

Team: 5/E

Telescope: 165cm

Night: 14<sup>th</sup> Aug, 22-01

Proposed target 1: time series of V2109 Cyg (in different colors BVRI) to compare radial velocity and brightness variation curves

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

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

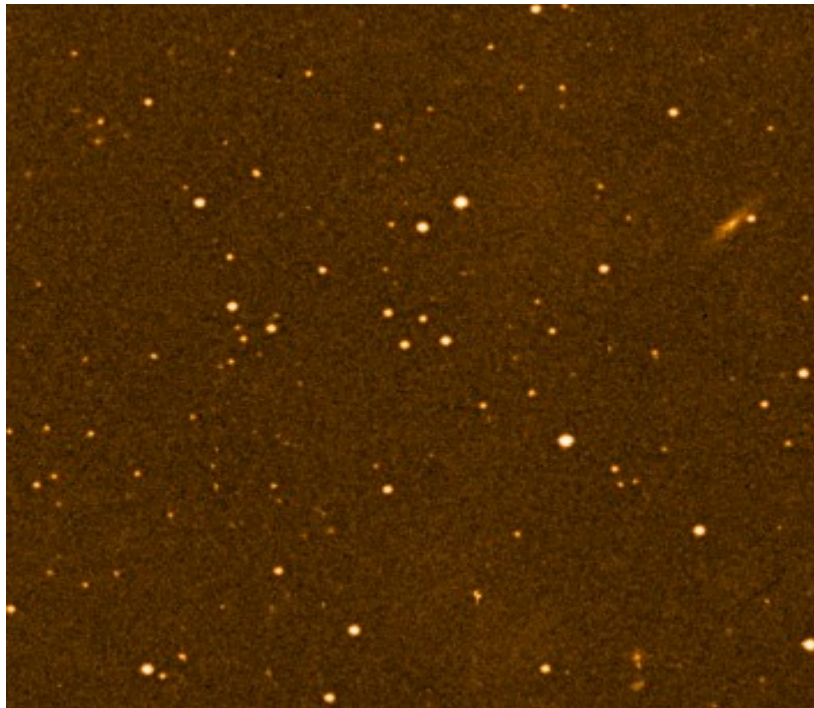
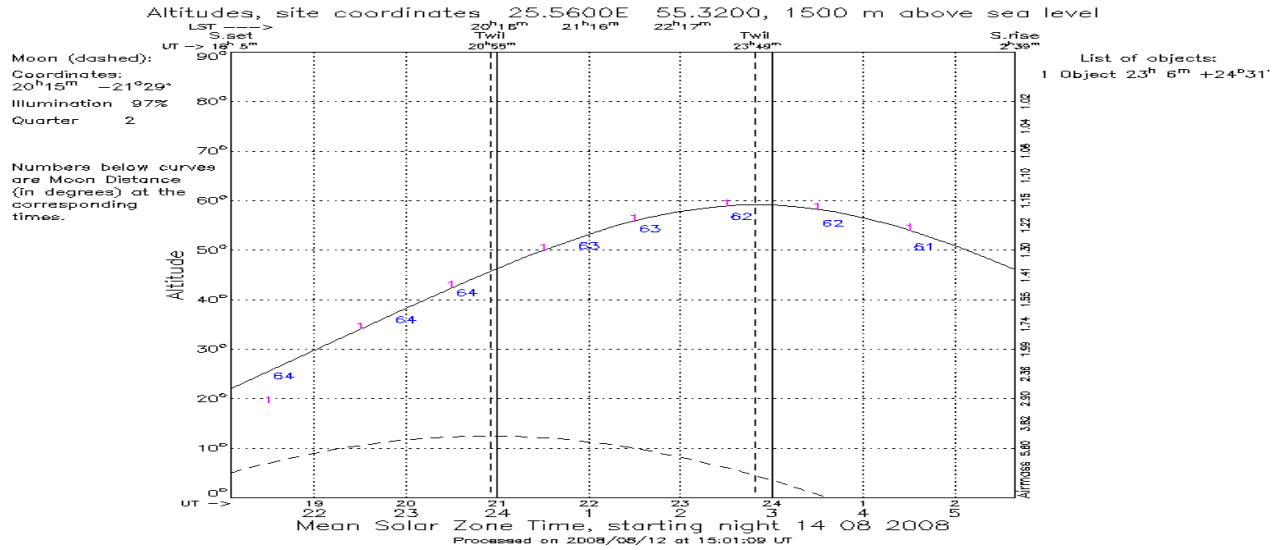
Team: 8/H

