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IAU ARCHIVES OF UNPUBLISHED OBSERVATIONS OF VARIABLE STARS

Contents

- I. Summary
- II. Address Change for Submitting New Files
- III. The First 100 Files

I. Summary

The Archives of Unpublished Photoelectric Observations of Variable Stars was created to provide permanent archives in different parts of the world. The Archives can replace lengthy and expensive tables in scientific publications by a single reference to the archival file number. Furthermore, many observations are never used for scientific publications, and the Archives could make such observations available to other astronomers for a time when they might become very important.

The number of assigned file numbers has grown to 112. This represents a welcome acceleration of growth. A temporary delay in the retrieval of previous files from the Royal Astronomical Society in Great Britain has been rectified.

The Strasbourg Data Center (Centre de Données Stellaires) has joined the Variable Star Archives as a third depository. The center will provide computerization and free retrieval starting with File 84. Discussions are presently taking place concerning the handling of extremely lengthy files, and optional submission of data files by computer tape.

The Publications of the Astronomical Society of the Pacific published the summaries of recent files on a regular basis. Two detailed reports can be found in the Pub.Astr.Soc.Pac. 91, 408 (1979), and Pub.Astr.Soc.Pac. 93, 528 (1981).

Astronomers who wish to obtain unpublished photoelectric measurements on variable stars may do so by requested whole files from

Mrs. E. LAKE, Librarian  
Royal Astronomical Society  
Burlington House  
London, W1V 0NL, Great Britain

or

Dr. E. MAKARENKO  
 Odessa Astronomical Observatory  
 Shevchenko Park  
 Odessa 270014 U.S.S.R.

or

(starting with File 84)

Dr. C. JASCHEK  
 Centre de Données Stellaires  
 Observatoire de Strasbourg  
 11, Rue de l'Université  
 67000 Strasbourg  
 France

There is no charge for short files.

#### II. Address change for submitting new files

Astronomers who wish to submit unpublished photoelectric observations of variable stars to the Archives, should submit three copies as well as a brief descriptive cover sheet to the Coordinator (address listed below). Alternatively, one of the three copies could be sent directly to Dr. Makarenko (U.S.S.R.). The Coordinator will assign file numbers and forward the observations to London and Strasbourg (and Odessa, if necessary). New files must be printed or handwritten in blank ink. Please note that computer output sometimes lacks sufficient contrast and character sharpness for duplication. The printed part should be no larger than 20 by 27 cm. If a new number is required for scientific publications (in place of extensive tables of measurements), the file number can be assigned by the Coordinator before receipt of the actual measurements. The new address is:

Prof. M. BREGER  
 Universitäts-Sternwarte  
 Türkenschanzstr. 17  
 A-1180 Wien  
 Austria

#### III. The first hundred files

The first 100 files cover a time period of more than 15 years, during which the Archives were coordinated by Dr. G.H. Herbig, Dr. W.S. Fitch and the present coordinator. The titles of the first 100 files are:

1. 3433 UBV measures of V Sge by Herbig, Preston, Smak and Paczynski.
2. About 2390 U measures of AE Aqr by Walker.

