

5 um spectro-imaging of the Venus dayside

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Venus dayside was observed in the 5 um region by using IRTF/CSHELL spectrometer at Mauna Kea in May 2014 for 10 mornings under clear skies. The purpose of this operation is to obtain information about atmospheric waves at the cloud top region (70 km), and to compare it with that at 60 km region found in the 1.7 and 2.3 um spectral window regions. Such procedure may produce useful information to investigate the mechanism for the super rotation. The wavelength regions used are 4.70, 5.04 and 5.50 um, and drift scan was used to get longitudinal information.