



# Venus Express Radio Occultation Results

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These figures show representative results derived from measurements by the NASA Deep Space Network. Key conclusions:

- There is remarkably little change in the temperature structure of the polar atmosphere ( $\sim 86^\circ\text{N}$ ) in the 3-year interval between this pair of observations
- Both profiles include gravity-wave modulation at altitudes above 60 km as well as a deep convectively-mixed layer at lower altitudes
- Results from these and other radio occultations allow us to explore the global structure, dynamics, circulation, and composition of the neutral Venusian atmosphere

### Pair of Profiles from Data Recorded by DSN

