Proposal 4

Team: 3/C

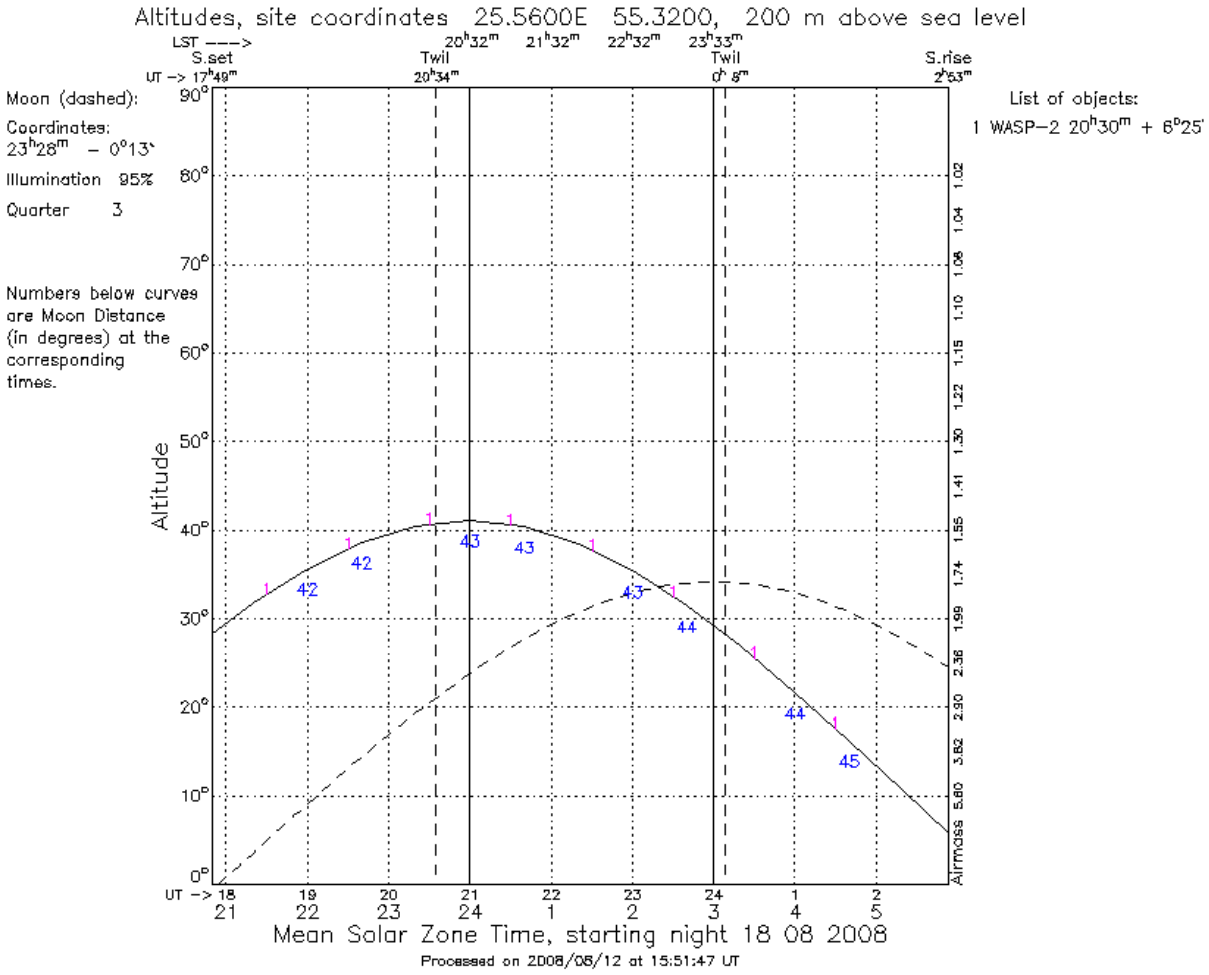
Telescope: 165 cm

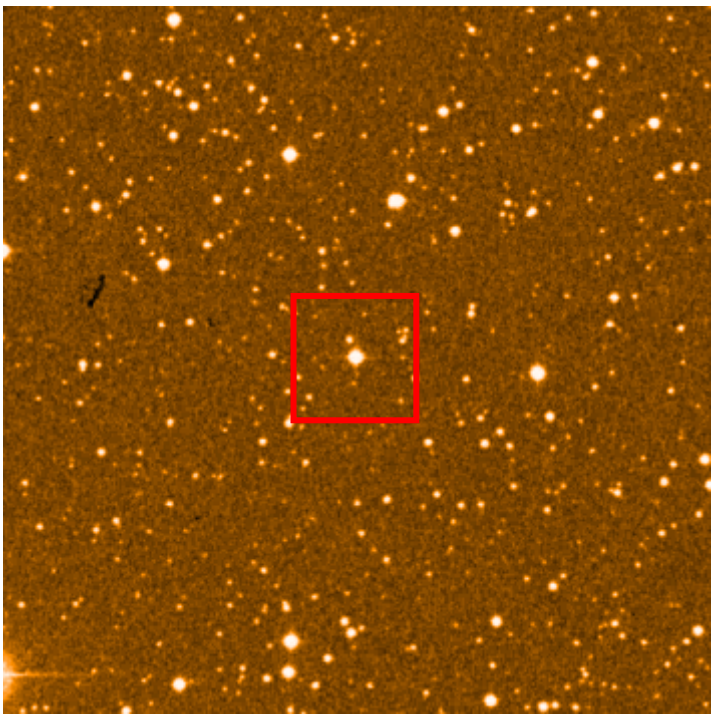
Night: 18th of August: 23:00 – 02:00

Proposed target: exoplanetary transit of WASP-2:

