CEPHEIDS OBSERVATION
(light curve nr 32/98)

14 MAYO 19

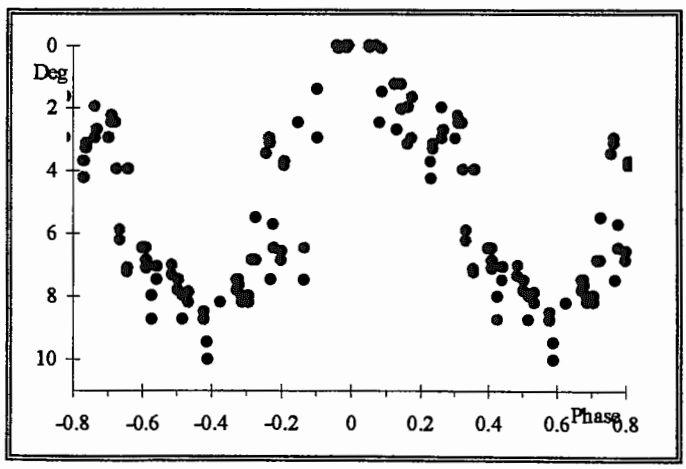
Z Lac

GCVS 1985 data: Max = 42827.123 + 10.885613 * E
Type: DCEP M-m = 0.43 Range: 7.88 - 8.93 V Spect: F6IB-G6IB

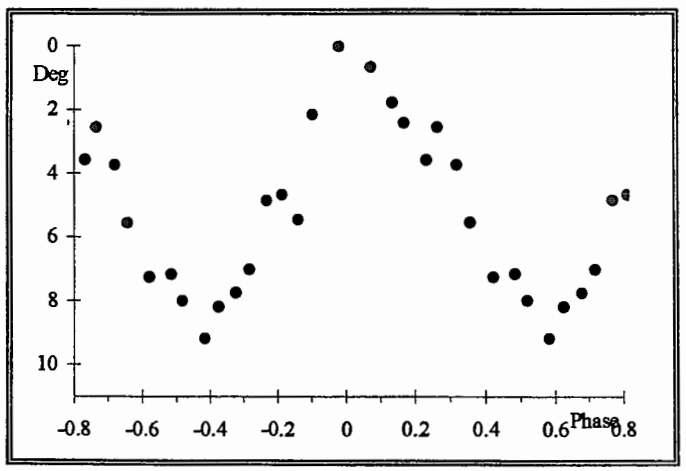
Observer: DALMAZIO Davide (DDL)
Estimates: 89 from Jun to Sep 1990 Instrument: Tel 114 Chart GEOS C72
Personal sequence: A=0.00, B=4.93, C=8.74, D=13.84 (deg)

Nr	Phase	Deg	Nr	Phase	Deg
0	-	-	6	0.519	8.00
6	0.074	0.68	4	0.584	9.17
4	0.138	1.79	2	0.626	8.19
4	0.171	2.42	6	0.680	7.75
4	0.235	3.58	6	0.717	7.02
4	0.266	2.57	6	0.770	4.85
5	0.321	3.73	5	0.814	4.68
4	0.359	5.55	3	0.861	5.46
8	0.422	7.26	2	0.905	2.18
2	0.486	7.16	6	0.981	0.03

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.57 ± 0.03
Phase MAX = 0.00 ± 0.05
M-m = 0.43 ± 0.08

Mean MAX (JD) = 48117.53 ± 0.54

O-C (GCVS 85) = 0.00 ± 0.54 d

Note: phase of maximum of the mean light curve have been calculated by Pogson's technique. The SOP program gave 0.05 ± 0.05 phase.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 33/98)

