Spectrophotometry of \(\epsilon\) Aur, 3295-8880 \(\AA\)

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We obtained spectrophotometric scans at 8 \(\AA\) resolution from 3295 to 8880 \(\AA\) on twenty nights before, during, and after the recent eclipse of \(\epsilon\) Aurigae, beginning with a pre-eclipse observation on 5 March 1982 U.T. The observations were reduced to absolute flux using the standard stars 109 Vir or \(\xi^2\) Ceti. Our data confirm that the eclipse is essentially gray over the entire visible spectrum, as others have noted from broadband photometry. High-resolution echellograms (4500-6700 \(\AA\)) made through mid-eclipse and the scans show changes in the equivalent widths of H\(\alpha\), Na D, and O I as large as a factor of two.