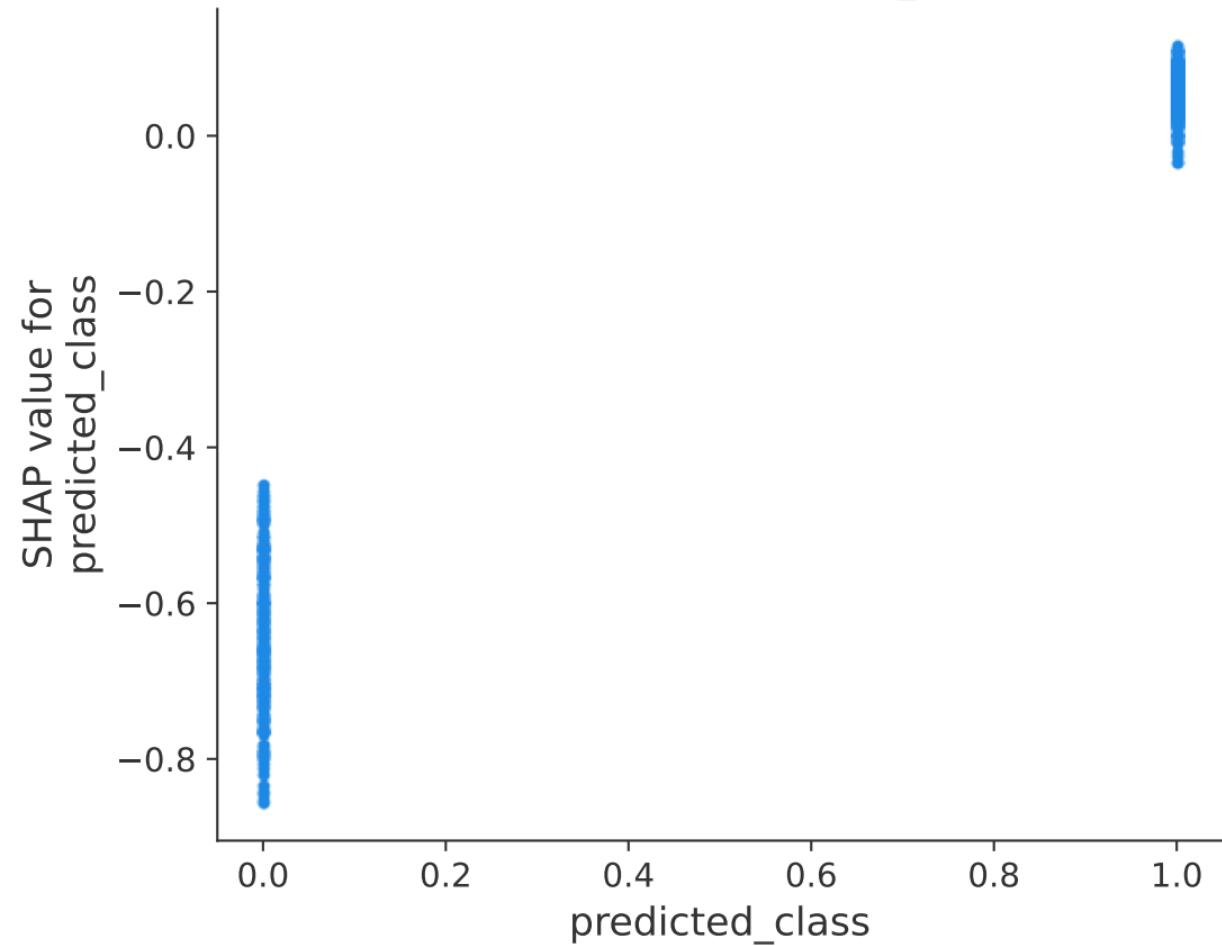
-8 -6 -4 -2 0 SHAP value (impact on model output)



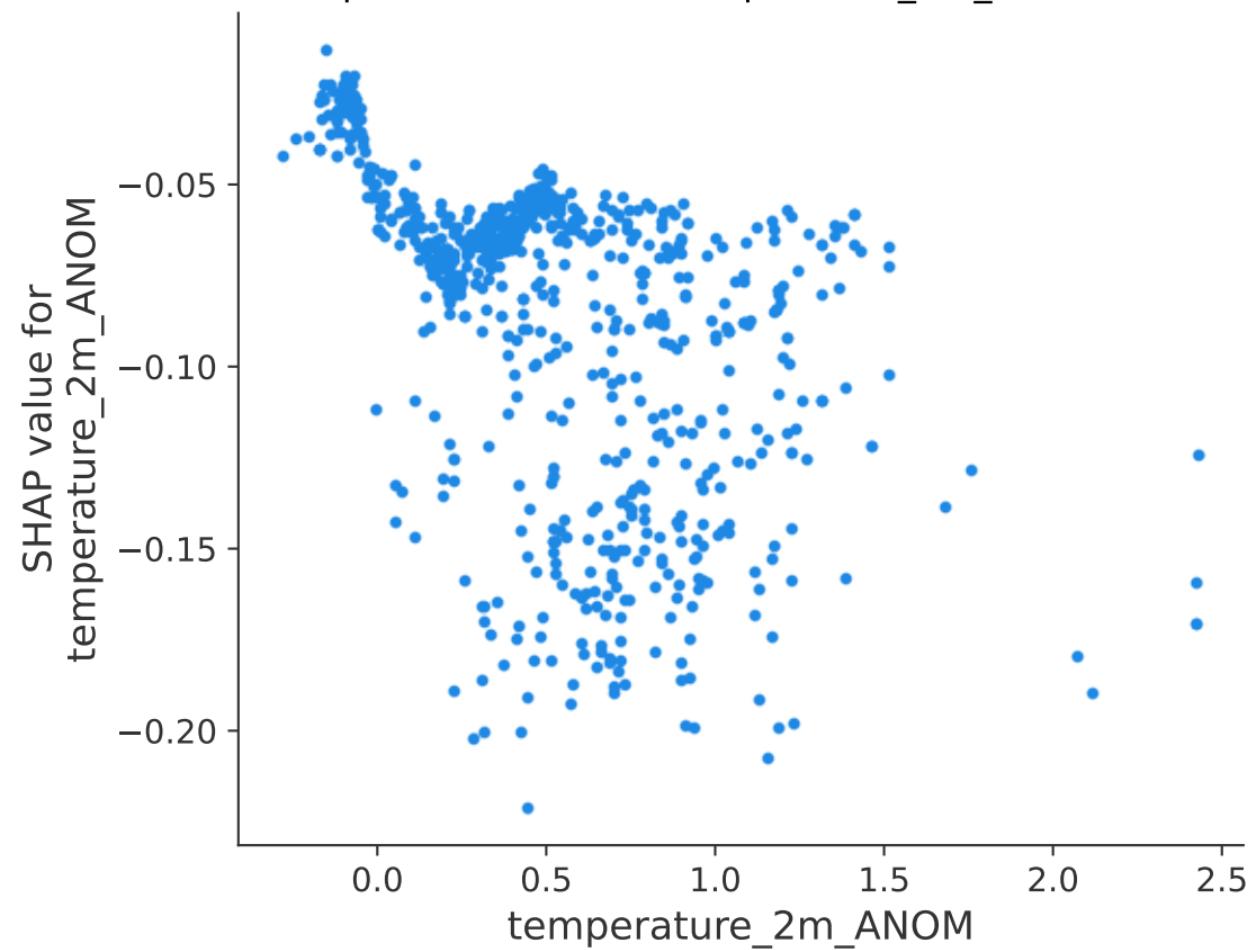
SHAP Dependence Plot for predicted_prob - Sulawesi