Telescope: 165cm

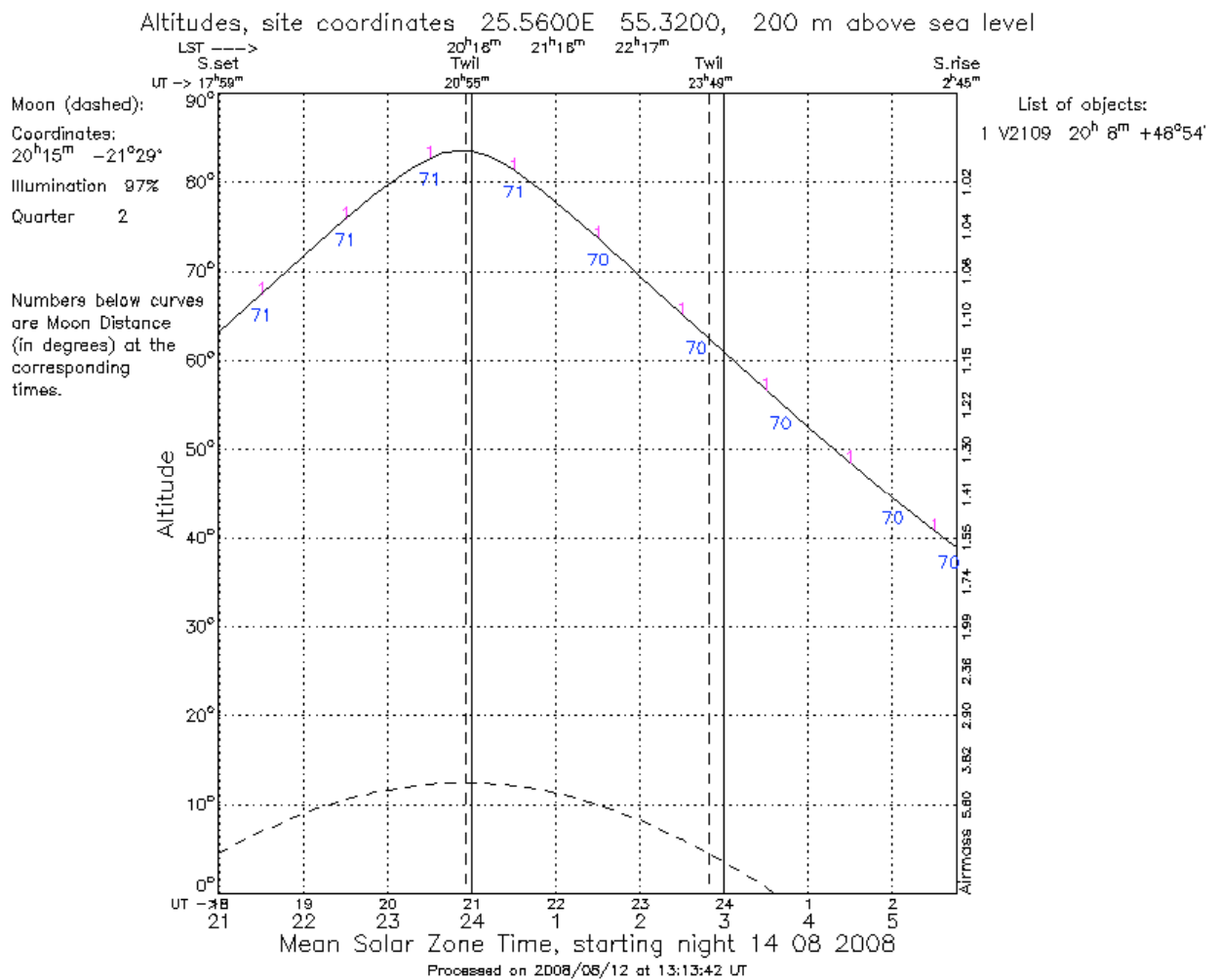
Night: 14. august 01-04

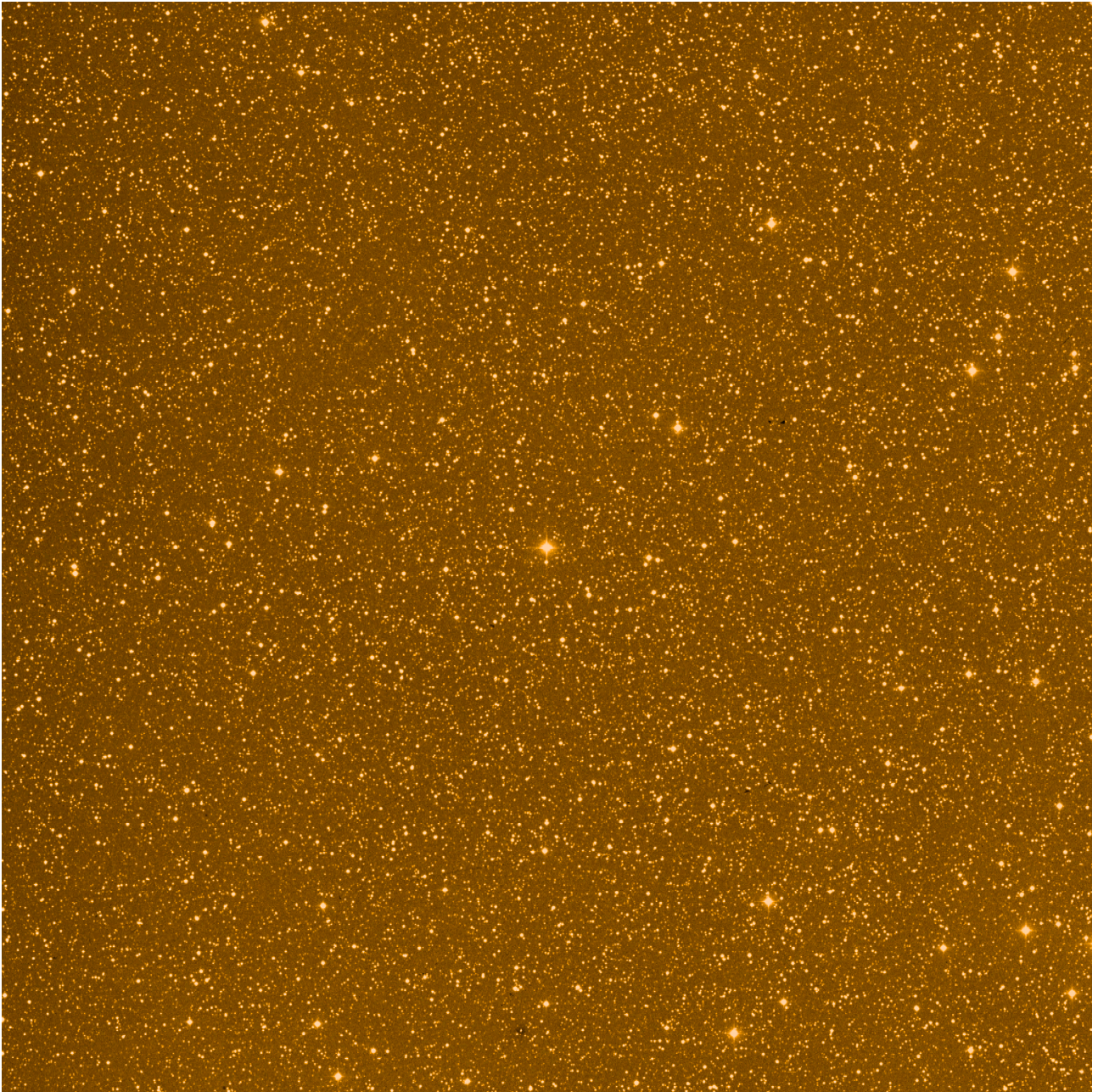
Proposed target: PG2303+243

Coordinates: 23 06 17 +24 32 00



**Team:** 9/I  
**Telescope:** 63 cm CORAVEL  
**Night:** 14 August: 22:00-01:00  
**Proposed target:** Time series photometry of V2109 Cyg  
 $V=7.52$   
**Coordinates:** 20 08 50.42 +48 54 39.42



