

## CEPHEIDS OBSERVATION

(light curve nr 43/98)

**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: 101 from Jun to Dec 1977

Instrument: Bin 1.1 x 50

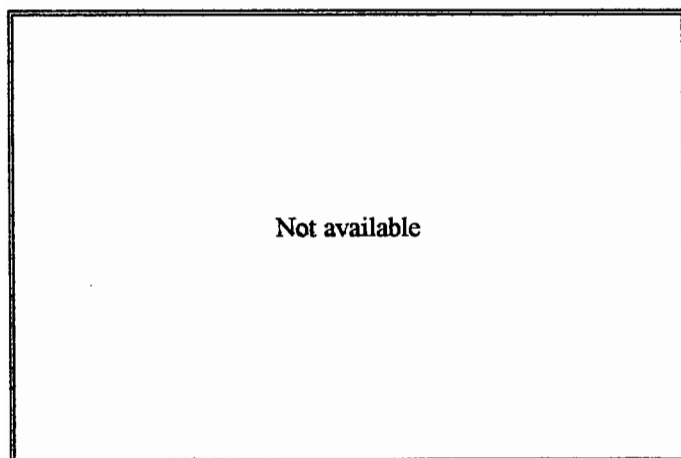
Chart GEOS C5

Personal sequence: C=5.80, D=6.28, E=6.62, F=7.09

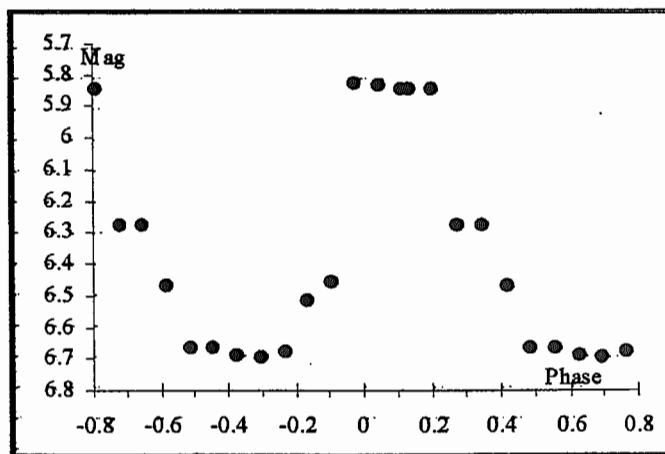
Degree: 0.08 mag

Nr	Phase	Mag	Nr	Phase	Mag
13	0.045	5.84	15	0.695	6.7
6	0.115	5.85	7	0.765	6.68
6	0.135	5.85	3	0.835	6.52
3	0.205	5.85	2	0.905	6.46
1	0.275	6.28	7	0.975	5.83
2	0.345	6.28			
2	0.415	6.47			
9	0.485	6.67			
8	0.555	6.67			
10	0.625	6.69			

Table of mean values



Raw light curve



Mean light curve

Phase MIN =  $0.69 \pm 0.06$ 

Mag MIN = 6.7

Phase MAX =  $-0.01 \pm 0.04$ 

Mag MAX = 5.8

M-m =  $0.30 \pm 0.10$ 

Amplitude = 0.9

Mean MAX (JD) =  $43453.42 \pm 0.6$ O-C (GCVS 85) =  $-0.2 \pm 0.6$  d

Note: phases of maximum and minimum of the mean light curve have been calculated by Pogson's method. The SOP program gave maximum at 0.09 phase. Points were grouped in ranges of 0.07 phase.

Davide DALMAZIO (DDL)

## CEPHEIDS OBSERVATION

(light curve nr 42/98)

**DT Cyg**GCVS 1985 data: Max =  $44046.969 + 2.499215 * E$ 

Type: DCEPS

M-m = 0.48

Range: 5.57 – 5.96 V

Spect: F5.5 – F7IB-II

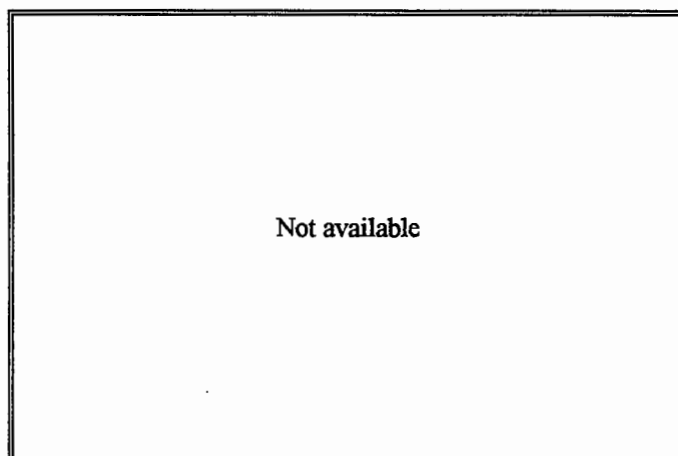
Observer: PAMPALONI Carlo (PMP)

