

Title: APO KOSMOS Quick Look
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Revision: 2
Date: 10/5/21

KOSMOS-II (ARC 3.5m) Quick Look

- Modes: Imaging, Long-slit and MOS possible (MOS requires custom masks - must use NA2 guider)
- Pixel Scale - 0.257 arcsec/pixel
- Wavelength Range - 3600Å - 10000Å
- Spectral Resolution (varies with slit width)
R = ~2200 with 0.8 arcsec slit
- Nominal Currently-Available VPH Grism Wavelength Ranges
 - 3800-6600Å
 - 5800-9400Å
- Wavelength Ranges (Depending on Choice of 3 Possible Slit Positions and 2 Currently-Available Grisms - Allowing 6 Setups)
 - 3700-6200Å
 - 3800-6600Å
 - 4150-7050Å
 - 5000-8900Å
 - 5600-9400Å
 - 6150-9800Å
- Reflective Slit (Use with guider)
 - Length - 6 arcmin
 - Widths - 0.85", 2.0", 7.0", 1.18" (center only)
- Non-Reflective Slit (Cannot be used with guider)
 - Lengths - 9.3 arcmin (Only 6 arcmin are used with current shutter)
 - Widths - 0.5", 0.8", 1.1", 1.3", 2.7"
- Detector Size = 4k x 2k e2V -15µm pixels

Guider

- FOV - 5.0' x 4.3'

Internal Calibration Lamps

- Illumination Field = ~6 arcminutes
- Spectral Calibration Lamps - Argon, Neon, Krypton
- Flat Field Lamp - Quartz-Halogen

Filters

- GG495, GG395, GG455, OG530, OG570, BG38, ND5.0m

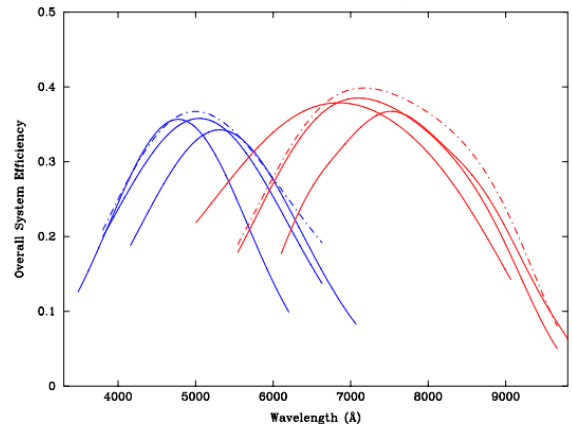


Figure: Throughput curves for the 6 currently available grating/slit-position setups

Versions

Version	Date	Changes
1	8/13/19	First Draft – Kal Kadlec
2	10/5/21	Post-Delivery - Kal Kadlec