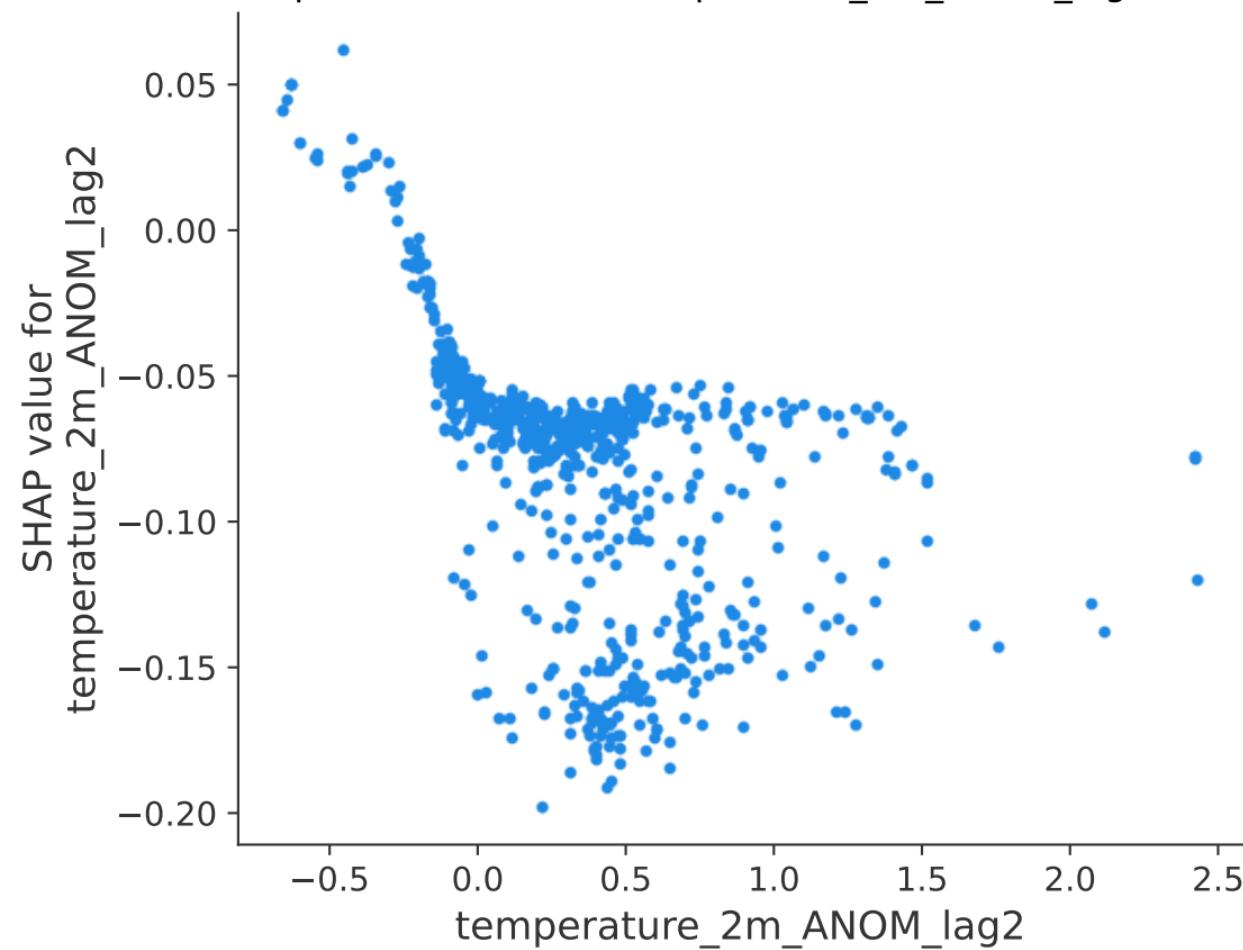
SHAP Dependence Plot for predicted_class - Sulawesi



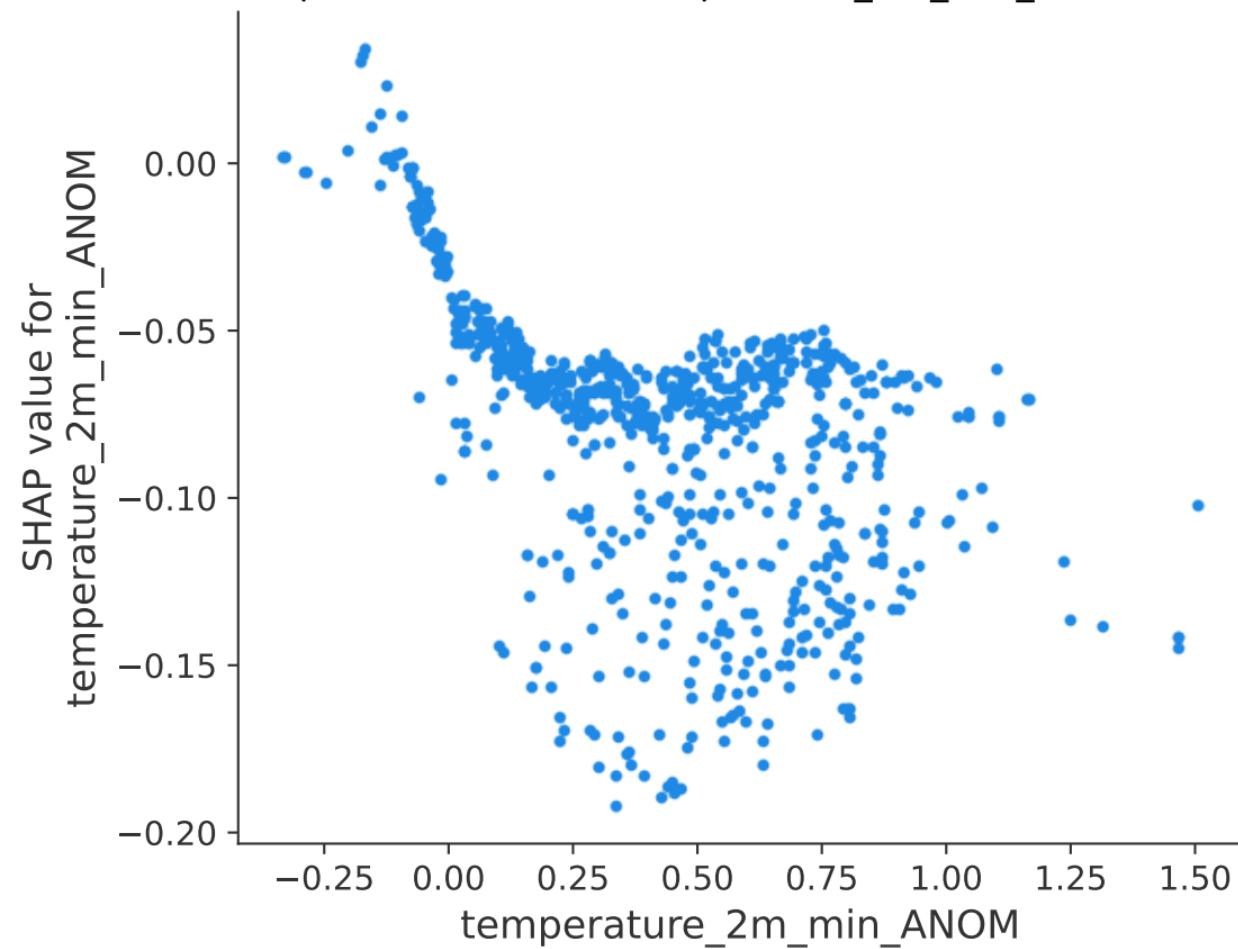
SHAP Dependence Plot for temperature_2m_ANOM - Sulawesi



