

Appendix B

WYFFOS filters

B.1 Available Filters

Due to the unusual physical dimensions of the WYFFOS slit, filters used in the spectrograph are expensive and difficult to obtain. Currently (02/1999), four broad-band order sorting filters are available for use in reflection mode (top graph of accompanying figure), and a further five are available for order isolation in echelle mode. The echelle filters have interference coatings and have been selected to isolate important astrophysical diagnostics (e.g. $H\alpha$).

Focus offsets

The corrections to the slitfocus for the filter thicknesses are:-

Table B.1: filter table

Filter identification	Thickness (mm)	Focus Offset (μm)
BG39	3.00	+1000
GG495	3.00	+1000
OG530	3.00	+1000
RG630	3.00	+1000
<i>Echelle Filters</i>		
8830 \AA (order 3)	6.00	+2000
6625 \AA (order 4)	6.10	+2003
5300 \AA (order 5)	4.12	+1373
4415 \AA (order 6)	6.10	+2003
3785 \AA (order 7)	5.90	+1997

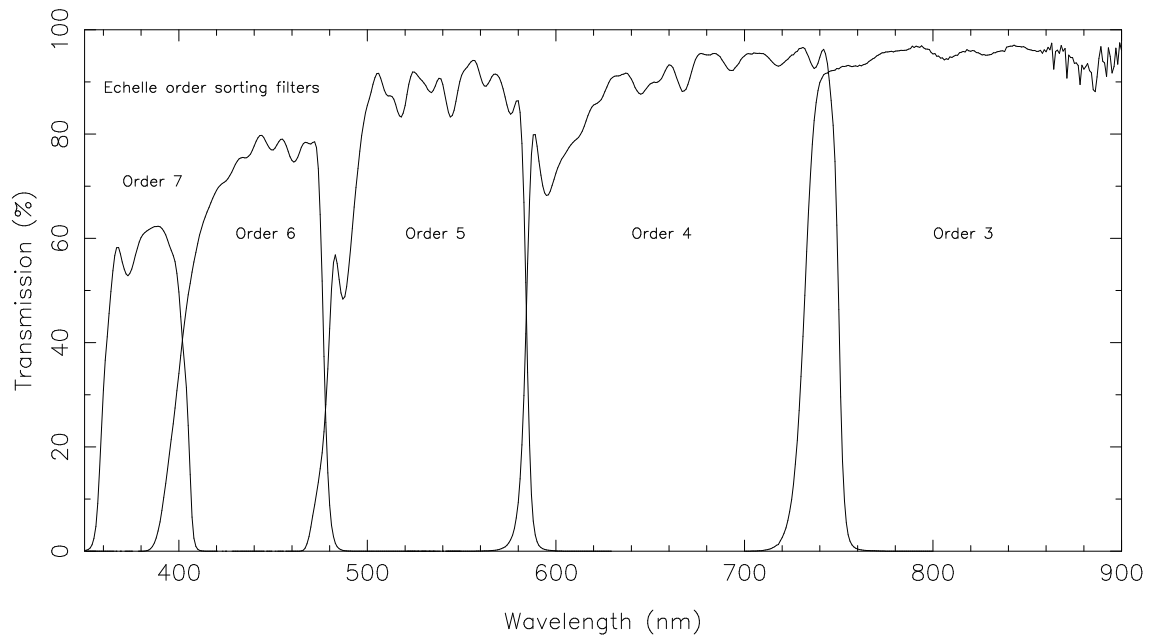
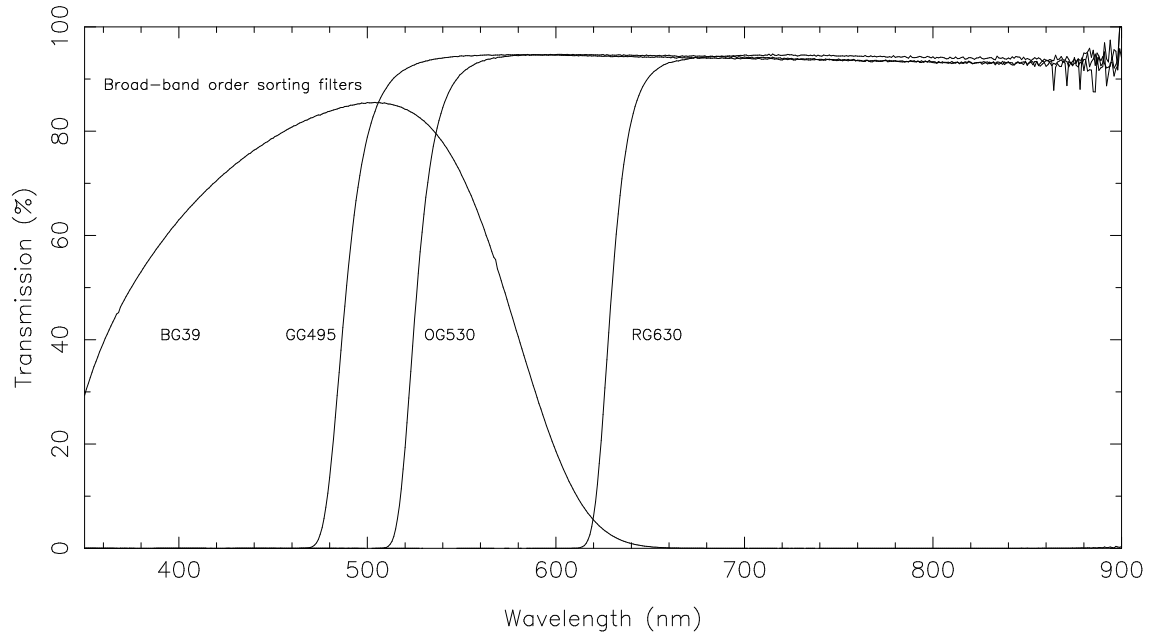


Figure B.1: filter scans