

CEPHEIDS OBSERVATION
(light curve nr 20/97)

SU Cas

14 NOV. 1997

GCVS 1985 data: Max = 38000.598 + 1.949319 * E
 Type: DCEPS M-m = 0.40 Range: 5.70 - 6.18 V Spect: F5IB-II-F7IB-II

Observer: VANDENBROERE Jacqueline (VBR)

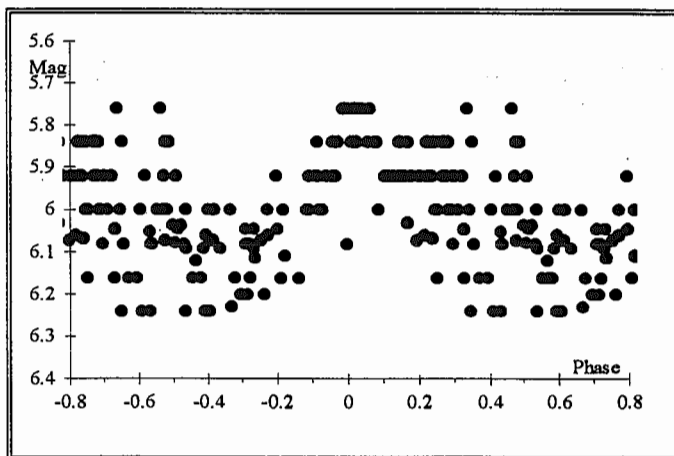
Estimates: 145 from Jul 1988 to Mar 1989 Instrument: Bin 7 x 42

Personal sequence: A=6.00, B=6.18, C=6.80

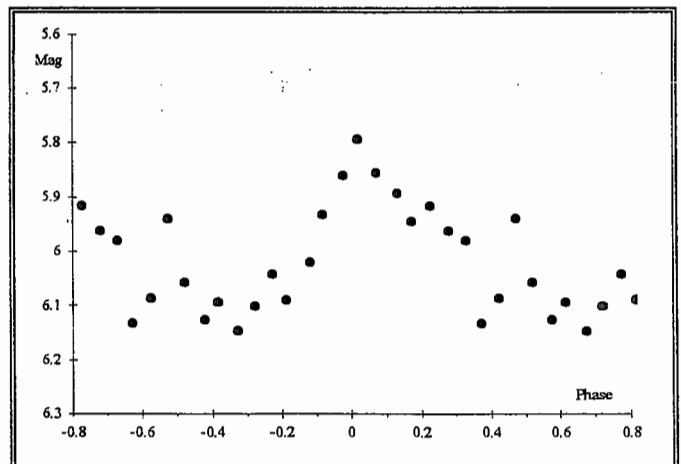
Degree=0.15 mag

Nr	Phase	Mag	Nr	Phase	Mag
7	0.020	5.79	9	0.522	6.05
5	0.072	5.85	9	0.577	6.12
6	0.130	5.89	5	0.615	6.09
7	0.171	5.94	4	0.674	6.14
13	0.227	5.91	8	0.721	6.10
15	0.278	5.96	7	0.773	6.04
10	0.328	5.98	3	0.814	6.08
13	0.371	6.13	4	0.881	6.02
7	0.423	6.08	6	0.919	5.93
9	0.474	5.94	8	0.977	5.86

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.66 ± 0.05 Phase MAX = 0.03 ± 0.03 M-m = 0.37 ± 0.08

Mag MIN = 6.2

Mag MAX = 5.8

Amplitude = 0.4

Mean MAX (JD) = 47487.99 ± 0.06 O-C (GCVS 85) = 0.06 ± 0.06 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 18/97)

W Gem

GCVS 1985 data: Max = 42755.191 + 7.913779 * E

Type: DCEP

M-m = 0.30

Range: 6.54 - 7.38 V

Spect: F5-G1

Observer: CHECCUCCI Mario (CHC)