3. About 990 uvby measures of BD + 14<sup>o</sup>431 by Smak.
4. 2726 U measures of Nova WZ Sge by Krzeminski.
5. 508 UBV measures of HD 116994 by Chambliss.
6. About 6500 UBV measures of Nova Z Cam by Krzeminski and Mumford.
7. About 3370 yellow and white measures of EX Hya by Krzeminski.
8. 1191 BV measures of AU Pup by Chambliss.
9. About 1200 uvby measures of HR 7484 by Koch.
10. 1167 blue measures of 16 Lac by Walker.
11. Measures of EM Cyg by Mumford and Krzeminski.
12. UBV measures of SX Ari, CU Vir, HD 173650 and X Psc by Blanco, Catalano and Godoli.
13. 964 BV measures of TT Lyr, AD Her and RV Oph by Walter.
14. 630 UBV measures of HD 199757 by Chambliss.
15. About 660 uvby, Hy measures of  $\delta$  Cet,  $\nu$  Eri,  $\beta$  CMA,  $\xi$ ' CMA, 15 CMA,  $\beta$  Cru,  $\zeta$ ' Lup,  $\sigma$  Sco and  $\theta$  Oph by Watson.
16. About 517 UBV and 197 intermediate band measures of SX Cas by various observers, edited by Koch.
17. UBV measures of RZ Cnc by Broglia and Conconi.
18. 471 UBV measures of V505 Sgr by Chambliss.
19. About 2400 uvby measures of QS Aql, EC Cyg, FZ Del, AK Her, LS Her and EW Lyr by van der Wal.
20. About 2535 uvby measures of CW Cep and RU UMi by Nha.
21. About 4800 UBV measures of SU Cep, UV Lyn and RU UMi by Bossen.
22. About 240 UBV measures of HDE 302013 by Cannon and others.
23. 145 UBV measures of RZ Cep by Epps and Sinclair.
24. 1530 differential B measures of HL Tau-76 by Fitch.
25. 7932 differential UBV measures of SX Aur, MN Cas, RW CrB and V891 Cyg by Klawitter.
26. 1111 differential UBV measures of 21 Com, 41 Tau, HD 140160 and HD 224801 by Blanco and Catalano.
27. 2954 B and R measures of AR Lac by Kron, Gordon, Adams and Smith.
28. 363  $\lambda$  8100  $\text{\AA}$  measures of YY Gem by Kron and Gordon.
29. UBV measures of CC Ser by Sarma and Parthasarathy.
30. UBV measures of HD 140728, HD 215038 and HD 215441 by Blanco, Catalano and Vaccari.
31. 1338 V measures of 1 Mon by Shobbrook and Stobie.
32. 4663 V measures of AC And by Szeidl.
33. 274 BV measures of SV Vol, GS Hya, VX Scl and DH Vir by Penfold.
34. 950 uvby measures of HD 217061 by Lanning and James.
35. 4492 uvby measures of HDE 226868 = Cyg X - 1 by Lanning.

36. 1812 UBV measures of RZ Cas by Chambliss.
37. 754 UBV measures of U Peg by A.R. Hogg.
38. 4800 V measures of  $\alpha$  Vir,  $\lambda$  Sco,  $\kappa$  Sco,  $\beta$  CMa,  $\xi$  CMa and 15 CMa by Shobbrook and Lomb.
39. 1280 U measures of TT Ari by Smak.
40. 2008 UBV measures of AR Lac by Chambliss.
41. 350 measures each of U Oph in 50 Å bands at 4750, 4476, 4230 and 4026 Å, by Koch and Koegler.
42. 4855 b measures of  $\delta$  Sct by Fitch.
43. 5574 V measures of CC And by Fitch.
44. uvby measurements of WW Aur by P.B. Etzel.
45. UBV measurements of RU UMi by A.R. Hogg.
46. BV measurements of V1500 Cyg (Nova Cyg 1975) by C.W. Armbruster, W. Blitzstein, A.B. Hull and R.H. Koch.
47. UBV measurements of HX Ara by H.W. Duerbeck and K. Walter.
48. U Cep-E. Olson.
49. TU Hor-H. W. Duerbeck.
50. EE Peg and S Equ-S. Catalano and M. Rodono.
51. KO Aql-C. Blanco and S. Cristaldi.
52. HR 3413-A. Heck, J. Manfroid and P. Renson.
53. TT Ari-H. W. Duerbeck (File number assigned, but data not received yet.)
54. AH Tau-H. W. Duerbeck (File number assigned, but data not received yet.)
55. HR 3413-P. Renson and C. Sterken.
56.  $\omega$  Oph-P. Renson and H.M. Maitzen.
57. HD 125248, HD 134793, HD 184905-C. Blanco et al.
58. 14 Aur-W. S. Fitch and W.Z. Wisniewski.
59. HD 59256, HD 66255, HD 66605, HD 83368, HD 83625, HD 94660 and HD 96616-J. Manfroid.
60. Nova Cygni 1978-W. Blitzstein et al.
61. Multicolor Observations of AW Uma-E.J. Woodward, R.H. Koch and P.R. Eisenhardt.
62. UBV Photometry of U Cephei by N.R. Markworth.
63. Observations of Three Southern  $\delta$  Scuti Stars: AI Scl, WZ Scl, and XX Scl by D.L. Dupuy.
64. UBV Photometry of the eclipsing binaries Z Her, RS Vul, AR Lac and AW Peg by Th. Wesselink.
65. Unfiltered Photometry of V523 Cas by D.H. Bradstreet.
66. BV Photometry of RW Com by H. Hoffman.
67. Intermediate-band Photoelectric Observations of U Cephei by E.C. Olson.

