

Table S5. Comparison of the PKU-CO₂ and NAT-CO₂ inventory with the VULCAN2.2 inventory (Gurney et al, 2009) over the U.S.A.. The comparisons are conducted by calculating the average absolute relative differences (RD).

<i>Resolution</i>	<i>Average absolute RD</i>	
	<i>NAT-CO₂</i>	<i>PKU-CO₂</i>
0.1 °	101.0%	74.1%
0.5 °	80.4%	54.2%
1 °	66.0%	48.6%
2 °	55.5%	42.1%
3 °	54.2%	32.2%
4 °	54.0%	25.7%