

GX340+0

Observation plan

- 150 ks
- Resolve: Open filter; -0.4', -0.4' offset in detector coordinates*
- Expected count rate: 137 ct/s
- The pointing offset will be finalized in consultation with the Bright Sources Working Group. The current offset reflects the latest work.
- Xtend mode: Planning for $\frac{1}{8}$ window (CCD1 & CCD2) in 0.1s burst mode while CCD3 & CCD4 are in normal mode. However, the setup will be finalized in consultation with the Xtend team.
- Observation can be split as needed

Immediate objectives

- [1] Identify foreground interstellar dust compounds from a simultaneous fit for the K-shell edges of Si (1.8 keV) and Fe (7.1 keV)
- [2] Distinguish among solid compounds and gas phase in the K-shell edges of S (2.5 keV) and C (4.1 keV), for the first time
- [3] Use observations of the Fe XXV triplet at 6.7 keV to distinguish between models of relativistic emission versus absorption from a high speed outflow