

Schumann Resonances Seen in the Venus Ionosphere: Possible Probes of Venus Interior

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Abstract

Schumann resonances are wave paths that circle the globe bouncing between the conducting surface or interior of a planet and its ionosphere. On Earth, these resonances start at about 7 Hz. We see apparent resonance bands in the Venus ionosphere but at these frequencies are not clearly at the Schumann resonant frequencies. This could be due to the different reflection depth of the Venus interior, but we do not yet have sufficient events to determine if this is the cause of the frequency shift. We will continue to search for new events.