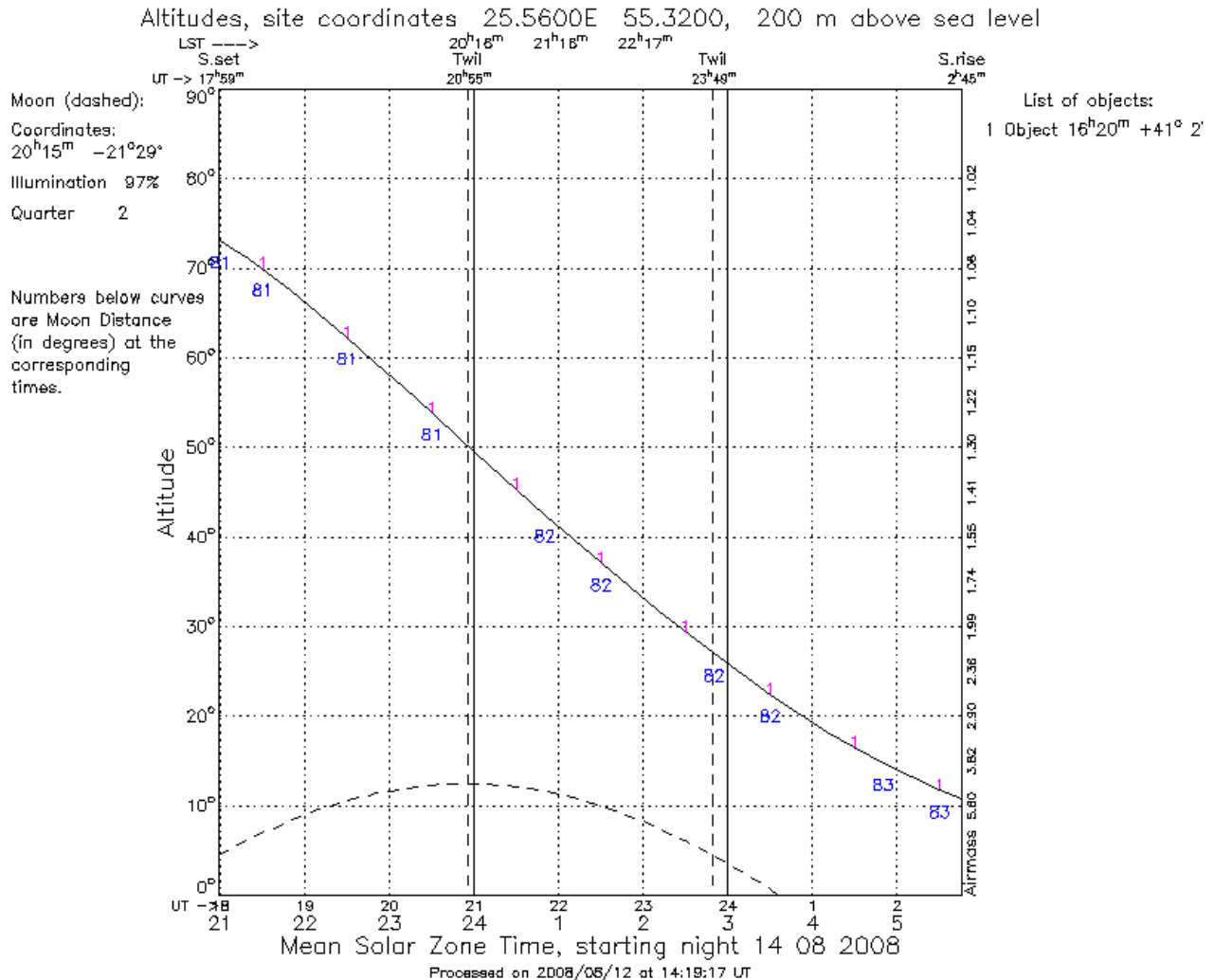


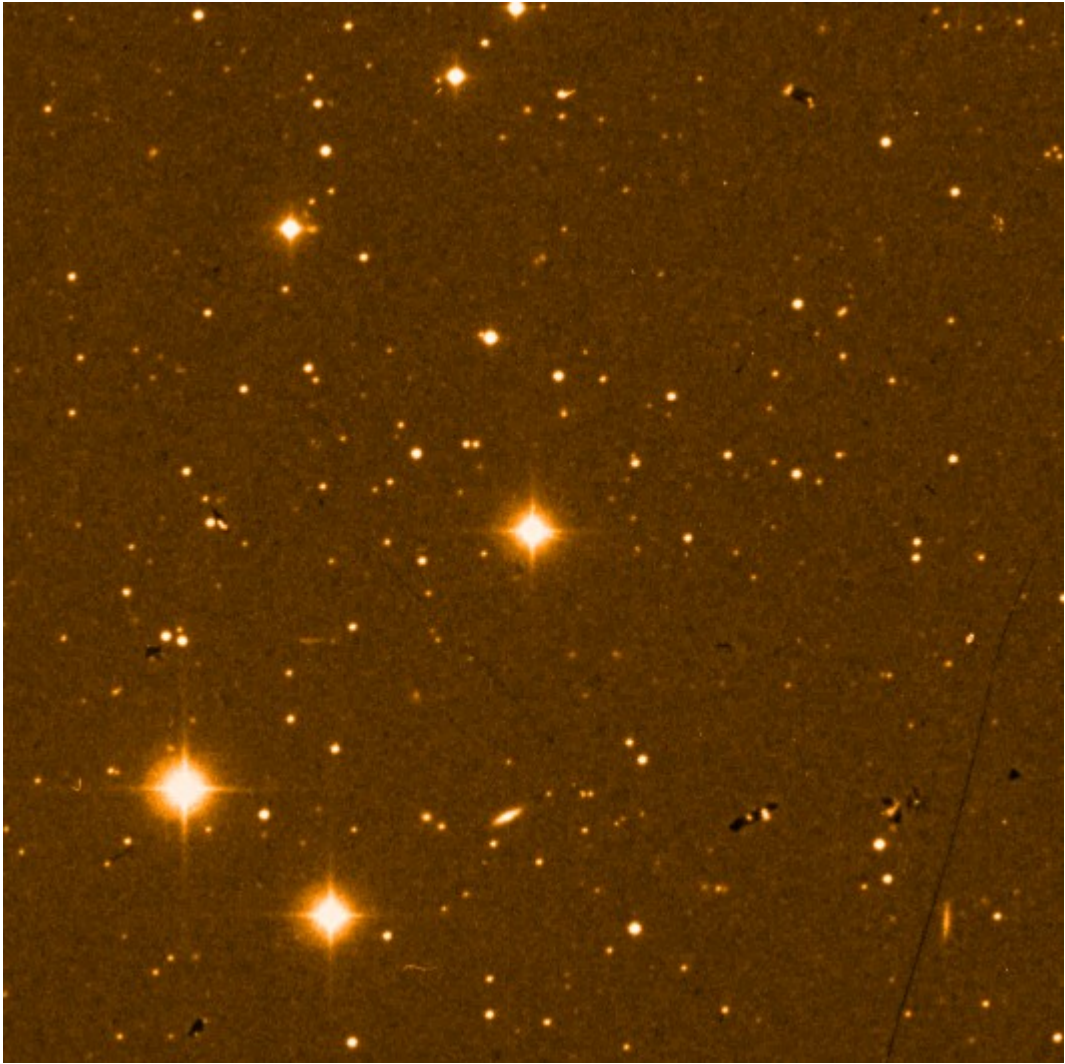
60x60 arcmin

**Team:** 6 / F  
**Telescope:** L2 63 cm  
**Night:** 14. August 22:00-01:00

**Proposed target:** Radial velocity measurement of HAT-P-2b  
 V: 8.71 Spectral type: F8  
 Period: 5.63 d  
 Amplitude: 968 m/s

**Coordinates:** 16 20 36.3572 +41 02 53.101





**Team:** 10/J  
**Telescope:** Maksutov (Moletai Astronomical Observatory)  
**Night:** 14 August, 22:00 – 01:00 (Local Time)  
**Proposed Target:** Search for asteroids

<b>Team</b>	G/7
<b>Telescope</b>	Maksutov 35/51 at Moletai Observatory
<b>Night</b>	Night of 14 <sup>th</sup> August from 01:00 to 04:00 Local Time
<b>Proposed Target</b>	Search for Asteroids We wish to join the Moletai program for asteroids search and survey
<b>Coordinates of Object</b>	Unspecified