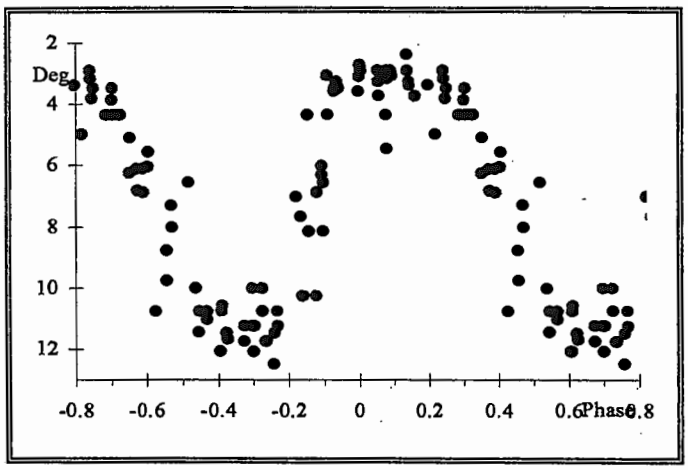
RR Lac

GCVS 1985 data: Max = 42776.686 + 6.416243 * E
Type: DCEP M-m = 0.30 Range: 8.38 - 9.30 V Spect: F6-G2

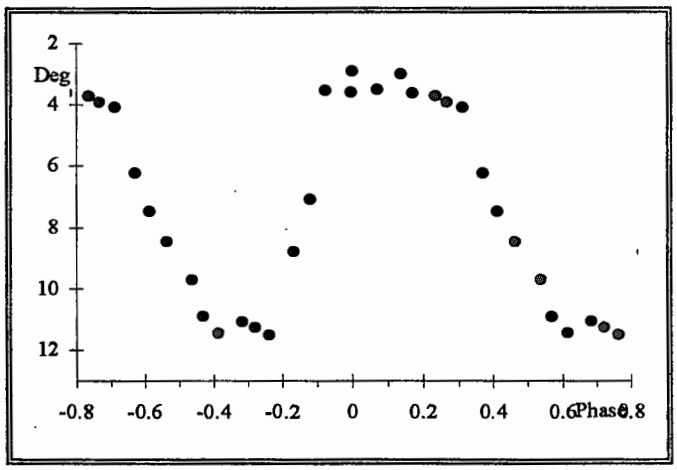
Observer: DALMAZIO Davide (DDL)
Estimates: 89 from Jun to Sep 1990 Instrument: Tel 114 Chart GEOS C72
Personal sequence: A=0.00, B=4.37, C=8.78, D=13.73 (deg)

Nr	Phase	Deg	Nr	Phase	Deg
3	0.002	2.91	4	0.537	9.70
10	0.072	3.51	2	0.569	10.85
4	0.139	2.99	6	0.615	11.44
3	0.172	3.62	4	0.686	11.07
4	0.237	3.72	6	0.721	11.27
2	0.268	3.93	4	0.763	11.49
5	0.312	4.09	4	0.834	8.80
6	0.372	6.22	8	0.881	7.09
3	0.412	7.46	6	0.925	3.55
4	0.464	8.47	1	0.999	3.59

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.68 ± 0.02
Phase MAX = 0.10 ± 0.07
M-m = 0.42 ± 0.09

Mean MAX (JD) = 48115.64 ± 0.45

O-C (GCVS 85) = 0.64 ± 0.45 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 34/98)

14 MAYO

TT Aql

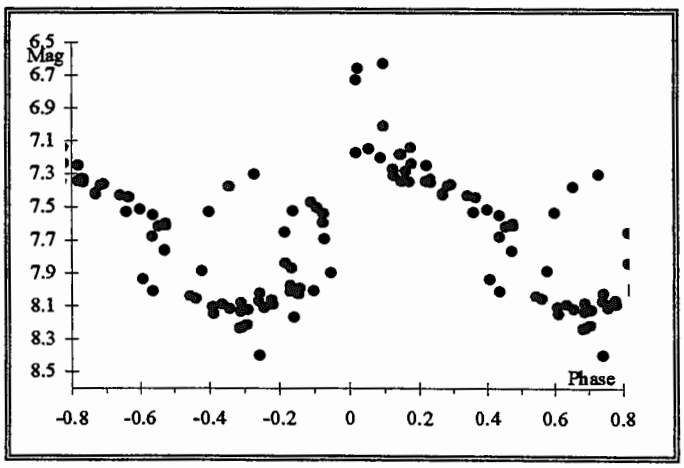
GCVS 1985 data: Max = 37236.10 + 13.7546 * E
Type: DCEP M-m = 0.34 Range: 6.46 - 7.70 V Spect: F6-G5

Observer: DUMONT Michel (DMT)
Estimates: 74 from Apr to Nov 1990
Personal sequence: B=6.98, C=7.80, D=8.40

