

## GRS 1915+105

The black hole X-ray binary GRS 1915+105 has shown renewed activity since early July, 2021 after about 100 days of weak activity. AstroSat Target of Opportunity observations were scheduled between Jul 22 – 24. Some interesting results from those observations are presented below.

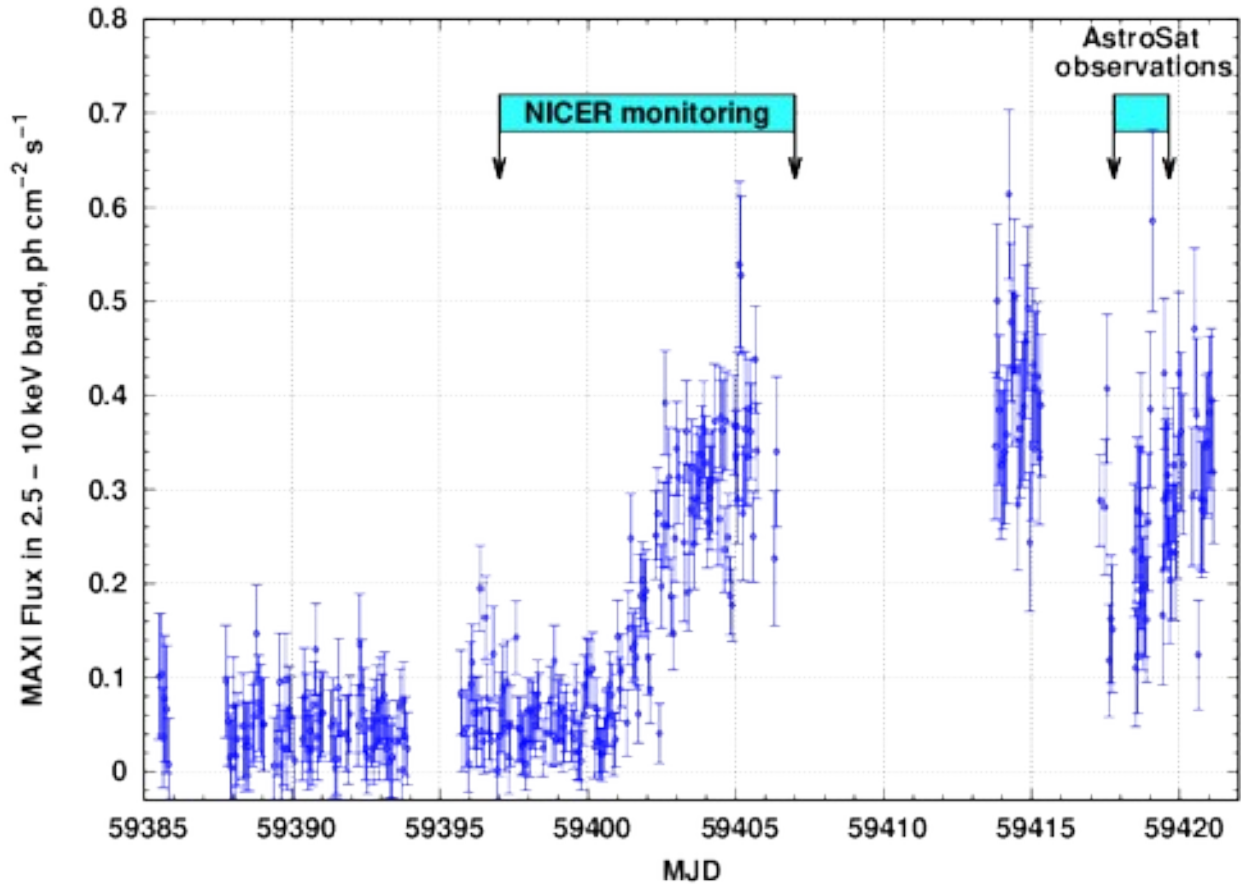


Figure 1: The MAXI on-demand light curve (provided by RIKEN, JAXA and the MAXI team) of GRS 1915+105 in 2.5 – 10 keV energy band; AstroSat and NICER observations are also marked.

