

Observing Schedule: 12 August 2008

165 cm Telescope:

Group 1: 22 – 01

Time Series Photometry of NGC 7094

Group 4: 01 – 04

Time Series Photometry of PG 2303+243

63 cm Telescope:

Group 2: 22 – 01

HAT-P-2b – Beginning of night. 20 exposures
V2109 Cyg – Rest of the night.

Group 5: 01 – 04

V2109 Cyg

Maksutov Telescope:

Group 6: 22 – 01

Asteroid Search Program

Group 3: 01 – 04

Asteroid Search Program

Proposal for observing time with 165 cm telescope

Eugene Zakharov and Thomas Amby Ottosen
– Team: 1/A –

August 12, 2008

Telescope: 1.65 m

Night: 12.08.08

Topic: Time series photometry of

1. NGC 7094 (V=13.75)

2. G 226-29 (V=12.24)

3. GD 244 (V=16.00)

Amplitude / Period:

1. 40 / -

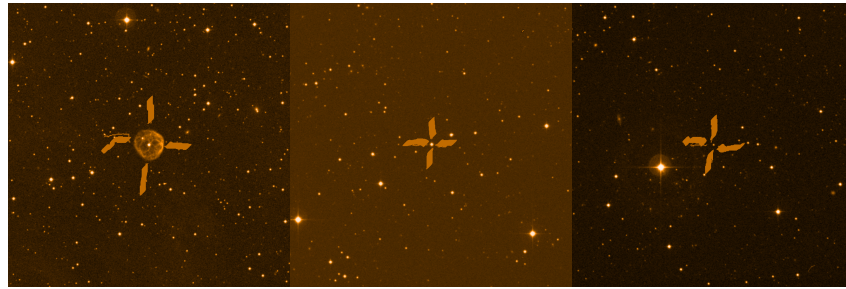
2. 0.6 / 109

3. 4 / 203 - 307

G226-29 DEC. 16 48 25.6414 R.A. +59 03 22.711

NGC7094 DEC. 21 36 52.976 R.A. +12 47 19.33

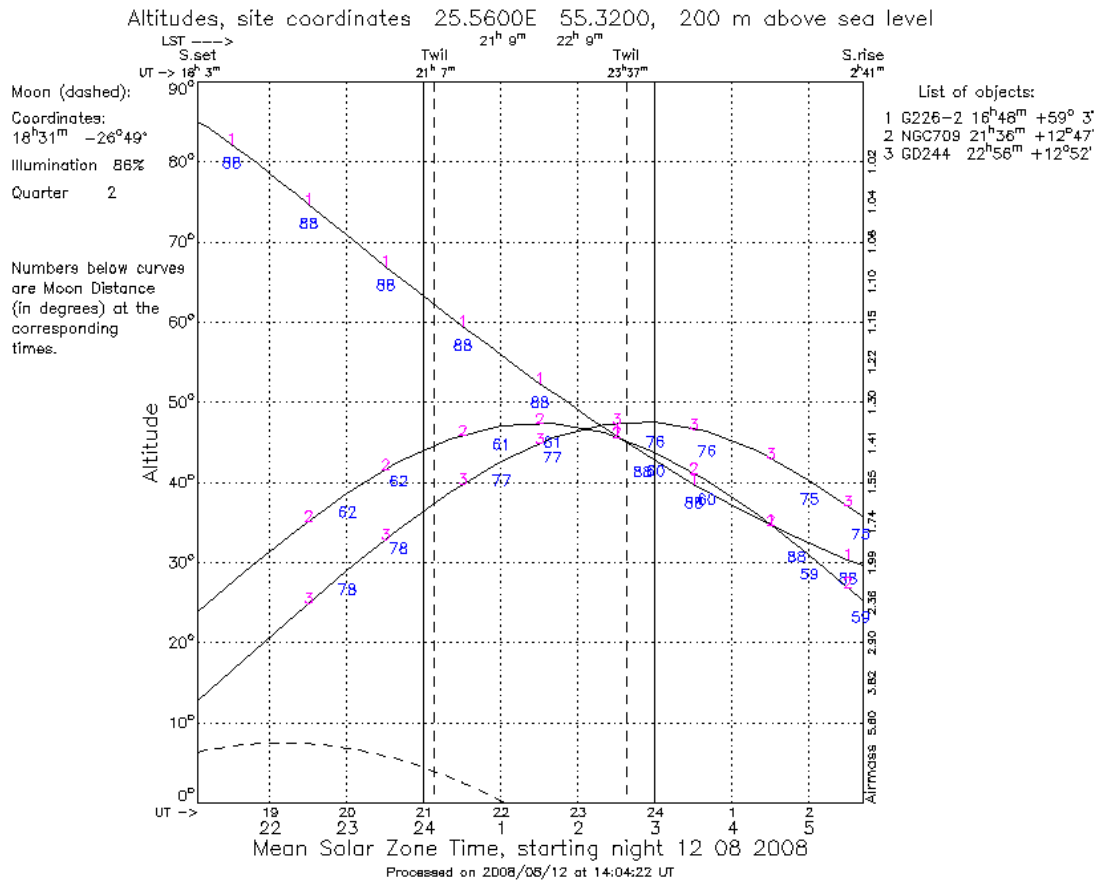
GD244 DEC. 22 56 46.172 R.A. +12 52 50.20



