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PCG040-P03

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## Hemispheric height distributions of the Venus' clouds by ground-based spectroscopy for analyzing atmospheric winds

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In the Venus' atmosphere, unique phenomena such as the super-rotation have been observed. We expect that atmospheric waves explain the phenomena.

We will study atmospheric waves with clouds' top height using ground-based spectroscopic measurements data obtained by using IRTF operated at Mauna Kea with CSHELL spectrometer.

Keywords: Venus, atmosphere, CO<sub>2</sub>, spectroscopy