# Proposal for observing time with IAC80 telescope

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

August 12, 2008

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**Telescope:** IAC 80

**Night:** 14.08.08

**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 / -

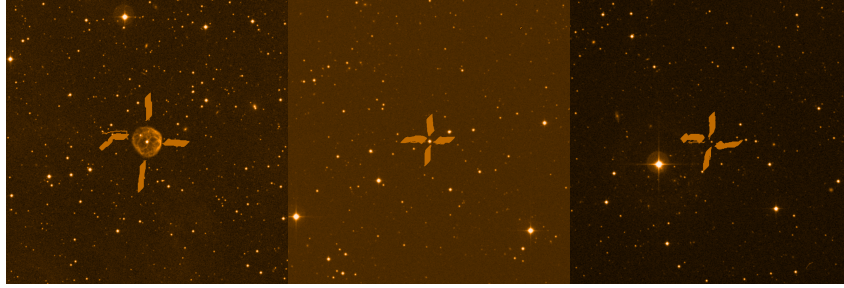
2. 0.6 / 109

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

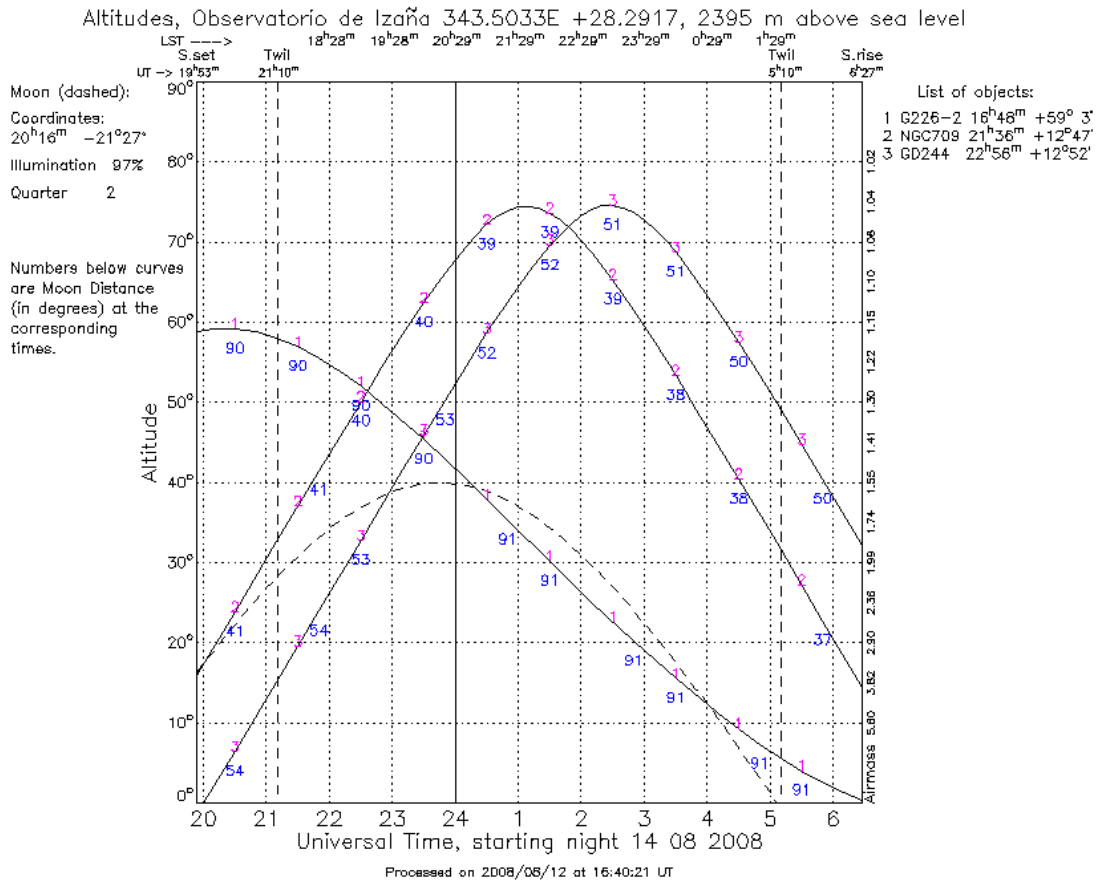
GD244 DEC. 22 56 46.172 R.A. +12 52 50.20



