Erratum, JAAVSO Volume 36, 2008

Photometry, Spectroscopy, and Classification of Nova V475 Scuti: Erratum

Donn Starkey
2507 County Road 60, Auburn, IN 46706

Received October 7, 2008; accepted October 7, 2008

In the paper “Photometry, Spectroscopy, and Classification of Nova V475 Scuti” by D. Starkey (JAAVSO, 2005, 34, 36–42), there is an error in Equation (2), the descriptions of Equations (2) and (3) should be amended, and a fourth equation and its description should be added.

Equation (2) should read:

\[ M_v = -7.92 - 0.81 \arctan \left( \frac{1.32 - \log (t_2)}{0.23} \right) \]  \hspace{1cm} (2)

The description of Equation (2) should read: “where \( M_v \) equals the absolute V-band magnitude of the nova, \( t_2 \) is the time in days for the nova to drop exactly two magnitudes in brightness in the V-band, and the value of the arctangent is in radians.”

The description for Equation (3) should read: “where \( m_v \) equals the apparent or observed magnitude of V475 Sct at maximum, \( D \) equals the distance to the nova in pc, and \( A_v \) is the total galactic absorption of the light path to the nova in V-band magnitudes.”

A fourth equation, and descriptive text should be added as follows: “The total galactic absorption can be determined by:

\[ A_v = a_v \times D \]  \hspace{1cm} (4)

where \( a_v \) is the galactic absorption factor of 1.9 \( V \) mags/kpc.”