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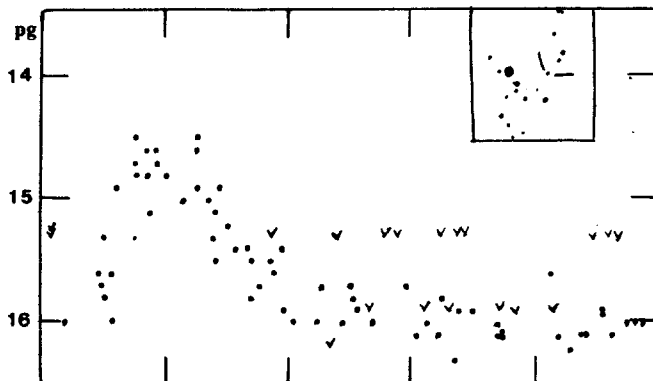
Konkoly Observatory
Budapest
1975 January 15

A NEW RR LYRAE VARIABLE IN COMA BERENICES

On Nantucket plates taken between 1964 and 1974 I have found a new RR Lyrae-type star at $12^{\text{h}}14^{\text{m}}23^{\text{s}} +29^{\circ}00'.4$ (1900). Step estimates of its brightness on about 100 plates were carried out by the students Donna Henry, Sharon Beck and Janet Johnston. The means of their estimates have been reduced to very provisional photographic magnitudes on the basis of stars in SA 56 some 2.5 degrees distant.

In the Figure, I have represented the observations by a reciprocal period of $1.87099^{-\text{d}}$. The insert is a diagram of the field approximately $20' \times 20'$ with North at the top. The brightest star in the field is BD $+29^{\circ}2280$.

The elements are: $\text{Max} = \text{J.p. } 40377.654 + 0^{\text{d}}.534476$, range 14.8-16.1pg. Miss Johnston has tested this period against possible spurious periods but did not succeed in finding any other period which would satisfy the observations equally well.



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