

CEPHEIDS OBSERVATION
(light curve nr 40/98)

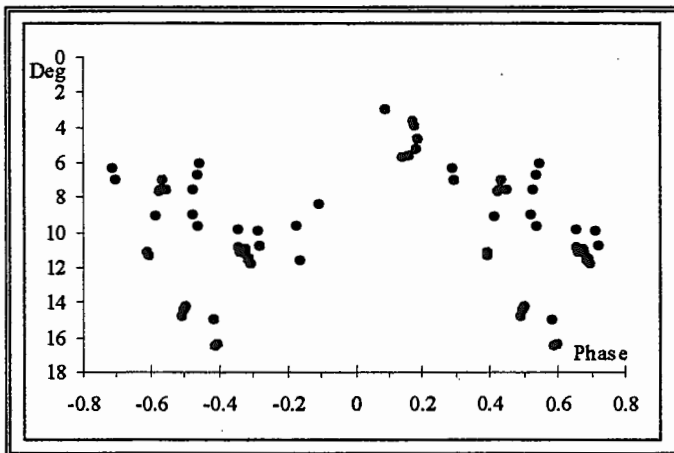
TU Cas

GCVS 1985 data: Max = 41704.839 + 2.139298 * E
 Type: CEP(B) M-m = 0.31 Range: 6.88 - 8.18 V Spect: F3II-F5II

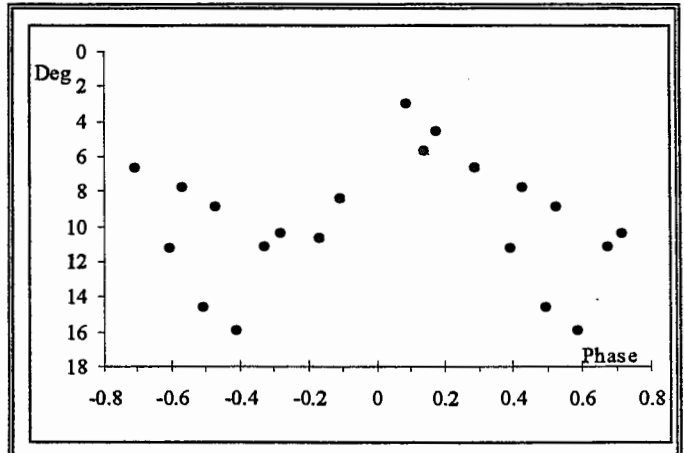
Observer: PAMPALONI Carlo (PMP)
 Estimates: 41 from Oct 1976 to Feb 1977 Instrument: Bin 80
 Personal sequence: B=0.00, C=3.50, E=8.62, F=13.77, G=19.92 degrees

Nr	Phase	Deg	Nr	Phase	Deg
0	-	-	6	0.528	8.87
1	0.089	2.99	3	0.590	15.97
1	0.141	5.75	0	-	-
5	0.177	4.63	7	0.675	11.13
0	-	-	2	0.717	10.36
2	0.292	6.70	0	-	-
0	-	-	1	0.831	10.65
2	0.394	11.24	1	0.895	8.45
5	0.430	7.80	0	-	-
2	0.495	14.63	0	-	-

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.63 ± 0.06
 Phase MAX = 0.08 ± 0.06
 M-m = 0.45 ± 0.12

Mean MAX (JD) = 43123.365 ± 0.13
 O-C (GCVS 85) = 0.17 ± 0.13 d

Note: phases of extremum points on mean light curve have been calculated by SOP program.

CEPHEIDS OBSERVATION
(light curve nr 39/98)

SU Cyg

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: PAMPALONI Carlo (PMP)

