

Using the Glenn Extreme Environments Rig (GEER) for Venus Research

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The Glenn Extreme Environments Rig (GEER) has the capability to reproduce the Venus atmosphere chemistry, temperature and pressure at any altitude from the surface to about 70 km. GEER can provide a CO₂/N₂ background with up to six trace gasses plus water. The pressure vessel has can reach up to 500 deg C and 100 bars of pressure. GEER has a test volume of 3.2 cubic meters and can accommodate a variety of test articles and instrumentation. GEER has recently completed its certification testing and is available for use by government, academia or private companies.