V = 11.98 Period = 2.1522260 d; Amplitude = 0.23 mag

Coordinates: α: 20 30 δ: +06:25



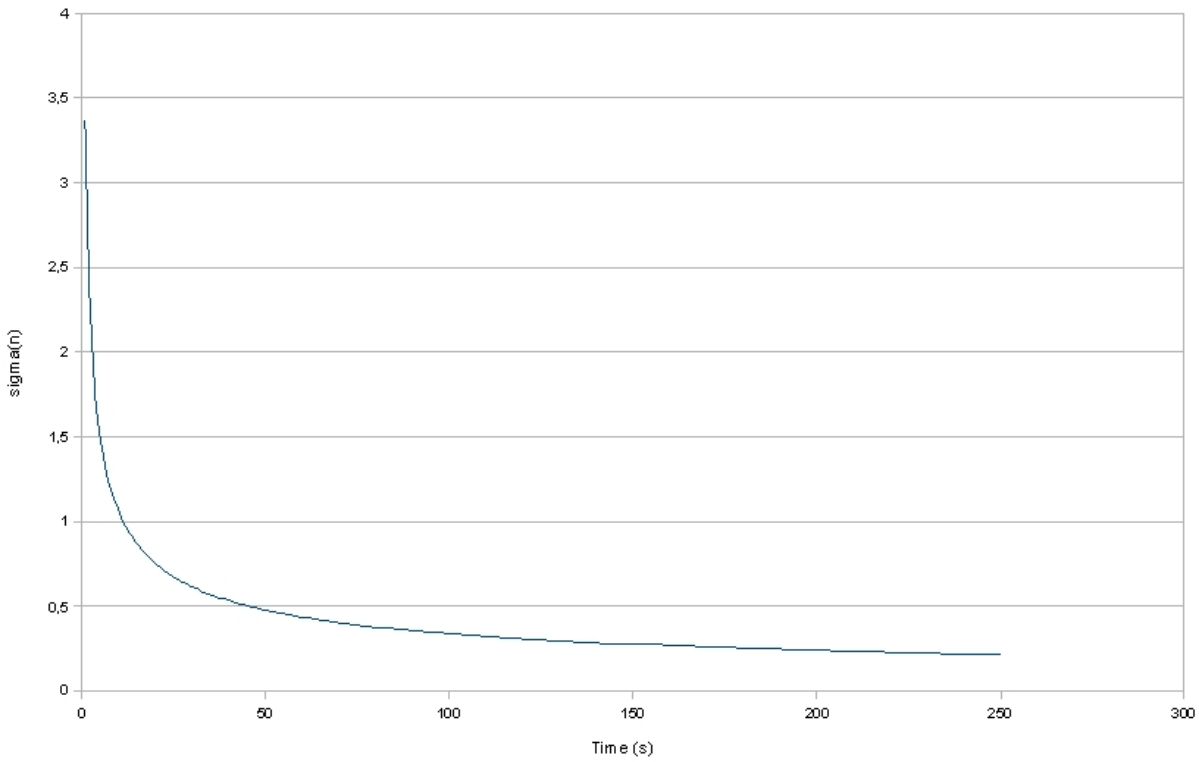


Window size: 10” x 10”