(a) NGC 7094

(b) G 226-29

(c) GD 244

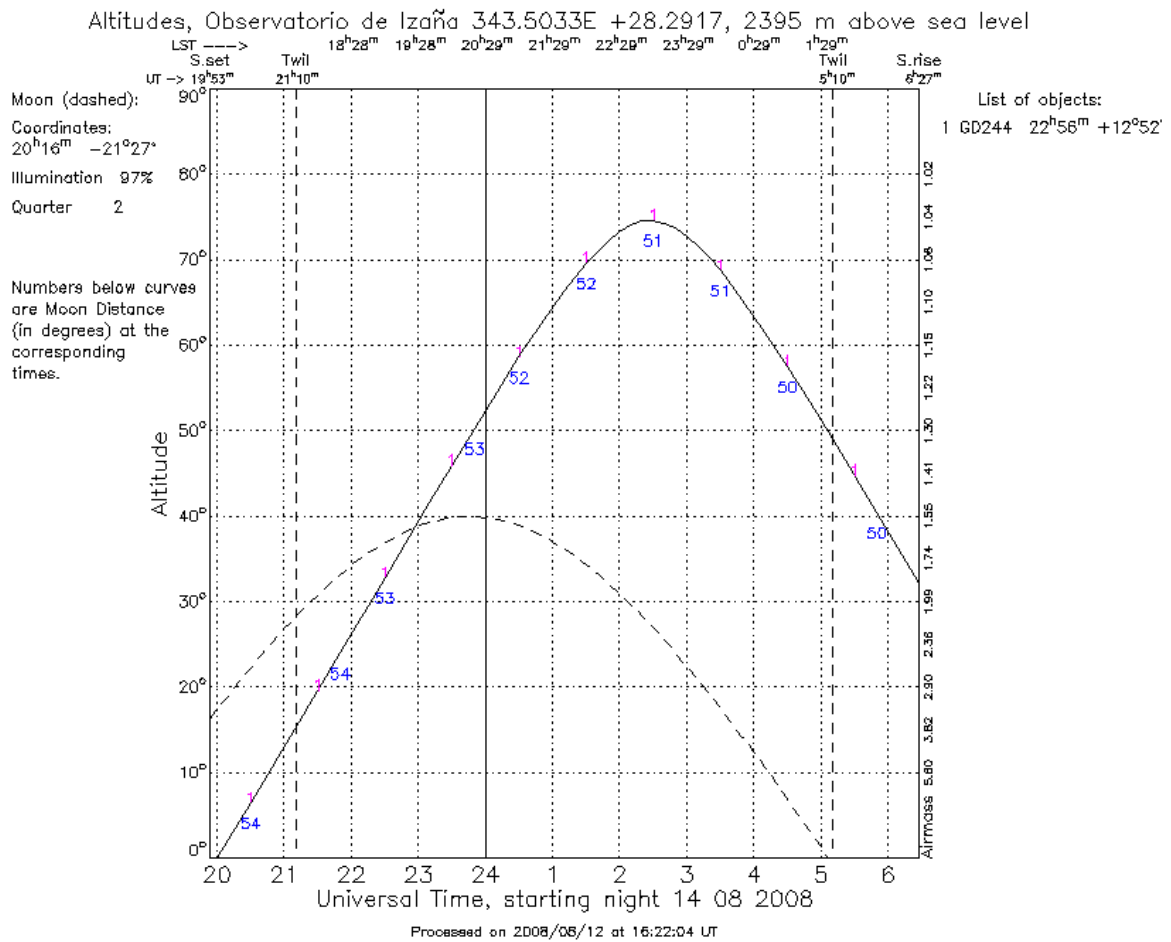


(d) Visibility plot

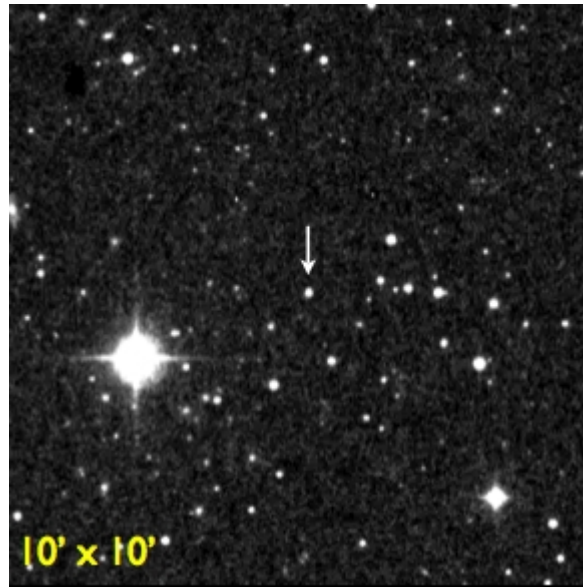
**Team:** 2/B  
**Telescope:** IAC80  
**Night:** 14 August: 02:00 - 04:15

