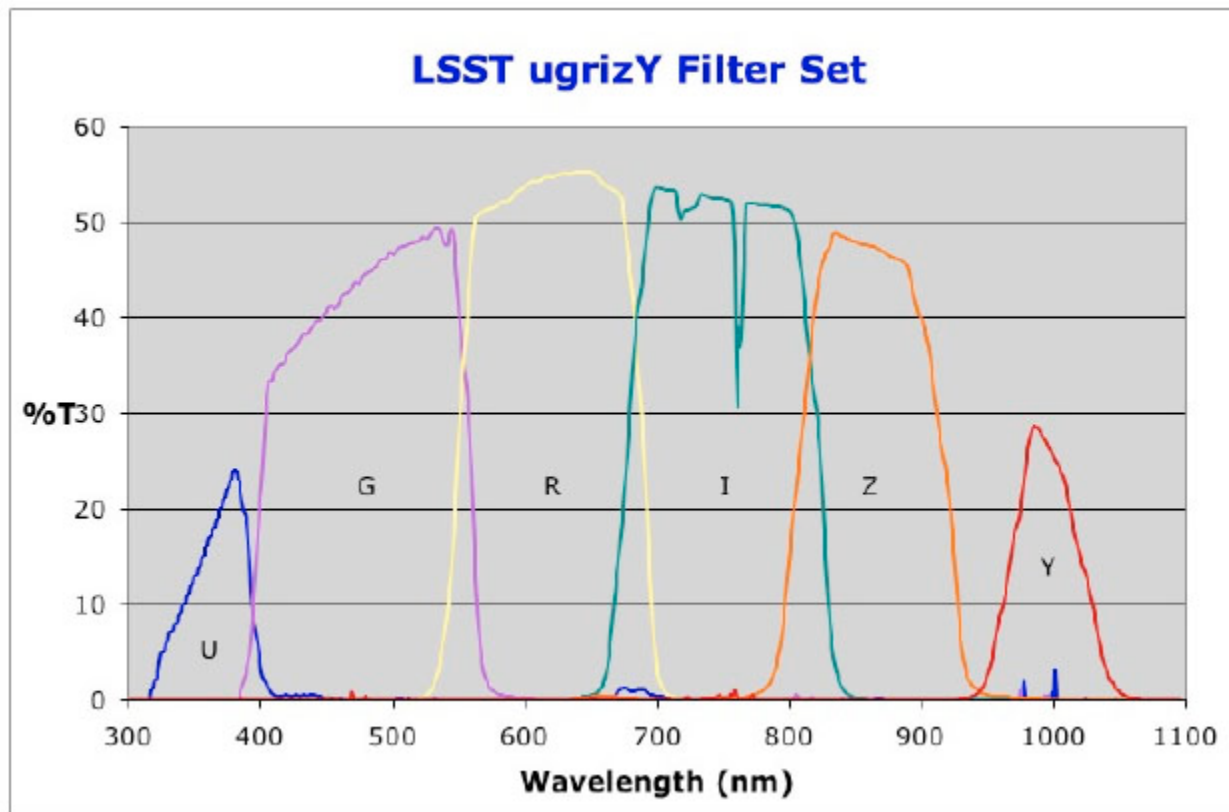