Estimates: 128 from Jun to Dec 1977

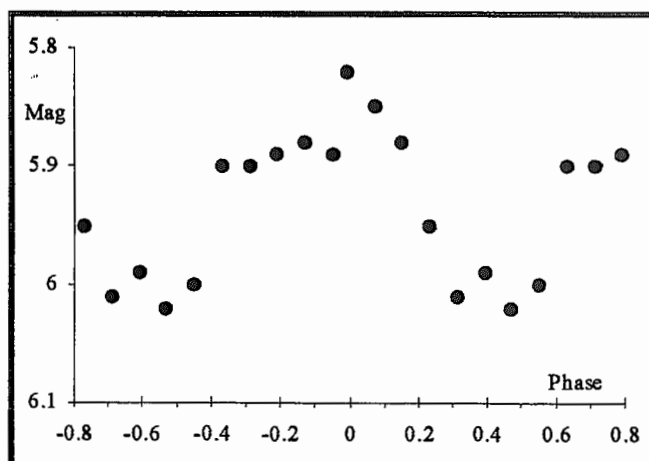
Instrument: Bin 6 x 30

Nr	Phase	Mag	Nr	Phase	Mag
12	0.07	5.85	15	0.63	5.90
4	0.15	5.88	12	0.71	5.90
14	0.23	5.95	8	0.79	5.89
11	0.31	6.01	16	0.87	5.88
4	0.39	5.99	6	0.95	5.89
8	0.47	6.02	6	0.99	5.82
3	0.55	6.00			

Table of mean values



Raw light curve



Mean light curve

Phase MIN =  $0.44 \pm 0.07$ Phase MAX =  $-0.02 \pm 0.10$ M-m =  $0.54 \pm 0.17$ 

Mag MIN = 5.8

Mag MAX = 6.0

Amplitude = 0.2

Mean MAX (JD) =  $43499.6 \pm 0.2$ O-C (GCVS 85) =  $-0.05 \pm 0.2$  d

Note: phases of maximum and minimum of the mean light curve have been calculated by Pogson's method. 6 points over  $2\sigma$  were discarded.

Davide DALMAZIO (DDL)

## CEPHEIDS OBSERVATION

(light curve nr 44/98)

**DT Cyg**

GCVS 1985 data: Max = 44046.969 + 2.499215 \* E

Type: DCEPS M-m = 0.48

Range: 5.57 – 5.96 V

Spect: F5.5 – F7IB-II

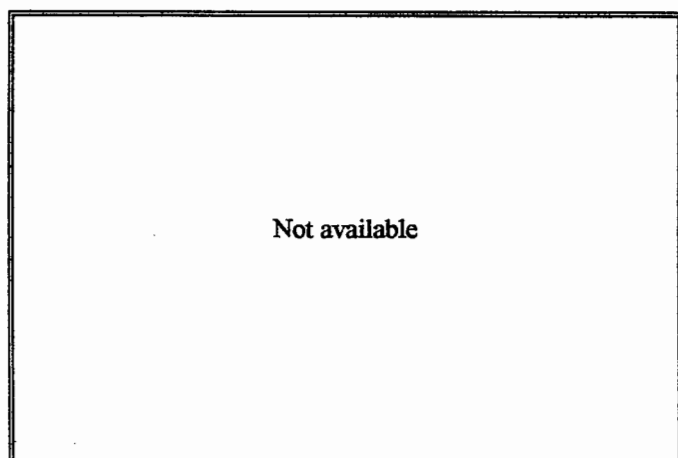
Observer: PAMPALONI Carlo (PMP)

Estimates: 166 from Jun to Dec 1978

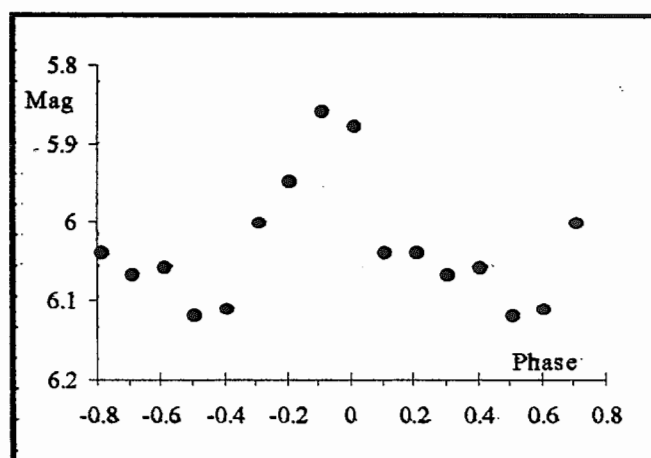
Instrument: Bin 6 x 30

Nr	Phase	Mag	Nr	Phase	Mag
22	0.01	5.88	17	0.51	6.12
17	0.11	6.04	13	0.61	6.11
17	0.21	6.04	15	0.71	6.00
16	0.31	6.07	15	0.81	5.95
16	0.41	6.06	18	0.91	5.86