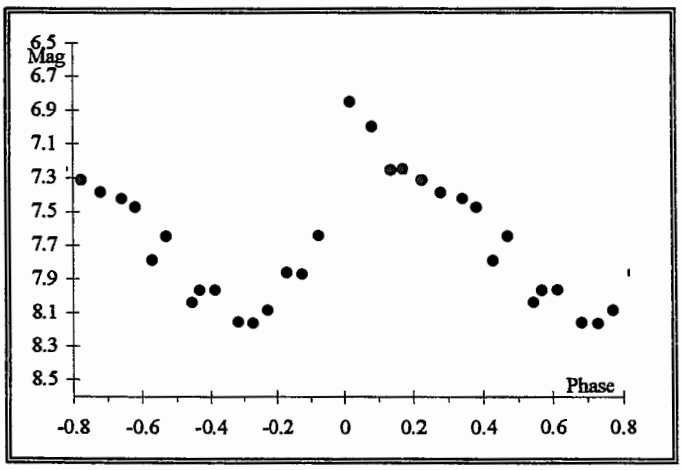
Instrument: Bin 50, L 80
Degree=0.11 mag

Nr	Phase	Mag	Nr	Phase	Mag
3	0.020	6.85	1	0.546	8.04
4	0.083	6.99	2	0.570	7.97
5	0.138	7.25	4	0.614	7.96
4	0.172	7.25	5	0.683	8.16
4	0.227	7.31	5	0.729	8.16
4	0.281	7.39	3	0.772	8.08
1	0.344	7.42	7	0.830	7.86
2	0.383	7.47	4	0.876	7.87
4	0.430	7.79	4	0.927	7.64
4	0.470	7.64	0	-	-

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.71 ± 0.04
Phase MAX = 0.06 ± 0.03
M-m = 0.35 ± 0.07

Mag MIN = 8.2
Mag MAX = 6.9
Amplitude = 1.3

Mean MAX (JD) = 48116.8 ± 0.4

O-C (GCVS 85) = 0.8 ± 0.4 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program. Pogson's method gave the maximum at 0.03 ± 0.03 phase.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 35/98)

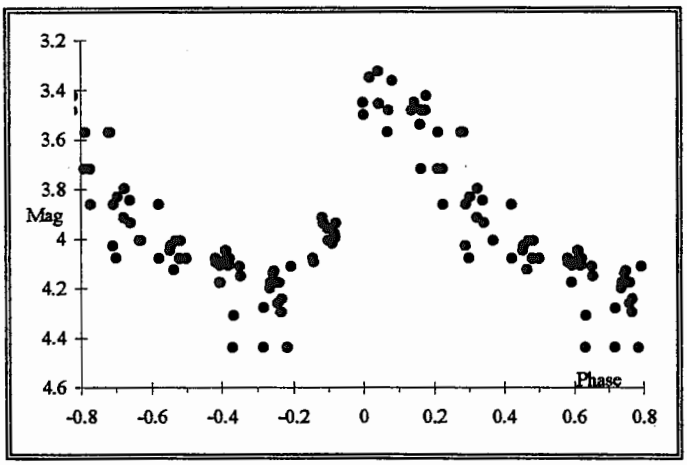
η Aql

GCVS 1985 data: Max = 36084.656 + 7.176641 * E
Type: DCEP M-m = 0.32 Range: 3.48 - 4.39 V Spect: F6IB-G4IB

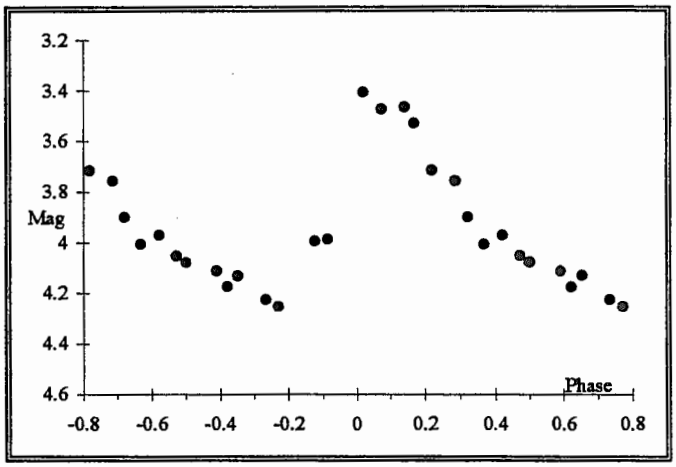
Observer: DALMAZIO Davide (DDL)
Estimates: 75 from Jul to Sep 1990 Instrument: Bin 50 Chart GEOS C90
Personal sequence: A=3.13, B=3.72, C=4.44 Degree=0.11 mag

