CEPHEIDS OBSERVATION
(light curve nr 46/99)

W Gem

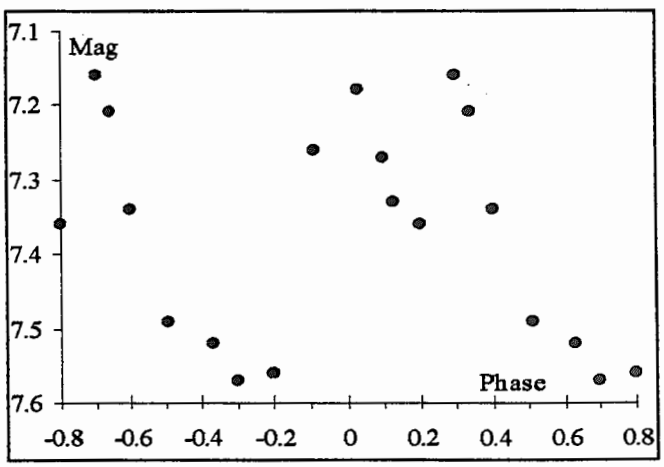
GCVS 1985 data: Max = 42755.191 + 7.913779 * E
Type: DCEP M-m = 0.30 Range: 6.54 - 7.38 V Spect: F5-G1

Observer: PAMPALONI Carlo (PMP)
Estimates: 52 from Jan 1979 to Apr 1979 Instrument: Bin 50 Chart GEOS C73
Personal sequence: A=6.73, C=7.24, D=7.73 Degree=0.08 mag

Nr	Phase	Mag	Nr	Phase	Mag
0	-	-	6	0.51	7.49
4	0.10	7.27	0	-	-
4	0.13	7.33	2	0.63	7.52
2	0.20	7.36	2	0.70	7.57
0	-	-	0	-	-
2	0.30	7.16	2	0.80	7.56
10	0.34	7.21	0	-	-
2	0.40	7.34	6	0.91	7.26
0	-	-	0	-	-

Table of mean values

Not available



Phase MIN = 0.73 ± 0.07 Phase MIN II = 0.19 Mag MIN = 7.6
Phase MAX = 0.02 ± 0.03 Phase MAX II = 0.30 Mag MAX = 7.2
M-m = 0.29 ± 0.10 M(II)-M(I) = 0.28 Amplitude = 0.4

Mean MAX (JD) = 43926.62 ± 0.2

O-C (GCVS 85) = 0.19 ± 0.2 d

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

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 47/99)

RT Aur

GCVS 1985 data: Max = 42361.155 + 3.728115 * E
Type: DCEP M-m = 0.25 Range: 5.00 - 5.82 V Spect: F4IB-G1IB

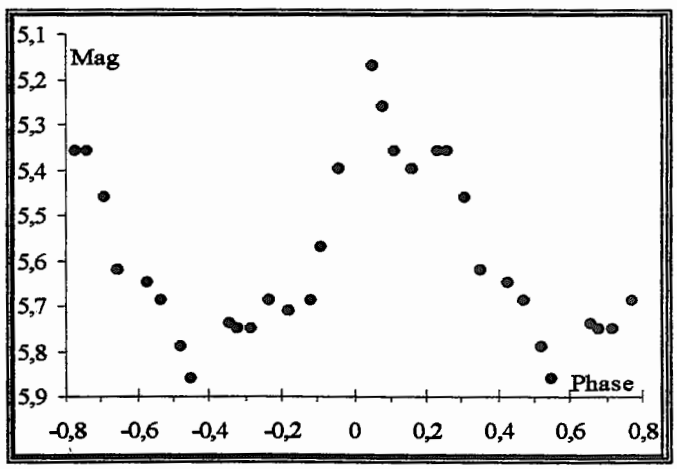
Observer: PAMPALONI Carlo (PMP)
Estimates: 165 from Oct 1978 to Apr 1980 Chart GEOS C15
Personal sequence: A=4.48, B=5.10, C=5.62, D=6.28 Degree: 0.09 mag

Nr	Phase	Mag	Nr	Phase	Mag
18	0,05	5,17	16	0,52	5,79
6	0,08	5,26	26	0,55	5,86
8	0,11	5,36	24	0,66	5,74
21	0,16	5,40	10	0,68	5,75
27	0,23	5,36	6	0,72	5,75
20	0,26	5,36	16	0,77	5,69
22	0,31	5,46	16	0,82	5,71
27	0,35	5,62	10	0,88	5,69
19	0,43	5,65	7	0,91	5,57
12	0,47	5,69	15	0,96	5,40

Table of mean values

Not available

Raw light curve



Mean light curve

Phase MIN = 0.62 ± 0.05
Phase MAX = 0.05 ± 0.08
M-m = 0.43 ± 0.13

Mag MIN = 5.9
Mag MAX = 5.2
Amplitude = 0.7

Mean MAX (JD) = 44080.02 ± 0.3

O-C (GCVS 85) = 0.20 ± 0.30 d

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

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 48/99)

