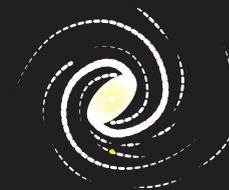
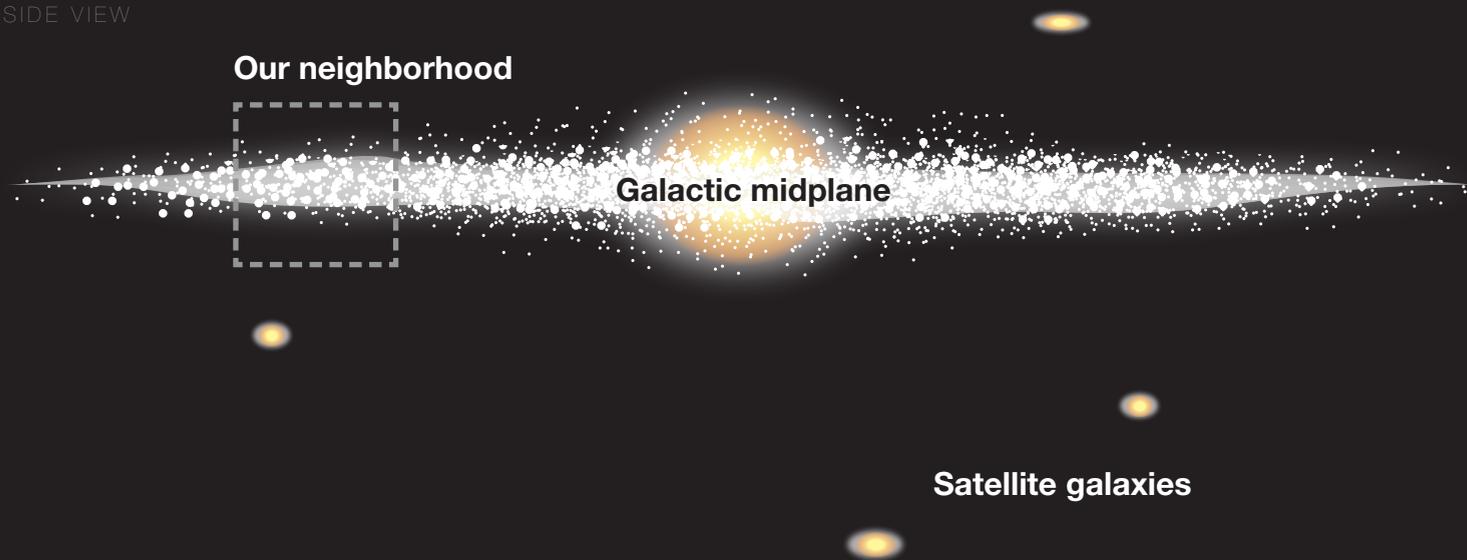


The Milky Way



TOP VIEW

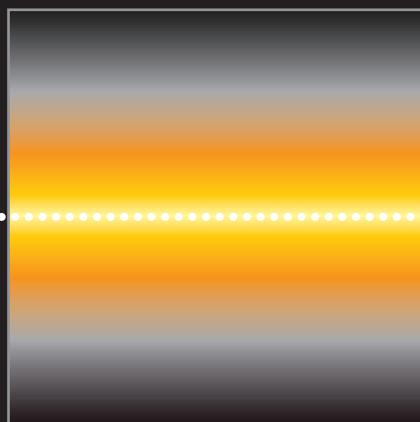
SIDE VIEW



Mass distribution

Expected:

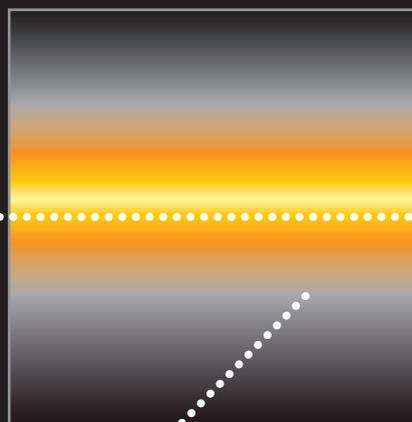
Stable mass distribution



Galactic midplane

Observed:

"Ringing" mass distribution, pointing toward collision with satellite galaxy or other massive object



5000 light-years

Massive object that passed through Milky Way