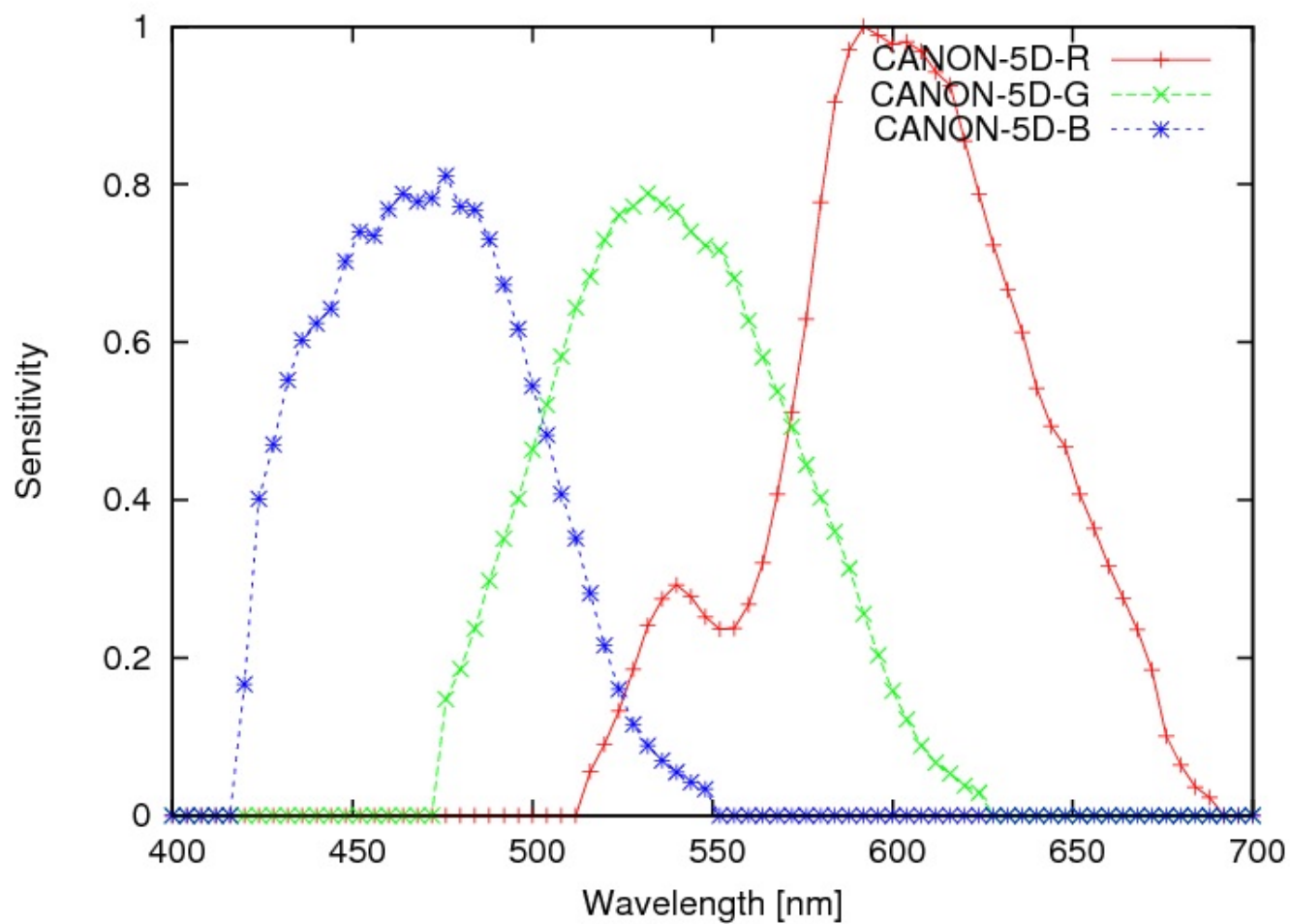


