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IMPROVED AND CURRENT ELEMENTS FOR  
 50 CEPHEIDS

The following elements were derived from published and unpublished data in the course of a study of the phase lag of the luminosity-curve behind the velocity-curve for Cepheids (see Astr. Circular USSR, N 311, 1964). Many of the Cepheids were simultaneously searched for variability of their periods. Detailed data will be published in another paper.

TT Aql	Max <sub>v</sub> JD =	2437236.10 + 13. <sup>d</sup> 7546 E	(>2418500)	(2)
V336		35335.20 + 7.30388 E	(>2428000)	(2)
RX Aur		37599.54 + 11.62275 E	(>2433000)	(1)
AN		36822.85 + 10.2906 E		
RW Cam		36847.88 + 16.4145 E	(>2427000)	(1)
RW CMa		28201.83 + 5.72941 E		
TV		35567.16 + 4.66981 E		
VY Car		34794.38 + 18.9484 E		(3)
l		04632.7 + 35.5354 E		
RS Cas		36861.58 + 6.2972 E	(>2435300)	(1)
RW		37168.23 + 14.7958 E	(>2429000)	(1)
RY		33424.05 + 12.1376 E	(>2424000)	(3)
SW		36846.84 + 5.4410 E		
V Cen		35089.38 + 5.4937 E		(3)
AZ		35223.40 + 3.21340 E		(2)
V339		35163.96 + 9.4661 E		
v419		35236.88 + 5.5085 E	(>2433500)	(1)
S Cru		35170.50 + 4.6901 E	(>2427400)	(2)
SZ Cyg		36779.33 + 15.1079 E	(>2431500)	
MW Cyg		36808.45 + 5.95469 E	(>2428000)	(1)
V386		29417.58 + 5.25762 E		
β Dor		35206.44 + 9.84200 E	(>2429000)	(1)
W Gem		37627.34 + 7.91413 E	(>2428000)	(1)
RZ		34128.00 + 5.52952 E	(>2427500)	(1)
AD		36831.28 + 3.78796 E		

X Lac	Max <sub>V</sub> JD	= 2436814.00 + 5.44506 E	(>2429000)	(1)
SV	Mon	37092.00 + 15.2316 E	(>2427000)	(2)
SZ		37627.56 + 16.327 E	(>2433000)	(1)
AC		29636.68 + 8.01427 E		
R Mus		34847.38 + 7.51027 E		
S		37835.90 + 9.6590 E		
S Nor		34586.58 + 9.75444 E	(>2434000)	(1)
BF Oph		34941.04 + 4.06776 E	(>2426000)	(1)
SX Per		29145.60 + 4.28994 E	(>2422000)	(2)
UX		37215.71 + 4.97247 E		
RS Pup		34824.14 + 41.388 E	(>2427500)	(1)
WX		35256.41 + 8.9377 E	(>2426700)	(1)
AT		35582.40 + 6.6652 E	(>2432200)	(2)
U Sgr		34947.55 + 6.74531 E	(>2430500)	(1)
X		35643.51 + 7.0126 E	(>2419500)	(1)
VY		34567.83 + 13.557 E		
WZ		37910.24 + 21.8509 E	(>2427000)	(1)
AP		37234.16 + 5.05796 E	(>2426500)	(2)
BB		36790.11 + 6.63683 E		
V350		35358.29 + 5.15419 E		
RU Sct		26190.47 + 19.701 E	(>2429000)	(1)
ST Tau		37594.62 + 4.03443 E	(>2430000)	(2)
SZ		37626.21 + 3.14887 E	(>2432500)	(2)
AH Vel		34866.28 + 4.22713 E		

Notes: (1) P var; (2) P possible var; (3) Elements in General Cat.  
Var. St. 1958 are incorrect.

New observations and estimates on old plates would be very valuable for the following stars: U Car (new), V Car (new), IT Car (new), AP Cas (JD 2427000 - 36000), W Sgr (new), TY Sct (new), EV Sct (old and new!).

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