SHAP Dependence Plot for temperature_2m_ANOM_lag2 - Sulawesi



SHAP Dependence Plot for temperature_2m_min_ANOM - Sulawesi



SHAP Beeswarm Plot - Maluku-Papua

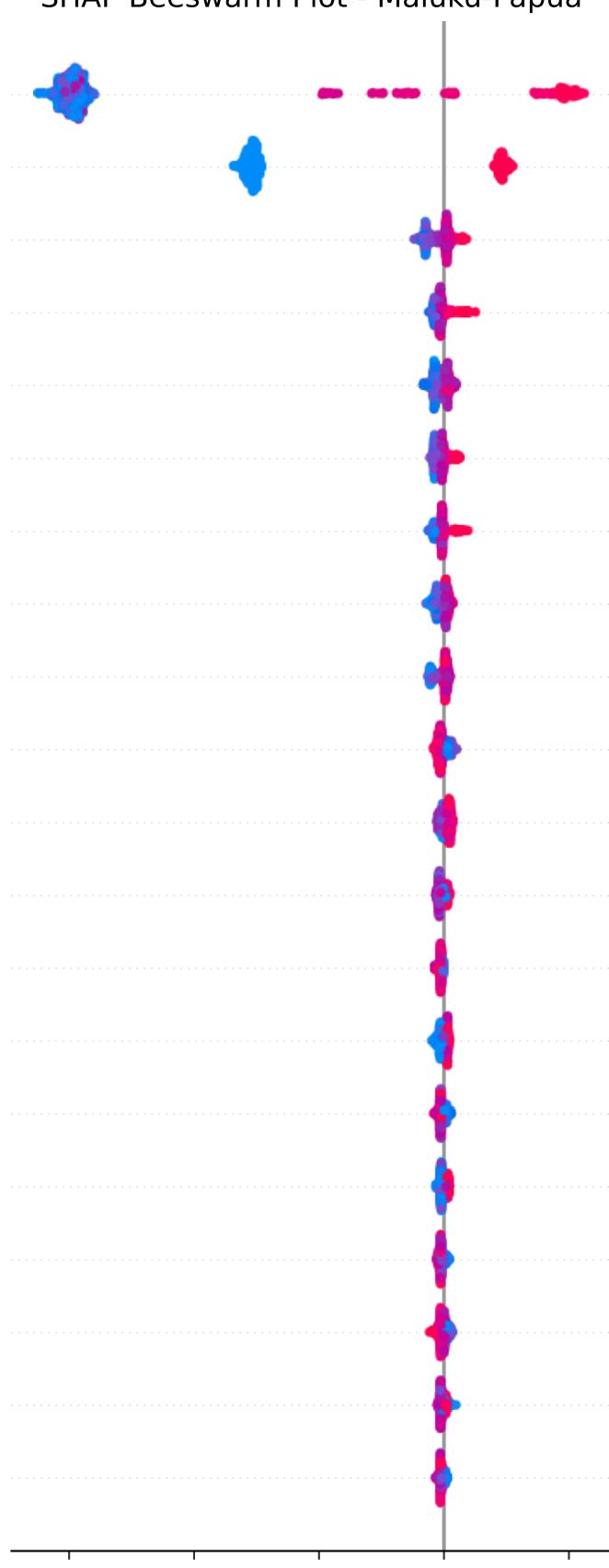
High

Feature value

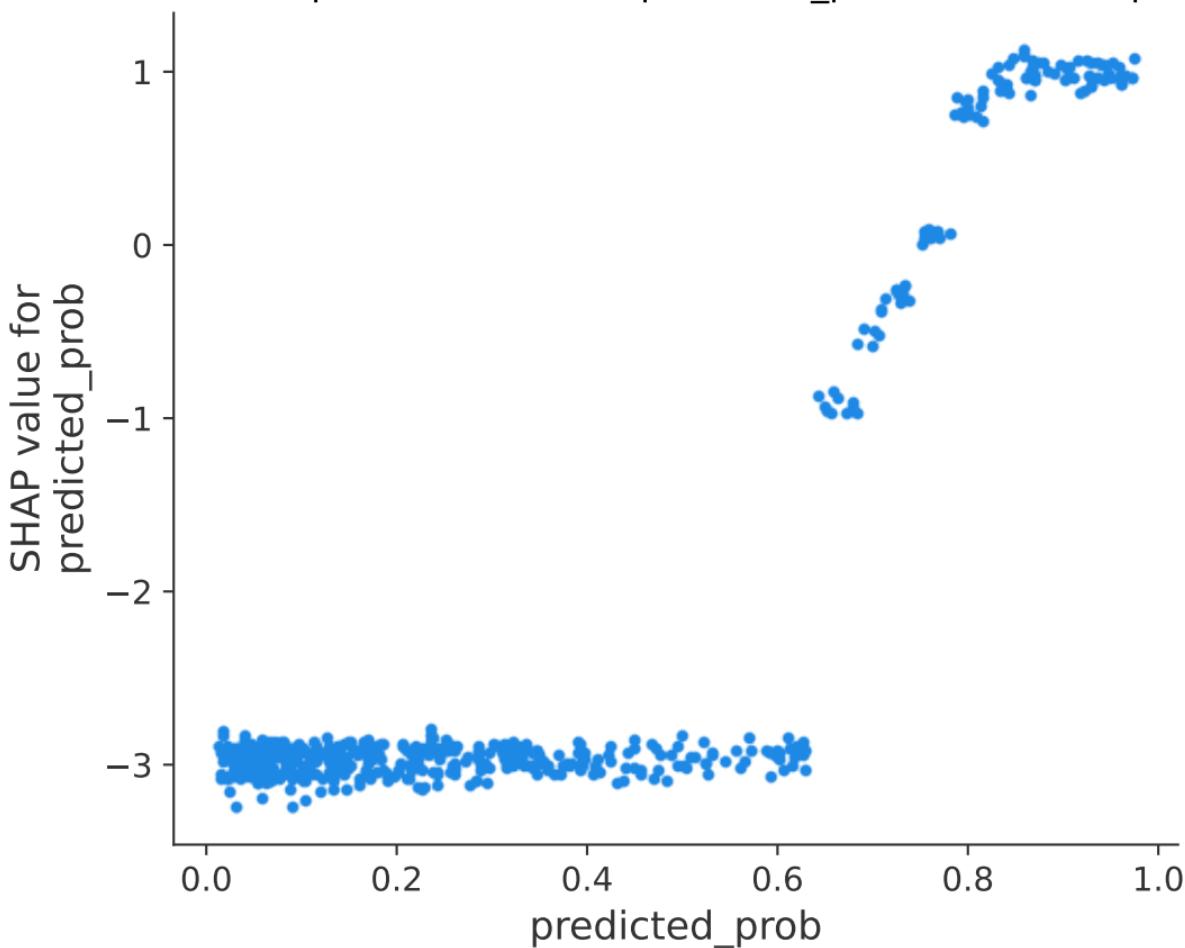
Low

SHAP value (impact on model output)

