

CEPHEIDS OBSERVATION
(light curve nr 21/97)

27 ENE. 1998

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: 117 from May 1987 to Nov 1988

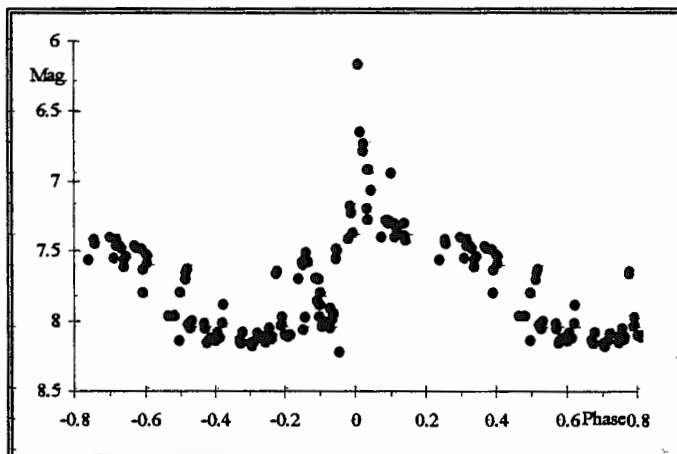
Personal sequence: B=6.92, C=7.80, D=8.40

Instrument: Bin 50

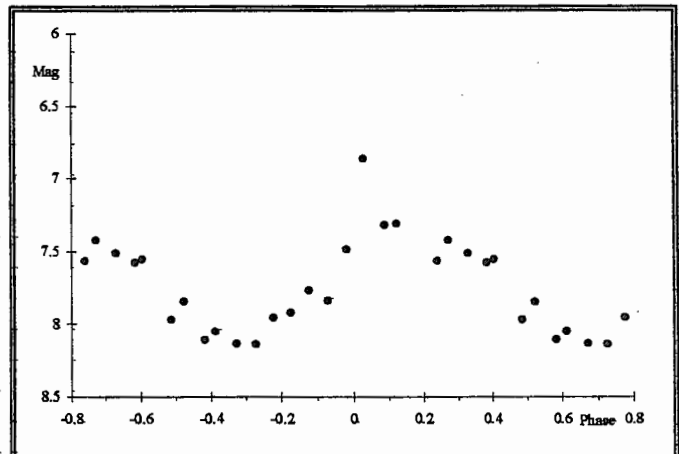
Degree=0.09 mag

Nr	Phase	Mag	Nr	Phase	Mag
9	0.028	6.85	6	0.522	7.84
4	0.087	7.31	7	0.582	8.10
8	0.122	7.30	1	0.612	8.05
0	-	-	5	0.673	8.13
1	0.239	7.56	7	0.726	8.13
3	0.270	7.42	8	0.775	7.95
8	0.327	7.51	5	0.823	7.91
5	0.382	7.57	11	0.875	7.76
3	0.404	7.55	11	0.928	7.83
4	0.485	7.96	5	0.981	7.48

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 = 8.2

Mag MAX = 6.8

Amplitude = 1.4

Mean MAX (JD) = 47194.84 ± 0.4 O-C (GCVS 85) = 0.4 ± 0.4 d

Note: phases of maximum and minimum of the mean light curve have been calculated by SOP program.
Two points with difference more than 3σ have been discarded.

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 28/97)

TT Aql

27 ENE. 1998

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: 95 from May to Nov 1989

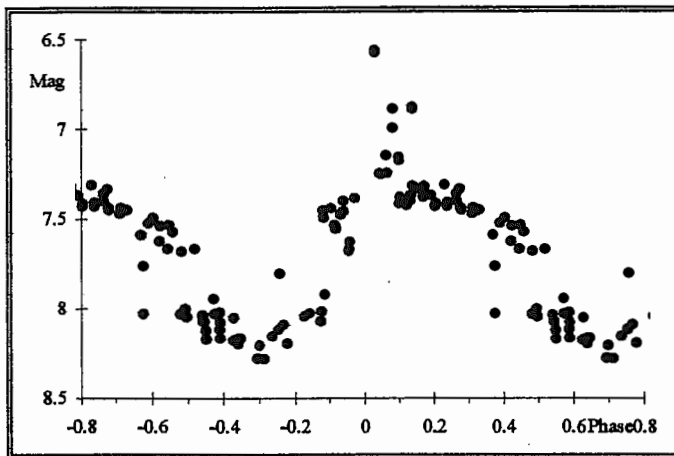
Personal sequence: B=6.90, C=7.80, D=8.40

