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PHOTOELECTRIC MINIMA OF ER Ori AND XY Leo

In the next tables four minima of two eclipsing binaries are given. The photoelectric observations in V light were carried out using the 40 cm refractor of the Teramo Observatory. The heliocentric times of the minima and the mean errors were obtained with the method of Hertzsprung. In the third column (N) is reported the number of the single observations used in computing the time of minimum.

	J.D. hel. (2400000+)	m.e.	N	E	(O-C)
ER Ori	42023.35162 ± 0.00002	0.00002	15	13024.5	-0.0185
	42030.55008	.00001	13	13041.5	- .0179

The comparison and check stars of ER Ori are BD -8°1051 and BD -8°1056, respectively. (O-C)'s were computed from the elements of the "1973 Rocznik Astronomiczny".

			E ^I	(O-C) ^I	E ^{II}	(O-C) ^{II}	
XY Leo	42051.61956	.00003	20	24131.0	0.1198	23117.0	0.0329
	42099.48964	.00001	27	24299.5	.1175	23285.5	.0320

The comparison star is BD +18°2306. The E^I and (O-C)^I have been computed from the elements of Koch (1960); the E^{II} and (O-C)^{II} from those of Tempesti - De Carlo (1968), since the "1973 Rocznik Astronomiczny" gives the initial epoch of Koch and the period of Tempesti - De Carlo.

Teramo Astronomical Observatory
 I - 64100 Teramo

R. BURCHI
 F. ZAVATTI

References:

Koch R.H., 1960, Astron.Journ. 65, 374
 Tempesti P., De Carlo R., 1968, Note e Comunicazioni dell'Osservatorio di Teramo n. 45