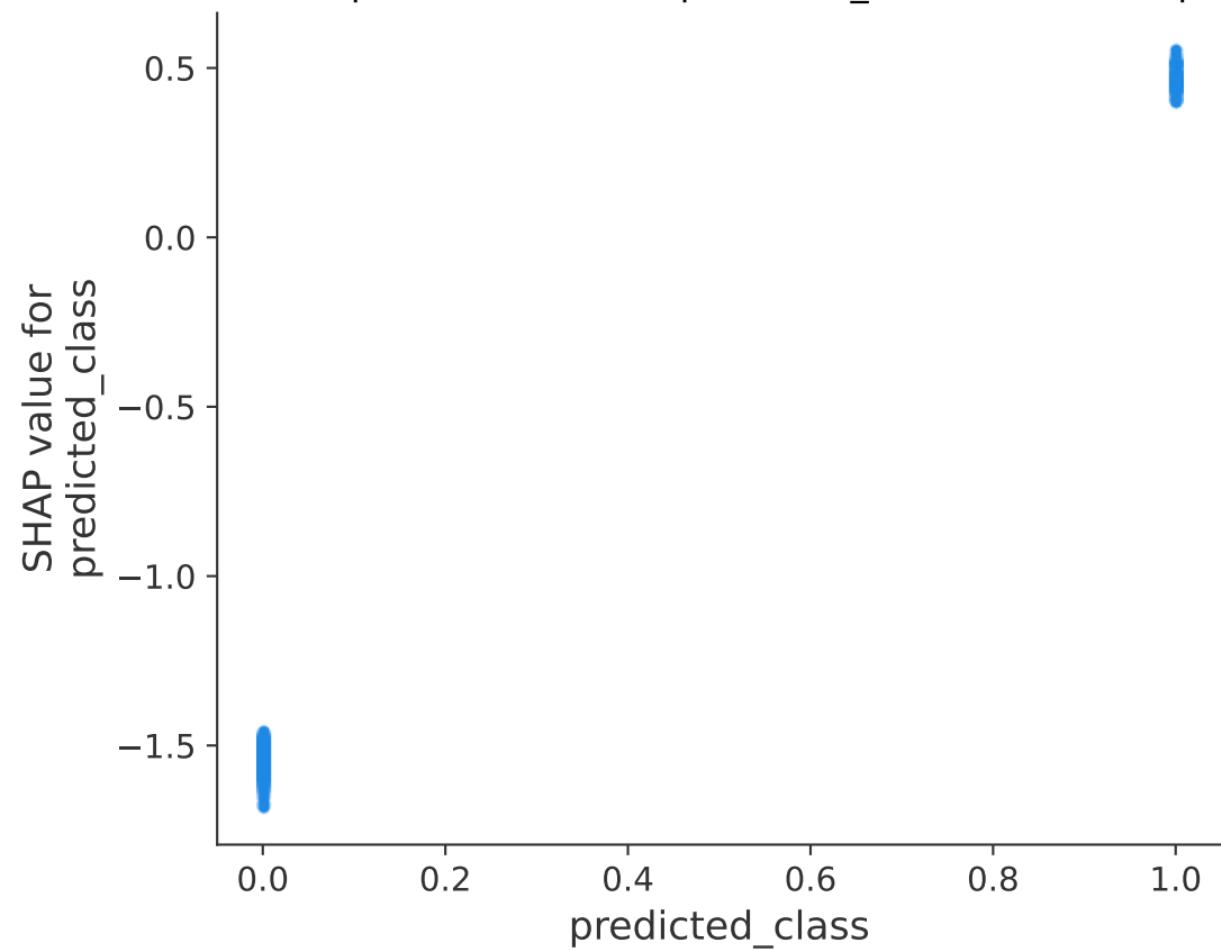
predicted_prob
predicted_class
temperature_2m_max_lag3
temperature_2m_max_lag1
precipitation
temperature_2m_max_lag2
temperature_2m_max
precipitation_lag1
temperature_2m_lag3
evaporative_stress_index_lag1
DMI_lag3
total_evaporation_sum_lag1
ANOM1+2
ANOM3_lag3
temperature_2m_max_ANOM_lag2
ANOM3.4_lag3
temperature_2m_max_ANOM
evaporative_stress_index
total_evaporation_sum
temperature_2m_ANOM_lag2



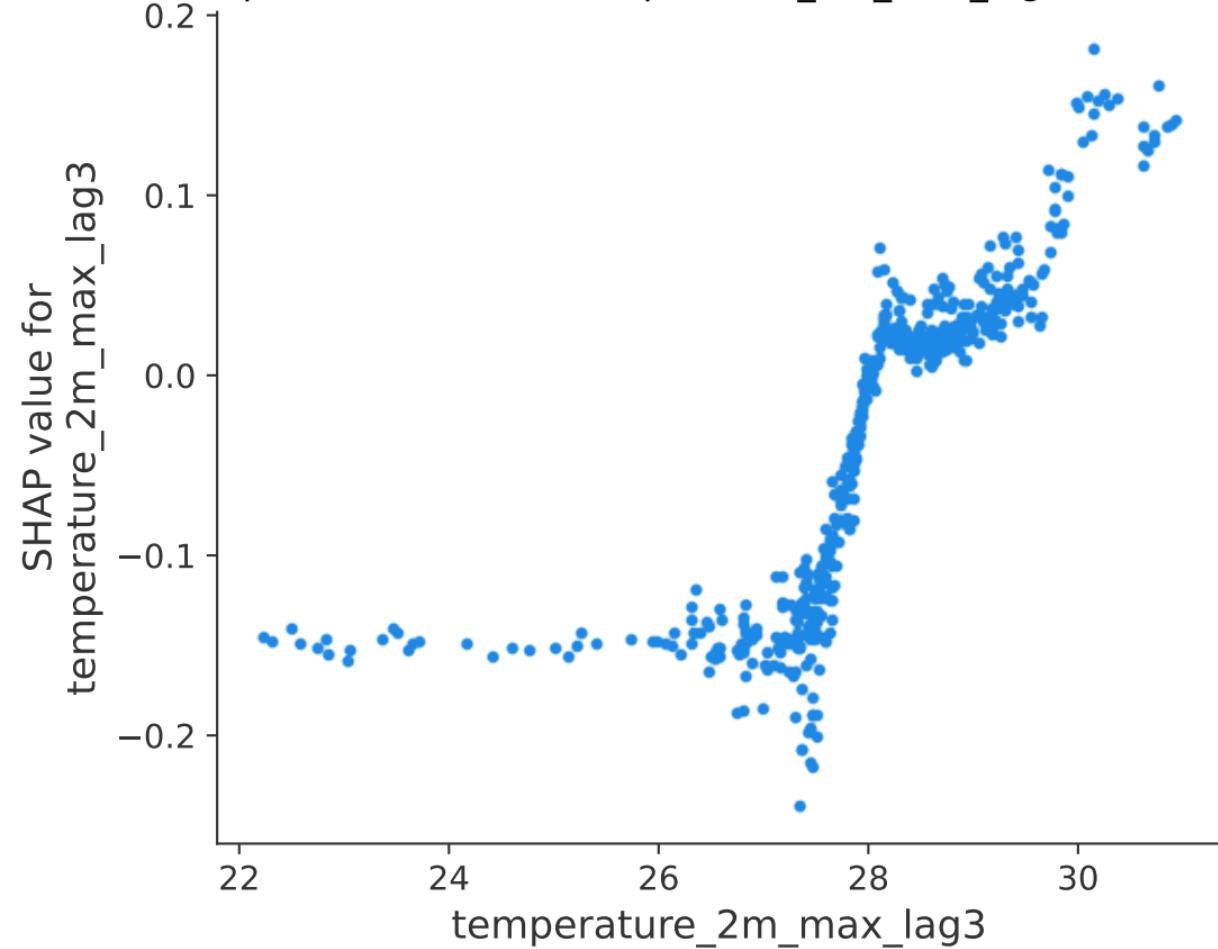
SHAP Dependence Plot for predicted_prob - Maluku-Papua



