

Error Estimation in deriving the Atmospheric Motion Vectors from successive cloud images.

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The method of Atmospheric Motion Vectors (AMVs) derived from cloud features of successive satellite images is already established. The Error of AMVs is defined as a difference between AMVs and contemporaneously observed wind vectors in the case of Earth's AMVs. In the case of other Planets, whose ones couldn't be contemporaneously observed, the Error of AMVs is a deviation of neighboring AMVs in the past researches, but this error includes a disturbance. A disturbance must not be included in the error. In this presentation we suggest the method of error estimate derived from correlation coefficient, which eliminates a disturbance.

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