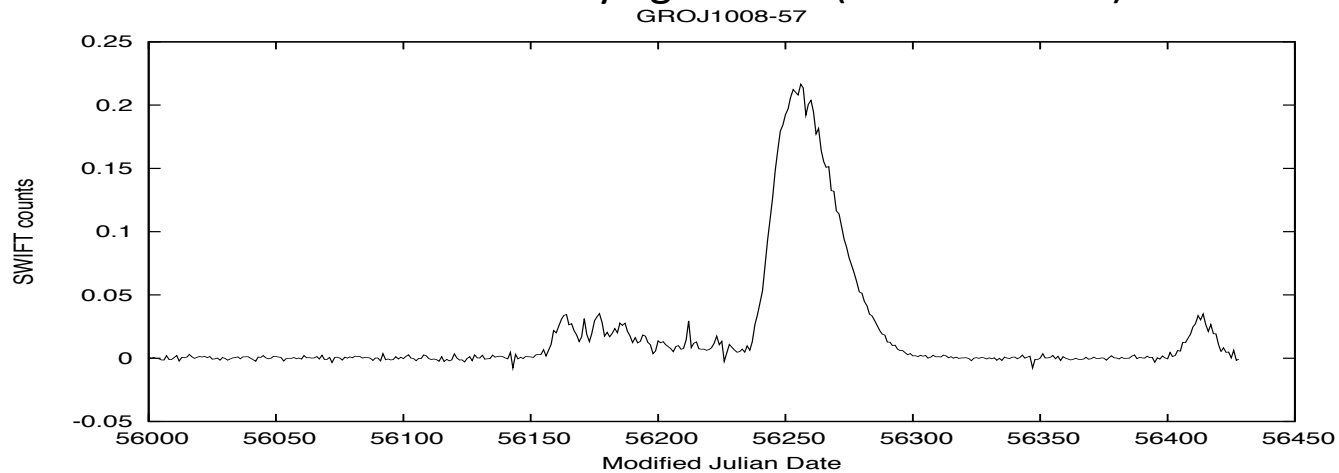


# Spectroscopic monitoring of Be/ X-ray binaries

- We are involved in a long-term monitoring programme of Be/X-ray binaries. This includes Northern objects (observed with The Liverpool Telescope) and Southern objects observed with SALT.
- Analysis of spectra, particularly the H-alpha emission line properties (e.g. equivalent width, peak separation), is important for understanding the behaviour of the circumstellar disc around Be stars.
- Together with X-ray data, analysis of SALT spectra will be used to study mass accretion onto the neutron star (leading to outbursts) as part of my MSc thesis.

- One object in particular (GROJ1008-57) recently underwent X-ray outburst and we are currently analysing the spectra obtained in our SALT program.

# SWIFT X-ray lightcurve (GROJ1008-57)



# SALT spectrum, MJD=56259(GROJ1008-57)

