

Spots and zonal flow in the Jovian mid-latitude

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We observed Jupiter at 1997-98, measured the latitude-longitude positions of many spots, and deduced the zonal flow profile in the mid-latitude.

The observations were carried out by Asada with 305mm telescope and cooled CCD-camera. Some thousands positions of many spots were measured and the zonal flow at each latitude was deduced by time variation of the spot's longitude.

The deduced zonal flow profile was compared with the Voyager's wind profile. We discuss the stability of the zonal flow and some properties of long-lived spots.

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