## Heat Flow Indicates Active Rifting and Volcanically Thinned Lid

Venus' lithosphere and heat flow are variable, with some major rifts and coronae showing elevated values similar to Earth's actively extending rifts (~75-250 mW/m<sup>2</sup>).

- Venus lacks Earth-like plate tectonics. Many global evolution models assume a stagnant lid, implying strong, thick lithosphere and low heat flow.
- We estimate 65 new lithospheric thickness & heat flow values, which generally agree with a low res. global
  map of lithospheric thickness, leading to an average heat flow that is ≥ Earth's.
- Average heat flow is greater than most 'stagnant lid convection' models. Variability supports an active planet with a 'squishy lid' heated by abundant volcanism.