Nr	Phase	Mag	Nr	Phase	Mag
5	0.021	3.40	1	0.501	4.07
3	0.074	3.47	4	0.590	4.11
2	0.142	3.46	6	0.623	4.17
5	0.169	3.52	2	0.652	4.13
4	0.220	3.71	6	0.734	4.22
4	0.287	3.75	6	0.773	4.25
6	0.322	3.90	0	-	-
2	0.369	4.00	5	0.877	3.99
2	0.423	3.97	5	0.915	3.98
7	0.473	4.05	0	-	-

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.73 ± 0.03 (0.77 ± 0.07)
Phase MAX = 0.09 ± 0.01 (0.05 ± 0.04)
M-m = 0.36 ± 0.04 (0.28 ± 0.11)

Mag MIN = 4.2
Mag MAX = 3.4
Amplitude = 0.8

Mean MAX (JD) = 48106.17 ± 0.07

O-C (GCVS 85) = 0.64 ± 0.07 d

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

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 36/98)

14 MAYO 1998

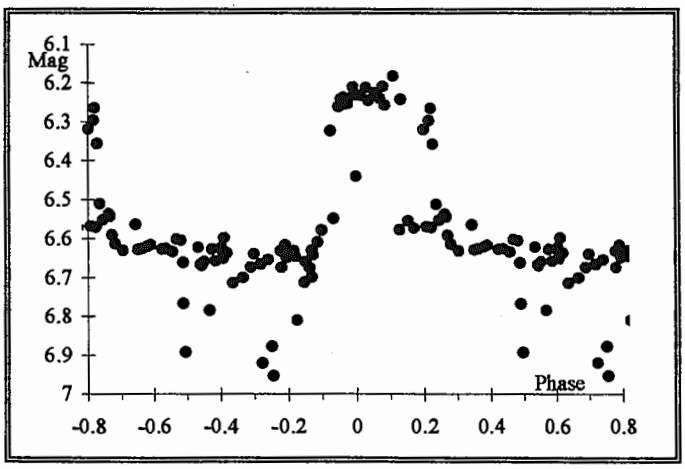
SU Cyg

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

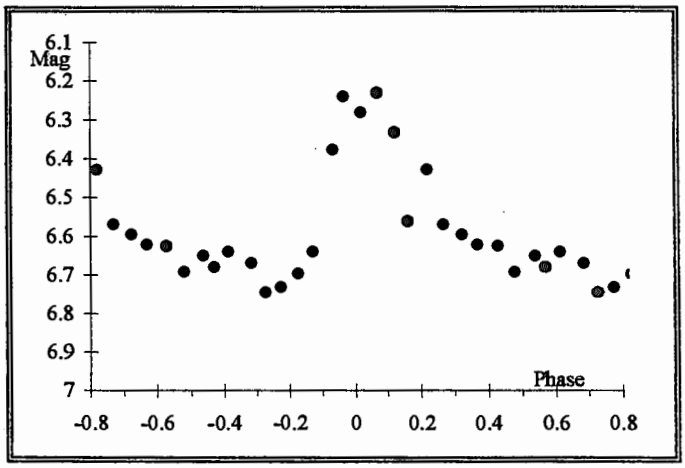
Observer: DUMONT Michel (DMT)
Estimates: 84 from Apr to Dec 1990 Instrument: J 50 Chart GEOS C93
Personal sequence: B=6.00, C=6.37, D=6.78, E=7.10