Exposure time: 20 sec

Filter: V

σ(n): 0.75 mmag

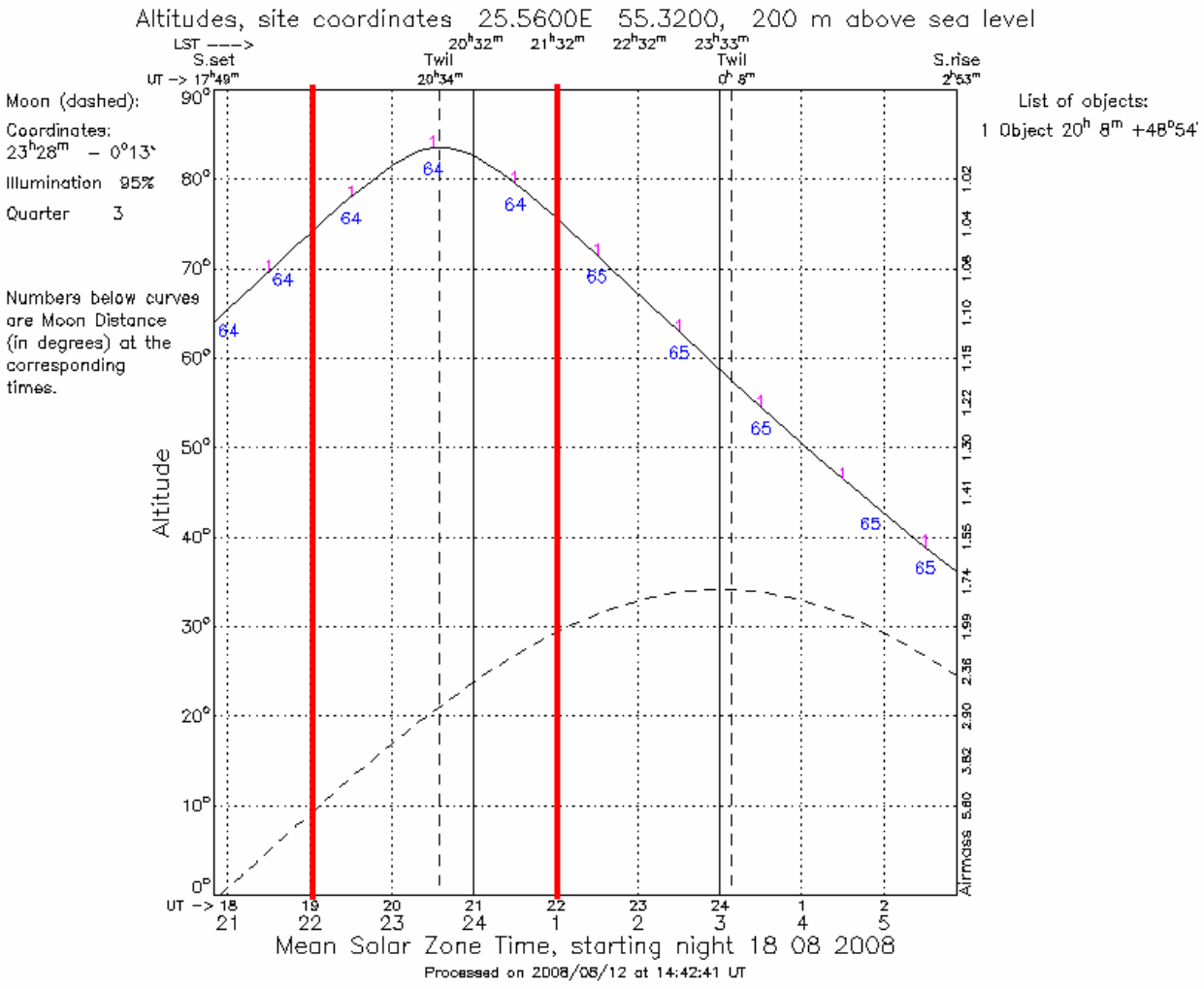


Team: 4 / D
Telescope: L2 63 cm
Night: August 18, 2008 (22:00 – 1:00 EET)

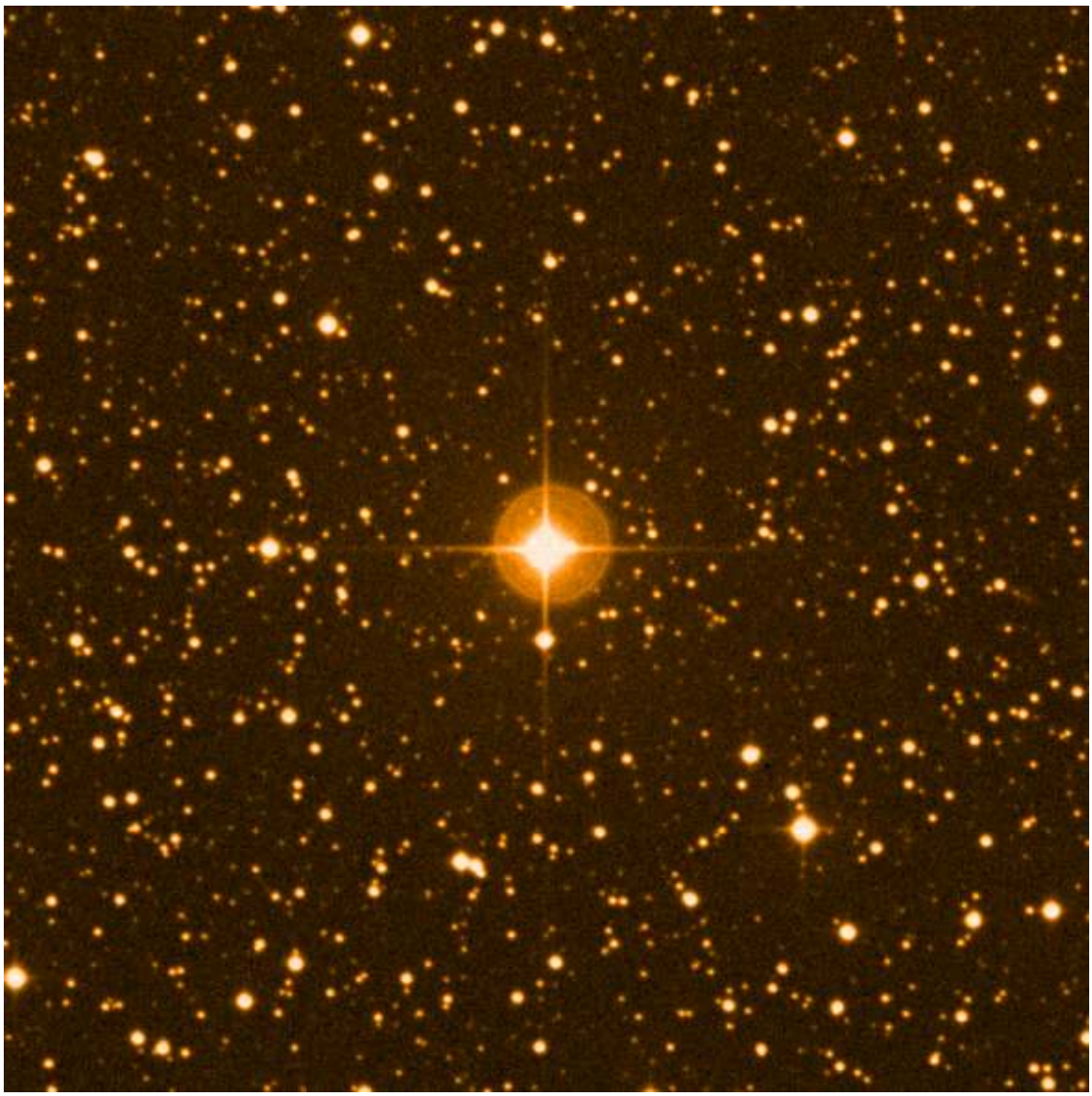
Proposed targets: Time series velocities measurements of **V2109 Cyg**
V = 7.52 mag Period (s): 4 h 28 min
Amplitude: 160 mmag

