

VATT Instrumentation and Computers

Current instruments and computing equipment available at the Vatican Advanced Technology Telescope are:

VATT CCD Imager - Vatt4k

- [VATT4k](#)

Galway Ultra Fast Imager - GUFI

- This L3CCD system, based on an Andor iXon back-illuminated CCD camera, gives a readout time of only 2ms, extremely high time resolutions of up to 400 images a second (subframed), and very low light level sensitivity.
- Field of view on VATT, 3 arcmin with current focal reducer.
- On loan from NUI Galway, currently until June 2011.
- Consult Richard Boyle for technical details, and see the [NUI Galway "Brown Dwarfs and Substellar Objects" group](#).

VATT CCD Spectrograph - VATTSpec

- [VATT Spectrograph](#)

Instrument Interface (a.k.a. the Guider Box)

- provides interface to derotator for all the above instruments, as well as offset and slit-viewing guiding with guide cameras
- effective back focal distance, from guide box to focal surface, is 2.000".
- contains two filter wheels, each holding four 3.48" square filters. Adapters to accommodate 2" and 3" square filters are available.
- UBVRI, uvby, Vilnius, Sloan, ECAS, and Order Blocking filters are currently provided.
- integrating sphere with continuum and calibration lamps.

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