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Hemispheric distributions of CO above the Venus's clouds by ground-based 2.3micron spectroscopy

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CO plays an important role in the Venus' atmosphere. It is related to the long-standing problem "stability of the CO₂ atmosphere", and also to the formation problem of the huge cloud system. Ground-based spectroscopic measurements were performed by using IRTF at Mauna Kea with CSHELL spectrometer. The hemispheric distributions of the CO above the clouds are expected to give us keys to solve the above problems.