



NGAO Functional Requirements

Key	Name	Sect	Cat	Priority	WBS	Description	Rationale	Traceability	Status	Version	Verification	Originator	Last Modified
FR-31	Input K-mirror	Optical	Functional	Essential	1.2.3	The AO system shall have a derotator at the front end of the optical train. It shall be located optically upstream of the science instruments, wavefront sensors, and tip/tilt sensors. It is envisioned that this can be accomplished by a K-mirror arrangement.	The purpose of this element is to remove the effects of field rotation caused by the AO system being located on a Nasmyth platform of an altitude over azimuth mounted telescope.	SR-424 Title: NGAO System Architecture Definition KAON 499 Version: 1.2 Section: 10 System Architecture 5: The "Cascaded Relay" page 19 Date: August 28, 2007 File: KAON_499_v1.2.pdf	Draft	1.0	Inspection	Chris Neyman	Mar 5, 2009 12:58 PM