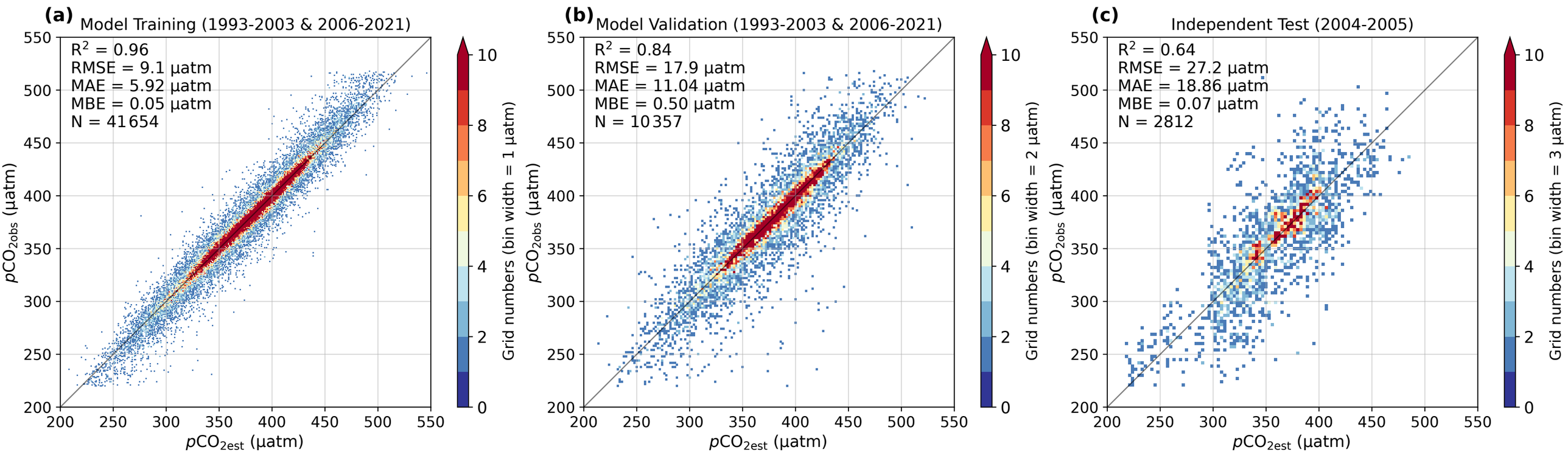
(a)
Model Training (1993-2003 & 2006-2021)
R² = 0.96
RMSE = 9.1 µatm
MAE = 5.92 µatm
MBE = 0.05 µatm
N = 41654
pCO2obs (µatm)
pCO2est (µatm)
Grid numbers (bin width = 1 µatm)
(b)
Model Validation (1993-2003 & 2006-2021)
R² = 0.84
RMSE = 17.9 µatm
MAE = 11.04 µatm
MBE = 0.50 µatm
N = 10357
pCO2obs (µatm)
pCO2est (µatm)
Grid numbers (bin width = 2 µatm)
(c)
Independent Test (2004-2005)
R² = 0.64
RMSE = 27.2 µatm
MAE = 18.86 µatm
MBE = 0.07 µatm
N = 2812
pCO2obs (µatm)
pCO2est (µatm)
Grid numbers (bin width = 3 µatm)