

Methane-band filters for recording occultations by the gas giant planets

Oliver Kloes, oliverkloes@nexgo.de wrote on 2025 March 26:

Hi David, Konrad & Wolfgang,

There are two different options.

a narrow band filter (8 nm) from Baader:

[Baader Methane-Filter 1¼" \(889nm, 8nm\) - English](#)

and one with a wider band of 20 nm from ZWO and QHY (cheaper than the Baader):

[20nm CH4 Methane Filter - Discovery Astrophotography with ZWO ASTRO](#)

[QHY Expansion Methane Filter and Lens Kit for QHY5-III 462C and Other Cameras](#)

Regards,

Oliver

\*- I think the wider 20nm filter will be better for most since it will pass more light of the star. I don't know how narrow the methane absorption lines are for these planets, but I think it's unlikely that the narrow filter will give a significantly better contrast advantage, unless you have access to a meter-class telescope.