90Prime is a prime focus wide-field imager for the Steward Observatory 90“ telescope. The optical design includes a four element corrector and six position filter wheel. The focal plane array is a mosaic of four 4k x 4k CCDs which have been processed for back illumination by the University of Arizona Imaging Technology Laboratory. The camera provides an imaging area of 1.0 square degree on the four CCDs. The edge-to-edge field-of-view including the inter-CCD spacing is 1.16° x 1.16° with a plate scale of 30.2”/mm or 0.45“/pixel.

Operational Links

- recent_changes_and_known_issues
- user_certification
- telescope_operation
- 90-inch_lightning_shutdown_procedure
- detector_information
- optics
- filter_information
- 90Prime Operation
- 90Prime vs 90PrimeOne
- software
- startup
- dithered_exposures
- pointing_wcs_flexture
- focus
- making_flat_fields
- observing_scripts
- helpful_hints

Other Relevent Links

- Bok telescope web site
- Steward Observatory web site
- Steward telescope schedules
- Photometric Fields (click on Stetson in upper left)
- University of Bonn Shutter 200mm x200mm
- CCD Controller (ARC Gen 3)
- UA Imaging Technology Laboratory (ITL)

The link below provides direct access to most 90Prime documents: 90prime_files