**Proposed target:** Pulsating White Dwarf GD244  
 I = 15.6  
 Period: 203sec  
 Ampl: 0.4%

**Coordinates:** 22 56 46.172 +12 52 50.20

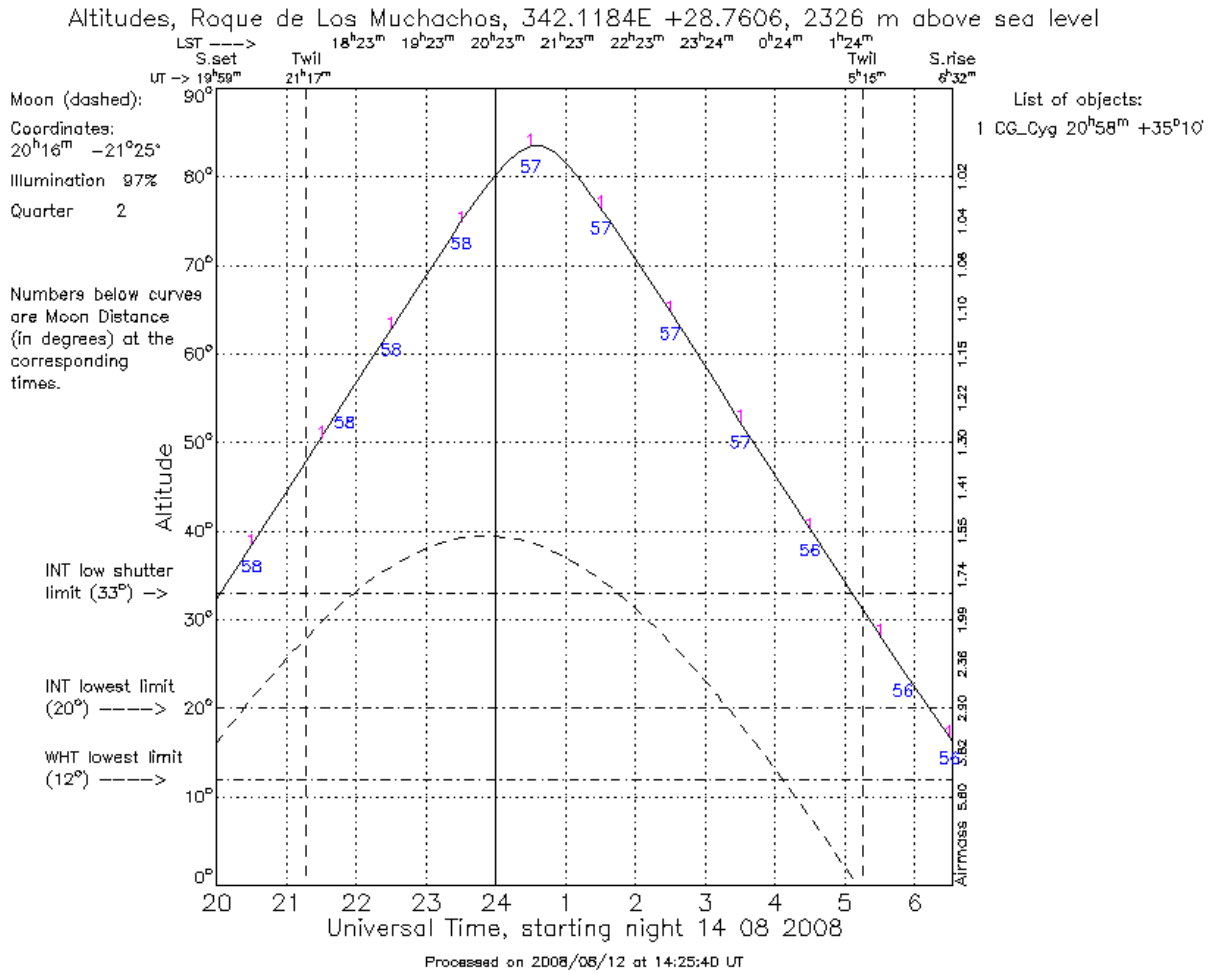


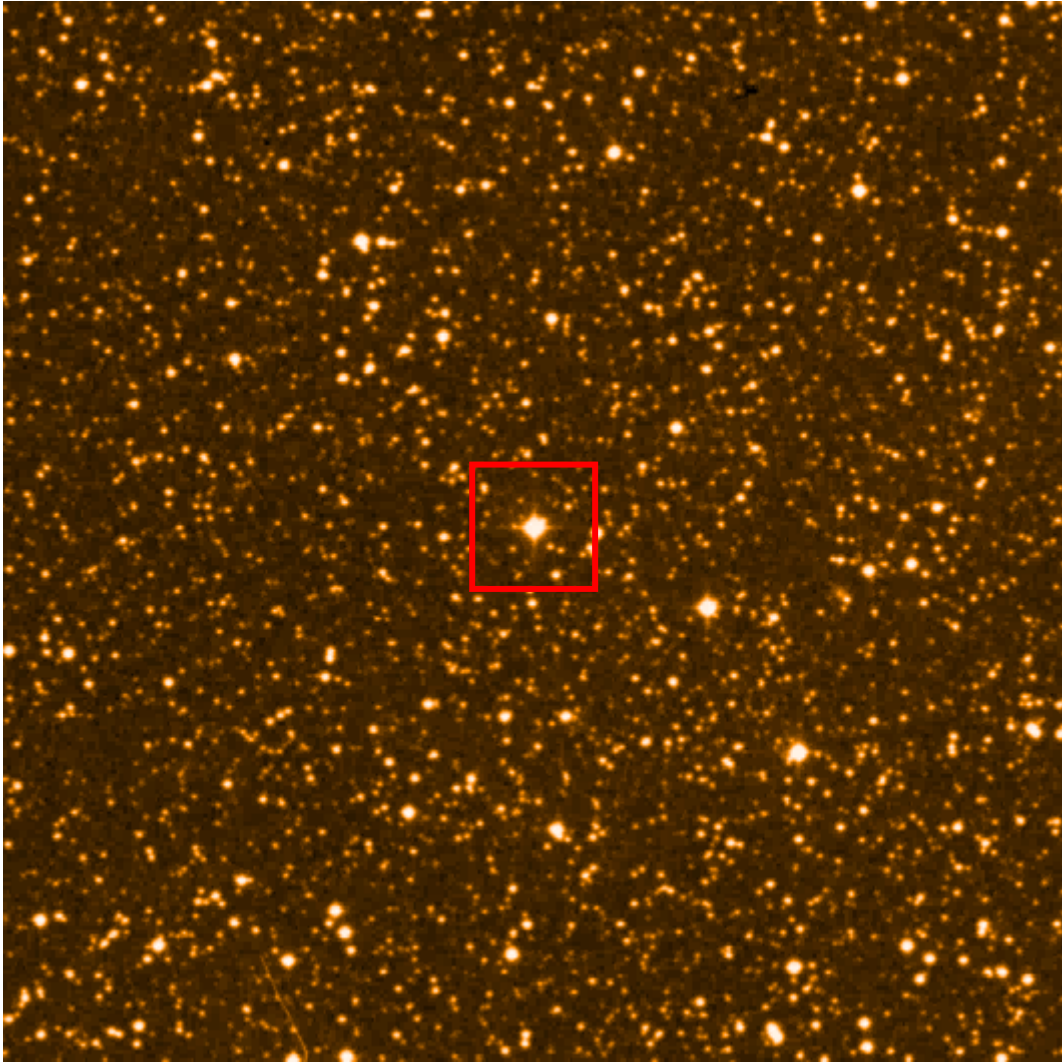
Finding chart: N up, E left



## Proposal 2

**Team:** 3/C  
**Telescope:** NOT  
**Night:** 14<sup>th</sup> of