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THE IDENTIFICATION OF OI 090.4 AND CSV 1180

The proximity of the BL Lacertae object OI 090.4 to the suspected variable 1180 (=Ross 200 = Prager 512) has been noted earlier by one of us (Baumert 1978). In fact, Baumert suggested that the coordinates given by Ross (1927) may be in error and that Ross actually observed a brightening of OI 090.4 in 1915 and 1927.

The arguments for this hypothesis were 1) the difference of only $+1^{\text{S}}.9$ in right ascension and $+0^{\text{M}}.64$ in declination between CSV 1180 and OI 090.4; 2) the comment by Sandig (1947) that he found no object at Ross' position that varied by more than 0.15 mag; 3) the closest star to the position cited by Ross was at best nearly 3 mag fainter than those quoted by Ross; and 4) OI 090.4 was brighter than normal in 1915 and 1927.

Ross' original plates have been searched in order to confirm or deny the hypothesis. A careful inspection of the plates reveals that the only object in the region that varies significantly is OI 090.4, thus confirming the identity of CSV 1180 and OI 090.4.

The magnitudes cited by Ross are also in error. Cudworth, using the photometric sequence of Baumert (1978), determined $m_{\text{pg}} \approx 14.2$ for 1915 March 12 and 15.5 for 1927 Jan. 5. The error for each estimate is ± 0.2 mag. These magnitudes are consistent with those obtained by Baumert (1980) who determined a magnitude of 14.7 for 1915 Feb. 19, 15.3 for 1927 Jan. 7, 15.4 for 1927 March 1, and 15.6 for 1927 March 8.

In closing, it is noted that the labels A and B are reversed in Figure 1 of Baumert (1978). They are labelled correctly in Baumert (1980).

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