Evolution of power density spectra

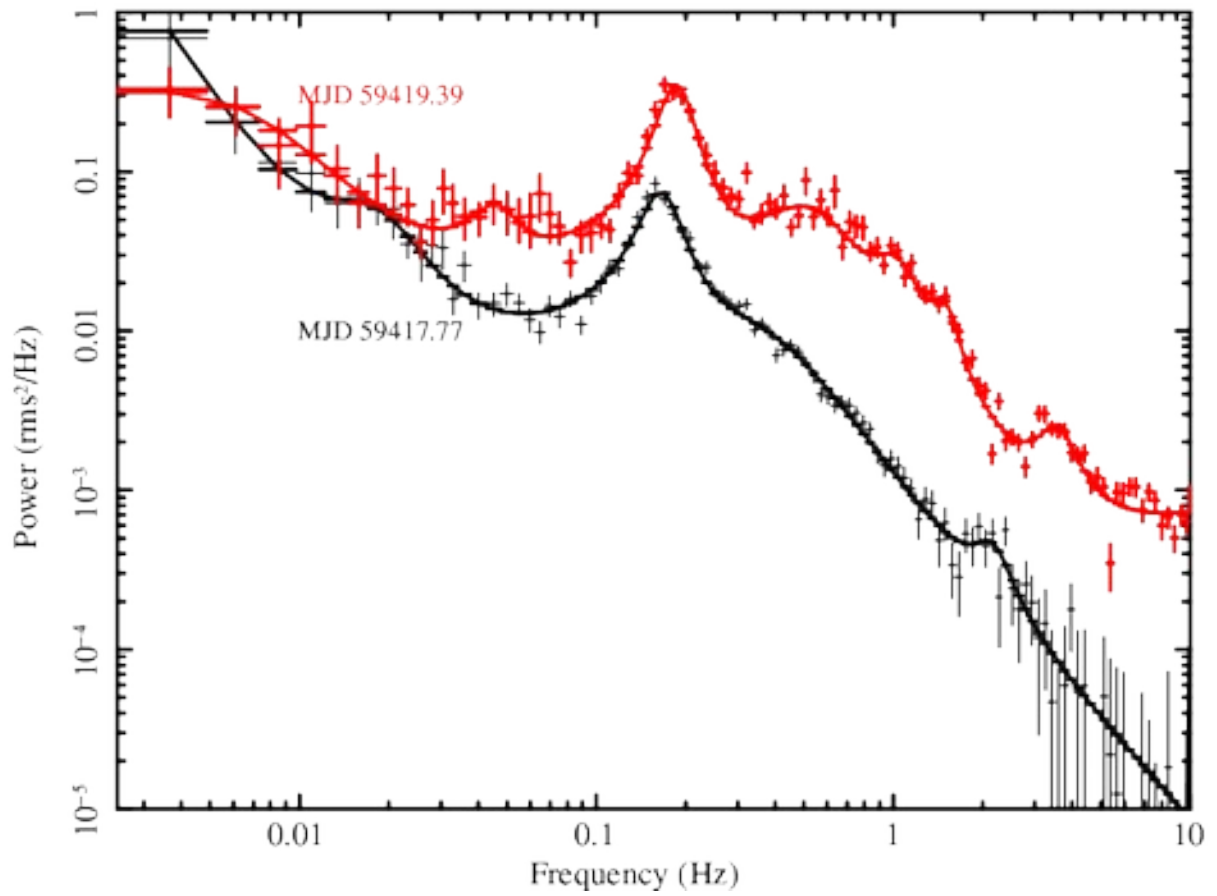


Figure 2: Evolution of power density spectra in 0.002 – 10 Hz during AstroSat/LAXPC observations in 3 – 80 keV energy band.

