

Decommissioned

The two-channel photometer is used at the Cassegrain focus to observe contemporaneously the variable and the comparison star. Two similar photometers are radially located on a rotating platform. The rotation of the platform around the optical axis of the telescope allow to align the photometer heads with the line joining the two stars and then pick-up the star light by moving the two 90° reflecting prisms on the star positions. All movements should be done manually at the telescope. Both photometers use EMI 9863QA photomultipliers cooled to -15 C. The same PC and software of the single channel photometer is used to operate the two heads as an option allowed by the [Obelix](#) program.

Star distance constraints:
minimum separation: 4 arcmin
maximum separation: 20 arcmin

Filters

Johnson system: U B V
Stromgren system: u b v y H-beta(N,W)

Time resolution:

0.1sec with 2-8 filters

0.01 sec only one filter

Limiting magnitude:

$5 < V < 12$ in UBV (limit given by the pointing and aligning optics)

$3 < V < 12$ in ubvy H-beta