# filter considerations

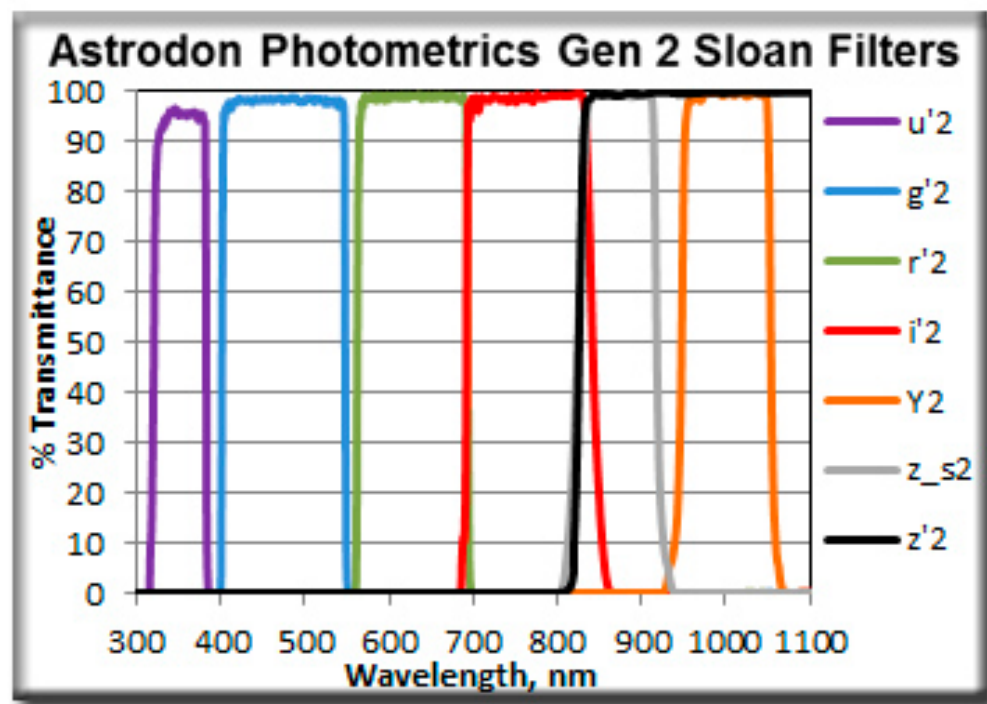
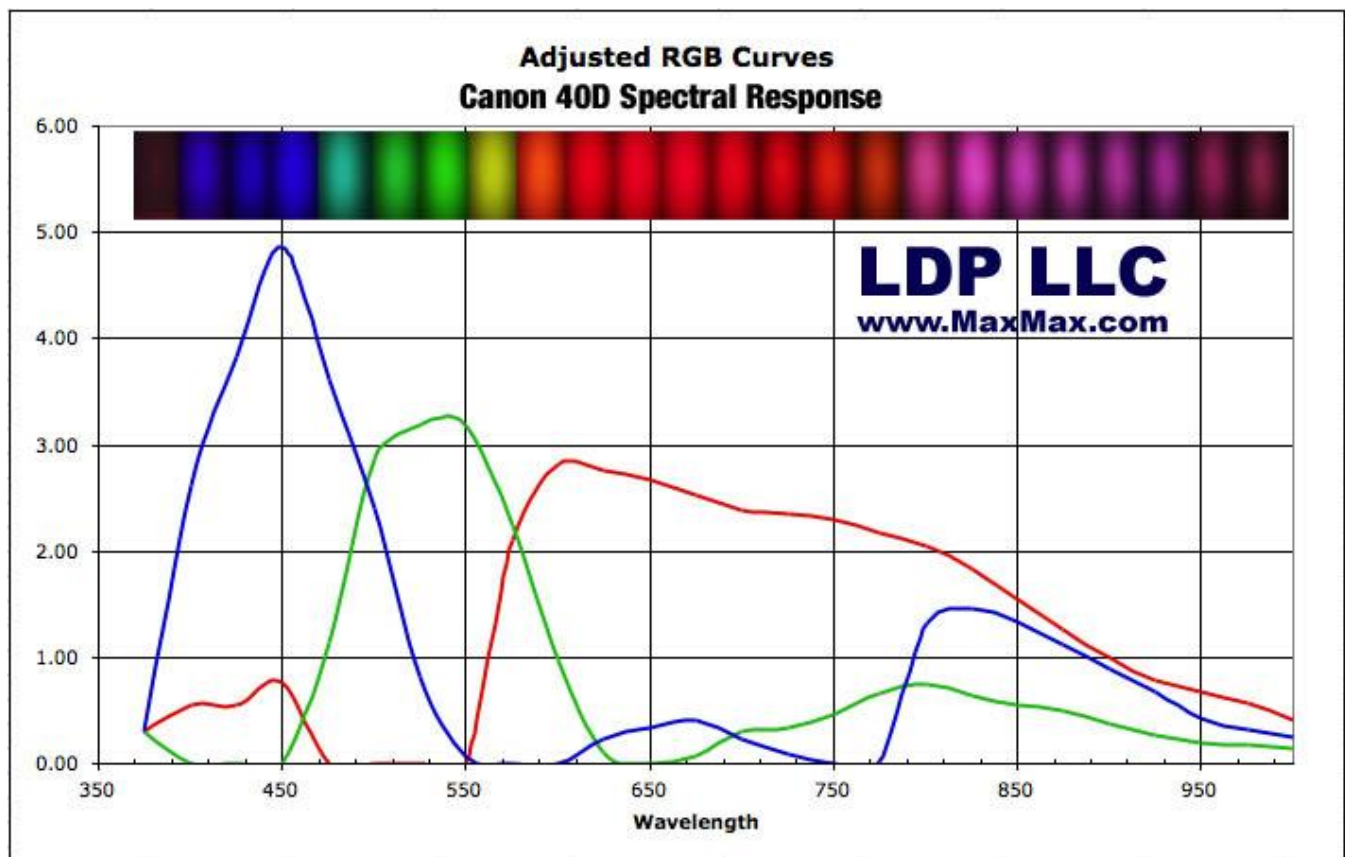
Nominal LSST passbands:



Canon 5D bayer passbands, with NIR block installed:



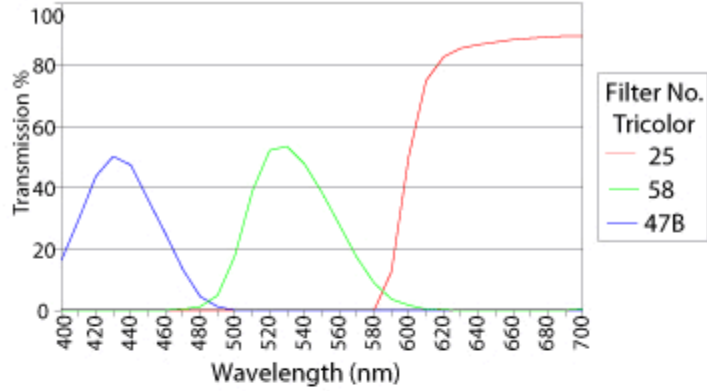
with NIR filter removed:



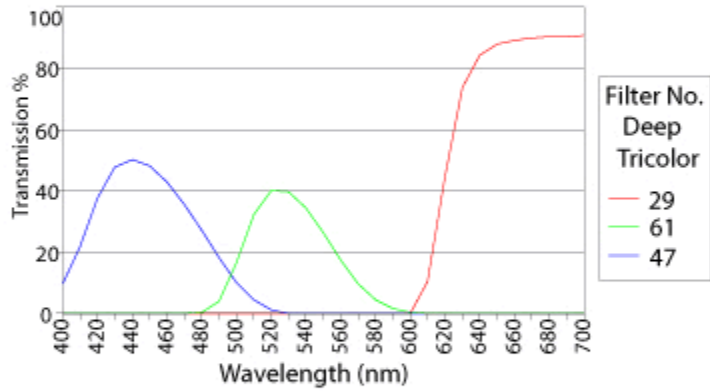
But note we are likely to use a broader y band, filling in the water notice at 940 nm.