Nr	Phase	Mag	Nr	Phase	Mag
4	0.020	6.28	3	0.539	6.65
4	0.072	6.23	4	0.570	6.68
3	0.124	6.33	6	0.613	6.64
2	0.162	6.56	3	0.684	6.67
8	0.222	6.43	3	0.727	6.74
4	0.270	6.57	6	0.775	6.73
2	0.325	6.59	4	0.827	6.69
4	0.371	6.62	7	0.872	6.64
2	0.430	6.62	3	0.935	6.37
6	0.479	6.69	7	0.970	6.24

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.75 ± 0.05
Phase MAX = 0.03 ± 0.03
M-m = 0.28 ± 0.08

Mag MIN = 6.7
Mag MAX = 6.2
Amplitude = 0.5

Mean MAX (JD) = 48078.06 ± 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 37/98)

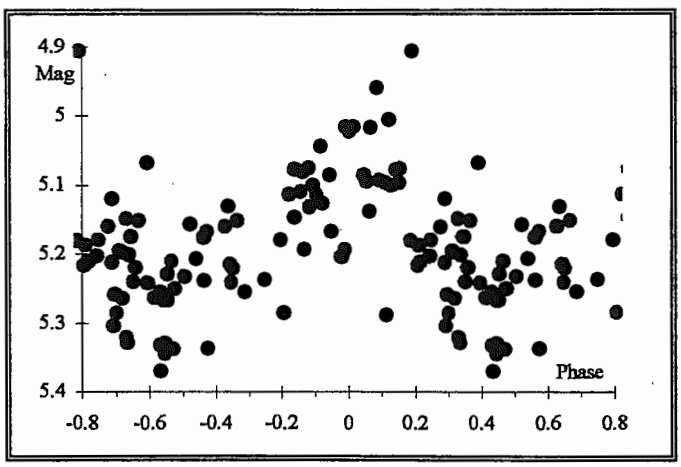
FF Aql

GCVS 1985 data: Max = 41576.428 + 4.470916 * E
Type: DCEPS M-m = 0.48 Range: 5.18 - 5.68 V Spect: F5IA-F8IA

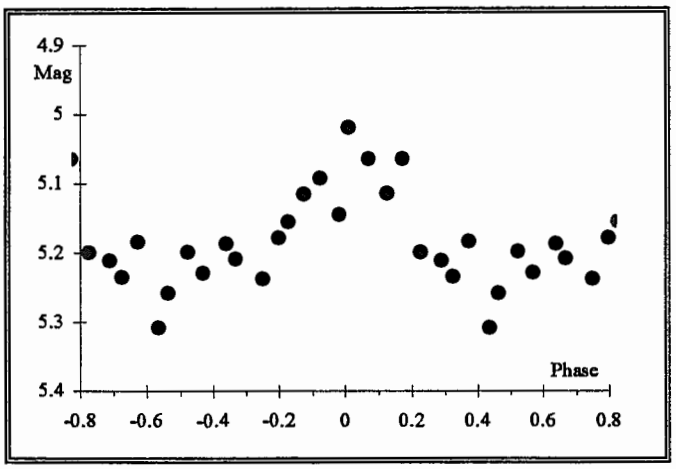
Observer: DUMONT Michel (DMT)
Estimates: 87 from Apr to Dec 1990 Instrument: Bin 50 Chart GEOS C71
Personal sequence: 111 Her=4.37, C=5.69

Nr	Phase	Mag	Nr	Phase	Mag
2	0.011	5.01	3	0.523	5.19
6	0.070	5.06	4	0.569	5.22
5	0.125	5.11	4	0.639	5.18
4	0.171	5.06	3	0.669	5.20
5	0.226	5.19	1	0.749	5.23
5	0.289	5.21	1	0.797	5.17
7	0.326	5.23	4	0.828	5.15
5	0.374	5.18	6	0.875	5.11
7	0.435	5.30	4	0.924	5.09
5	0.464	5.25	4	0.980	5.14

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.43 ± 0.04
Phase MAX = 0.05 ± 0.05
M-m = 0.62 ± 0.09

Mag MIN = 5.3
Mag MAX = 5.0
Amplitude = 0.3

Mean MAX (JD) = 48122.07 ± 0.22

O-C (GCVS 85) = 0.22 ± 0.22 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program. Pogson's method gave maximum at 0.02 ± 0.07 phase.

Davide DALMAZIO (DDL)