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Wide-Field CCD-Imager on the Burrell Schmidt Telescope at Kitt Peak

Kitt Peak National Observatory has had a CCD-imager on the 0.6 m Burrell Schmidt Telescope of Case Western University since 1989. This telescope is located on Kitt Peak and half of its observing time is allocated by the Kitt Peak Time Assignment Committee in the same way as for other Kitt Peak telescopes. The deadlines for proposals on the standard forms are March 31 and September 30.

Currently the imager has a thick STIS/Tektronix 2048 x 2048 CCD with 21 micron pixels. The CCD has been coated with Metachrome II to extend its blue sensitivity. The scale is 2.0 arcsec per pixel. A wide variety of broad and narrow-band 2 x 2 inch filters are currently available which with the present shutter assembly give an unvignetted field that is 63 arcmin in diameter. We will very soon be installing a new 4 x 4 inch filter wheel and shutter assembly which will increase the size of the unvignetted field.

Data is acquired using a Sun SparcStation and Kitt Peak's ICE CCD acquisition software. The focus is motor controlled and an automatic guiding system is available on an auxiliary refractor. The system has primarily been used for direct imaging but some work using objective prisms has also been done. Please get in touch with either of the undersigned for further information or telescope or instrument manuals.

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