

Absorption Spectrum of RCrB During the Light Minimum

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Observations of RCrB obtained during the 1986 and early part of 1963 light minima show the following changes relative to the spectrum obtained at maximum light.

The molecular band of C_2 (Swan System), CN bands at $\lambda 4215$ and low excitation metal lines are enhanced in absorption.

The strong singly ionized metal lines are weaker, e.g., Ti II, Sc II, consistent with the interpretation of filling in by the chromospheric emissions.

The equivalent width of absorption lines of CI either get weaker (i.e., 1986 minimum) or remain constant (1963 minimum) during the light minimum.

An absorption feature at $\lambda 4050.5 \text{ \AA}$ probably due to C_3 occurs during the early decline and disappears by the end of the minimum.