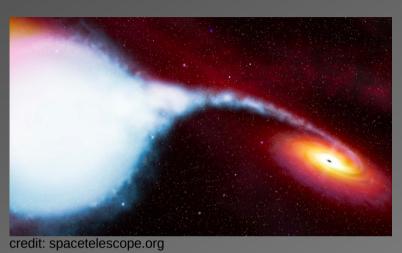
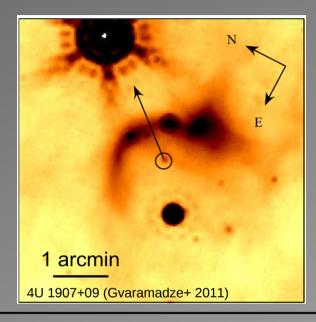
Where are all the bow shocks around high-mass X-ray binaries?

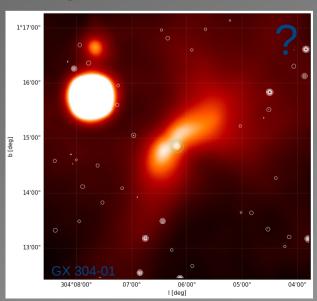


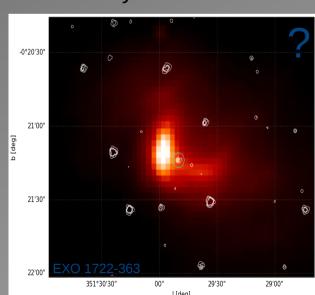
2 arcmin
Vela X-1 (Gvaramazde+ 2011, Kaper+ 1997)

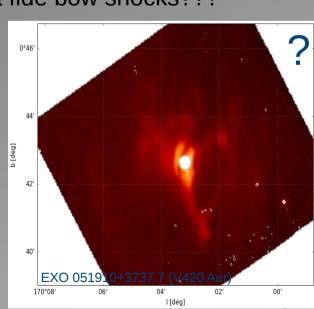


Known bow shock driving systems:

Survey of 100+ confirmed and candidate systems: no new bona fide bow shocks???







and more.