Estimates: 95 from Oct 1991 to Apr 1993 Instrument: Bin 20 x 80

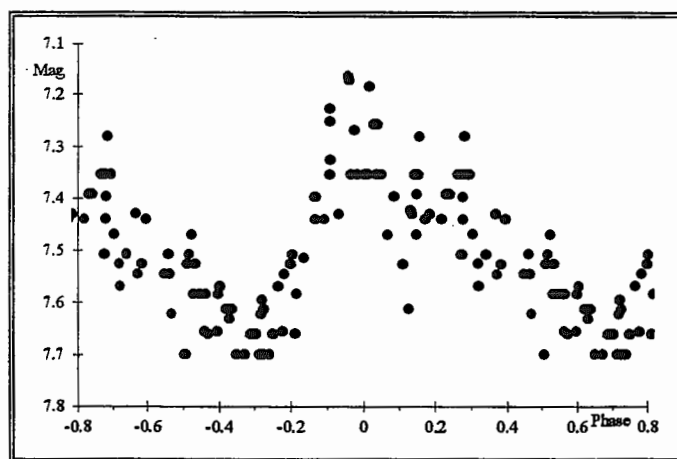
Chart GEOS C73

Personal sequence: B=7.10, C=7.35, D=7.70

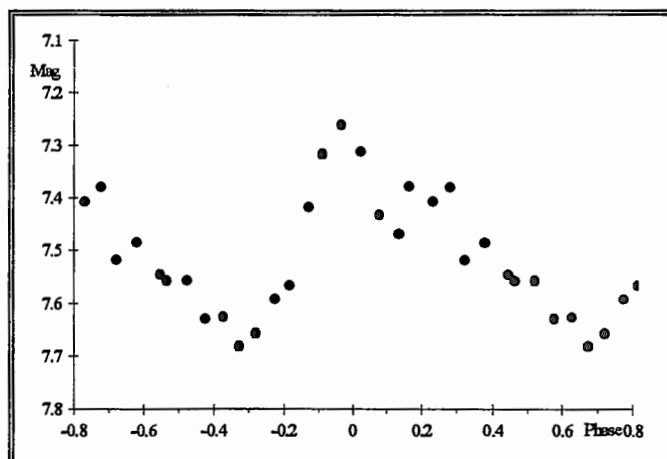
Degree=0.08 mag

Nr	Phase	Mag	Nr	Phase	Mag
9	0.023	7.31	7	0.525	7.55
2	0.077	7.43	5	0.579	7.62
6	0.133	7.46	5	0.628	7.62
5	0.163	7.37	5	0.675	7.68
3	0.232	7.40	7	0.721	7.65
8	0.279	7.37	5	0.775	7.59
4	0.322	7.51	4	0.817	7.56
4	0.381	7.48	4	0.873	7.41
1	0.448	7.54	5	0.912	7.31
3	0.465	7.55	5	0.968	7.26

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.67 ± 0.01

Phase MAX = -0.02 ± 0.01

M-m = 0.31 ± 0.02

Mag MIN = 7.7

Mag MAX = 7.2

Amplitude = 0.5

Mean MAX (JD) = 48824.90 ± 0.08

O-C (GCVS 85) = 0.16 ± 0.08 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program. In order to obtain a consistent number of points three years estimates were collected.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 19/97)**SU Cyg**

14 NOV. 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: FADDA Maurizio (FDD)

Estimates: 56 from May 1992 to Jun 1994

Instrument: J 50

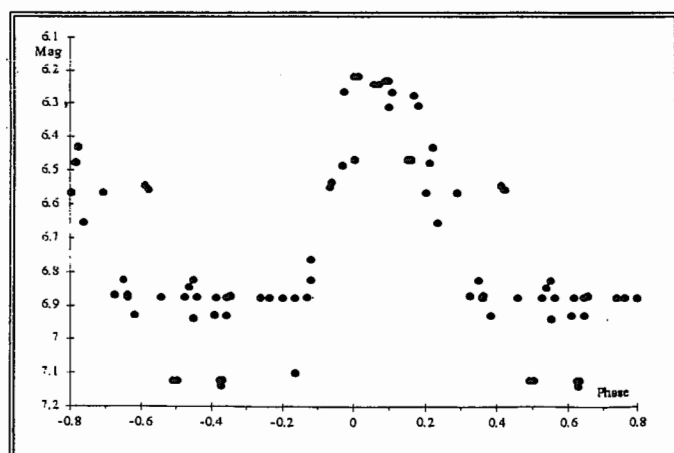
Chart GEOS C93

Personal sequence: B=6.04, C=6.40, D=6.72, E=7.03, F=7.30

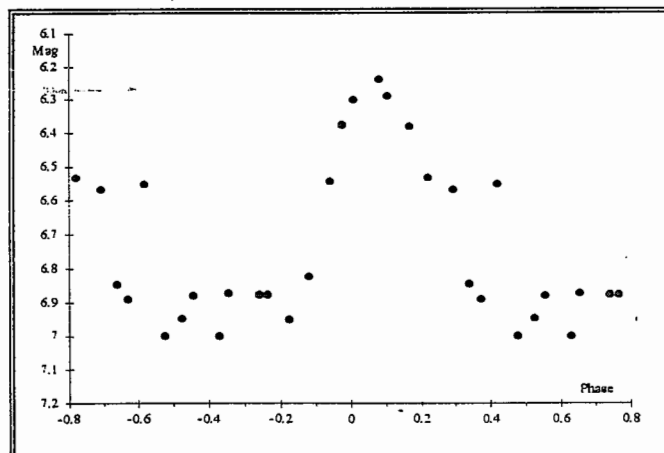
Degree=0.059 mag

Nr	Phase	Mag	Nr	Phase	Mag
3	0.009	6.30	3	0.523	6.94
6	0.080	6.23	3	0.554	6.88
2	0.105	6.29	7	0.628	6.99
4	0.168	6.38	1	0.654	6.87
4	0.220	6.53	2	0.739	6.87
1	0.292	6.56	1	0.763	6.87
2	0.338	6.84	3	0.825	6.95
3	0.370	6.89	3	0.877	6.82
2	0.418	6.55	2	0.938	6.54
2	0.475	6.99	2	0.974	6.37

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.63 ± 0.11 Phase MAX = 0.07 ± 0.01 M-m = 0.44 ± 0.12

Mag MIN = 7.0

Mag MAX = 6.2

Amplitude = 0.8

Mean MAX (JD) = 49128.05 ± 0.04 O-C (GCVS 85) = 0.27 ± 0.04 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program.

Davide DALMAZIO (DDL)