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**NEW TIMES OF MINIMA OF SOME ECLIPSING VARIABLES**

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<b>Observatory and telescope:</b>
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URSA: URSA Observatory at the University of Arkansas; 10-inch Schmidt-Cassegrain reflector. NFO: NFO WebScope near Silver City, NM, USA ( <a href="http://www.nfo.edu">http://www.nfo.edu</a> ); 24-inch classical Cassegrain.
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<b>Detector:</b>	URSA: 1020 × 1530 pixels SBIG ST8EN CCD cooled to (typ.) –20 °C; 1.15 arcsec square pixels; 20'(N – S) × 30'(E – W) field of view. NFO: 2102 × 2092 pixels Kodak KAF 4300E CCD cooled to (typ.) –20 °C; 0.78 arcsec square pixels; 27' square field of view.
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<b>Method of data reduction:</b>
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Virtual measuring engine (Measure 2.0) written by C.H.S. Lacy (2005).
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<b>Method of minimum determination:</b>
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Kwee & van Woerden (1956).
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<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
AP And	56085.9022	0.0003	1	V	NFO
	56120.8227	0.0002	1	V	URSA
	56186.6957	0.0002	2	V	NFO
	56190.6635	0.0003	1	V	NFO
	56225.5845	0.0003	1	V	NFO
	56298.5993	0.0002	1	V	NFO
V361 Cas	56196.6404	0.0006	1	V	NFO
V651 Cas	56087.9058	0.0004	2	V	URSA
	56088.9028	0.0003	2	V	URSA
	56126.7793	0.0003	2	V	URSA
V1136 Cyg	56042.9316	0.0011	1	V	NFO
	56049.8544	0.0009	1	V	NFO
V501 Her	56069.8817	0.0011	1	V	URSA
	56099.7924	0.0003	2	V	NFO
AL Leo	55987.8671	0.0002	2	V	URSA
	55995.8932	0.0004	2	V	NFO
	56000.7102	0.0002	2	V	NFO
	56041.6510	0.0002	1	V	URSA
	56045.6646	0.0003	2	V	NFO
	56049.6784	0.0003	1	V	URSA
V506 Oph	56053.7434	0.0007	1	V	URSA
	56063.8175	0.0002	2	V	URSA
	56063.8176	0.0002	2	V	NFO
	56064.8781	0.0002	2	V	URSA
	56070.7101	0.0002	1	V	URSA
	56071.7712	0.0002	1	V	URSA
	56074.9519	0.0003	1	V	NFO
	56087.6774	0.0002	1	V	URSA
	56088.7374	0.0003	1	V	URSA
	56088.7375	0.0002	1	V	NFO
	56089.7979	0.0002	1	V	NFO
	56090.8583	0.0003	1	V	NFO
	56097.7511	0.0002	2	V	URSA
	56106.7647	0.0002	1	V	NFO
	IM Per	56217.7647	0.0005	2	V
56269.6109		0.0006	2	V	NFO
56314.6955		0.0004	2	V	NFO
NP Per	56186.9104	0.0010	2	V	NFO
	56195.8284	0.0010	2	V	NFO
	56196.9427	0.0002	1	V	NFO
	56216.9989	0.0005	1	V	NFO
	56235.9476	0.0010	2	V	NFO
	56263.8011	0.0003	1	V	NFO
	56264.9188	0.0018	2	V	NFO
	56310.6001	0.0004	1	V	NFO
V482 Per	56221.9605	0.0006	2	V	NFO
	56324.7231	0.0006	2	V	NFO

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
V514 Per	56230.9645	0.0017	1	V	NFO
TY Tau	55996.6219	0.0003	1	V	URSA
BT Vul	56041.9265	0.0003	1	V	URSA
	56120.6694	0.0003	1	V	URSA
	56121.8113	0.0002	1	V	URSA
	56189.7140	0.0004	2	V	NFO

**Remarks:**

A sample of the observations has been published by Lacy, Hood & Straughn (2001). Mean deviations between independently timed eclipses by the two telescopes (URSA & NFO) are not significantly larger than expected based on the error estimates, implying that the estimated timing errors are realistic.

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## References:

- Kwee, K. K. & van Woerden, H. 1956, BAN, 12, 327  
 Lacy, C. H. S., Hood, B. & Straughn, A., 2001, IBVS, No. 5067