

Jovianwind

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Abstract

Jovianwind is an online search tool designed to find images pairs in the PVOL database ,and so calculate the profiles of the wind velocity on Jupiter with Winjupos or other programs.

1. Introduction

The image pairs must meet the following conditions :

- The images should be separated approximately between 10 hours or 20 hours.
- Should be taken with the same filter.
- Has an image “quality acceptable and similar” .

2. Jovianwind tool

www.jovianwind.cielodeguadaira.org

Jovianwind finds images pairs from PVOL that meets the a) and b) conditions and when presented on screen the user can evaluate the condition of c) , as seen in Figure 1

3. Conclusions

Remembering that the number of images from PVOL are more than 10000, to find paired images manually would be a hard task and a slow process.

Jovianwind facilitates and speeds the heavy and sometimes daunting task of finding useful pairs of images with which to calculate the wind speed as a function of latitude with some correlator algorithm.

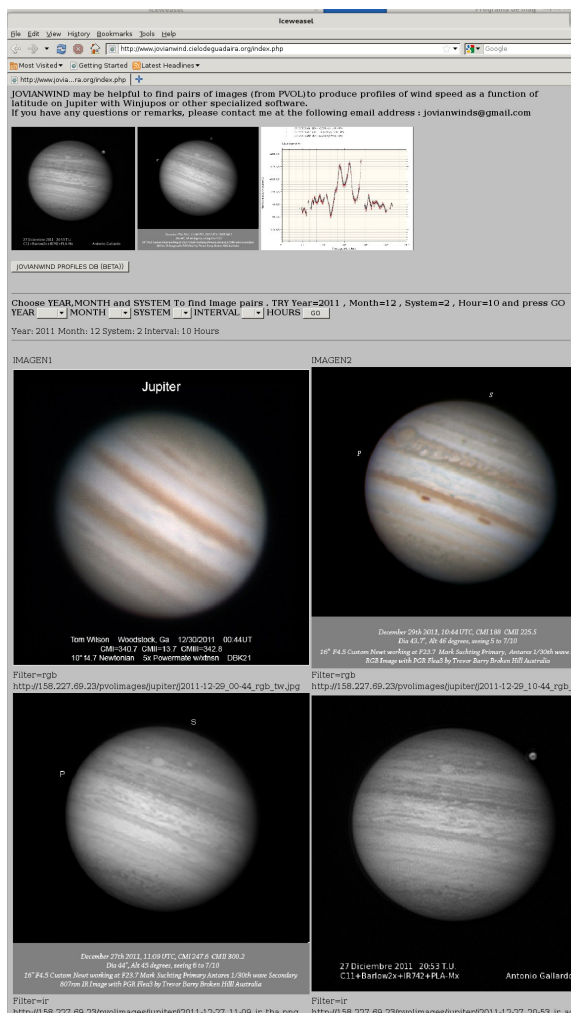


Figure 1: Example of consultation with jovianwind

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