

Summary 01062014

## Observing exercises – Philips web photo of Saturn with GIMP

### 1 Saturn- Philips web camera/Vision from Metochi Observatory

- Photography of Saturn through EXTA-70 with Philips Web Camera in “90 eyepiece holder” without Barlow lens



1. June 2014, 00:04:14). MaxIm process: Stretch/Planet (jpg/30kB). It is possible to increase the quality of the image in Live Vision video to (640x480) pixels (3,1 MB, jpg – format)

How can we improve the method and take better pictures of Saturn rings with the EXT-telescope? We must replace Vision with GIMP. Free program GIMP can control the Philips web camera with selectable resolution equal to 1,3 mega pixels (1280x960)

## 2 Saturn- Philips web camera/GIMP from Metochi Observatory

- Photography of Saturn through EXTA-70 with Philips Web Camera in “90 eyepiece holder” and Barlow lens 2x



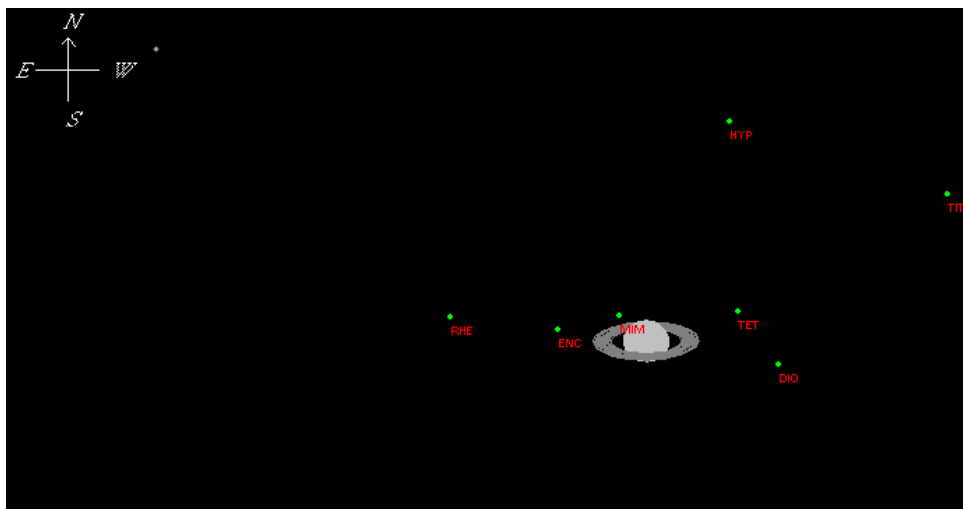
1. June 2014, 00:49). MaxIm process: Stretch/Planet (tif/905kB)

- Photography of Saturn through EXTA-70 with Philips Web Camera in “90 eyepiece holder” and Barlow lens 3x



1. June 2014, 00:49. MaxIm process: Stretch/Planet (tif/905kB)

- Sky Map give the true orientation of Saturn



Sky Map drawing 1. June 2014 (00:49:15) showing Saturn properly oriented in the sky. Saturn rings has a greater extent in east west direction compared with the north south direction. Next time we connect the Philips Camera to the EXT telescope we had to orient the Philips web camera so that the USB cable point at the front end of the telescope's optical tube. The rings in the real picture get the same orientation shown in drawing.