Greg’s Ring

Jerry Foote 12/9/2020

This experimental part follows Geg’s idea of sending a ring of light into the LowSpec in front of the OVIO disk. I consists of two parts that are glued together. It is envisioned to be printed in a white material and after gluing the outside is painted black.

The light source, at this time, are two small neon bulbs (glass diameter 4.6mm x 11.5mm long) that are inserted from the spectrograph side into the cavity and energized. The ring of light comes from the beveled edge that faces the slit. The assembly is inserted into the telescope port from the spectrograph side and bottoms out on the threaded insert. The Guide pickoff mirror might need to be removed to install the ring and then re-installed.

If the concept works the neon light sources will need to be replaced by a relco type lamp and tungsten lamps for flat fielding.

The opening in the ring will allow an f/6 beam or slower without vignetting.