Coordinates: α: 20 08 50.4 δ: +48 54 39

Visibility chart:



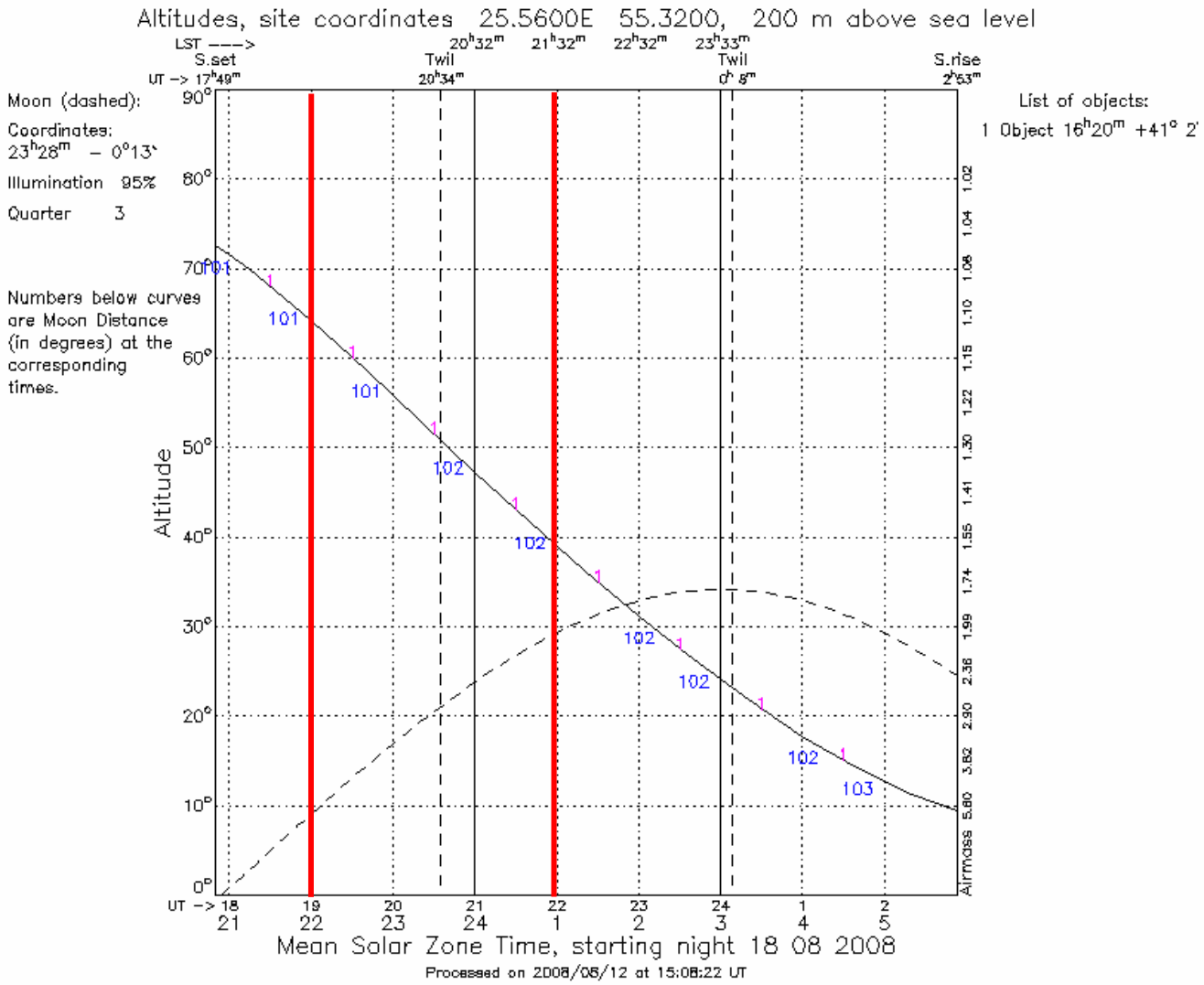
Finding chart:



