

Ultra Violet Imaging Camera (UVI) on Planet-C

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The Ultra Violet Imaging Camera (UVI) is installed in the Venus mission, Planet-C. One of the main goals of the Planet-C is to investigate the three dimensional structure of the Venus atmosphere, super-rotation, meridional winds, and mesoscale structure, by imaging the Venus clouds and tracking its motions. UVI is one of 5 cameras on Planet-C and is designed to measure the ultraviolet scattering lights around 300nm wavelength from cloud tops of ~70km altitudes. The field of view is 0.015 degrees with 1024x1024 SiCCD. The spatial resolution is ~15km at apoapsis of 10R_v.