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TIMES OF MINIMA OF SOME ECLIPSING VARIABLES

Times of minima of several eclipsing variables have been observed at the University of Victoria in 1969, 1970, 1971 and 1973. The equipment used was described by Scarfe and Brimacombe (A.J.76, 50, 1971). All the times of minima listed in table 1 were calculated by the method of Kwee and van Woerden (BAN 12, 327, 1956) using a programme written by one of us (B.W.B.) for the University of Victoria's IBM 370 computer. The ephemerides used to find the O-C's in column 4 of table 1, as well as references for them, are given in table 2.

Table 1, Observed Times of Minima

Star	H.J.D. (2,440,000+)	E	O-C (days)	Observer
44iBoo	801.7627±0.0005	8544.5	+0.0074	N
	812.7448±0.0007	8585.5	+0.0091	N
	1110.8264±0.0013	9698.5	+0.0134	S
	1131.8469±0.0004	9777	+0.0105	N
	1147.7804±0.0004	9836.5	+0.0090	S
	1814.7746±0.0006	12327	+0.0117	Br
	1816.7854±0.0006	12334.5	+0.0139	Br
	1818.7946±0.0006	12342	+0.0145	S
	1827.7682±0.0008	12375.5	+0.0163	Br
	1829.7737±0.0005	12383	+0.0132	S
UCep	512.8046±0.0007	13086	+0.4130	S
	1190.9261±0.0002	13358	+0.4655	Bl
	1210.8706±0.0003	13366	+0.4668	Bl
	1215.8567±0.0002	13368	+0.4671	Bl
	1938.8476±0.0003	13658	+0.5169	Bl
VWCep	799.8225±0.0002	5157	+0.0008	N
	802.7478±0.0007	5167.5	+0.0038	N
	806.7797±0.0006	5182	+0.0002	N
	811.7900±0.0003	5200	+0.0008	N
	817.7761±0.0001	5221.5	+0.0032	N
	817.9134±0.0002	5222	+0.0013	N
	823.7579±0.0002	5243	+0.0012	N
	1139.7890±0.0009	6378.5	+0.0071	N
	1139.9250±0.0003	6379	+0.0039	N
	1842.8107±0.0002	8904.5	+0.0083	Br
UCrB	1880.8027±0.0005	9041	+0.0105	S
	1099.7889±0.0012	10704	+0.0028	N
MRCyg	1146.8181±0.0007	4621.5	+0.0003	N
AIDra	1875.8287±0.0003	3613	-0.0001	Br
ZHer	1111.8211±0.0003	7019	+0.0015	N
RXHer	813.8142±0.0002	4741.5	+0.0006	N
	838.7135±0.0003	4755.5	-0.0001	S

Table 1 continued

Star	H.J.D. (2,440,000+)	E	O-C (days)	Observer
RXHer	1134.8458±0.0001	4922	-0.0001	N
	1175.7531±0.0003	4945	+0.0001	N
	1833.8250±0.0005	5315	+0.0003	Br
	1889.8506±0.0007	5346.5	+0.0009	Br
UOph	1117.8769±0.0002	19577.5	-0.0074	N
	1133.8082±0.0004	19587	-0.0109	N
	1866.8090±0.0003	20024	-0.0103	Br
V566Oph	1119.8018±0.0004	10681	+0.0073	N
	1145.8170±0.0005	10744.5	+0.0102	N
	1835.8616±0.0002	12429	+0.0147	S
	1843.8498±0.0002	12448.4	+0.0149	S
	1877.8508±0.0002	12531.5	+0.0157	Br
EE Peg	1174.7726±0.0003	704	+0.0052	N
USge	422.8795±0.0004	6890	+0.0036	S
	821.7923±0.0002	7008	+0.0035	N
	1132.8083±0.0002	7100	+0.0026	N
	1896.8276±0.0001	7326	+0.0021	Br
RS Vul	809.8450±0.0005	1787	+0.0033	N
	818.8001±0.0003	1789	+0.0031	N

Observers: Bl = B.W. Baldwin, Br = D.J. Barlow, N = R.J. Niehaus,  
S = C.D. Scarfe.

Table 2, Ephemerides for the Systems Studied

Star	(H.D.J.) <sub>0</sub> (2,400,000+)	Period	References
44i Boo	38,513.4160	0. <sup>d</sup> 26781430	Pohl IBVS 209, 1967
U Cep	7,890.2957	2.4929005	Svechnikov PZ 10,262,1955
VW Cep	39,364.5578	0.27831373	Scarfe and Brimacombe AJ 76, 50, 1971.
U CrB	4,147.4297	3.4522008	Hellerich AN 220,331, 1924
MR Cyg	33,396.4069	1.67703362	Battistini et al. Ap.Sp.Sc. 19,395, 1972
AI Dra	37,544.5095	1.19881520	Winiarski Act.Ast.21,517,1971
Z Her	13,086.348	3.9928012	Plavec et al.BAC 12,125, 1961
RX Her	32,380.7145	1.7785720	Wood ApJ 110,465,1949
U Oph	8,279.643	1.6773460	Parenago PZ 7,102, 1949
V566 Oph	36,744.4200	0.40964091	Bookmyer AJ74,1197, 1969
EE Peg	39,324.509	2.628208	Wellmann ZfAp 32,1,1953
US ge	17,130.4151	3.3806184	Svechnikov PZ 10,262,1955
RS Vul	32,808.257	4.4776635	Martynov PZ 9,343, 1953

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