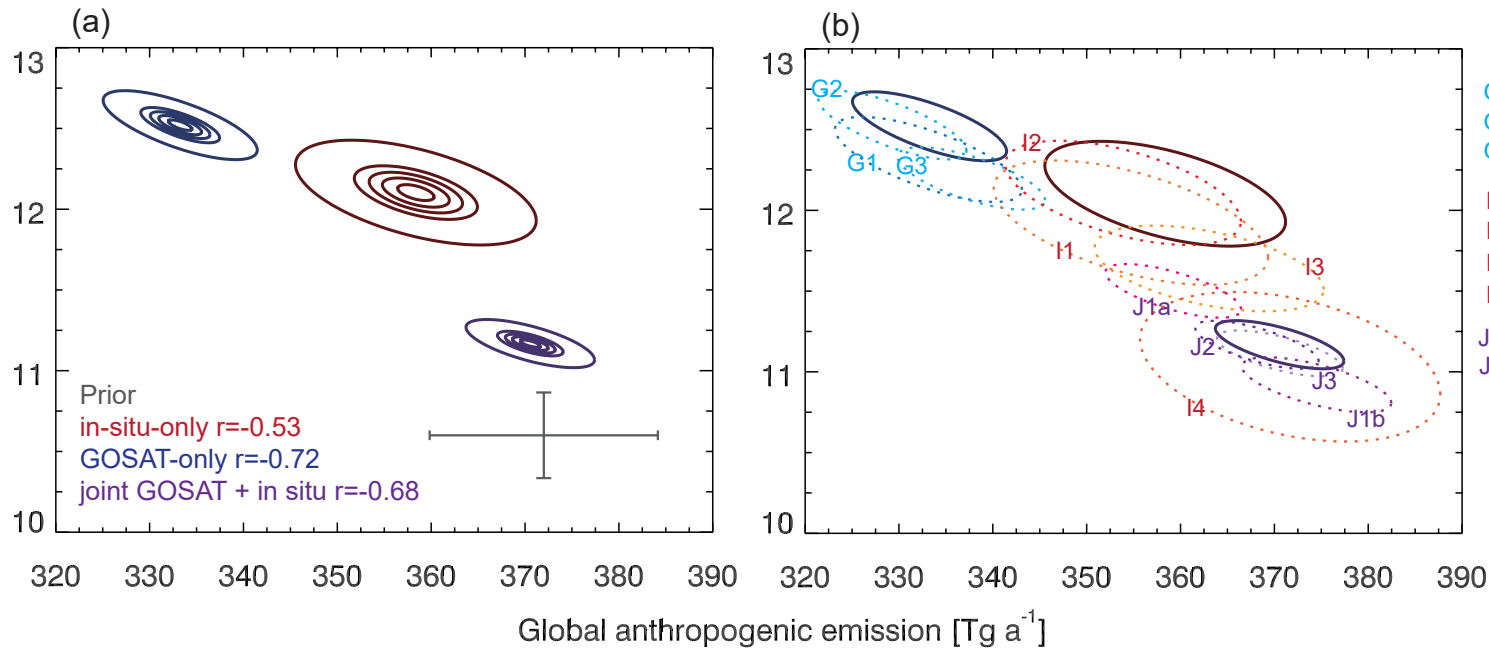


Joint PDFs of anthropogenic emission and methane lifetime

Methane lifetime vs. tropospheric OH [a]



- G1: GOSAT-only reduced γ ($r=-0.71$)
- G2: GOSAT-only reduced trend S_A ($r=-0.75$)
- G3: GOSAT-only reduced OH S_A ($r=-0.70$)
- I1: In-situ-only reduced γ ($r=-0.55$)
- I2: In-situ-only reduced trend S_A ($r=-0.55$)
- I3: In-situ-only reduced OH S_A ($r=-0.49$)
- I4: In situ surface and tower sites only ($r=-0.37$)
- J1a: Joint reduced in situ γ ($r=-0.69$)
- J1b: Joint reduced GOSAT γ ($r=-0.66$)
- J2: Joint reduced trend S_A ($r=-0.70$)
- J3: Joint reduced OH S_A ($r=-0.66$)