(a) NGC 7094

(b) G 226-29

(c) GD 244



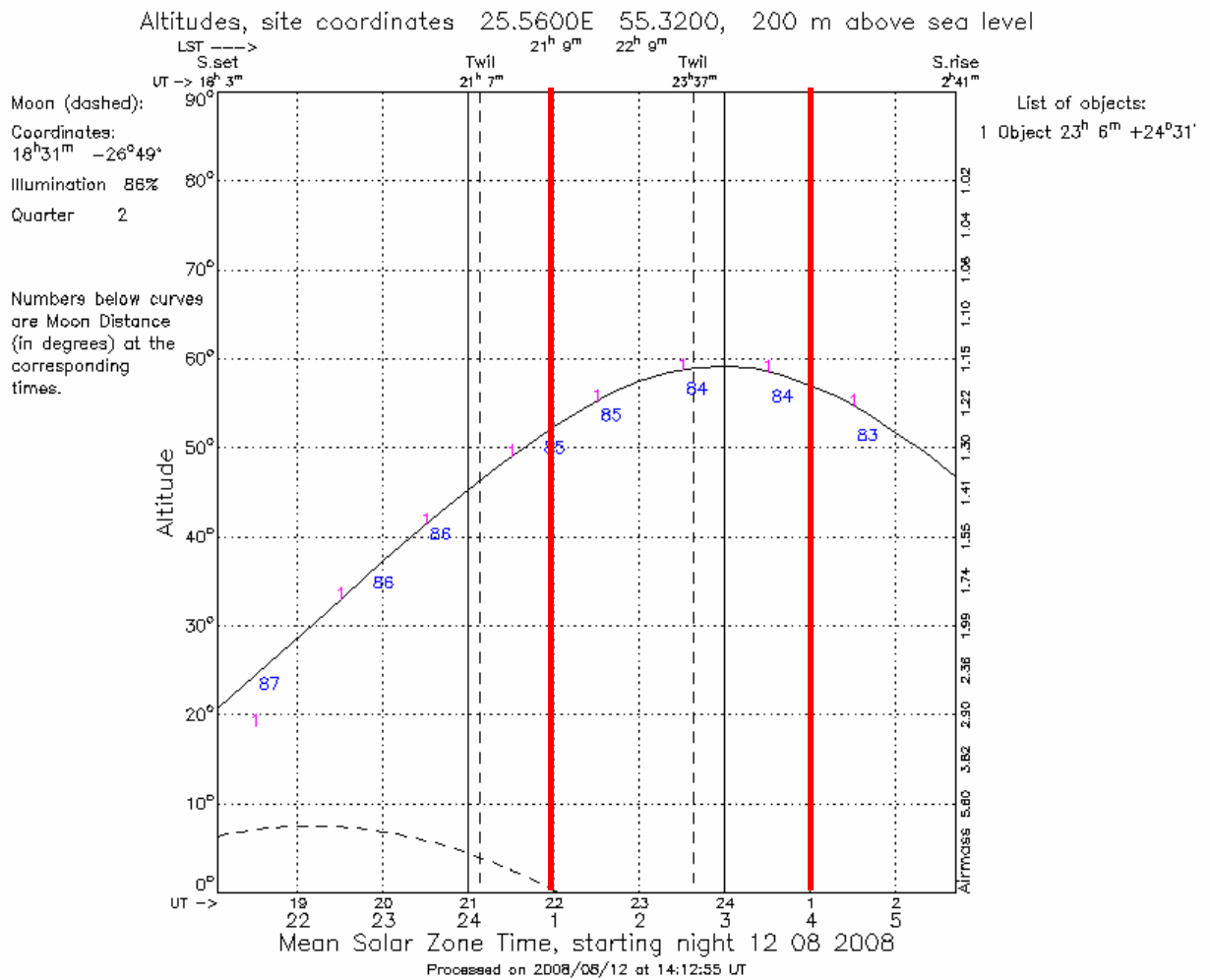
(d) Visibility plot

Team: 4 / D
Telescope: L1 (165 cm)
Night: August 12, 2008 (1:00 – 4:00 EET)