68. Intermediate-band Photoelectric Measurements of S Cancri by E.C. Olson.
69. UVB Magnitudes of AL Vel by F.B. Wood.
70. V757 Centauri by M.A. Cerruti.
71. HR 7308 by A. Greenberg.
72. Differential B and V Photometry of HD 132209 by D.W. Kurtz.
73. Differential B and V Photometry of HD 101065 by D.W. Kurtz.
74. Differential Photometry of 28 Cygni and HR 7807 by G.G. Spear, J. Mills and S.A. Snedden.
75. uvby Observations of Peculiar A Stars by P. Renson and J. Manfroid.
76. B and V Observations of the Delta-Scuti Variable BD +28<sup>o</sup>1494 by P. Broglia.
77. Red Spectrophotometry of VW Cep in 1976 by J.A. Eaton.
78. VRI Observations of YY Eri, W UMa, SW Lac, AW UMa, RZ Tau for 1976 by J.A. Eaton.
79. AW UMa: Photoelectric Observations by B.J. Hrivnak.
80. XY Leo: Photoelectric Observations by B.J. Hrivnak.
81. Ultraviolet Spectrophotometry of Close Binary Systems CV Velorum, RS Vulpeculae and DH Cephei by C. Wu and J.A. Eaton.
82. Individual Observations of AG Phe by M.A. Cerruti.
83. Differential V,B Photometry of 54 Cam by D.S. Hall.
84. UVB Photometry of UV Lyncis by N.L. Markworth.
85. BV Photometry of DM UMa by R. Kimble.
86. UVB Photometry of RY Gem by D.S. Hall, Tilman Stuhlinger and John W. Wilson.
87. Photoelectric Photometry of HR 7275 by D.S. Hall.
88. Photometry of  $\theta$  Ori A by D.S. Hall and J.R. Sowell.
89. Photoelectric Observations of 44 i Boo, by Russell M. Genet.  
(File number assigned, but data not received yet.)
90. B Magnitudes of BW Vul, by A.P. Odell.  
(File number assigned, but data not received yet.)
91. B Magnitudes of HR 151, HR 239 and HR 7461, by Donald W. Kurtz.
92. 16 Algol Systems: XZ And, KO Aql, RZ Cas, U Cep, U CrB, SW Cyg, W Del, AI Dra, TT Lyr, RW Mon, RV Oph, ST Per, U Sge, RW Tau, X Tri, and TX UMa by E.C. Olson.
93. HD 8357-D. S. Hall.
94. 29 Dra-D. S. Hall.
95. HD 26337-D. S. Hall.
96. HD 136905-D. S. Hall.
97. RS Indi-D. S. Hall.

- 98. Algol-G. A. Bower.
- 99. 10 Ap Stars: HR 4082, HR 4109, HR 4327, HR 4552, HR 4817, GC 17563,  
HR 4965, HR 5158, HR 5269 and GC 19369 by P. Renson and J. Manfroid.
- 100. SV Tau-C. R. Chambliss. (File number assigned, but data not received  
yet.)

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