

HDTV imaging and near-UV spectroscopy of Leonid meteor body.

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Get 300-400nm(near-UV) wavelength in meteor spectrum.

The High-Definition TV Digital Video Camera with Image Intensifiers (HD-TV-II) produce more impressive images of the meteor shower. Equipped with a grating, the HDTV images produce high-resolution spectra of meteors in the near-UV.

We developed a UV-lens as new device in the world, and combine it with Image Intensifiers and HDTV, our observational system became so great.

And we mount Mt. Mauna Kea in Hawaii, owing to that and attenuated air mass, meteor images became very clear and beautiful.

What is Leonid meteor?

Dust come from Tempel-Tuttle, and conflict with the earth air, they flash as meteor shower. We get those meteor's emission spectrum with refractive grating, then our UV-lens discovered new organic matter in Leonid meteor.