### Evolution of energy spectra

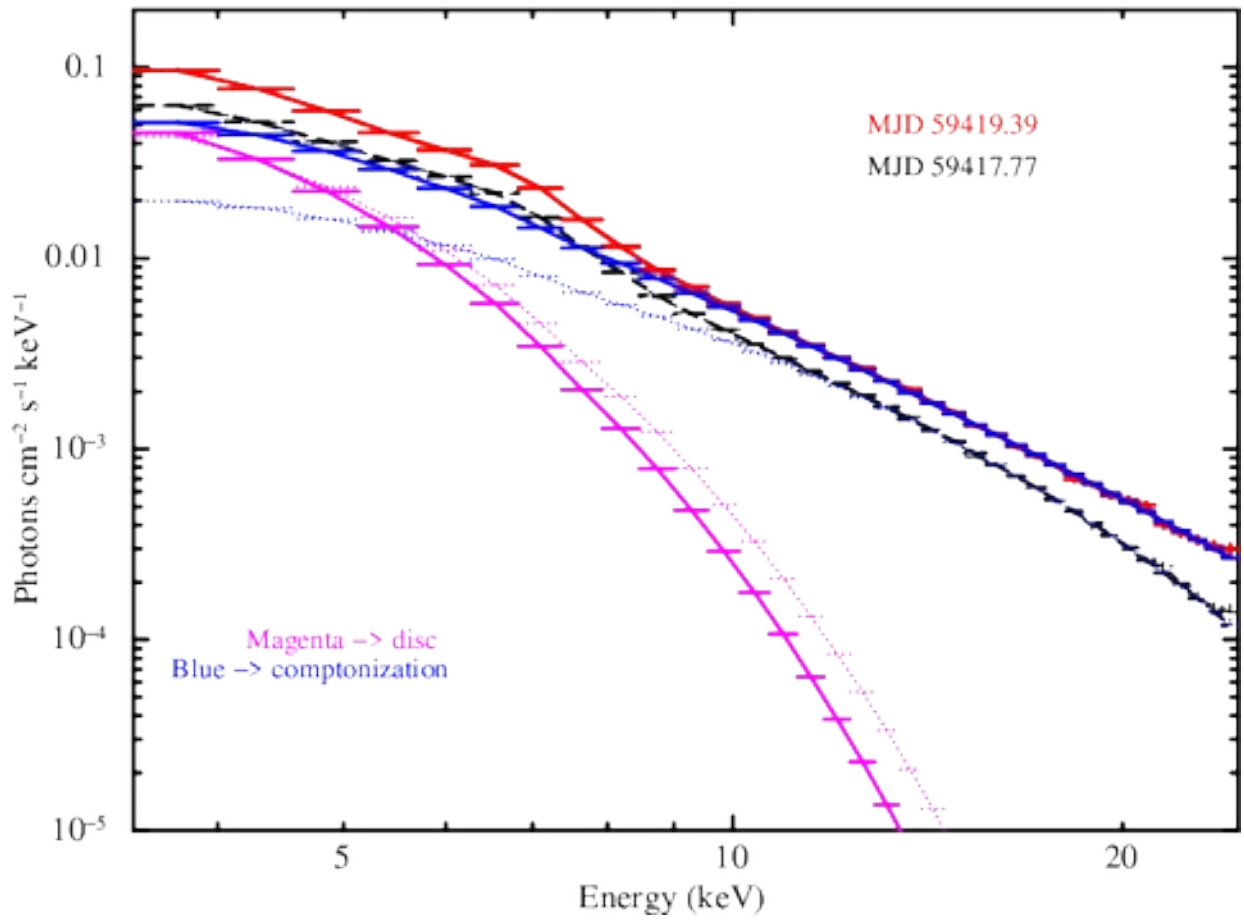


Figure 3: Evolution of AstroSat/LAXPC energy spectra in 3 – 25 keV energy band during the two days AstroSat observation period.