

Night Reports: 14 August 2008

165 cm Telescope:

Group 5: 22 – 01

Collected Data:

- Object: V2109 Cyg
- Collected time series data in 4 different filters (B, V, R, I). 17 data points, 20 exposures per data point,
- 5 exposures per filter. Total object images taken: 340. Total images including flats and bias: 388. Total
- data amount: 1.3Gb

Other info/Weather conditions:

Occasional thin high clouds, otherwise perfect.

Group 8: 01 – 04

Collected data:

- Target: PG2303+243
- Number of images: 450
- Time interval between images: 20s
- Exposure time: 16s
- Start of observations: UT 22:56:00
- End of observations: UT 01:35:00

A few images were disturbed by clouds, but weather conditions were acceptable through the whole observation period. Observers were Are, Marius and Algimantas.

63 cm Telescope:

Group 9: 22 – 01

Collected data:

- Coravel radial velocity measurement of HAT-P-2b and V2109
- 3 measurements of HAT-P-2b Transiting exo planet
- 14 measurements of V2109 Cyg Pulsating star
- UT start 19:00h / UT end 01:00h

Comments: Partly cloudy at start but in general a very good night.

Group 6: 01 – 04

Collected data: Time series of radial velocities
Target: V2109 Cyg
Start(UT): 22:00
END (UT): 01:00

Other info:

Variable Star of delta Sct type (V2109 Cyg)
Number of exposures: 35
Coordinates: 20 08 50.4194 +48 54 39.423

Standard star: HD206778
Coordinates: 21 44 11.1 +09 52 30.0
Number of exposures: 2

Observers: Perttu and Edita

Maksutov Telescope:

Group 10: 22 – 01

Collected data:

- object: Asteroid search program
- number of data points: 30 frames
- exposure time: 120 sec
- start time (UT): 20:00
- end time (UT): 22:00

Other information:

We have re-discovered asteroid 2000 WA7.

Group 7: 01 – 04

Observer: Annalisa and Shahin

Collected data:

- **Object:** - (Search for Asteroids)
- **Number of images:** 62
- **Exposure times:** 30, 120 and 240 sec
- **Start:** 10:03:00 UT
- **End:** 01:10:00 UT

Other information:

The sky was clear at the beginning but it became partly cloudy in few moments, though we continued exposing as it was still possible to recognize the main bright stars in our field of view. We haven't processed the images yet, though we didn't notice any new asteroid/object during the observation! We found some known objects (asteroids, galaxies, ...) on the raw images.

IAC-80:

Group 1: 23:00 – 02:00

Observers: Eugene and Thomas

Our night on the IAC 80 went not well, due to high winds. This made it impossible to open the dome. So all we did were dome flats, bias, and dark frames.

Group 2: 02:00 – 04:15

Weather: wind ~45 km/h, which is higher than the observing limit. No observations.

Observations: pulsating WD GD244

Nordic Optical Telescope:

Group 3: 23:00 – 02:00

- Start (preparations & calibration) 18:00(UT)
- Observation start: 21:00 (UT)
- End 23:00 (UT)

Other info:

We had problems with system, since it required password, but it was fixed soon. Also there has been some problems with calibration script.

Object	Exp (s)
HD_170000	60
HD_184905	360
CG_Cyg	900
AB_And	900
HD_197076	60
BD_And	1800
HD_170000	60
HD_184905	360

Group 4: 02:00 – 04:15

Observers: Carina and Sarunas

Collected data:

BD+093223 exp = 3600 S/N = 130

HD184266 exp = 1260 S/N = 180

HD170000 exp = 120

HD184905 exp = 600

HD168322 exp = 300 S/N = 175

HD167768 exp = 240 S/N = 164

Other info: it was nice to observe at NOT, we felt the hot Canarian wind in the observation room