Instrument: Bin 50, L 80

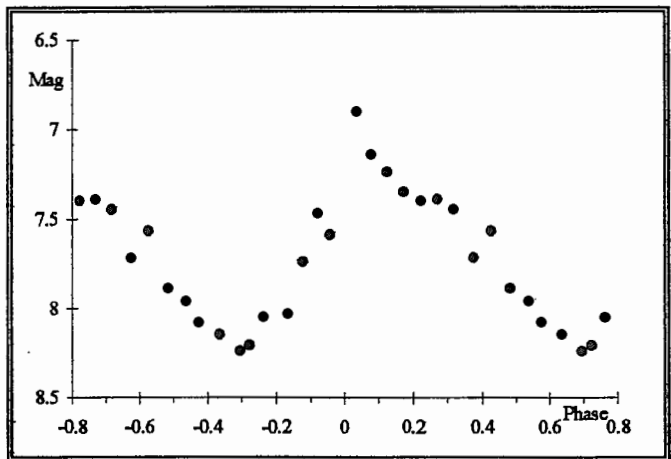
Degree=0.10 mag

Nr	Phase	Mag	Nr	Phase	Mag
4	0.037	6.90	4	0.537	7.96
6	0.080	7.14	8	0.576	8.08
9	0.126	7.24	5	0.636	8.15
5	0.172	7.35	2	0.696	8.24
5	0.223	7.40	2	0.724	8.21
5	0.272	7.39	4	0.764	8.05
3	0.318	7.45	2	0.835	8.03
4	0.377	7.72	6	0.880	7.74
5	0.428	7.57	6	0.924	7.47
6	0.485	7.89	4	0.959	7.59

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.68 ± 0.04

Phase MAX = 0.07 ± 0.03

M-m = 0.39 ± 0.07

Mag MIN = 8.2

Mag MAX = 6.9

Amplitude = 1.3

Mean MAX (JD) = 47759.33 ± 0.4

O-C (GCVS 85) = 1.0 ± 0.4 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 26/97)

27 ENE. 1998

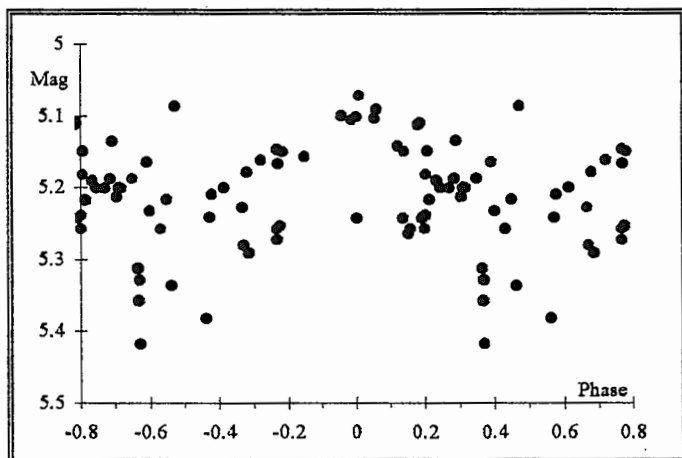
FF Aql

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

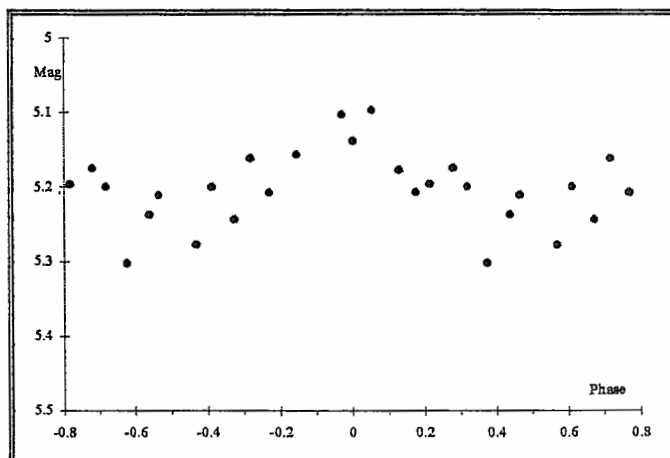
Observer: DUMONT Michel (DMT)
 Estimates: 55 from Apr to Nov 1987 Instrument: J 50 Chart GEOS C71
 Personal sequence: 111 Her=4.37, C=5.69

