

A feasibility study for the 1um camera on board Planet-C

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The 1um camera on board the Planet-C is to obtain the images of the dayside of Venus at 0.9um, and those of the nightside at 0.90, 0.97 and 1.01 um. The dayside measurement is to quantify the wind and turbulent field in the cloud region. However, meaning of the dayside image is not clear because the weighting or contribution functions cannot be defined for such scattering atmosphere. It is needed to confirm the practical meaning by changing various parameters of the clouds.