Estimates: 144 from Jun to Dec 1977

Instrument: Bin 11 x 50

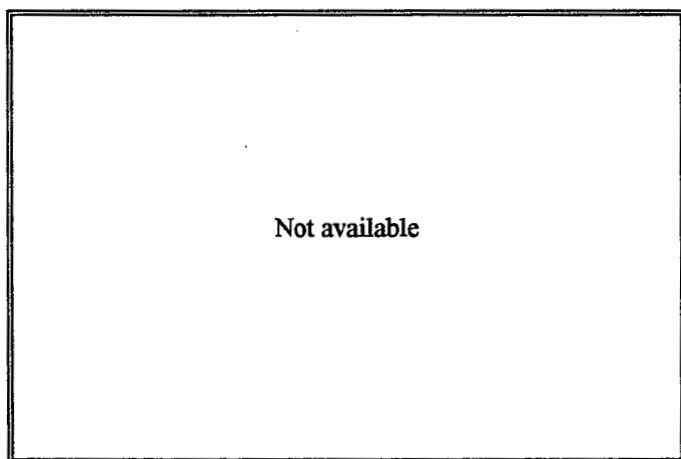
Chart GEOS C93

Personal sequence: B=6.02, C=6.35, D=6.72, E=7.10

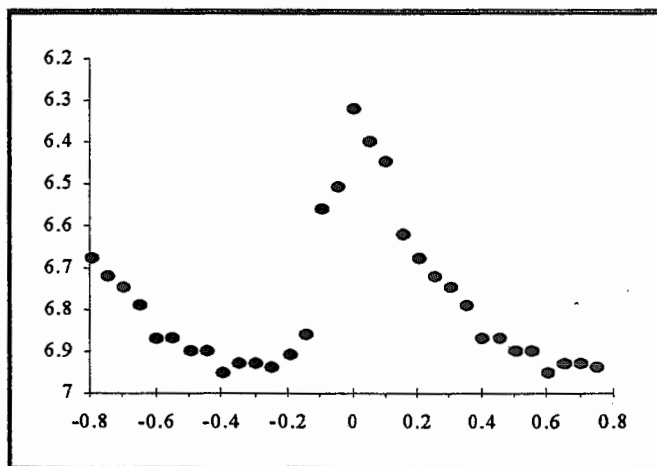
Degree = 0.07 mag

Nr	Phase	Mag	Nr	Phase	Mag
7	0.01	6.32	4	0.51	6.9
11	0.06	6.4	5	0.56	6.9
7	0.11	6.45	3	0.61	6.95
5	0.16	6.62	8	0.66	6.93
4	0.21	6.68	8	0.71	6.93
3	0.26	6.72	6	0.76	6.94
5	0.31	6.75	4	0.81	6.91
9	0.36	6.79	5	0.86	6.86
11	0.41	6.87	5	0.91	6.56
5	0.46	6.87	5	0.96	6.51

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.69 ± 0.06

Phase MAX = 0.03 ± 0.03

M-m = 0.34 ± 0.09

Mag MIN = 6.9

Mag MAX = 6.3

Amplitude = 0.6

Mean MAX (JD) = 43390.34 ± 0.11

O-C (GCVS 85) = 0.11 ± 0.11 d

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

CEPHEIDS OBSERVATION
(light curve nr 41/98)**X Cyg**

GCVS 1985 data: Max = 43830.387 + 16.386332 * E
 Type: DCEP M-m = 0.35 Range: 5.85 - 6.91 V Spect: F7IB - G8IB

Observer: PAMPALONI Carlo (PMP)