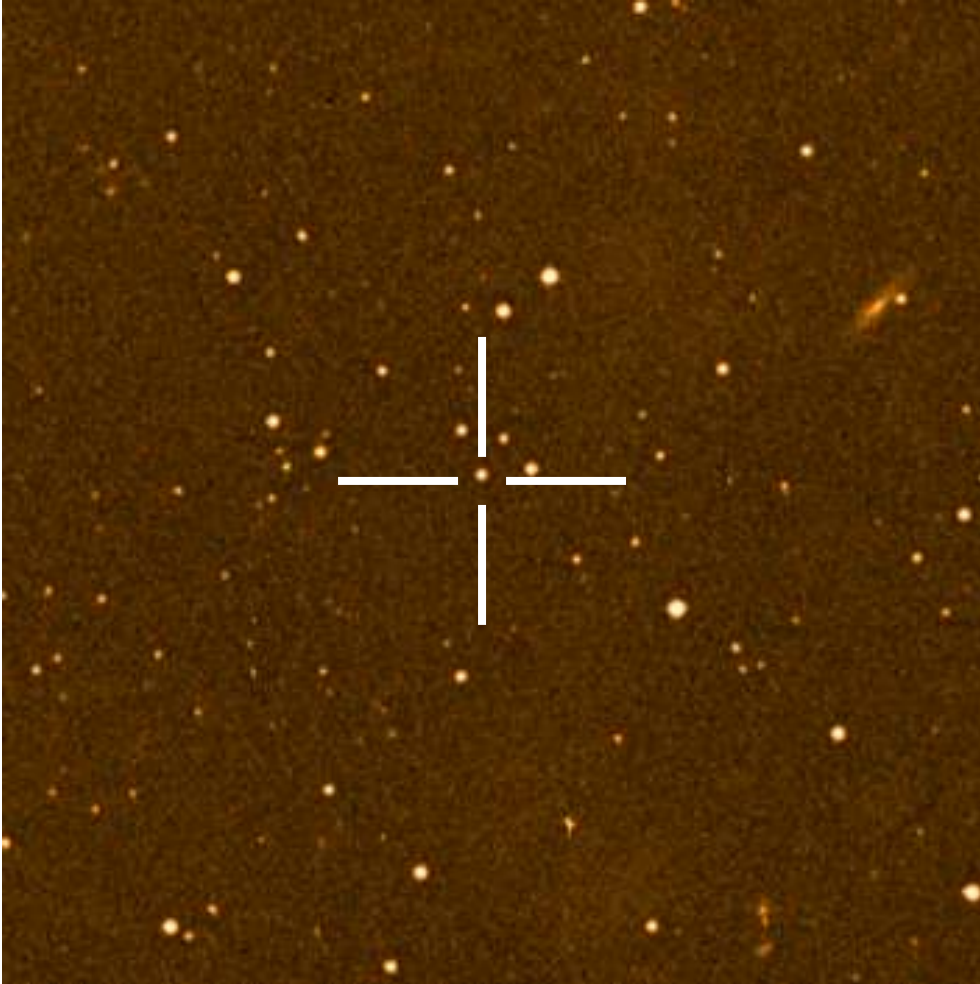
Proposed targets: Time series photometry of PG 2303+243
 V = 15.5 mag Period (s): 394, 483, 540, 611, 936
 Amplitude: 200 mmag

Coordinates: α : 23 06 17 δ : +24 32 00

Visibility chart:



