

Appendix B

TELESCOPE INSTRUMENTATION

The design of the WHT allows great flexibility in instrumentation as this telescope facilitates fast and easy switching between the Cassegrain and Nasmyth foci. For this reason, and to take advantage of the large light collecting power of the telescope, operation and developmental efforts focus on the WHT. Also visiting instruments, i.e. instruments built and used by external groups for their own use, are welcomed at the WHT and have attracted a great deal of attention. The INT is equipped with two instruments, the Wide Field Camera and the Intermediate Dispersion Spectrograph.

A broad functional division in instrumentation capability between the WHT and INT is as follows:

William Herschel Telescope	Optical spectroscopy and spectro-polarimetry over a range of resolving powers Imaging polarimetry IR spectroscopy Multi-object spectroscopy Integral field spectroscopy Optical and infrared imaging High spatial resolution imaging Coronagraphy
Isaac Newton Telescope	Optical imaging Optical and intermediate-resolution spectroscopy

The following table summarises the common-user instruments which were available during 2006 and 2007:

Focus	Instrument	Detector	
William Herschel Telescope			
Cassegrain	Double-arm spectrograph (ISIS)	EEV and Marconi CCDs	
	Auxiliary port camera (AUX)	Tektronix CCD	
	IR imager and spectrograph (LIRIS)	Rockwell HgCdTe array	
Nasmyth	Adaptive optics instrumentation: NAOMI / INGRID / OSCA NAOMI / OASIS	Rockwell HgCdTe array MIT/LL CCD	
	Prime	Prime Focus Imaging Camera (PFIP)	2 × EEV CCD
		Autofib Fibre Positioner (AF2) and WYFFOS spectrograph	2 × EEV CCD
Isaac Newton Telescope			
Cassegrain	Intermediate-resolution spectrograph (IDS)	EEV CCD	
Prime	Wide Field Camera (WFC)	4 × EEV CCDs	
