Possible indicator of incipient light minimum in a star with the R Coronae Borealis type variability

Alexander E. Rosenbush

Main Astronomical Observatory of the National Academy of Sciences of the Ukraine, Zabolotnoho str. 27, 03680 Kyiv, Ukraine. e-mail: aeros@mao.kiev.ua

The appearance of the 25 km/s blue-shifted component in the Na I D lines may be interpreted as evidence for incipient visual light minimum in a star with the R Coronae Borealis type variability. Beginning in 1994, this component was a forerunner of the visual light minimum in R CrB itself at least three times. In the 1995, 1998, and probably in the 2003 minimum, it was found for a day or several days up to the beginning of light decline. Similar relation was also found for one of the infrared triplet line Ca II λ854.2 nm.