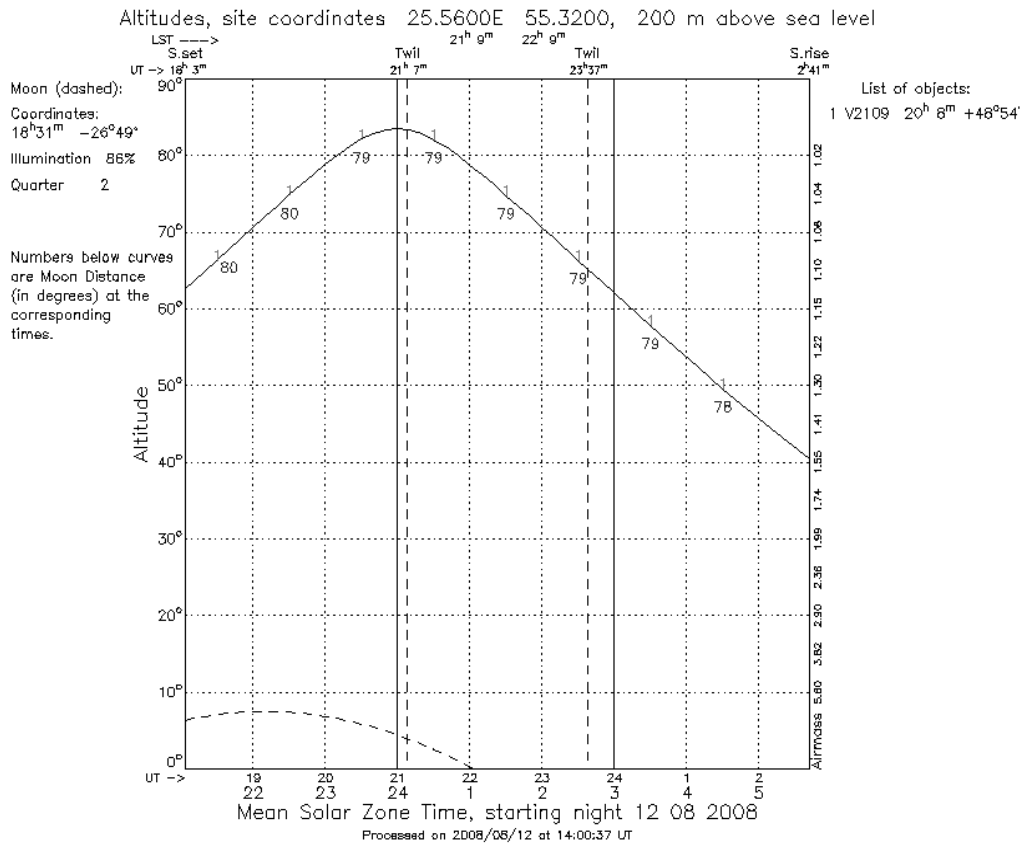
Finding chart:



Team: 2/B
Telescope: 63 cm
Night: 12 August: 22:00 - 01:00

Proposed target: Time series velocities of V2109 Cyg:
V 7.52
Period: 0.1860656 d (Hipparcos)
Amplitude: 83.91 mmag

