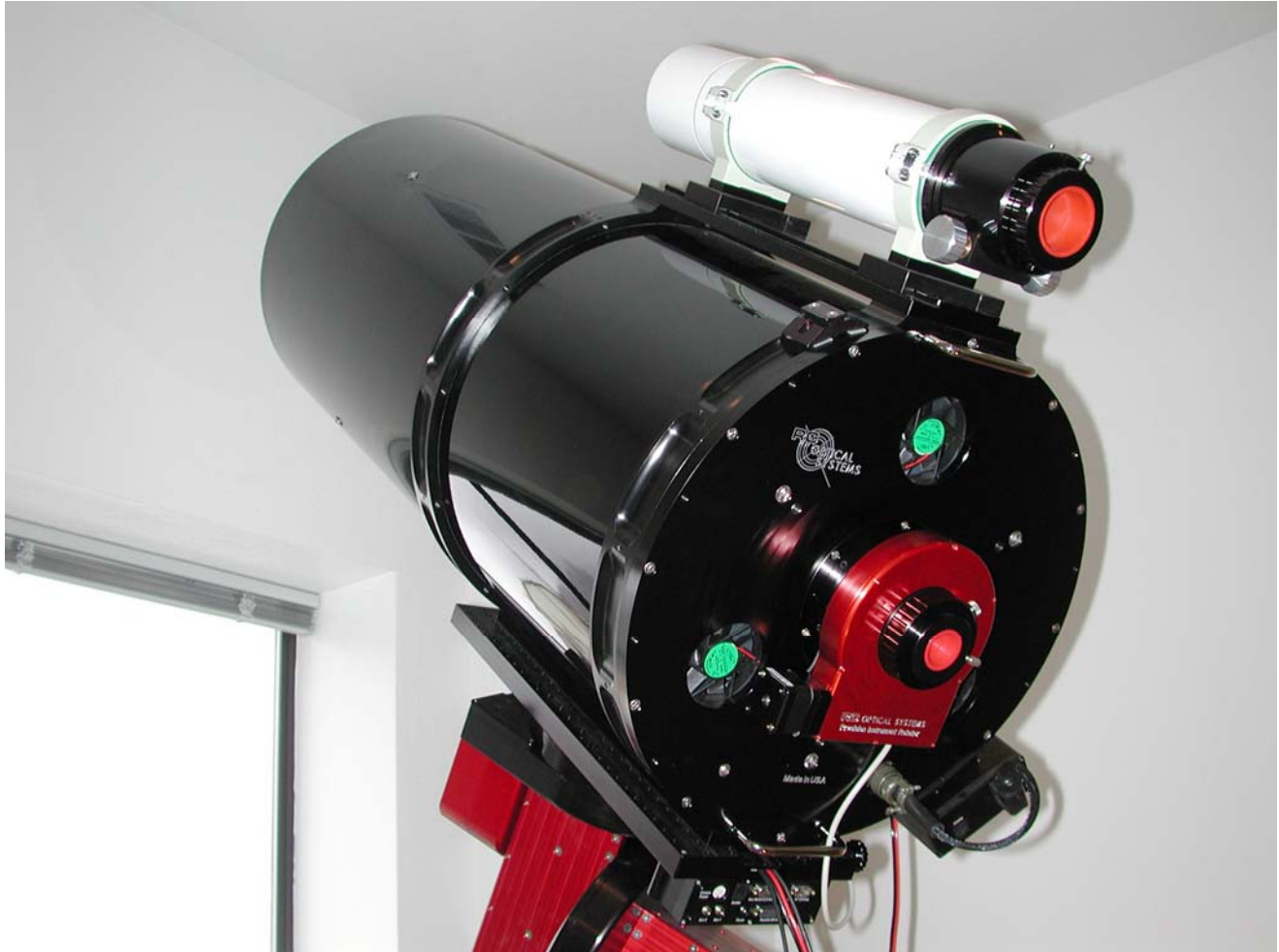




Installation of the Field Flattener/Corrector into the Precision Instrument Rotator

NOTE: This document is specific to RC Optical Systems 12.5 and 14.5 inch Ritchey-Chrétien telescopes.



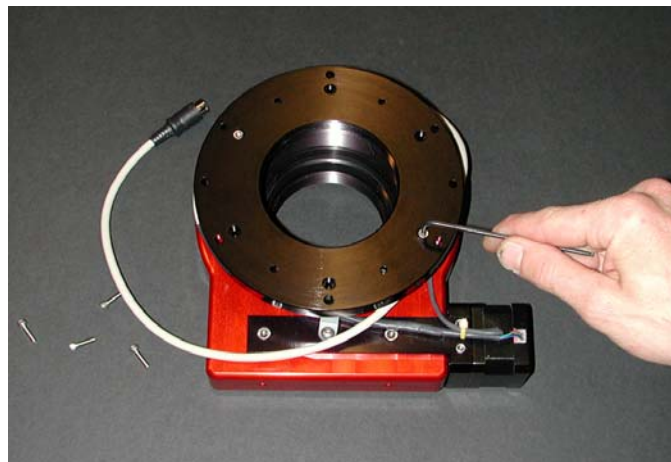
Precision Instrument Rotator (PIR) equipped with the Field Flattener / Corrector (FFC) show here on a 14.5RC Carbon Tube Telescope.



The FFC is installed into a lens cell that is designed to screw into your 2004/5 PIR. Please have your FFC on hand and ready for installation.



The RCOS FFC lens.



Remove the PIR from the backplate of your RCOS telescope. Once removed, place the PIR face down and remove the 6 socket head cap set screws from the back of the mounting plate. There are two dowel pins in place at 180 degrees from each other that are designed to be a slip fit.



Once the socket head cap screws are removed pull the mounting plate from the PIR. This is threaded to accept the FFC lens housing.



Install the FFC lens cell into the mounting ring of the PIR.



Re-install the PIR mounting plate with the FFC lens in place. Note: The FFC is non-rotating inside the PIR.



Once assembled, it's easy to see the FFC is actually fully inside of the PIR assembly.



The FFC lens is visible from the front of the PIR assembly. There is no telecompression with the FFC lens. To date, we have not tested the FFC with any commercially available focal reducers.