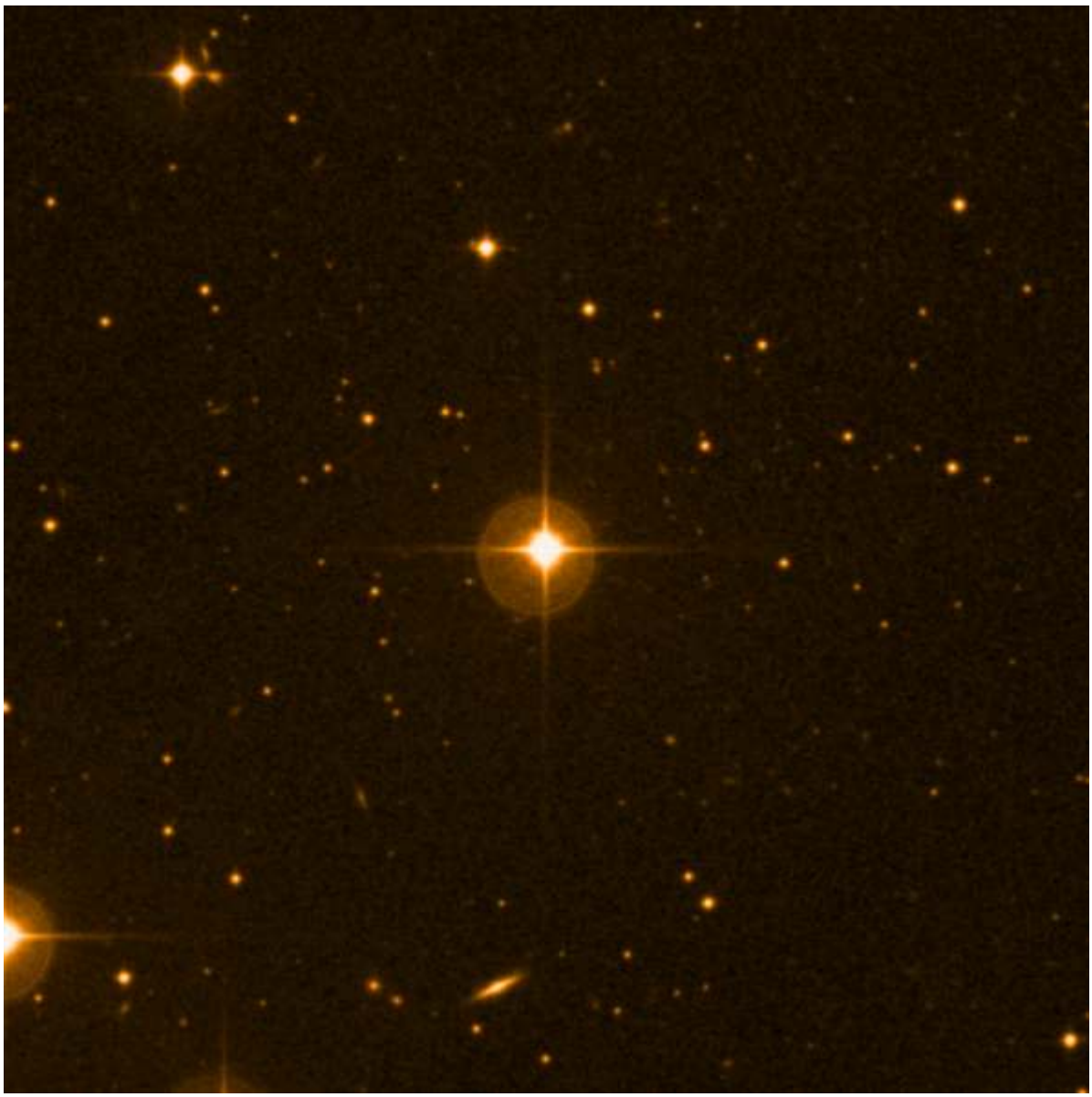
Proposed targets: Mass of exoplanet HAT-P-2b
HD 147506 (V=8.71, F8-type, v_ampl=968 m/s)

Coordinates: α: 16 20 36 δ: +41 02 53

Visibility chart:



Finding chart:



Team: 5/E
Telescope: Maksutov
Night: 18th Aug, 22-01
Proposed program: asteroid hunting

