

Night Reports: 19 August 2008

165 cm Telescope:

Group 6: 22:00 – 02:15

Time series photometry of ZZ Ceti type variable star WD 223 Coordinates: 22 56 46.172 +12 52 50.20

V: 16.0 mag Amplitude: 4% Period: 203-307s

Exposure time 24 s (+6 s for readout)

We took a total of 124 images of the target, during 24 last there were some technical difficulties, two computers went out of sync and there is a 30 s gap between each exposure. On the other hand, sky started to get too cloudy around 12:15 am, so the actual amount of frames lost is rather small.

Group 1: 02:15 – 04:00

No observing due to bad weather

63 cm Telescope:

Group 3: 22 – 01

Collected data:

- Object: HAT-P-2b, V2109 Cyg
- Number of data points - $5+8=13$
- Exposure times used: 10s
- Start 18:40 (UT)
- End 22:00 (UT)

Maksutov Telescope:

Group 4: 22 – 01

Observed objects:

- M57 (on a bright sky)
- M13 (bright sky in 3 filters)
- Asteriod field at RA=19:46:35.00 DEC= -11:00:00.00 to -13:30:00.00
- Asteriod 3320
- Asteriod 14332
- Asteriod 125
- Comet Boattini
- Comet Hill (cloudy sky, no useful images)

IAC-80:

Group 8: 23:00 – 02:00

Target: HS 2201+2610

Observations start time: UT 22:01:42

Observations end time: UT 23:01:29

Weather conditions: Good

Sequence time: 24s

Exposure time: 18s

We obtained photometric data for one hour and got a light curve!

Group 7: 02:00 – 04:15

Observers: Annalisa and Shahin

Collected data:

- **Object:** PG 2303+243 (R.A.: 23 06 17 , Dec.: +24 32.0 , V=15.5)
- **Total number of images:** 799
- **Exposure times:** 15 sec
- **Start:** 23:05 UT
- **End:** 01:10 UT (Note: Erika kindly continued the observation for us until 4:00 UT)

Other information:

The sky was luckily clear during the observation though we had a bright sky background because of a lot of dust (according to the telescope operator) as well as the moon light (with 25 degrees separation with our target). We used no filter for this observation. By the way, everything went very well without any problem!

Nordic Optical Telescope:

Group 9: 23:00 – 02:00

Collected data: Doppler imaging (HD170000, HD184905), Rv Standard star (HD197076), Eclipsing binaries (CGCygni, ABAnd).

UT Start: 2045

UT End: 2300

Comments: Technical difficulties with auto guider and fiber arm probably caused by an earlier power failure. Time lost ~ 70min.

Group 10: 02:00 – 04:15

Collected data

-object: **HD 170000** (D. I.), **HD 184905** (D.I), **HD 167768** (RHB), **HR 6406** (M5 I), **HR 8465** (K1 I), **HR 8494** (F0 IV), **HR 7178** (B9 III).

-number of data points: 8 spectra

-exposure time: 31 min 7 seconds (total exposure time)

-start time: 23:00

-end time: 01:15

Other information: There was power outage during our run and we lost about 15 minutes. For that reason we did not observe stars HR 8631 (G4 V) and HR 8622 (O9 V).