

SN 1006

Observation plan

- Priority A: NW (60 ks), Center (20 ks)
- Priority C: SE (80 ks)

Immediate objectives

- [1] Measure ion/electron temperatures at the immediate postshock region of the NW rim to constrain the efficiency of the collisionless electron heating.
- [2] If the SE shock (where the shock velocity is different from that in the NW shock) is observed, we will compare the ion/electron temperatures to investigate the velocity dependence of the collisionless electron heating.
- [3] We will measure Doppler shift of lines in the Center observation data to measure the expansion speed of the remnant. The line strength difference (emission measure difference) between red-shifted and blue-shifted components will show us the asymmetry in the direction of line-of-sight. We will also make a single shot image of the entire remnant with Xtend.