Nr	Phase	Mag	Nr	Phase	Mag
3	0.004	5.13	0	-	-
2	0.056	5.09	3	0.570	5.27
3	0.132	5.17	1	0.613	5.20
6	0.178	5.20	4	0.675	5.24
6	0.217	5.19	1	0.720	5.16
3	0.281	5.17	6	0.771	5.20
4	0.319	5.20	1	0.846	5.15
6	0.376	5.30	0	-	-
2	0.439	5.23	0	-	-
2	0.467	5.21	2	0.972	5.10

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.47 ± 0.06
 Phase MAX = -0.02 ± 0.05
 M-m = 0.51 ± 0.11

Mean MAX (JD) = 47017.44 ± 0.22

O-C (GCVS 85) = -0.09 ± 0.22 d

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

Davide DALMAZIO (DDL)

CEPHEIDS OBSERVATION
(light curve nr 27/97)

SZ Aql

27 ENE. 1998

GCVS 1985 data: Max = 35528.937 + 17.137939 * E
Type: DCEP M-m = 0.37 Range: 7.92 - 9.26 V

Spect.: F7-K1

Observer: DUMONT Michel (DMT)

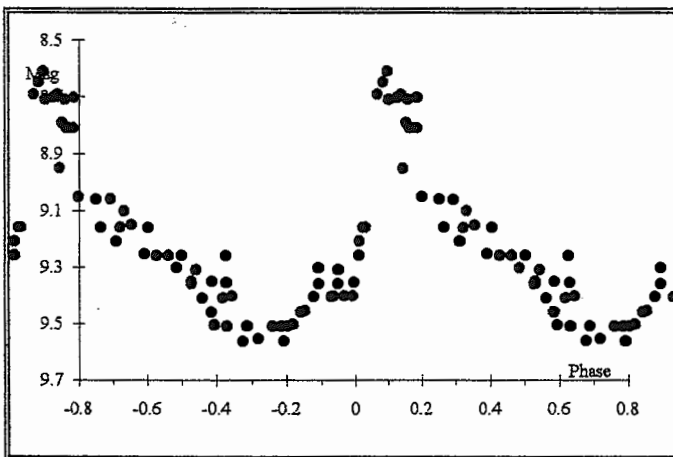
Estimates: 66 from May 1989 to Aug 1990

Instrument: J 50, L 80, L 60

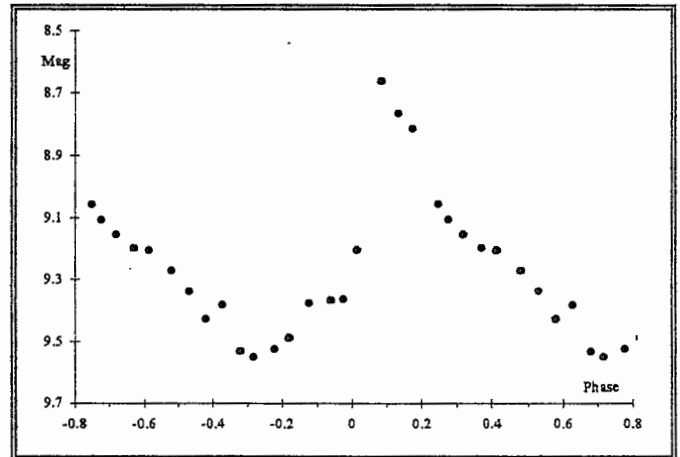
Personal sequence: D=8.4, E=8.9

Nr	Phase	Mag	Nr	Phase	Mag
5	0.015	9.20	3	0.531	9.33
4	0.084	8.66	4	0.579	9.42
5	0.134	8.76	5	0.628	9.38
6	0.174	8.81	2	0.680	9.53
1	0.249	9.05	1	0.717	9.55
2	0.276	9.10	3	0.778	9.52
3	0.318	9.15	3	0.819	9.48
2	0.371	9.20	4	0.878	9.37
2	0.413	9.20	4	0.940	9.36
2	0.480	9.27	4	0.975	9.36

Table of mean values



Raw light curve



Mean light curve

Phase MIN = 0.75 ± 0.07

Mag MIN = 9.6

Phase MAX = 0.12 ± 0.02

Mag MAX = 8.7

M-m = 0.37 ± 0.09

Amplitude = 0.9

Mean MAX (JD) = 47887.45 ± 0.34

O-C (GCVS 85) = 2.06 ± 0.34 d

Note: phases of maximum and minimum on mean light curve have been calculated by SOP program.
Due to wrong values of comparison stars magnitude, data on magnitude at maximum and minimum are erroneous.

Davide DALMAZIO (DDL)