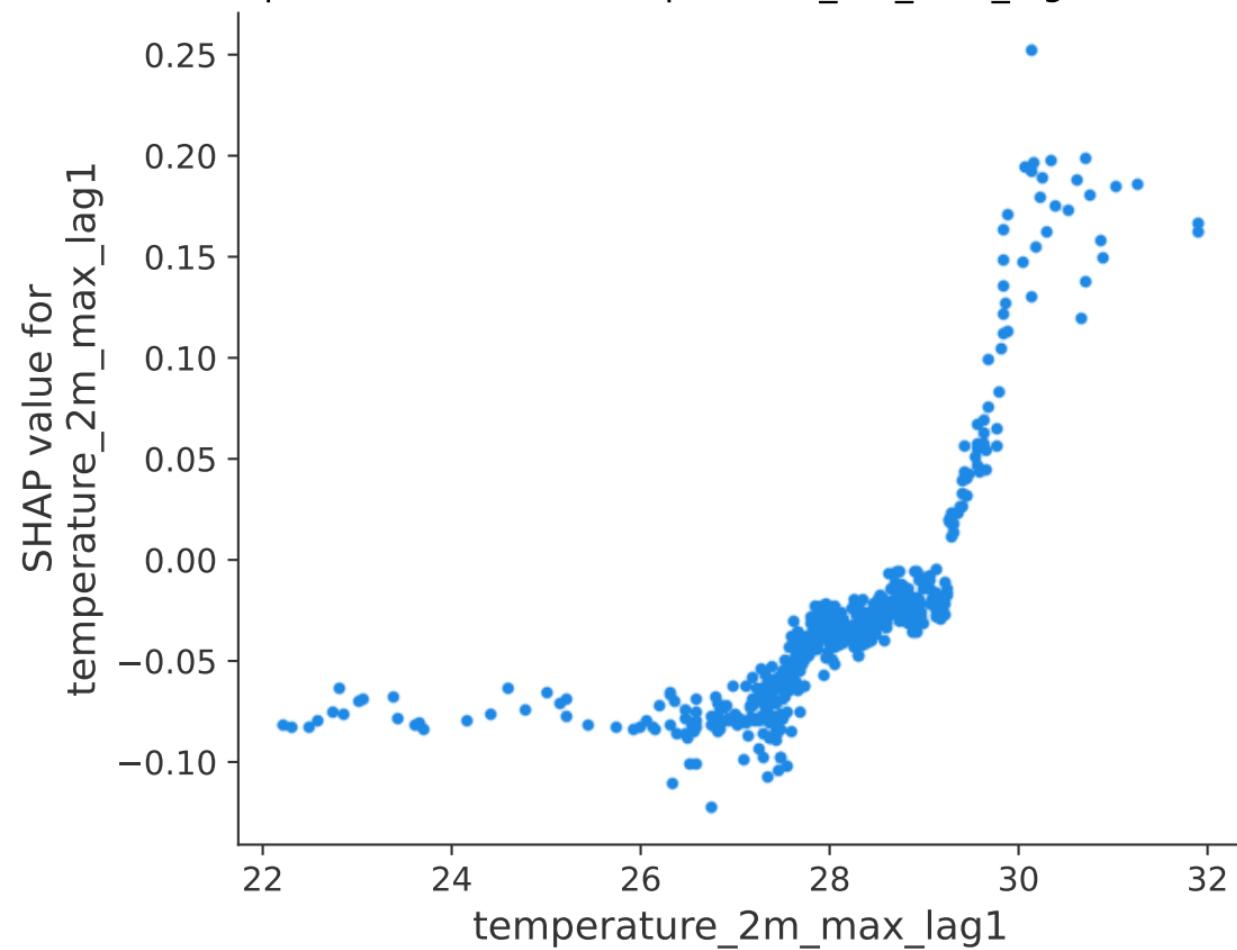
SHAP Dependence Plot for predicted_class - Maluku-Papua



