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**TIMES OF MINIMUM LIGHT OF NEGLECTED ECLIPSING BINARIES**

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We present 59 times of minimum light for 30 mostly neglected eclipsing binaries, as a continuation of an ongoing program of monitoring eccentric orbit, apsidal motion and other type systems. These stars were observed during several seasons and are presented for their long-term value as well as for planning new observations. All data were obtained at Appalachian State University's Dark Sky Observatory. The observations include measurements made with the 32-inch DFM Engineering telescope and Photometrics CH250 CCD camera with a Tek 1024<sup>2</sup> chip and Bessell filter set. Other data were obtained with the 18-inch telescope with a Photometrics CH350 CCD camera and SITE 1024<sup>2</sup> chip and Bessell filter set. Some other data were obtained with an SBIG ST-9E CCD on the 16-inch DFM telescope. These are noted in the table as 32, 18 and 16, respectively. The filters are the Johnson equivalents in the Bessell set, with "C" representing a clear or no filter.

The data were reduced using Mira AP software.<sup>†</sup> Our times of minimum and their standard errors were calculated using the method of Kwee & van Woerden (1956), using an algorithm by Ghedini (1982).

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References:

- Diethelm, R., Wolf, M., and Agerer, F., 1993, *IBVS*, No. 3867  
Ghedini, S., 1982, *Software for Photometric Astronomy*, Willmann-Bell, U.S.A., p.47  
Kwee, K. K. & van Woerden, H., 1956, *Bull. Astron. Inst. Neth.*, **12**, 327

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<sup>†</sup>The Mira AP software is produced by Axiom Research Inc.

Star	Typ	Tel	Filters	HJD-2400000	Error	Remarks
V805 Aql	pri	18	V	51706.7607	0.0006	
BW Boo	pri	18	BVRI	52757.6524	0.0010	
RS CVn	pri	18	V	53133.7233	0.0003	
CV CMa	pri	32	V	53101.5918	0.0010	
CC Cas	sec	18	VR	52957.7847	0.0010	
LX Cas	sec	32	BVR	52985.7128	0.0016	
	pri	32	BVR	53015.7525	0.0014	
V442 Cas	pri	32	V	51028.8266	0.0000	
	pri	32	V	53309.7816	0.0001	
CO Cep	sec	32	C	50068.6345	0.0012	
	pri	32	V	50798.7457	0.0002	
	pri	32	BVR	52933.7265	0.0002	
	sec	32	BVR	52952.5544	0.0009	
TV Cet	pri	18	V	52190.8100	0.0001	
	pri	18	V	52973.6927	0.0002	
DX Cyg	sec	32	R	52841.7995	0.0020	
	sec	32	R	52955.5268	0.0029	
MY Cyg	sec	18	V	53202.6862	0.0001	
	pri	18	V	53224.7032	0.0001	
V456 Cyg	pri	32	V	51377.8757	0.0001	
V490 Cyg	sec	32	V	51487.6184	0.0002	
	sec	32	V	52813.7080	0.0002	
	pri	32	V	52841.6237	0.0002	
V498 Cyg	pri	32	V	53129.8179	0.0012	
V548 Cyg	pri	16	V	53202.8566	0.0001	
V873 Cyg	pri	32	V	50580.8059	0.0012	
	pri	32	V	52894.6914	0.0003	
V886 Cyg	sec	32	VR	53226.7340	0.0027	
	pri	32	V	53319.4955	0.0006	
V974 Cyg	sec	32	V	50584.7872	0.0010	
	pri	32	V	50669.7580	0.0004	
	pri	32	V	50698.5964	0.0014	
	pri	32	BVR	52816.7239	0.0003	
	sec	32	BVR	52933.5942	0.0001	
BF Dra	pri	32	V	52769.7901	0.0001	see footnote <sup>††</sup>
	pri	32	V	52814.6354	0.0003	
V359 Her	pri	32	VR	53124.7066	0.0002	
	sec	32	V	53225.6627	0.0005	
VW Hya	pri	32	BV	51937.8611	0.0002	
MZ Lac	sec	32	V	50686.6745	0.0006	
	sec	32	V	50705.6304	0.0015	
	pri	32	V	52592.7514	0.0001	
	pri	32	V	53025.5097	0.0002	
V345 Lac	pri	32	C	50081.6444	0.0009	
	sec	32	BVR	51065.6783	0.0044	
	pri	32	V	51302.8060	0.0007	
	sec	32	V	51829.8544	0.0003	
	pri	32	BV	51849.7158	0.0003	
	sec	32	BVR	52848.7564	0.0002	
BM Mon	pri	32	C	50165.6616	0.0001	
	pri	32	V	50480.6330	0.0000	
	sec	32	V	50518.6043	0.0008	
HI Mon	pri	32	V	53081.6396	0.00080	
V451 Oph	pri	18	BVR	52816.7925	0.0002	
	sec	18	V	52914.5486	0.0002	
V1016 Ori	pri	18	R	52239.7937	0.0027	$\theta^1$ Ori A
GG Ori	pri	32	V	50380.8122	0.0002	
ER Sct	pri	16	V	53203.6610	0.0002	
MN Vul	sec	32	V	53200.6587	0.0007	

<sup>††</sup> For BF Dra see new ephemeris by Diethelm et al. (1993)