The fisheye lenses have a provision for a film filter to be inserted. Kodak Wratten filters are typically used for this purpose. Edmund optics sells them from stock, with response curves of:

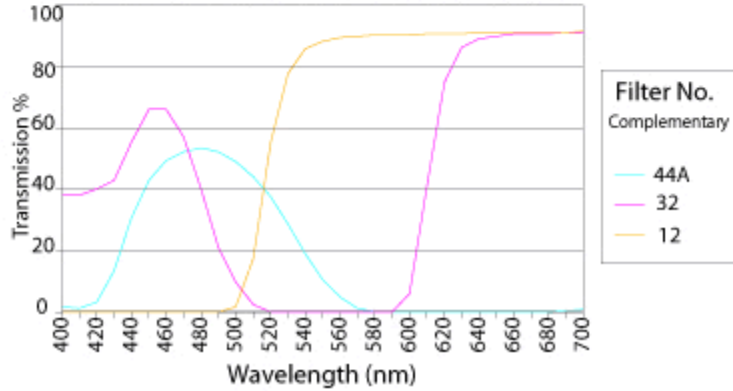
KODAK WRATTEN COLOR GELATIN FILTERS

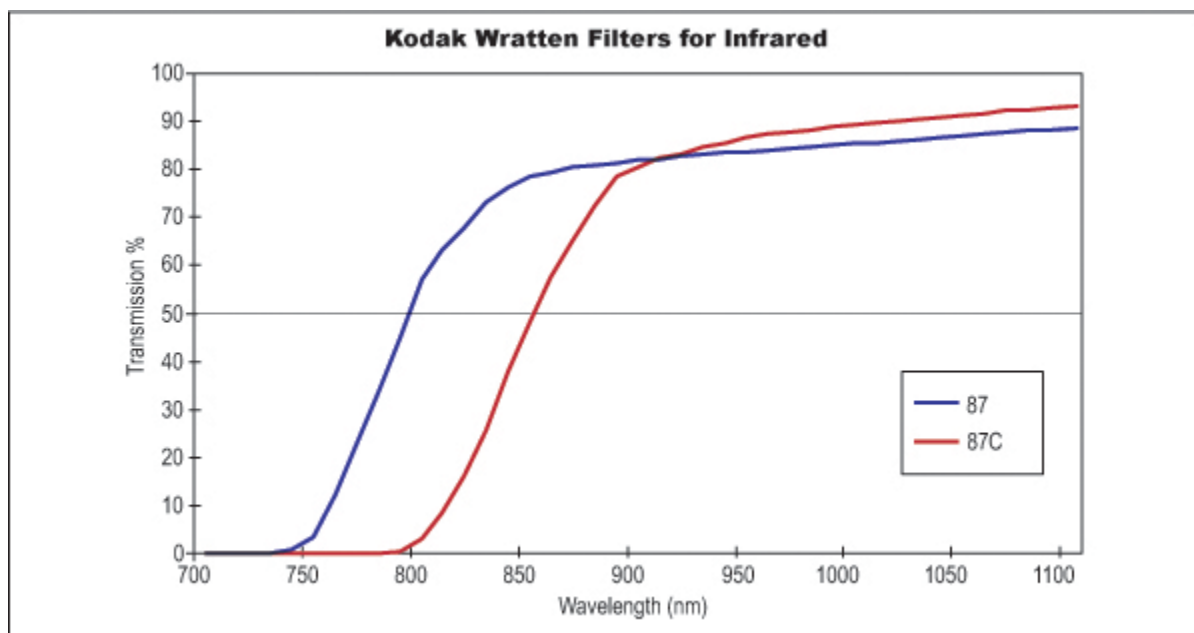


KODAK WRATTEN COLOR GELATIN FILTERS



KODAK WRATTEN COLOR GELATIN FILTERS





band	closest corresponding Wratten filter plus Canon
u	none (optics in lens won't work anyway)
g	native B+G, with IR blocker installed
r	Wratten 12, G+R. Or just Canon native R?
i	?
z	Wratten 87 with full-response B+G+R, NIR block removed
y	?