

Method	Tg CO ₂ yr ⁻¹	Gg CH ₄ yr ⁻¹	Gg CO yr ⁻¹
GDAS (0.5°)*	109 ± 27	349 ± 87	514 ± 128
HRRR (3 km)	105 ± 26	415 ± 104	444 ± 111
NAM (12 km)	102 ± 26	360 ± 90	487 ± 122
Kalman filter	94 ± 23	185 ± 46	391 ± 98
Nonlinear inv.	149 ± 37	208 ± 52	362 ± 91