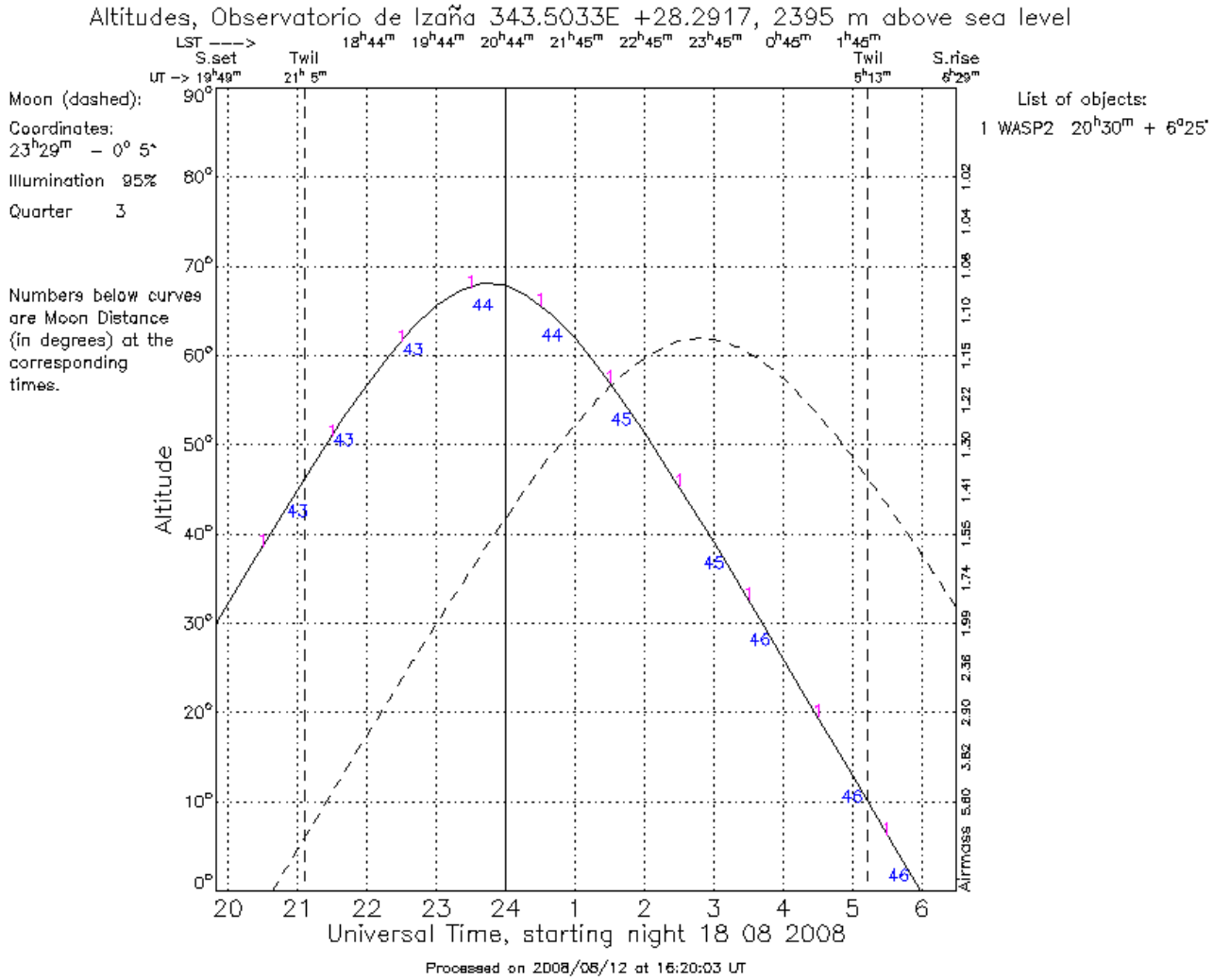
Team: 6 / F

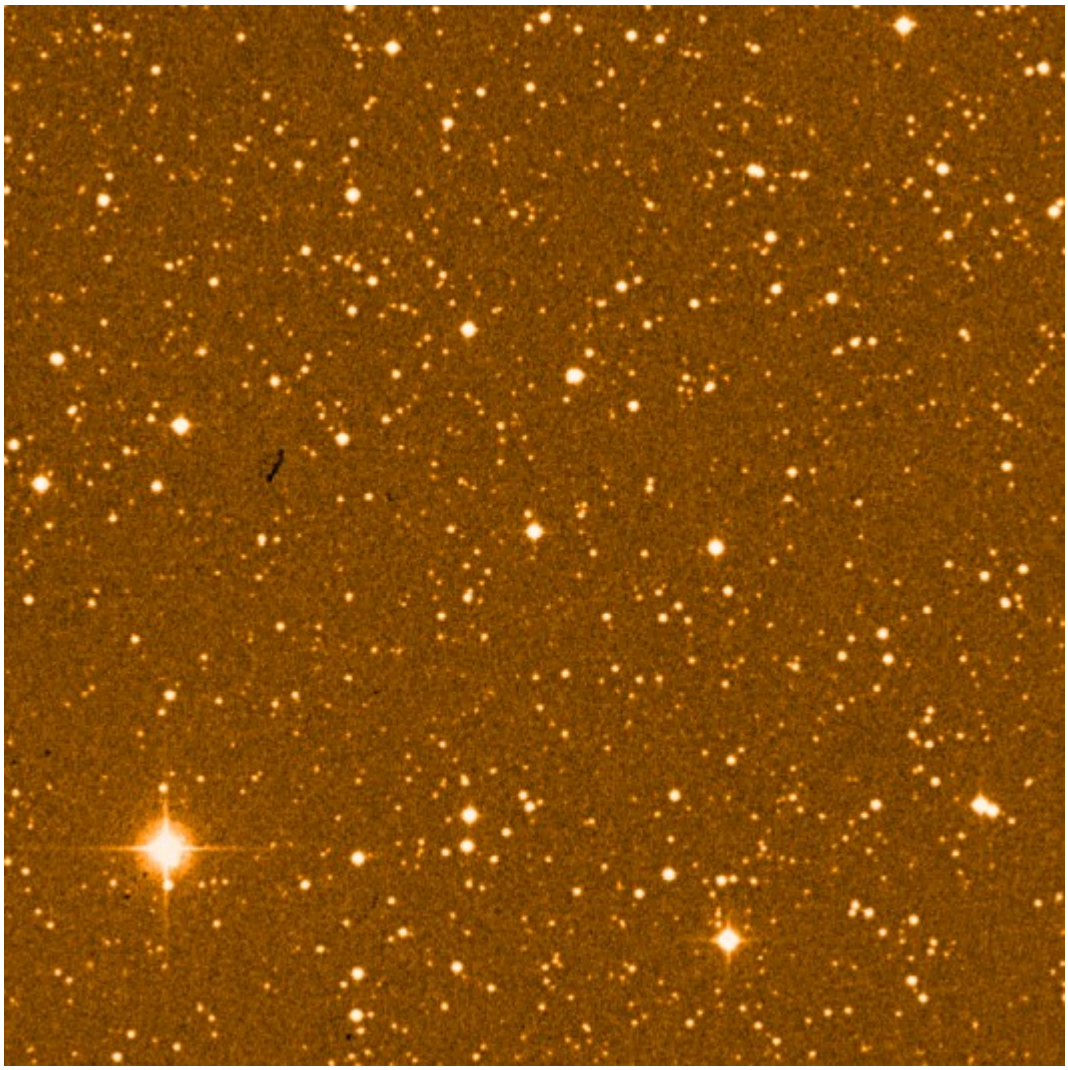
Telescope: IAC80

Night: 18 August 23:00-02:00

Proposed target: WASP-2 V: 12 σ(A)~0.1 X transit depth
(In collaboration with team (9 / I)
Also, we would like to collaborate with a team doing photometry on white dwarfs.