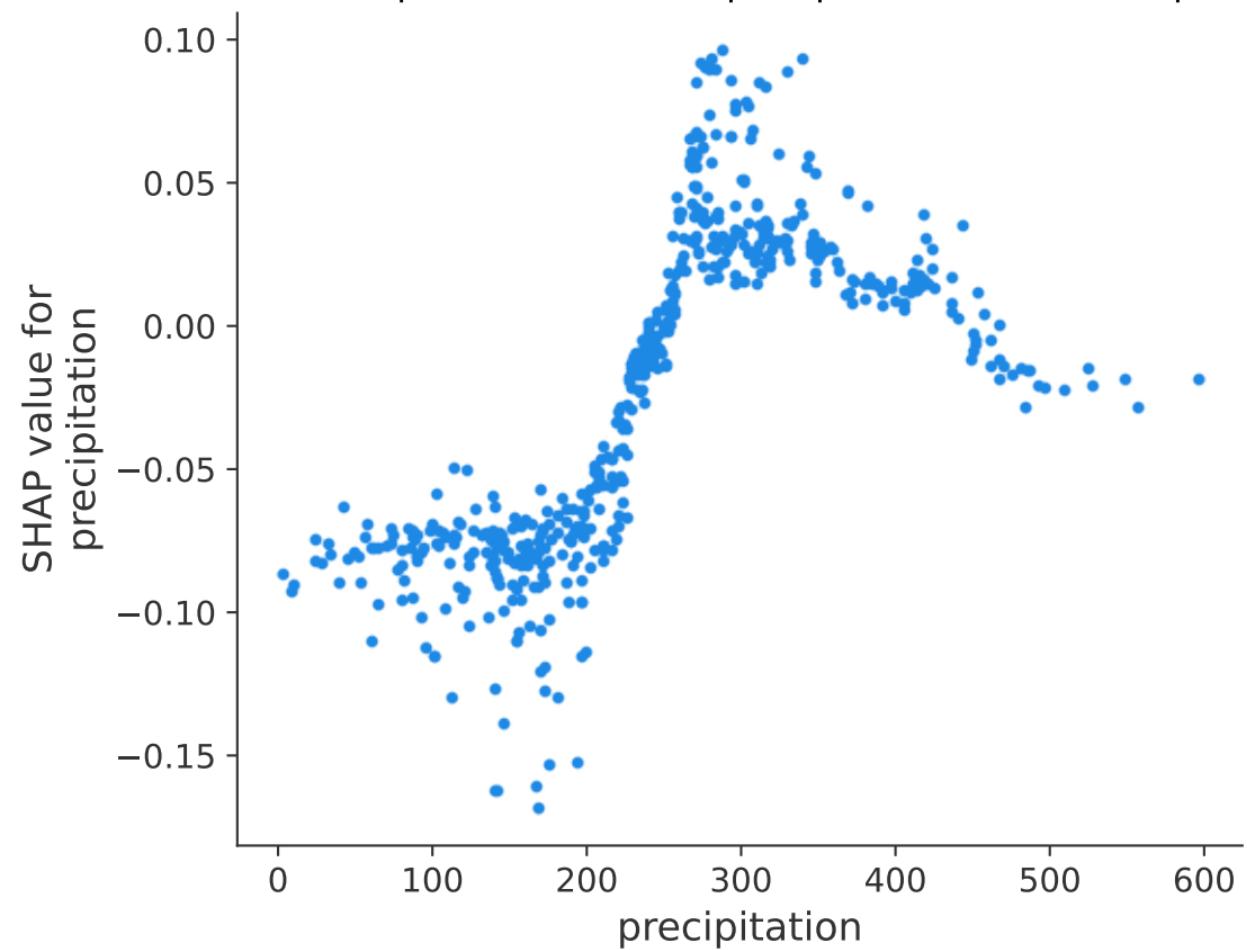
SHAP Dependence Plot for temperature_2m_max_lag3 - Maluku-Papua



