

SPECTROSCOPY OF WZ SAGITTAE

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WZ Sge was observed spectroscopically during quiescence in August 1978 and July 1979, before and after the December 1978 outburst. The same instrumental set up was used, namely the Image Photon Counting System on the Anglo-Australian Telescope. Time resolved spectra were obtained in phase over several orbital periods, in wavelength ranges covering H β and H γ and also separately H α . These data are being used to study the "before and after" changes in the emission line profiles, in the radial velocities of the S-wave and of the emission lines, and in the broad absorption line profiles. Additionally these features are being studied as a function of orbital phase in order to improve the determination of system parameters. When completed, the results will be published elsewhere.

Ultraviolet spectra were obtained with the I.U.E. Satellite during the 1978 December outburst. The low resolution spectra yield information on the evolution of the spectrum during the decline, the short timescale emission line variability and the ultraviolet orbital light curve. The high resolution spectra enable the structure of the emission lines to be investigated. A paper containing the full results is being prepared for publication (Fabian et al. 1979).

REFERENCES

Fabian, A.C., Pringle, J.E., Stickland, D.J. and Whelan, J.A.J. 1979, in preparation.