

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS
Number 2680

Konkoly Observatory
Budapest
6 March 1985

HU ISSN 0374 - 0676

AUTOMATIC PHOTOELECTRIC TELESCOPE: SECOND AND THIRD QUARTER 1984 OBSERVATIONS

The automatic photoelectric telescope at Fairborn Observatory West in Phoenix, Arizona has been in operation since October 1983. Observations for the fourth quarter of 1983 were summarized by Boyd et al. (1984a) and are available as file no. 131 in the I.A.U. Commission 27 Archive for Unpublished Observations of Variable Stars (Breger 1982). Observations for the first quarter of 1984 were summarized by Boyd et al. (1984b) and are available as file no. 136 in the Archive mentioned above. In this brief note we summarize the observations from the second and third quarters of 1984, which are available as file no. 137 in the Archive. The second and third quarters were combined as a single file because shorter night time hours and poor weather limited the amount of data obtained in the second quarter and because an equipment malfunction ruined most of the data in the third quarter.

Table I lists the 83 groups in the program. The first column is the group number. The second is the group name. The last two give the number of observations obtained during each quarter. No data were obtained for four of the groups, which were below the horizon.

During the second quarter of 1984, 1430 group observations were made. Since each group observation consisted of a sequence of 33 different 10-second observations, there was a total of 47190 observations. During the third quarter there were 221 group observations and thus a total of 7293 individual observations. The sequence of UBV observations within a group, the extinction and transformation coefficients used in the reduction, and other particulars about the acquisition, reduction, and presentation of the data have been given already by Boyd et al. (1984a).

LOUIS J. BOYD
Fairborn Observatory West
629 North 30th Street
Phoenix, Arizona 85008

RUSSELL M. GENET
Fairborn Observatory East
1247 Folk Road
Fairborn, Ohio 45324

DOUGLAS S. HALL
Dyer Observatory
Vanderbilt University
Nashville, Tennessee
37235

References:

- Breger, M., 1982, I.B.V.S. No.2246.
Boyd, L.J., Genet, R.M., and Hall, D.S., 1984a, I.B.V.S. No. 2511.
Boyd, L.J., Genet, R.M., and Hall, D.S., 1984b, I.B.V.S. No. 2561.

Table I

The 83 Groups on the Second and Third Quarter 1984 Observing Program

no.	name	2nd	3rd	no.	name	2nd	3rd
1	lambda And	0	4	41	HD 8357	0	3
2	39 AY Cet	0	4	42	HR 454	0	5
3	sigma Gem	29	2	43	HR 1362	0	5
4	V711 Tau	0	5	44	HD 37824	4	4
5	27 & 28 LMi	68	0	45	HR 3337	21	0
6	HR 9024	0	4	46	HD 116204	57	0
7	HR 7428	44	4	47	theta CrB	62	1
8	IM Peg	0	4	48	iota Peg	23	3
9	HR 7275	44	3	49	HD 217188	0	4
10	HR 6469	96	4	50	HD 219989	0	4
11	DK Dra	26	0	51	beta Lyr	49	4
12	R Sct	50	3	52	V367 Cyg	2	4
13	12 BM Cam	3	2	53	zeta Aur	2	2
14	33 Psc	0	4	54	31 Cyg	15	4
15	5 Cet	0	4	55	32 Cyg	24	4
16	UX Ari	0	3	56	HD 25893	0	3
17	59 d Ser	53	3	57	HD 28591	0	2
18	FS Com	66	0	58	HD 136901	63	0
19	HK Lac	15	4	59	HD 9312	0	3
20	AR Lac	13	4	60	HR 503	0	5
21	29 Dra	6	0	61	3 Cam	1	2
22	54 Cam	37	2	62	HR 1970	0	3
23	51 & 52 Aur	15	2	63	1 Gem	5	2
24	CE Tau	4	2	64	HR 4430	74	0
25	TV Psc	0	4	65	HR 6950	50	4
26	RZ Ari	0	3	66	HR 7260	49	4
27	rho Per	0	3	67	81 Psc	0	3
28	IN Hya	25	0	68	11 Hya	32	0
29	epsilon Aur	3	2	69	31 Com	22	0
30	zeta And	0	3	70	37 Com	16	0
31	13 Cet	0	3	71	HR 1023	0	4
32	TZ CrB	46	2	72	gamma Cas	0	4
33	omicron Dra	45	4	73	HD 22403	0	3
34	V350 Lac	8	4	74	HD 31738	0	3
35	93 Leo	77	0	75	HD 82558	0	0
36	II Peg	0	3	76	HD 91816	0	0
37	TZ Tri	0	4	77	HD 108078	0	0
38	53 xi UMa (B)	67	0	78	HD 165590	0	3
39	BH CVn	19	0	79	HD 166181	0	4
40	HD 26337	0	5	80	HD 178450	0	4
				81	HD 212280	0	0
				82	HD 218153	0	5
				83	HD 222317	0	6