SHAP Dependence Plot for temperature_2m_max_lag1 - Maluku-Papua



SHAP Dependence Plot for precipitation - Maluku-Papua

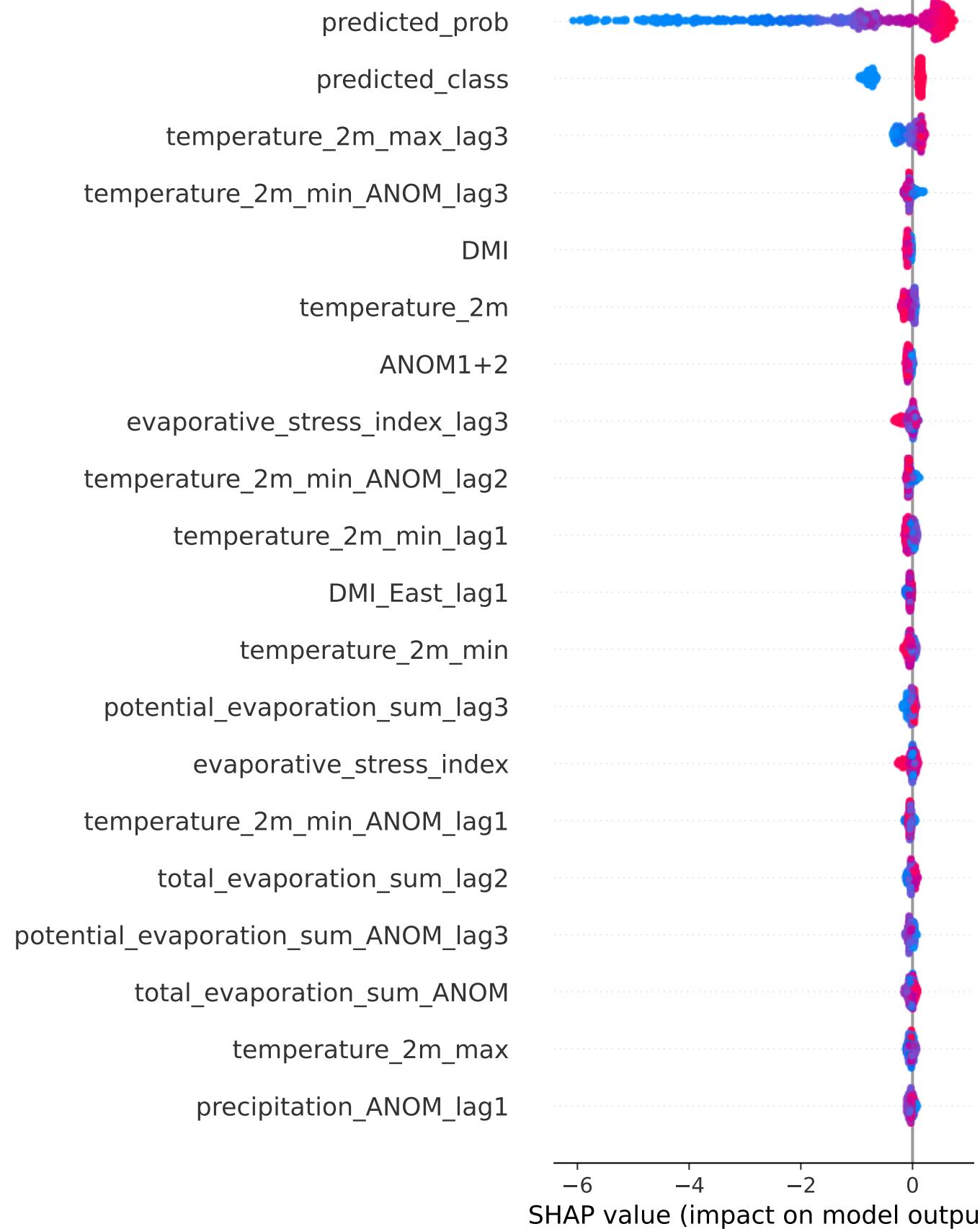


SHAP Beeswarm Plot - Kalimantan

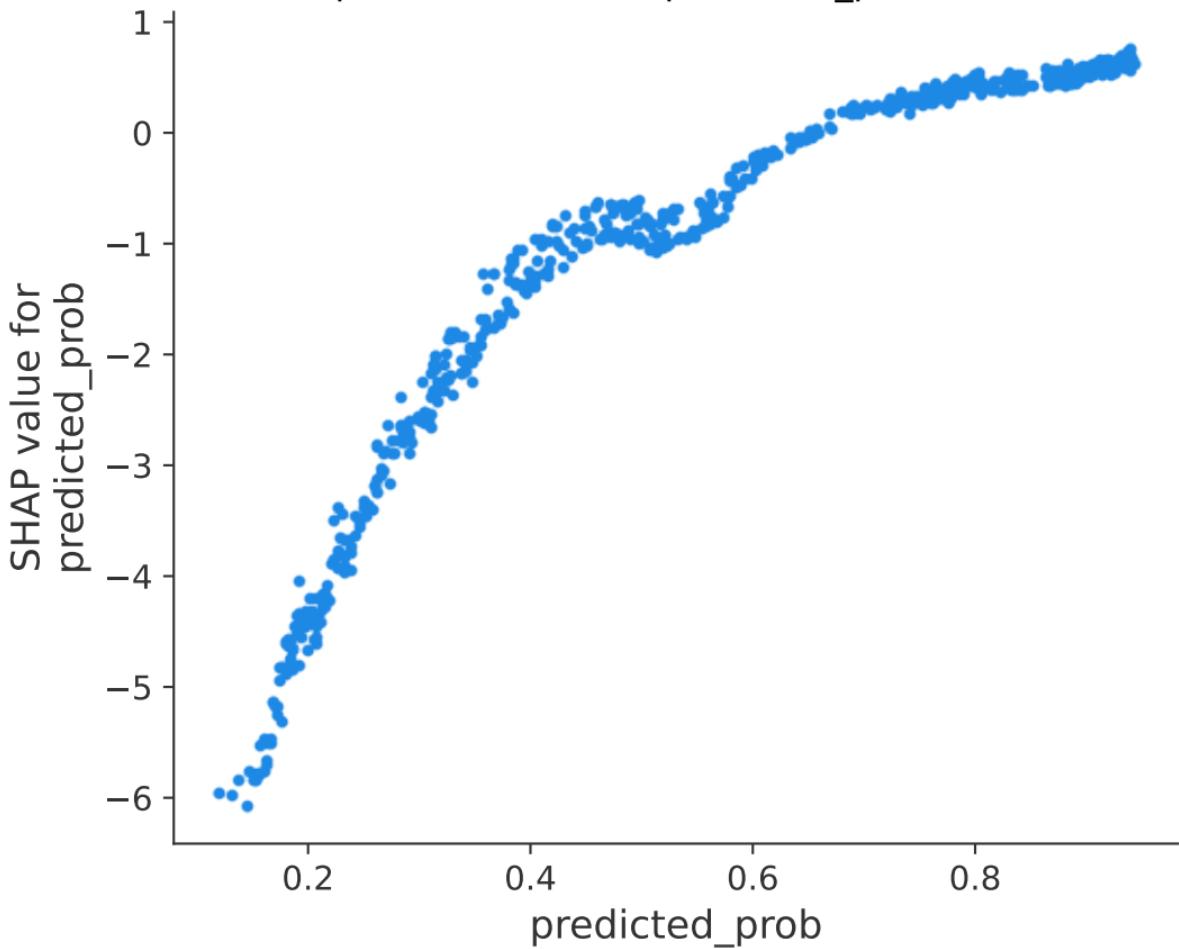
High

Feature value

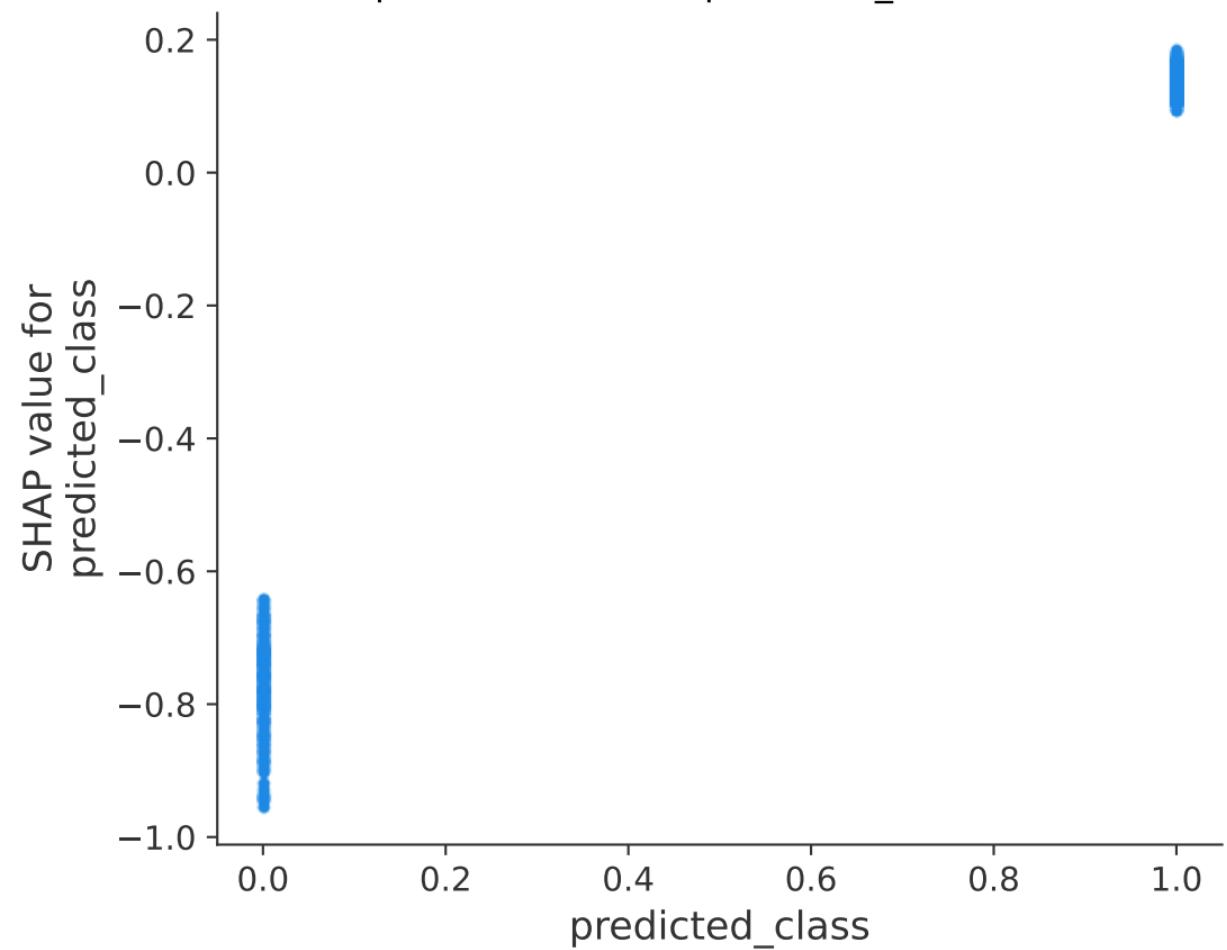
Low



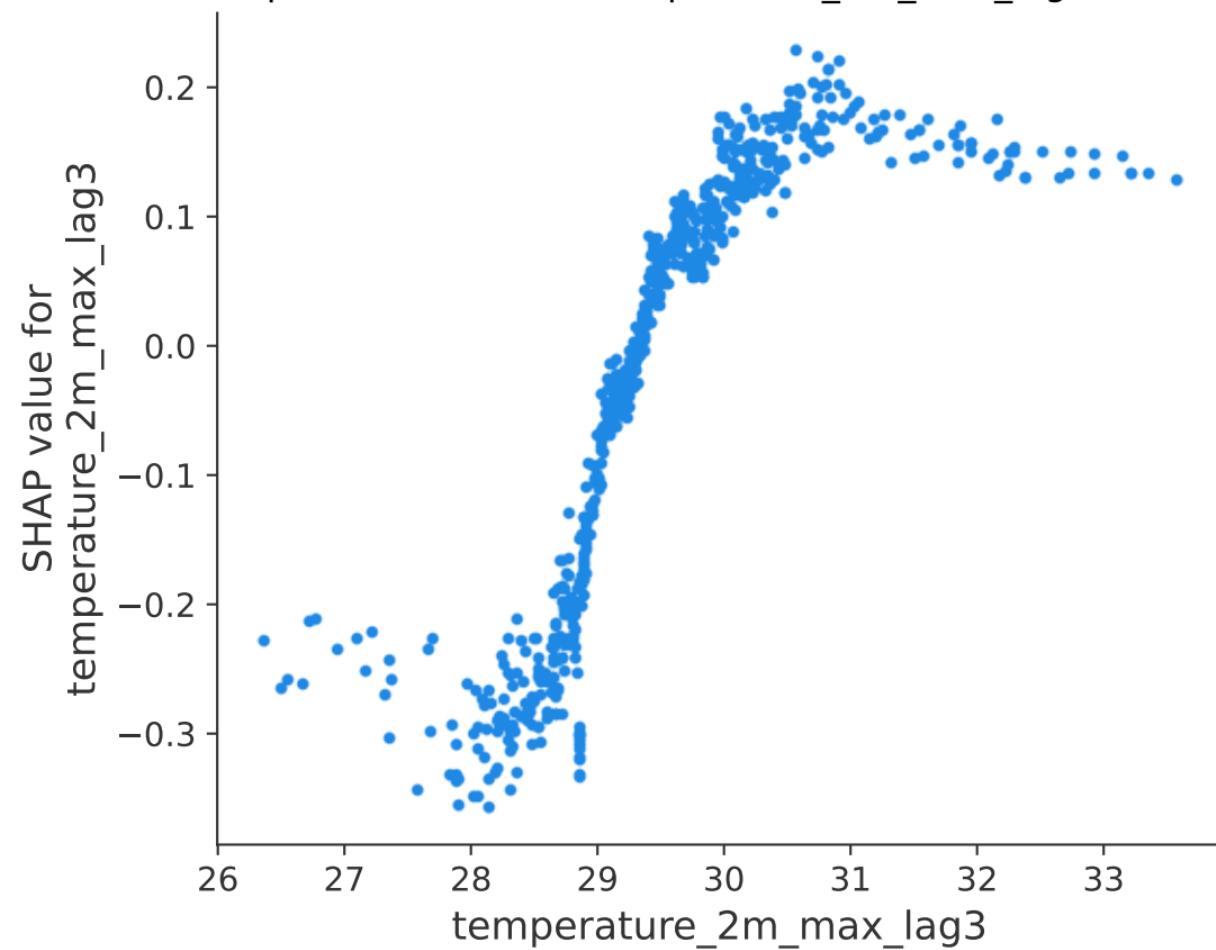
