

CEPHEIDS OBSERVATION  
(light curve nr 09/97)**SU Cyg**

25 JUL. 1997

GCVS 1985 data: Max =  $43301.778 + 3.8455473 * E$ 

Type: DCEP

M-m = 0.37

Range: 6.44 - 7.22 V

Spect: F2-G0I-II+B7V

Observer: DALMAZIO Davide (DDL)

Estimates: 107 from Jun to Oct 1988

Instrument: J 50 x 16

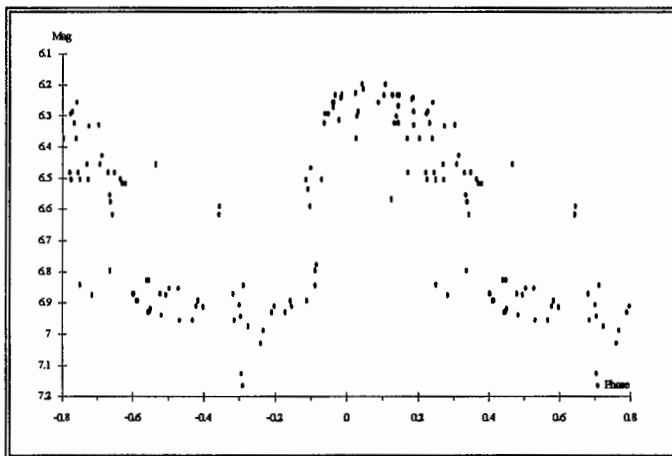
Chart GEOS C5

Personal sequence: B=6.02, C=6.37, D=6.70, E=7.08, F=7.41

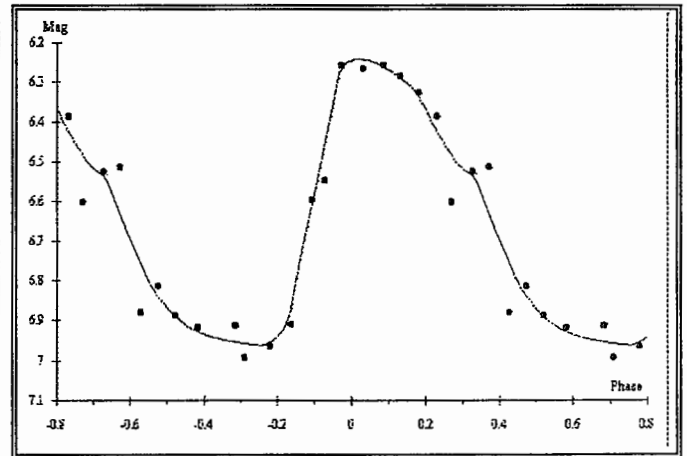
Degree: 0.12 mag

Nr	Phase	Mag	Nr	Phase	Mag
6	0.033	6.26	3	0.520	6.88
1	0.087	6.25	4	0.582	6.91
11	0.132	6.28	0	-	-
6	0.179	6.32	2	0.683	6.91
10	0.230	6.38	6	0.708	6.99
5	0.270	6.60	4	0.779	6.96
9	0.328	6.52	3	0.839	6.91
3	0.370	6.51	5	0.892	6.59
8	0.425	6.88	7	0.928	6.54
5	0.474	6.81	7	0.972	6.25

Table of mean values



Raw light curve



Mean light curve

Phase MIN =  $0.73 \pm 0.06$ Phase MAX =  $0.07 \pm 0.03$ M-m =  $0.34 \pm 0.09$ 

Mag MIN = 7.0

Mag MAX = 6.2

Amplitude = 0.8

Mean MAX (JD) =  $47389.86 \pm 0.11$ O-C (GCVS 85) =  $0.26 \pm 0.11$  d

Note: phases of extremum points on mean light curve have been calculated by SOP program. Two points with difference more than  $3\sigma$  have been discarded.

DDL