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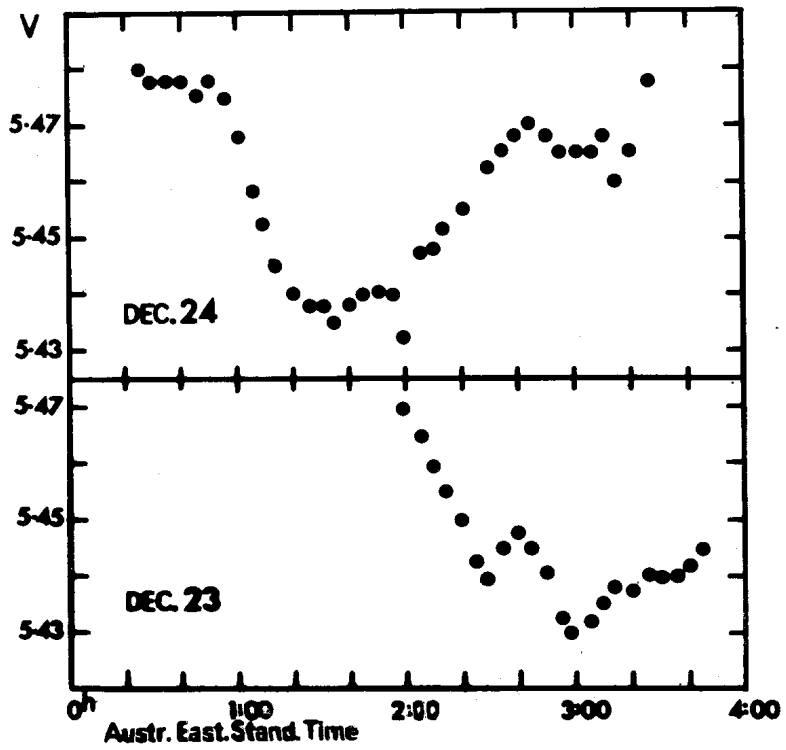
HR 2707: A DELTA SCUTI VARIABLE

The bright star HR 2707, (V_E, B-V, U-B) = (5.4, +0.29, +0.18) has been found to be a small amplitude variable. Observations on December 23 and 24, 1967 are shown in Figure 1; the comparison



star was HR 2714 ($4^m.1$, AO). The period is uncertain but probably near $0^d.11$. The amplitude may be variable as observations under poorer conditions on December 25 and 26 failed to show a variation greater than $0^m.02$. The radial velocity is variable with a mean value of +30 km/s, giving (U,V,W)= (+27, -15, -16) if $M_V = +0^m.5$ and using the well determined proper motion of $(\mu_\alpha \cos\delta, \mu_\delta) = (-0''.033, -0''.016)$.

O. J. EGGEN

Mount Stromlo and Siding Spring Observatories
Research School of Physical Sciences
The Australian National University