SHAP Dependence Plot for predicted_prob - Kalimantan



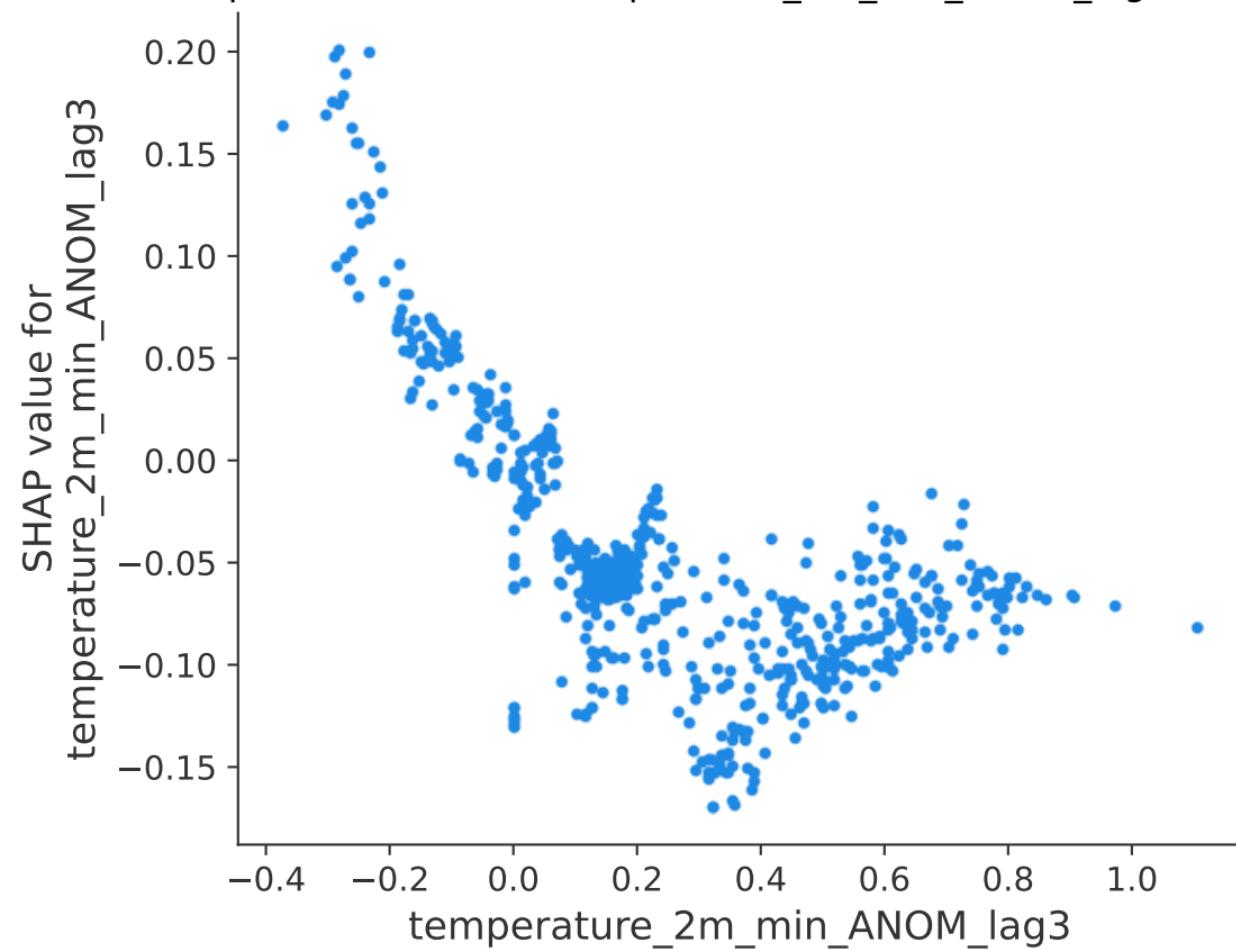
SHAP Dependence Plot for predicted_class - Kalimantan



SHAP Dependence Plot for temperature_2m_max_lag3 - Kalimantan



SHAP Dependence Plot for temperature_2m_min_ANOM_lag3 - Kalimantan



SHAP Dependence Plot for DMI - Kalimantan