Estimates: 63 from Jun to Dec 1976

Instrument: Bin 11 x 80

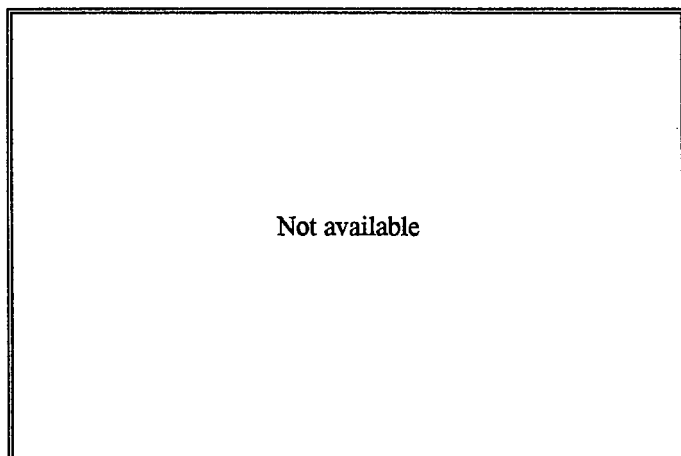
Chart GEOS C5

Personal sequence: C=5.81, D=6.27, E=6.65, F=7.07

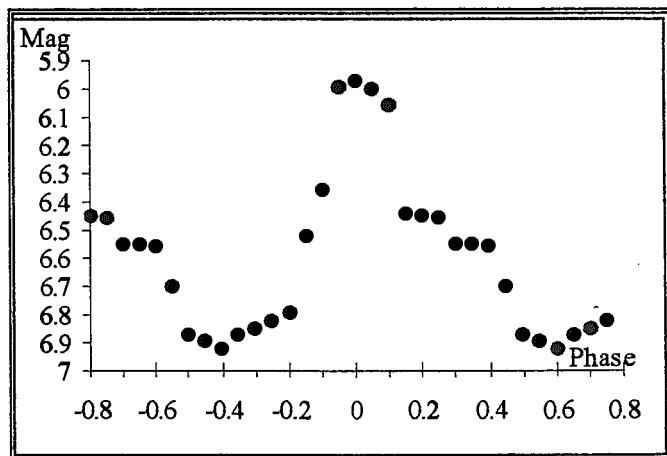
Degree: 0.08 mag

Nr	Phase	Mag	Nr	Phase	Mag
3	0.005	5.97	6	0.505	6.87
1	0.055	6.00	6	0.555	6.89
1	0.105	6.06	4	0.605	6.92
3	0.155	6.44	3	0.655	6.87
8	0.205	6.45	4	0.705	6.85
8	0.255	6.46	7	0.755	6.82
11	0.305	6.55	4	0.805	6.79
13	0.355	6.55	8	0.855	6.52
8	0.405	6.56	10	0.905	6.36
4	0.455	6.70	5	0.955	5.99

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.61 ± 0.03

Mag MIN = 6.9

Phase MAX = 0.01 ± 0.04

Mag MAX = 6.0

M-m = 0.40 ± 0.07

Amplitude = 0.9

Mean MAX (JD) = 43060.41 ± 0.6 O-C (GCVS 85) = 0.18 ± 0.6 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program.
 11 wrong estimates were discarded.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 38/98)**X Cyg**

GCVS 1985 data: Max = 43830.387 + 16.386332 * E

Type: DCEP

M-m = 0.35

Range: 5.85 - 6.91 V

Spect: F7IB - G8IB

Observer: DALMAZIO Davide (DDL)

Estimates: 90 from Jun to Sep 1990

Instrument: J 50 x 16

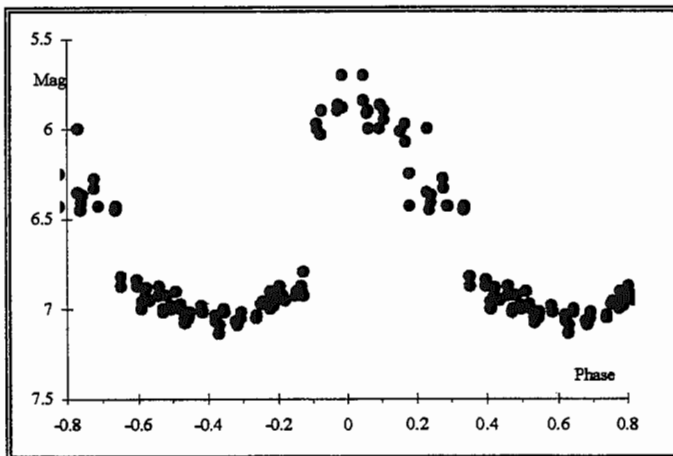
Chart GEOS C5

Personal sequence: C=5.70,D=6.20,E=6.66,F=7.20

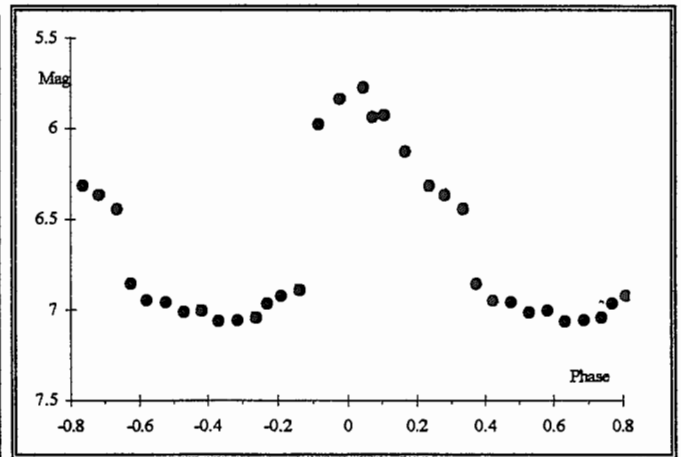
Degree: 0.10 mag

Nr	Phase	Mag	Nr	Phase	Mag
2	0.045	5.77	7	0.529	7.01
5	0.072	5.93	2	0.582	7.00
2	0.105	5.92	6	0.631	7.06
6	0.166	6.12	4	0.686	7.06
5	0.236	6.31	2	0.738	7.04
4	0.282	6.36	7	0.770	6.96
2	0.335	6.44	4	0.809	6.92
4	0.374	6.85	6	0.863	6.89
6	0.422	6.94	4	0.916	5.97
8	0.477	6.96	4	0.977	5.83

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.64 ± 0.03

Mag MIN = 7.1

Phase MAX = 0.03 ± 0.02

Mag MAX = 5.7

M-m = 0.39 ± 0.05

Amplitude = 1.4

Mean MAX (JD) = 48091.32 ± 0.33 O-C (GCVS 85) = 0.5 ± 0.3 d

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

Davide DALMAZIO (DDL)