August: 23:00 – 01:00  
**Proposed target:** high-resolution time-series observations of variable star CG Cyg:  
 $V = 9.73$       Period = 0.6311 d;      Amplitude = 1.13 mag  
**Coordinates:**  $\alpha$ : 20 58 13.4525       $\delta$ : +35 10 29.658





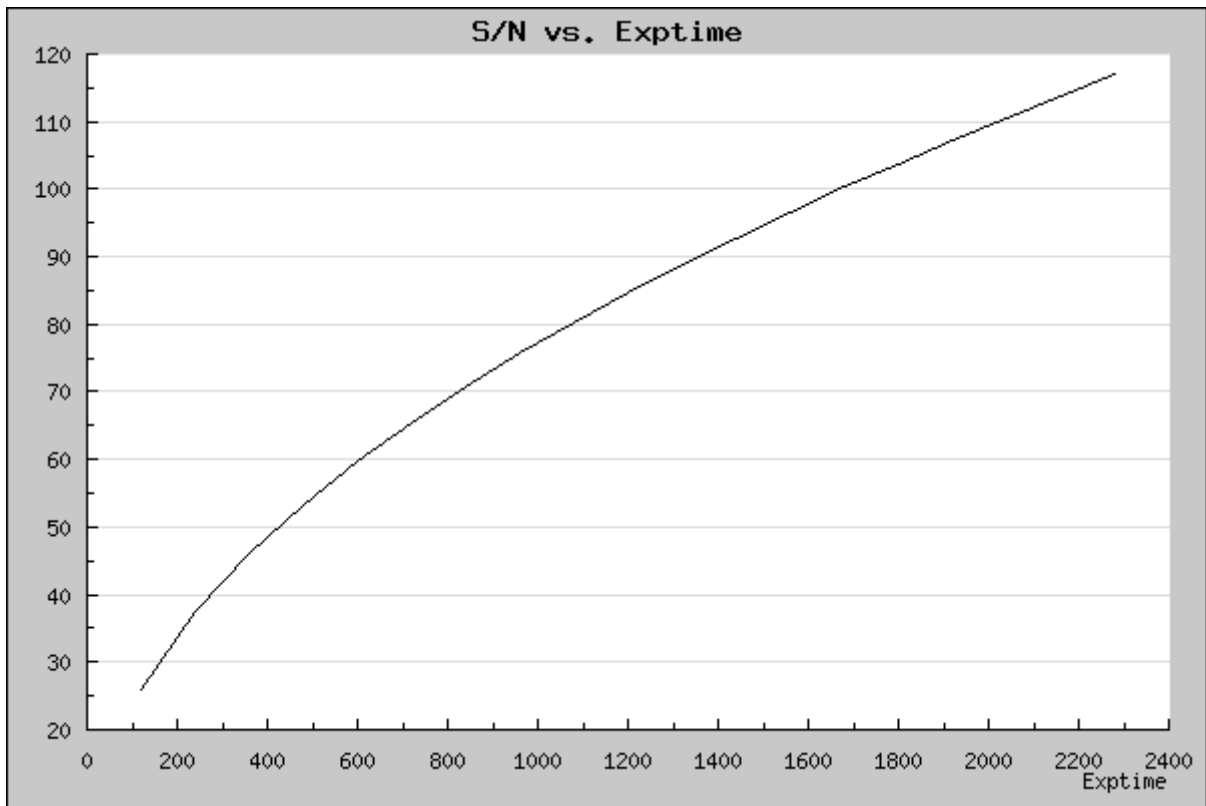
**Window size:** 15" x 15"

