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WEAKENING OF H_{β} EMISSION OF PU Vul

The peculiar nova-like variable PU Vul was observed on August 29 and September 1, 1983 using the grating spectrograph attached to the 60/90-cm Schmidt telescope of Peking Observatory, and in October of Yunnan Observatory. The H_{β} appeared in emission on September 1 and was seen to be much enhanced in October, 1983 (Liu Zongli, Hao Xiangliang, I.B.V.S. No. 2446, 1983).

We observed the same star again with the above mentioned instruments in November, 1983 at Yunnan Observatory and in December at Peking Observatory. Four plates were obtained altogether. The H_{β} emission became very faint. The trace of H_{β} emission could still be seen on November 3 and 6, 1983. But one could hardly find it on November 4 and December 11, 1983. The H_{α} emission also seemed to weaken.

The tracings of the spectra obtained on October 10 and November 4, 1983 are presented in Figure 1.

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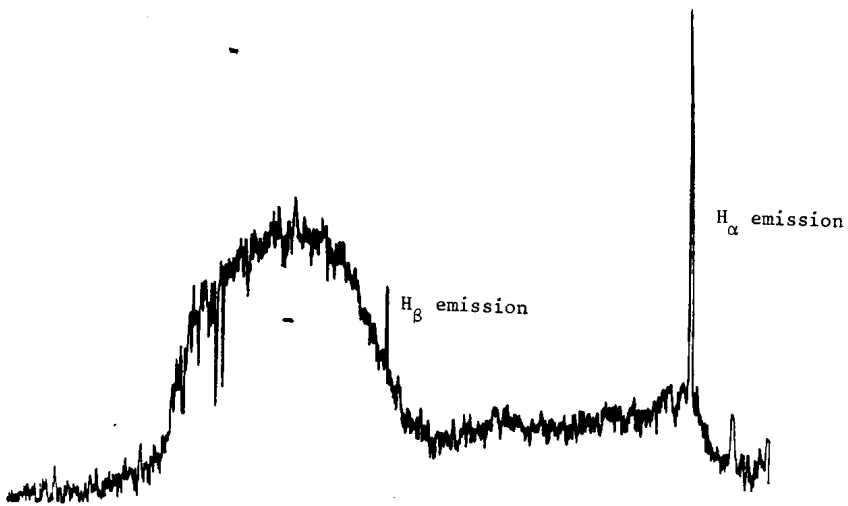


Figure 1a

Tracing of spectrum on 10 October 1983

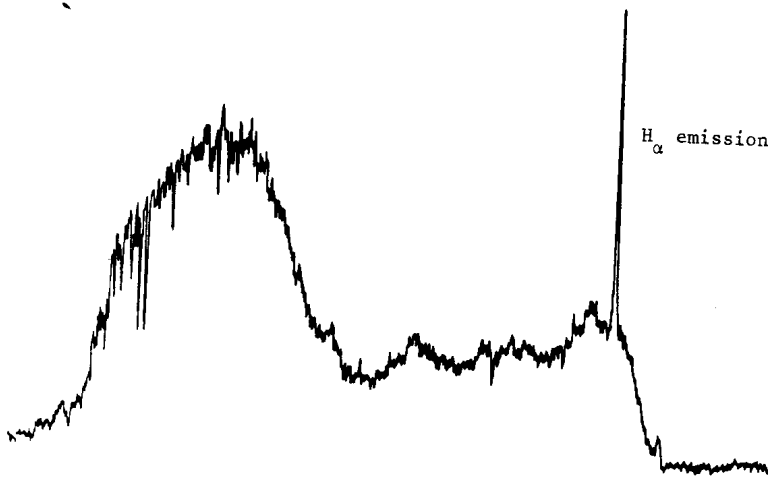


Figure 1b

Tracing of spectrum on 4 November 1983