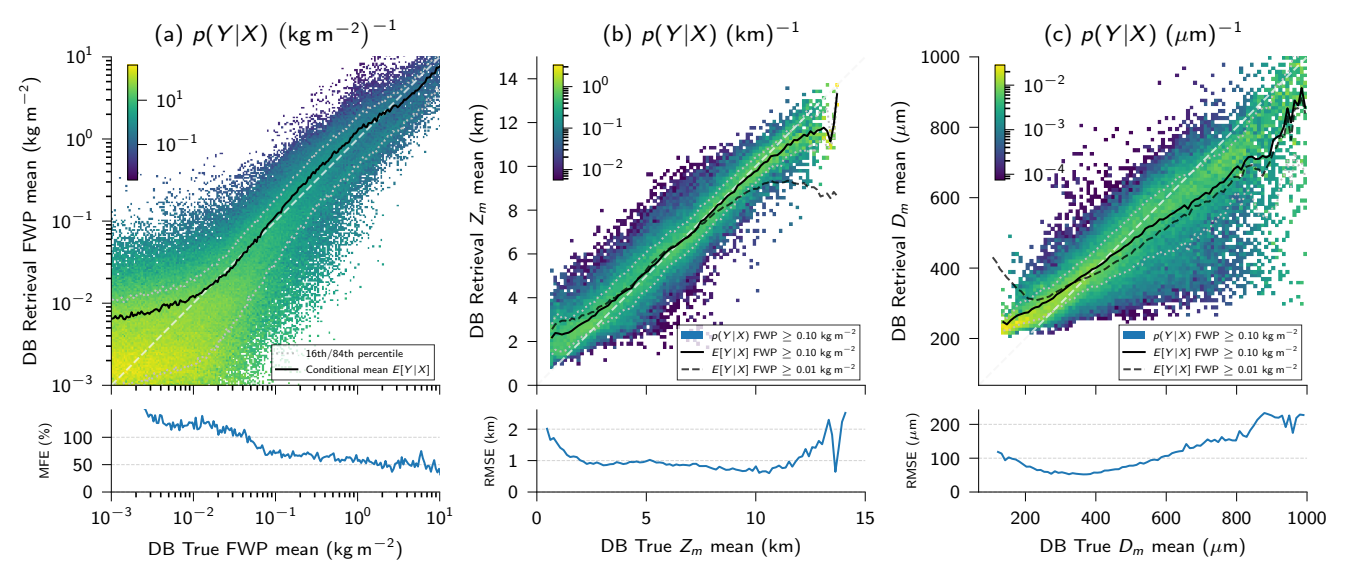
(a) $p(Y|X)$ $(\mathrm{kg\,m^{-2}})^{-1}$
DB Retrieval FWP mean ($\mathrm{kg\,m^{-2}}$)
16th/84th percentile
Conditional mean $E[Y|X]$
MFE (%)
DB True FWP mean ($\mathrm{kg\,m^{-2}}$)
(b) $p(Y|X)$ $(\mathrm{km})^{-1}$
DB Retrieval Z_m mean (km)
$p(Y|X)$ FWP ≥ 0.10 $\mathrm{kg\,m^{-2}}$
$E[Y|X]$ FWP ≥ 0.10 $\mathrm{kg\,m^{-2}}$
$E[Y|X]$ FWP ≥ 0.01 $\mathrm{kg\,m^{-2}}$
RMSE (km)
DB True Z_m mean (km)
(c) $p(Y|X)$ $(\mu\mathrm{m})^{-1}$
DB Retrieval D_m mean (μm)
$p(Y|X)$ FWP ≥ 0.10 $\mathrm{kg\,m^{-2}}$
$E[Y|X]$ FWP ≥ 0.10 $\mathrm{kg\,m^{-2}}$
$E[Y|X]$ FWP ≥ 0.01 $\mathrm{kg\,m^{-2}}$
RMSE (μm)
DB True D_m mean (μm)