AW Per

GCVS 1985 data: Max = 42709.059 + 6.463589 * E
Type: DCEP M-m = 0.25 Range: 7.04 – 7.89 V Spect: F6-G0

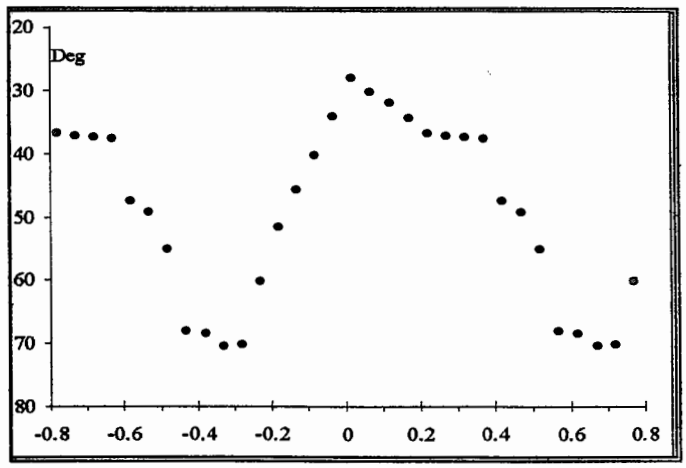
Observer: PAMPALONI Carlo (PMP)
Estimates: 107 from Oct 1977 to Mar 1978
Personal sequence: A=0, B=60, C=80

Nr	Phase	Deg	Nr	Phase	Deg
6	0.02	28.1	14	0.52	55.2
6	0.07	30.3	14	0.57	68.1
4	0.12	32.0	18	0.62	68.4
6	0.17	34.4	12	0.67	70.5
10	0.22	36.9	10	0.72	70.1
8	0.27	37.3	11	0.77	60.2
16	0.32	37.5	7	0.82	51.6
14	0.37	37.7	8	0.87	45.8
6	0.42	47.4	12	0.92	40.4
16	0.47	49.2	8	0.97	34.1

Table of mean values

Not available

Raw light curve



Mean light curve

Phase MIN = 0.68 ± 0.05
Phase MAX = 0,03 ± 0.03
M-m = 0.35 ± 0.08

Mean MAX (JD) = 43510.76 ± 0.2

O-C (GCVS 85) = 0.21 ± 0.2 d

Note: phases of extremum points on mean light curve have been calculated by Pogson's method.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 49/99)

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

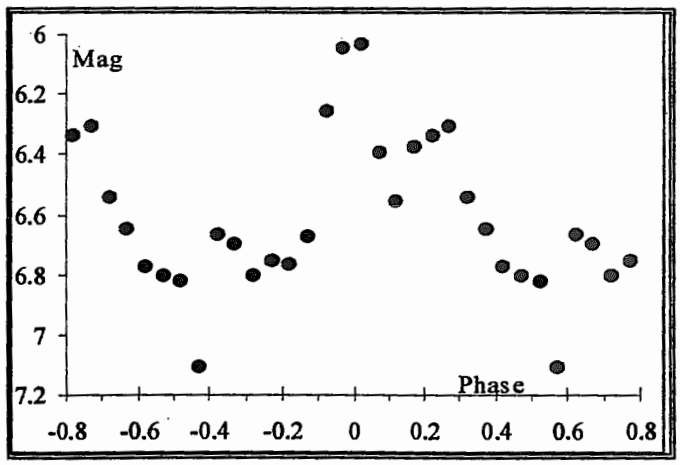
Observer: PAMPALONI Carlo (PMP)
Estimates: 184 from Jun to Dec 1978 Instrument: J 50 x 16 Chart GEOS C5
Personal sequence: C=5.81,D=6.27,E=6.60,F=7.11 Degree: 0.08 mag

Nr	Phase	Mag	Nr	Phase	Mag
12	0.02	6.04	22	0.52	6.83
6	0.07	6.4	2	0.57	7.11
4	0.12	6.56	12	0.62	6.67
10	0.17	6.38	20	0.67	6.7
16	0.22	6.34	12	0.72	6.81
8	0.27	6.31	28	0.77	6.76
10	0.32	6.55	40	0.82	6.77
16	0.37	6.65	24	0.87	6.68
32	0.42	6.78	22	0.92	6.26
46	0.47	6.81	22	0.97	6.05

Table of mean values

Not available

Raw light curve



Mean light curve

Phase MIN = 0.62 ± 0.03
Phase MAX = 0.00 ± 0.03
M-m = 0.38 ± 0.06

Mag MIN = 7.0
Mag MAX = 6.0
Amplitude = 1.0

Mean MAX (JD) = 43764.772 ± 0.5

O-C (GCVS 85) = 0.00 ± 0.5 d

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

Davide DALMAZIO (DDL)