
NIRSPEC

UCLA Astrophysics Program

U.C. Berkeley

W.M.Keck Observatory

George Brims

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NIRSPEC Cryomechanics Design Note 10.00 Collimating mirror support

Introduction

The collimating mirror is an off-axis parabola fabricated from aluminum by diamond turning. It must be supported and aligned in the appropriate position.

What next?

This should be a fairly straightforward section of the design, but we need to make sure we have the right kind of adjustments available for the alignment process. The mirror will be some distance above the optical path, so we need to make sure the mount is sufficiently stiff to support it. This design will tie in with other alignment and mounting design work. We have to come up with a consistent way of mounting all our optical sub-assemblies to the optical plate.