

Appendix B

TELESCOPE INSTRUMENTATION

The design of the WHT allows great flexibility in instrumentation, as this telescopes allows fast and easy switching between the Cassegrain and Nasmyth foci. For this reason, and to take advantage of the large light collecting power of this telescope, operation and developmental efforts focus here. Also visiting instruments, i.e. instruments built and used by external groups for their own use, are welcome at the WHT and have attracted a great deal of attention. The INT and JKT are equipped with a restricted set of instruments that match the capability of the telescopes whilst satisfying the requirements of a large percentage of users as well as the financial constraints and scientific priorities for these telescopes. A broad functional division in instrumentation capability between the WHT, INT and JKT is as follows:

William Herschel Telescope	Spectroscopy and spectro-polarimetry over a wide range of resolving powers Multi-object spectroscopy Areal spectroscopy Optical and infrared imaging High spatial resolution imaging
Isaac Newton Telescope	Intermediate-dispersion spectroscopy CCD imaging
Jacobus Kapteyn Telescope	CCD imaging

The following table summarises the common-user instruments which were available during 2002 and 2003.

Focus	Instrument	Detector
William Herschel Telescope		
Cassegrain	ISIS double spectrograph	EEV and Marconi CCDs
	Auxiliary port camera (AUX)	Tektronix CCD
	Isaac Newton Group Red Imaging Device (INGRID)	Rockwell HgCdTI array
Nasmyth	Utrecht Echelle Spectrograph (UES — until Aug 2002)	SITe or EEV CCDs
	Adaptive optics instrumentation: NAOMI / INGRID / OSCA NAOMI / OASIS	Rockwell HgCdTI array MIT/LL CCD
	Prime Focus Imaging Camera (PFIP) Autofib Fibre Positioner (AF2) and WYFFOS spectrograph	2 × EEV CCD Tektronix CCD
Isaac Newton Telescope		
Cassegrain	Intermediate Dispersion Spectrograph (IDS)	Tektronix and EEV CCDs
Prime	Wide Field Camera (WFC)	4 × EEV CCDs
Jacobus Kapteyn Telescope		
Cassegrain	CCD camera	SITe CCD