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Supporting Information for

**Extended rift-associated volcanism in Ganis Chasma, Venus detected from
Magellan radar emissivity**

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Figure S1

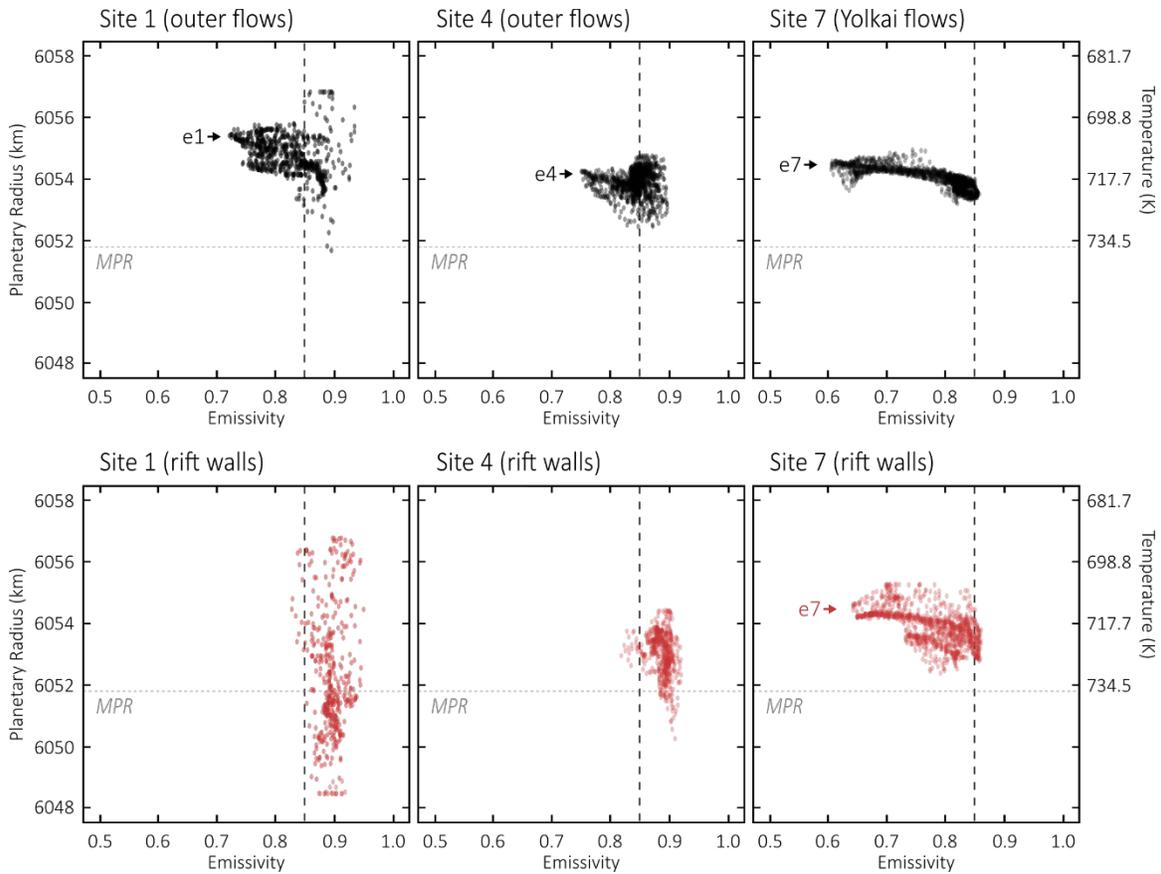


Figure S1. Elevation vs emissivity plots obtained for the sites 1, 4 and 7, which straddle between the lava flows (black dots) and faulted walls (red dots) of Ganis Chasma. Dashed lines in plots are mean global values of emissivity at 0.85 (vertical, black), and planetary radius at 6051.8 km (horizontal, gray). Temperatures are given by the Vega 2 lander data (Seiff, 1987; Lorenz et al., 2018; Brossier et al., 2020). Elevation (as planetary radius, in km) and emissivity values are reported as text files in the online repository (Brossier et al., 2022).

References:

Brossier, J., Gilmore, M.S., and Toner, K. (2020). Low radar emissivity signatures on Venus volcanoes and coronae: New insights on relative composition and age. *Icarus* 343, 113693.

<https://doi.org/10.1016/j.icarus.2020.113693>

Brossier, J., Gilmore, M.S., and Head, J.W. (2022). Possible recent or current rift-associated volcanism in Ganis Chasma, Venus: Supporting datasets.

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Lorenz, R.D., Crisp, D., and Huber, L. (2018). Venus atmospheric structure and dynamics from the VEGA lander and balloons: New results and PDS archive. *Icarus* 305, 277–283.

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