Coordinates: WASP-2 20 30 54.130 +06 25 46.37





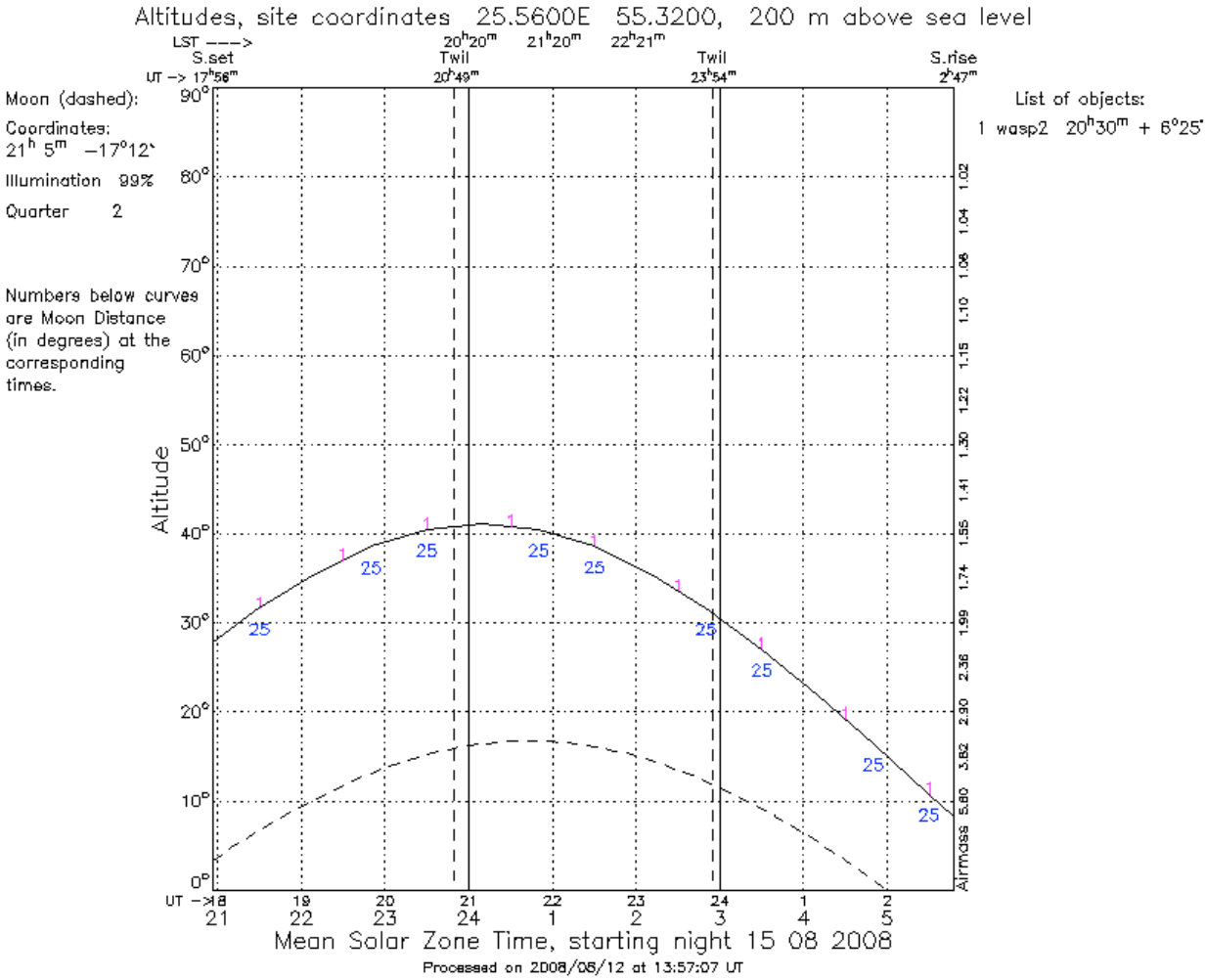
Team: 9/I

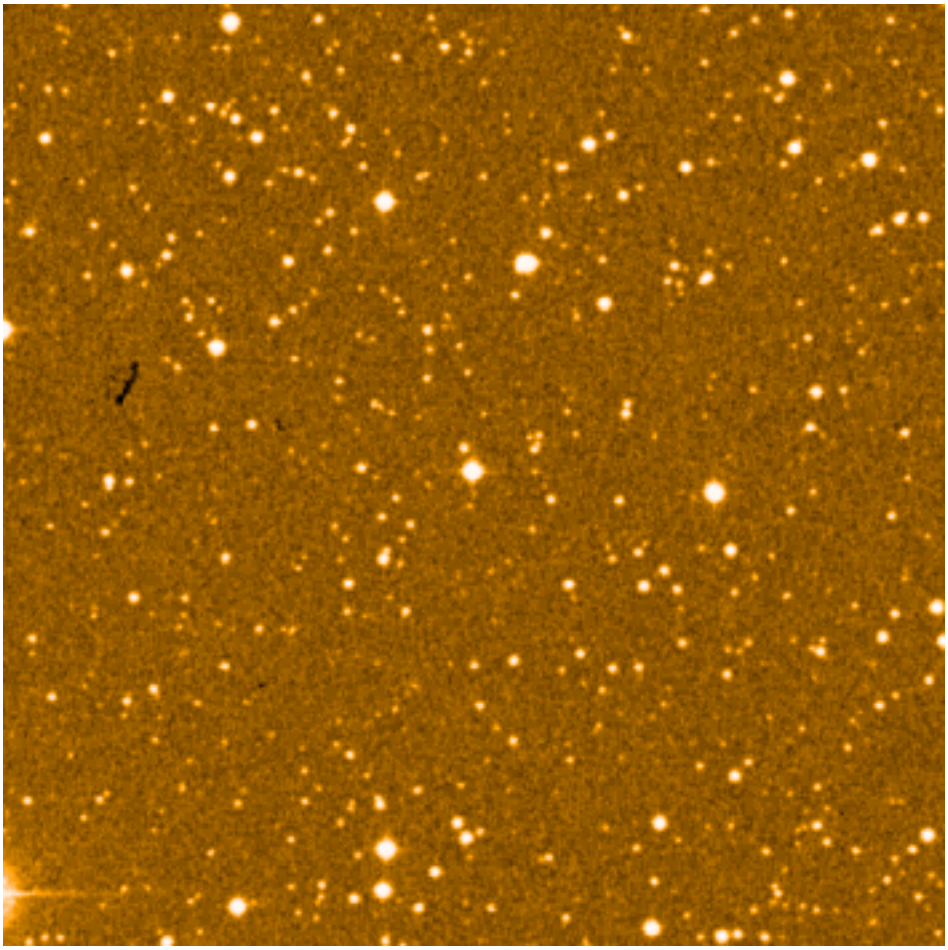
Telescope: IAC80

Night: 18 August: 02:00-04:15

Proposed target: Exoplanet transit. Wasp 2
V=11.98
Exposure time of ~20s with Johnson V filter is enough for a S/N~10.

Coordinates: 20 30 54.130 +06 25 46.37



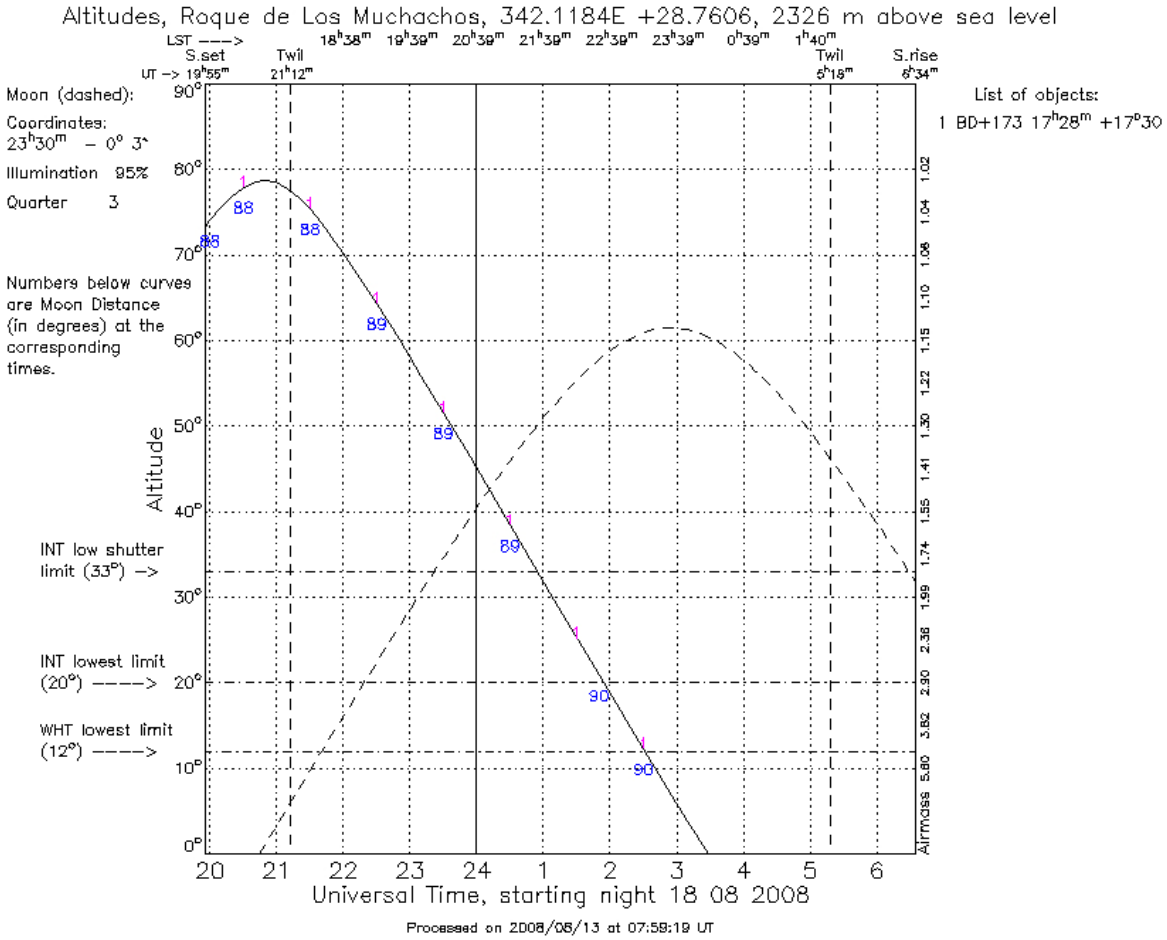


10x10 arcmin

Team:	7/G
Telescope:	NOT (Nordic Optical Telescope)
Night:	August 18, 2008 , 23 – 02 Moletai Local Time
Proposed target:	BD+17 3248 (HIC 85487)
	V = 9.37 , Parallax = 3.67 mas , Spectral type = G0
	σ(a) = 0.009 , SNR = 150 (with the Exp. Time = 3000 sec in V band)

We proposed to observe the metal-poor halo star BD+17 3248 which has been classified as a Red Horizontal Branch (RHB). Cowan et al. (2002, ApJ, 572, 861) has been noted the large n-capture elements to iron for this star with a large overall [Fe/H] metallicity. High resolution spectroscopy of this star is proposed to re-study of these large n-capture overabundances.

Coordinates of object: R.A.: 17 28 14.4702 , Dec.: +17 30 35.844



Team: 8/H

Telescope: NOT

Night: 18. august 02-4.15

Proposed target: HR 8097

Coordinates: 20 08 50.4194 +48 54 39.423