

C/KOSMOS FACT SHEET

COSMOS (4-m Blanco telescope)

KOSMOS (4-m Mayall telescope)

Identical high-throughput multi-object/longslit spectrometer/imagers

- Peak total system throughput ~40%

Currently available configurations:

- Spectroscopy, R~2200 w/ 0.9 arcsec slit; long-slit coverage options:
 - 3500-6200A
 - 3800-6625A
 - 4160-7050A
 - 5000-9075A
 - 5550-9660A
 - 6110-10275A
 - Also provides 0.6, 1.2, 1.5, 3.0 arcsec slits; resolution scales accordingly
- Multi-slit coverage similar; details depend on mask design
 - Recommended mask FOV ~5x10 arcmin
- Imaging: 10 arcmin diameter FOV, available filters comprise *most* KPNO and CTIO 4-inch filters.
 - Narrowband filter passbands shift to blue
 - Some filters aren't optically flat and degrade images
 - Consult manual for details on what's useful
- Detector is an e2v CCD: deep-depletion device with broadband coating
- *Check back for detector and grism upgrades!*

Download the User Manual for more information!

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