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IMPROVED ELEMENTS FOR SEVEN RR LYRAE STARS

The following elements were derived from Harvard patrol-plate estimates. The plates generally spanned the interval 1890-1950, while other observers' maxima often extended coverage into the 1960's. An approximate value $\overline{(O-C)}$ for the residual of a single normal maximum is given, as well as the total interval covered by the observations.

YZ AQUARII

Max $JD_{\odot}$ = 2435364.429 + $0^d.5519319$ E

Interval: 2412971-38298

$\overline{O-C}: \pm 0^d.02$

AA AQUARII

Max $JD_{\odot}$ = 2420748.585 + $0^d.6088901$ E

Interval: 2413146-37545

$\overline{O-C}: \pm 0^d.02$

BN AQUARII

Max $JD_{\odot}$ = 2429395.742 + $0^d.4696410$ E + $(3^d.3 \times 10^{-10})E^2$

Interval: 2413762-37872

$\overline{O-C}: \pm 0^d.01$

BO AQUARII

Max $JD_{\odot}$ = 2426589.427 + $0^{d}.6940195$ E

Interval: 2413408-37549

$\overline{O - C}$: $\pm$ $0^{d}.02$

RU CETI

Max $JD_{\odot}$ = 2426964.003 + $0^{d}.58630000$ E - $(1^{d}.20 \times 10^{-9})E^{2}$

Interval: 2411392-38294

$\overline{O - C}$: $\pm$ $0^{d}.03$

RX CETI

Max $JD_{\odot}$ = 2429961.094 + $0^{d}.5737055$ E

Interval: 2411659-33572

$\overline{O - C}$: $\pm$ $0^{d}.02$

Max $JD_{\odot}$ = 2427328.366 + $0^{d}.5737092$ E - $(6^{d}.57 \times 10^{-10})E^{2}$

Interval: 2427328-37913

$\overline{O - C}$: $\pm$ $0^{d}.015$

RW SCULPTORIS

Max $JD_{\odot}$ = 2424731.866 + $0^{d}.45170768$ E

Interval: 2411254-34309

$\overline{O - C}$: $\pm$ $0^{d}.02$

A discussion of RU Ceti, RX Ceti, and RW Sculptoris has been sent to Variable Stars; it is planned to submit a paper on the other stars to the same journal in the near future.

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