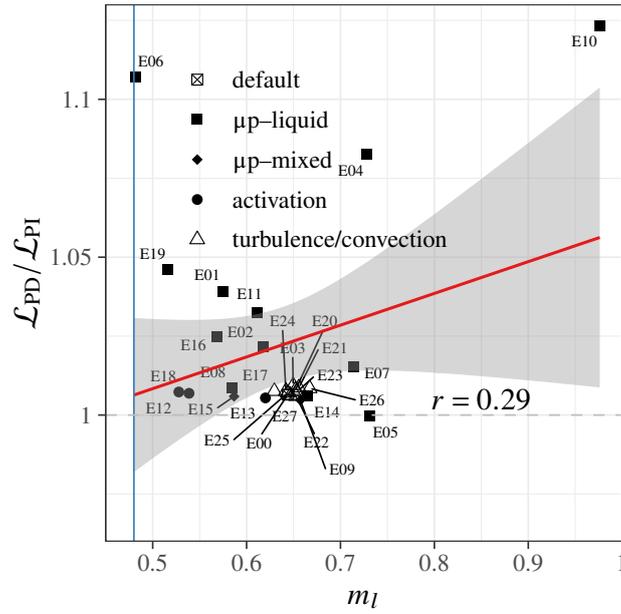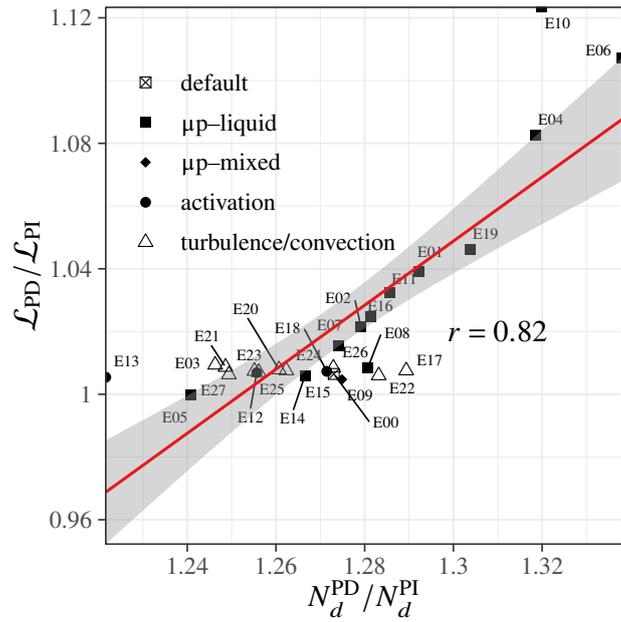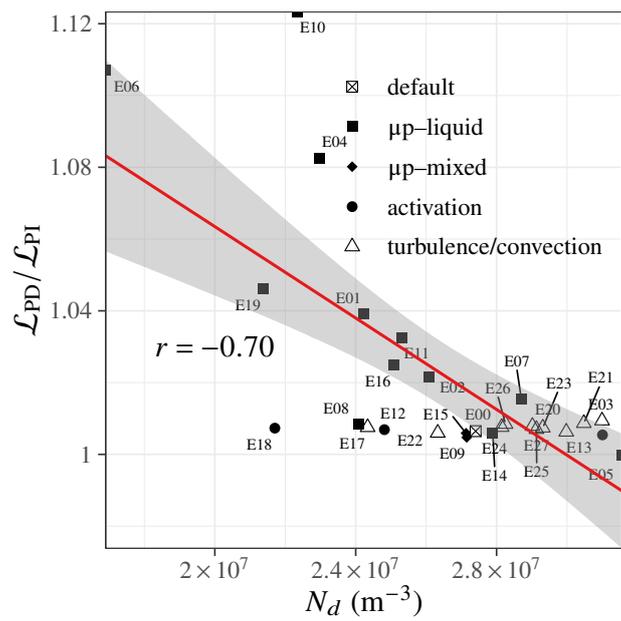# Supplemental information

Figure S1. Scatter of m_l and $\mathcal{L}_{\mathrm{PD}}/\mathcal{L}_{\mathrm{PI}}$. The satellite-derived value of m_l reported by Gryspeerdt et al. (2019) is indicated as a vertical line.

Figure S2. Scatter of $N_d^{\mathrm{PD}}/N_d^{\mathrm{PI}}$ and $\mathcal{L}_{\mathrm{PD}}/\mathcal{L}_{\mathrm{PI}}$

Figure S3. Scatter of N_d^{PD} and $\mathcal{L}_{PD}/\mathcal{L}_{PI}$