Coordinates: 20 08 50.4194 +48 54 39.423

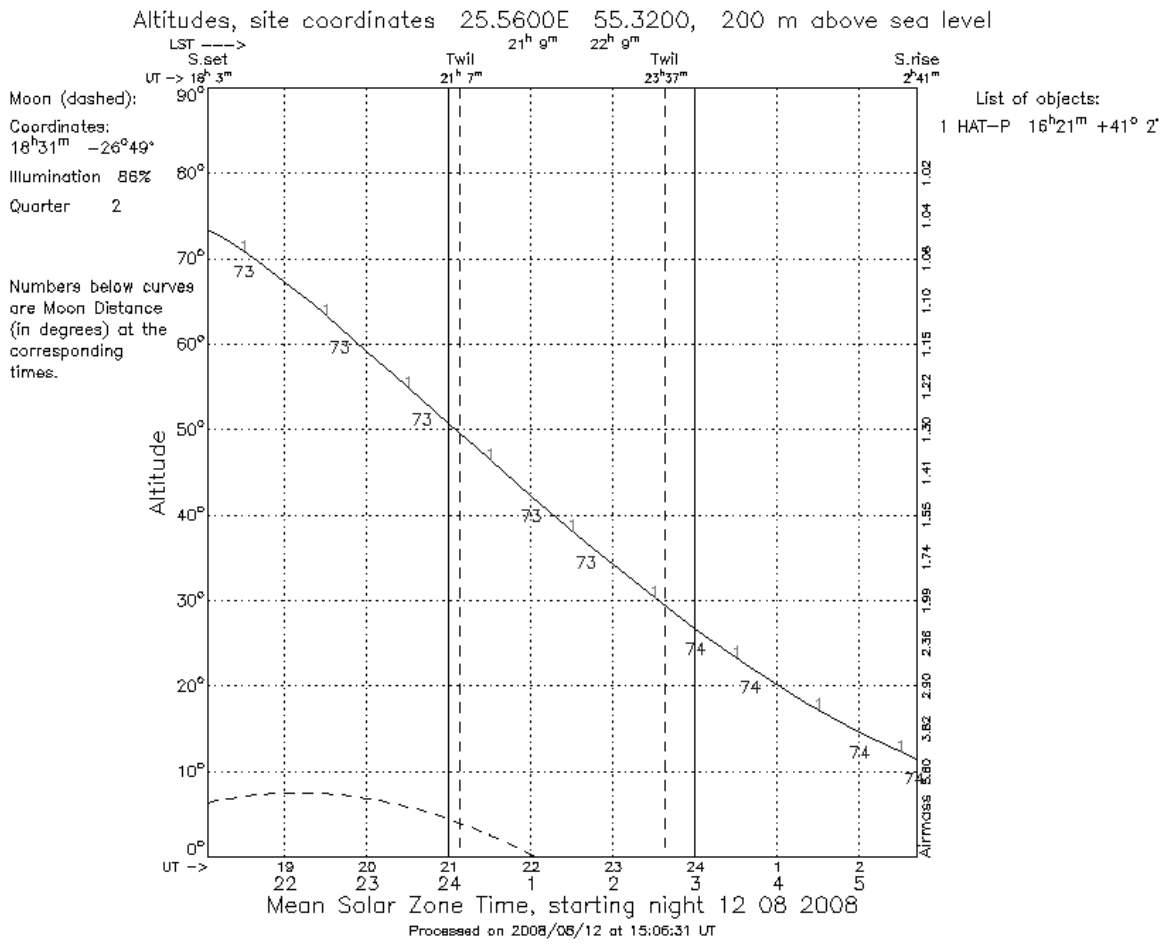


Finding chart: the object of interest is the bright star in the middle.

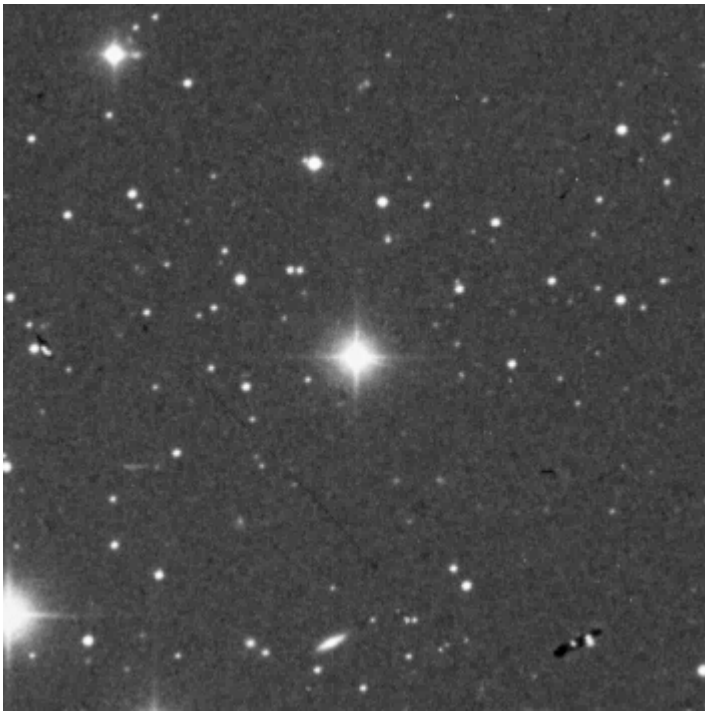


10' x 10'
N up
E left

Proposed target 2: mass of exoplanet HAT-P-2b
 $V=8.71$
 $v_ampl=968$



Coordinates: 16 20 36.4 +41 02 53.101



Team: 5/E

Telescope: 63cm

Night: 12th Aug, 01-04

Proposed target: V2109 Cyg

V= 7.52 $\Delta V=0.16\text{mag}$ P=0.1860652days

Coordinates: 20 08 50 +48 54 39 (2000)

Team: 6 / F
Telescope: Maksutov
Night: 12. August 22:00-01:00

Proposed target: Asteroid search

Coordinates:

Team: 3 / C

Telescope: Maksutov (Molétai)

Night: 12 August 2008: 01:00 – 4:00

Proposed target: Asteroid search

Coordinates: N/A

