

Seminar “Physics and Chemistry of the Atmosphere”,
Institute of Environmental Physics (IUP), Univ. Bremen
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Venus' climate history and connections to recent spacecraft data

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In recent years a great deal of work has appeared related to better quantifying Venus' evolutionary path from Magma Ocean to present day Hell House world. We will present the latest results on these evolutionary histories and discuss recent work reanalyzing the Pioneer Venus in-situ neutral mass spectrometer data. The latter is one of the few in-situ atmospheric measurements of Venus, whose results have direct implications for constraining Venus' climate history, and providing temporal data to be compared with the upcoming Venus DAVINCI mission to launch in 2030.