

I show the mass accretion histories of halos and sub halos in 38 MW host simulations. The red line in each figure is the MAH of the MW host halo. The black lines are the MAHs of sub halos in each host that are more massive than $10^9 M_{\odot}$ at $z=0$. The orange lines in some of the figures are the MAH of the sub halos that host a satellite galaxies more luminous than SMC ($M_r < -16.5$). There are 8 simulated hosts having 2 (or more) satellite galaxies as LMC/SMC analogs as predicted by my SAM. The figures of those hosts are indicated by “MW/LMC+SMC”. In 5 (out of 8) of them, only one of the LMC/SMC satellites has its host sub halo still existing in the halo catalog. The other LMC/SMC is an ‘orphan’ galaxy with no existing sub halo. For each MAH, the dashed portion of the line indicate the period when the sub halo is located within the viral radius of the final host.











































































