Night Reports: 12 August 2008

165 cm Telescope:

Group 1: 22 – 01

- Object: NGC 7094 (M57 --> in order not to waste time)
- Number of data points: 140 with a successfull count raound 20 -- 40 %
- Expousre time: a 10 second exposure for 20 images. Done 7 times, with different starting times
- Start UT: 18:00 UT (real observation started 21:04 UT)
- End UT: 22:00 UT
- Observer Info: Eugene and Thomas

Group 4: 01 – 04

- Observers: Carina and Sarunas
- Object: PG2303+243
- 300 frames
- exposure = 17 s
- start = 22:00 UT
- end = 1:00 UT
- Other info: night was partly cloudy, only about 50 % of images are acceptable

63 cm Telescope:

Group 2: 22 – 01

- **Weather:** some clouds over the whole observing time.
- **Object:** HAT-P-2b
- **Observations:** one data point for exoplanet HAT-P-2b radial velocity:

UT	V_rad (km/s)	sigma (km/s)
21:50:24.0	-19.8	2

- **Data reduction:** done with the CORAVEL pipeline.

Group 5: 01 – 04

- Object: V2109 Cyg
- 4 radial velocity data points collected at JD (2454691.540 ; 2454691.545 ; 2454691.553 ; 2454691.565)
- Other info/Weather conditions:
- Target was covered with clouds for almost all observation run.

Maksutov Telescope:

Group 6: 22 – 01

Targets and collected data:

Asteroid search: Imaged three times a series of nine images from
19 51 15.6, +08 30 00 to
19 51 15.6, +04 00 00,
with a 0.5 degree decrement in declination between each exposure.

Comet imaging (unsuccessfull):
10 exposures of a comet at 02 36 56.0 +20 36 04.0

Various other asteroids:
OT18 21 27 53.0 -07 52 01.0
OZ11 21 28 31.0 -07 36 03.0
OZ1 21 27 57.0 -09 52 02.0
OS18 21 29 49.0 -08 16 50.0

A total of 41 exposures, 2 min each. Problems with CCD cooling, dark current very high.

Group 3: 01 – 04

- Object: C/2007 W1
- Number of data points - 27 object frames (with acceptable visibility)
- Exposure times used: 60s, 120s, 240s, 360s (this one was not usable, since on shot of this was taken)
- Start 22:15 (UT)
- End 24:00 (UT)
- Other info: We managed to catch the comet, but since we didn't used any filter, we've got terrible fringes in the frames.