Table of mean values



Raw light curve



Mean light curve

Phase MIN =  $0.56 \pm 0.04$ Phase MAX =  $-0.05 \pm 0.03$ M-m =  $0.39 \pm 0.09$ 

Mag MIN = 5.85

Mag MAX = 6.15

Amplitude = 0.3

Mean MAX (JD) =  $43761.92 \pm 0.07$ O-C (GCVS 85) =  $-0.12 \pm 0.07$  d

Note: phases of maximum and minimum of the mean light curve have been calculated by Pogson's method. Points were grouped in ranges of 0.1 phase.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION  
(light curve nr 45/98)

# 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: PAMPALONI Carlo (PMP)

Estimates: 36 from Feb to Apr 1978 Instrument: Bin 50

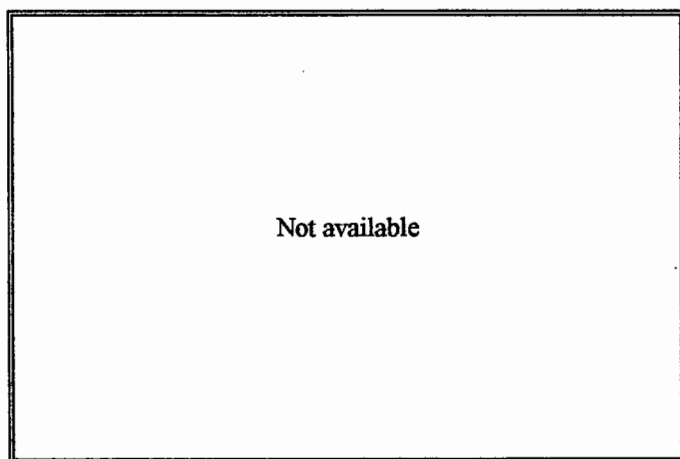
Chart GEOS C73

Personal sequence: A=6.72, C=7.25, D=7.72

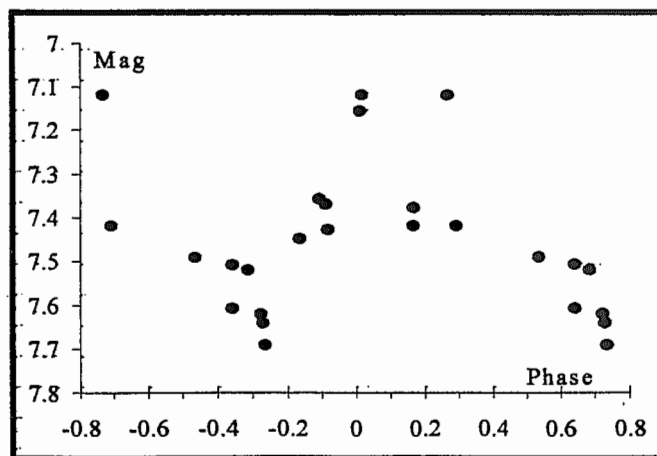
Degree=0.07 mag

Nr	Phase	Mag	Nr	Phase	Mag
?	0.014	7.16	?	0.646	7.51
?	0.017	7.12	?	0.690	7.52
?	0.166	7.38	?	0.728	7.62
?	0.169	7.42	?	0.731	7.64
?	0.267	7.12	?	0.735	7.69
?	0.293	7.42	?	0.837	7.45
?	0.537	7.49	?	0.896	7.36
?	0.641	7.51	?	0.914	7.37
?	0.643	7.61	?	0.916	7.43

Table of mean values



Raw light curve



Mean light curve

Phase MIN =  $0.71 \pm 0.05$

Phase MAX =  $0.02 \pm 0.03$

M-m =  $0.31 \pm 0.05$

Mag MIN = 7.7

Mag MAX = 7.1

Amplitude = 0.6

Mean MAX (JD) =  $43578.38 \pm 0.2$

O-C (GCVS 85) =  $0.16 \pm 0.2$  d

Note: phases of maximum and minimum of the mean light curve have been calculated by Pogson's method.

Davide DALMAZIO (DDL)