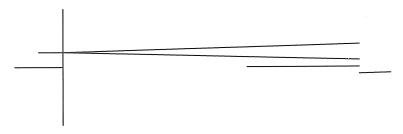


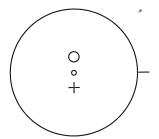
Rotation = 180 degrees

Leaving the instrument rotator at 180 degrees tilt the alignamet telescope to bring the auto reflected image to the center of the field of the alignment telescope.

If possible translate the alignment telescope to bring the cneter of the target to the cneter of the field of the alignment telescope (this is not possible on the fixtures used on magellan)

At this point the alignment telescope has its center on the instrument rotator axis and the optical axis of the alignment telescope is parrell to the axis of the instrument rotator.

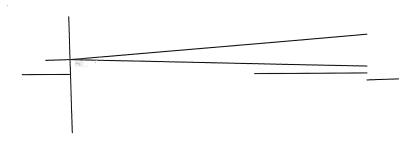


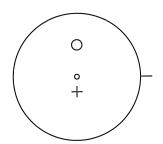


Rotation = 180 degrees

Leaving the instrument rotator at 180 degrees tilt the traget mirror such that the auto reflection image of the front of the alignment telescope image is half way between its original position and the cneter of the field of the alignamet telescope.

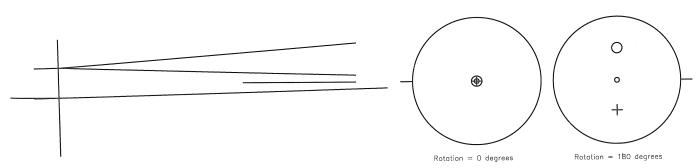
At this point the target mirror has its center on the instrument rotator axis and the surface of the target mirror is perpendicular to the axis of the instrument rotator.





Rotation = 180 degrees

Leaving the instrument rotator at 180 degrees translate the traget mirror such that its image is half way between its original position and the aneter of the field of the alignamet telescope.



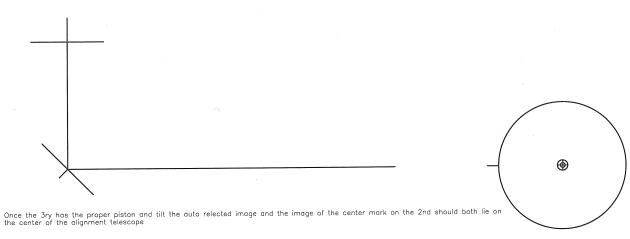
Install alignment scope in fixture in rotator, and install target mirror assembly in front of alignment telescope.

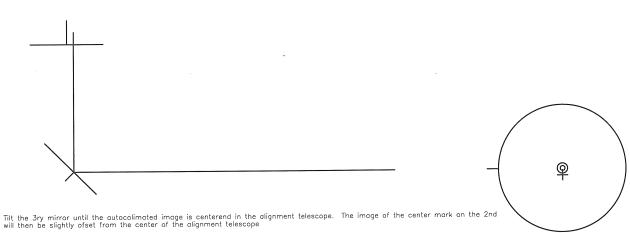
Translate target mirror such that the center of the target mirror is centered on the crosshairs in the alignment telescope.

Tilt the target mirror such that the image of the front of the alignment telescope (auto reflect image) is centered on the crosshairs in the alignment telescope.

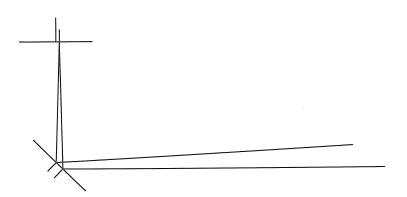
Rotate the instrument rotator 180 degrees and note the position of the target mirror center and the auto reflect image center.







If the mark on the 2nd is low wrt the autoreflected image the 3ry needs to be retracted, if the mark is hi then the 3ry needs to be pistoned out.



Starting assuption is that the alignment telescope is on the rotator axis and that the secondary mirror is concentric with and perpendicular to the casigrain rotator axis.