S/N ~ 84 @ 1200 sec, FIES high-res spec., V#75 Band

Air mass = 1.4

Extinction = 0.1

Sky brightness G



$\sigma(n) = 0.04$  mag

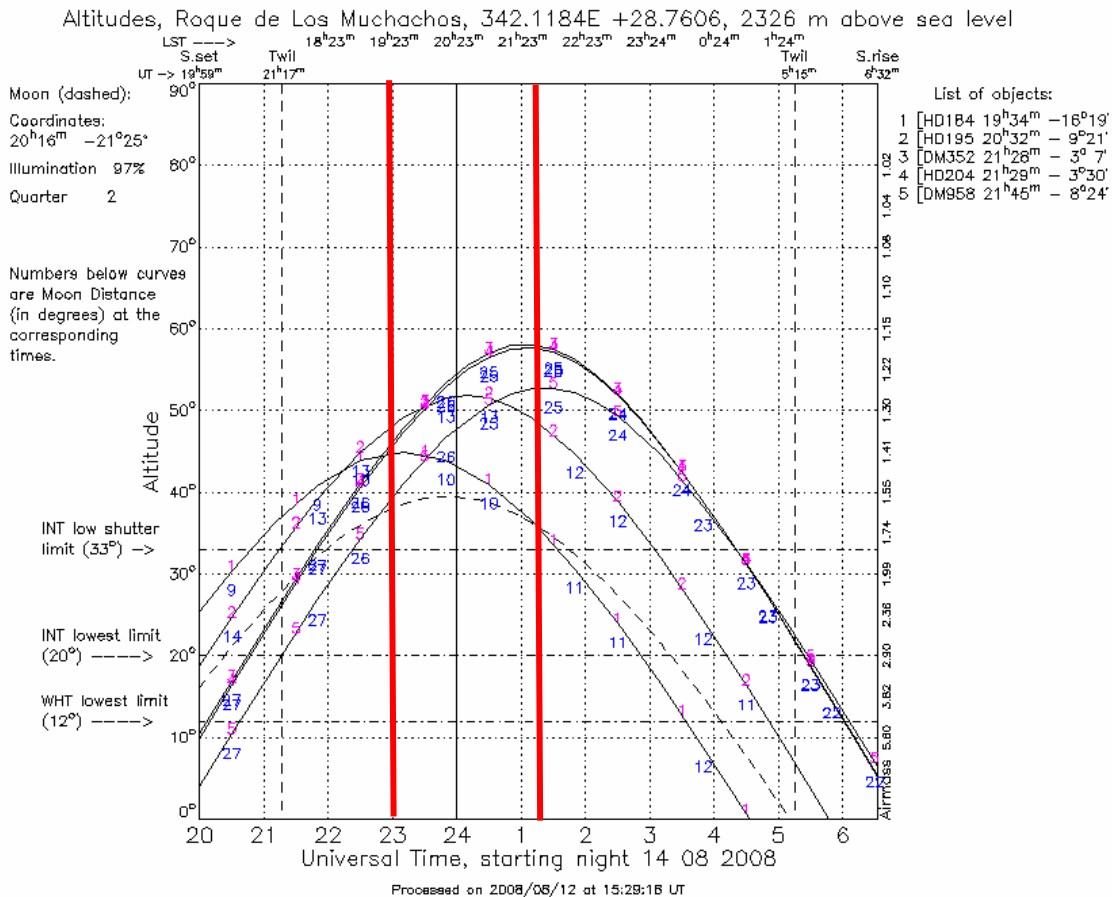
$\sigma(a) = 0.004$  mag

**Team:** 4 / D  
**Telescope:** NOT  
**Night:** August 15, 2008 (23:00 – 2:00 EET)

**Proposed targets:** FIES spectroscopy –High dispersion of:  
 [HD184266] V=7.57 exp= 1500 (s) for ~S/N 200  
 [HD195636] V=9.57 exp= 8000 (s) for ~S/N 200  
 [DM-3.5215] V=10.13 exp= 13000 (s) for ~S/N 200  
 [HD204543] V=8.6 exp= 2500 (s) for ~S/N 200  
 [DM95831] V=9.50 exp= 16000 (s) for ~S/N 200

**Coordinates:**  
 19 34 15.3 -16 19 00.2  
 20 32 48.9 -09 21 51.7  
 21 28 01.3 -03 07 40.9  
 21 29 28.2 -03 30 55.3  
 21 45 30.5 -08 24 35.2

**Visibility chart:**



Finding chart:

