

Figure 1: Inter-particle separation vs time. Jagged line shows the refinement radius of the spherical AMR level 3 region. The center of the refinement region is changed from particle 1 to the particle CM at $t = 76.9$ d in Run 164, at $t = 61.3$ d in Run 177, and at $t = 65.0$ d for Run 183.

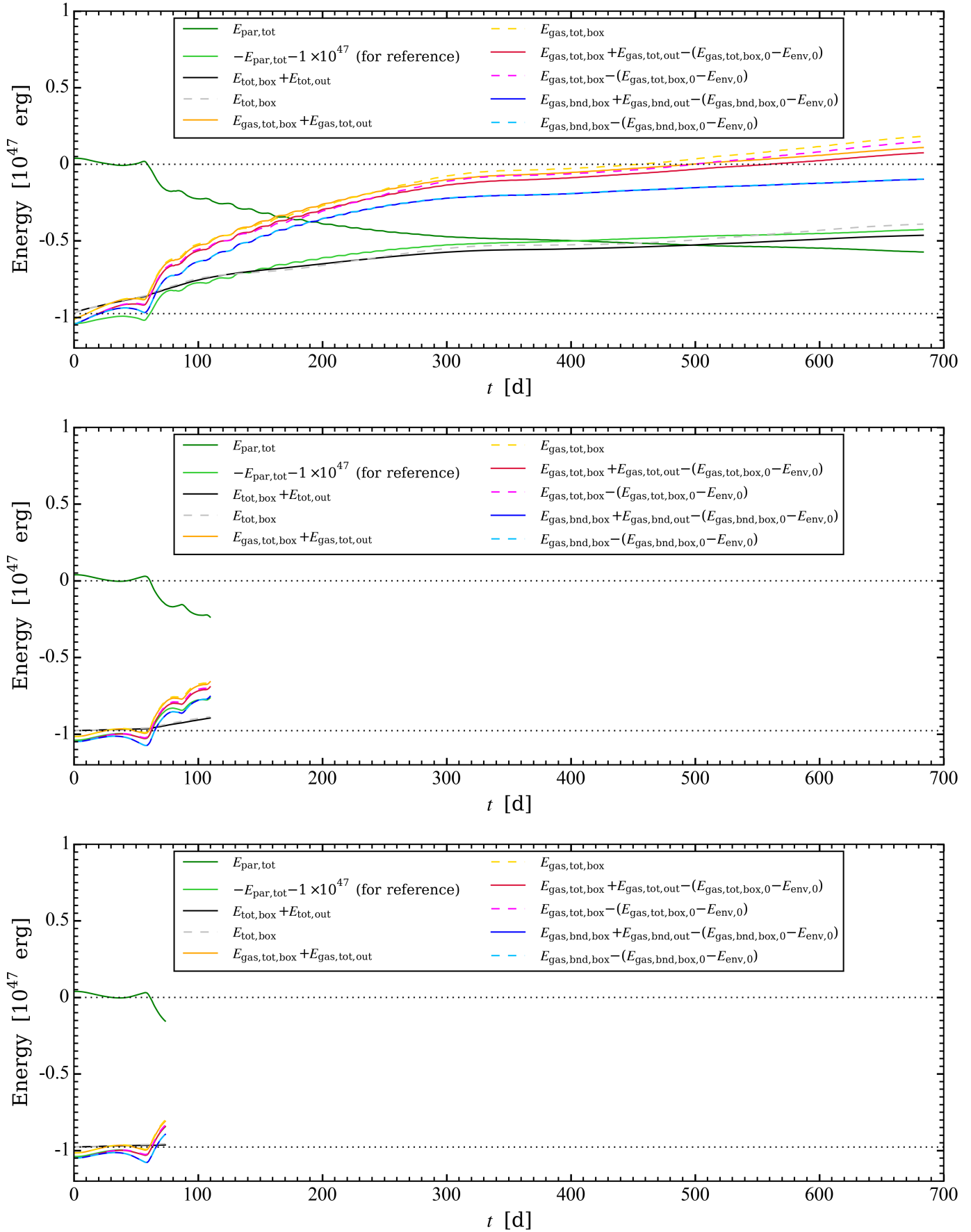


Figure 2: From top to bottom Runs 164, 177 and 177/183.

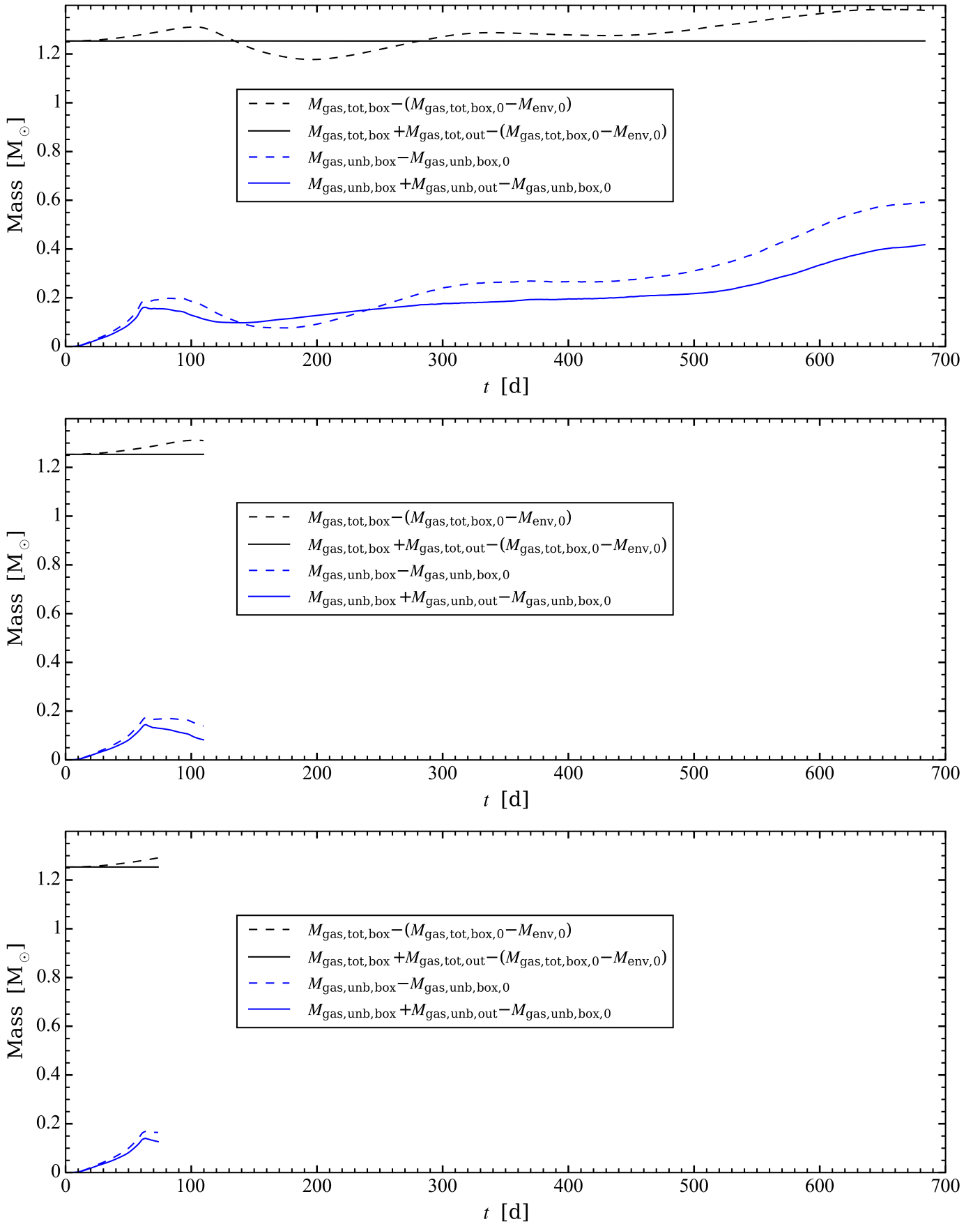


Figure 3: From top to bottom Runs 164, 177 and 177/183. The solid blue curve showing the change in unbound mass is similar between the two runs, almost identical up to the peak in the unbound mass curve, and then showing a greater difference thereafter. About 20-30% less matter is unbound in Run 177 compared to Run 164 at $t = 100$ d. Thus, the run which gains more energy unbinds more material, as expected, but not drastically more.

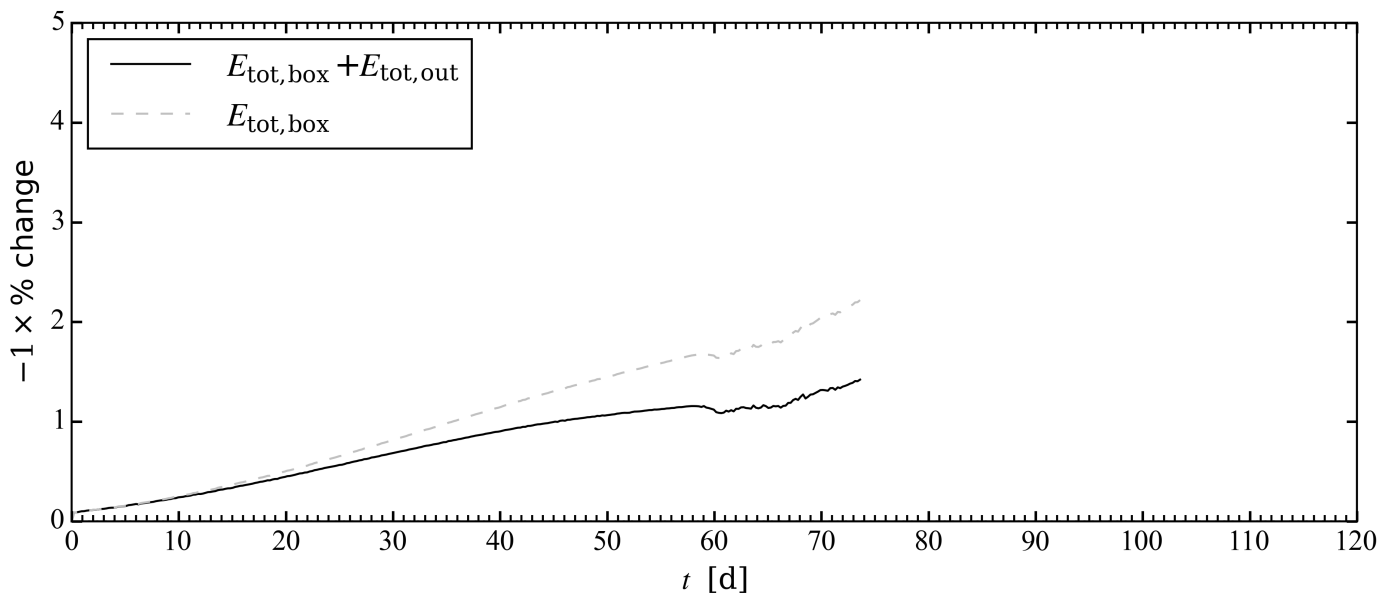
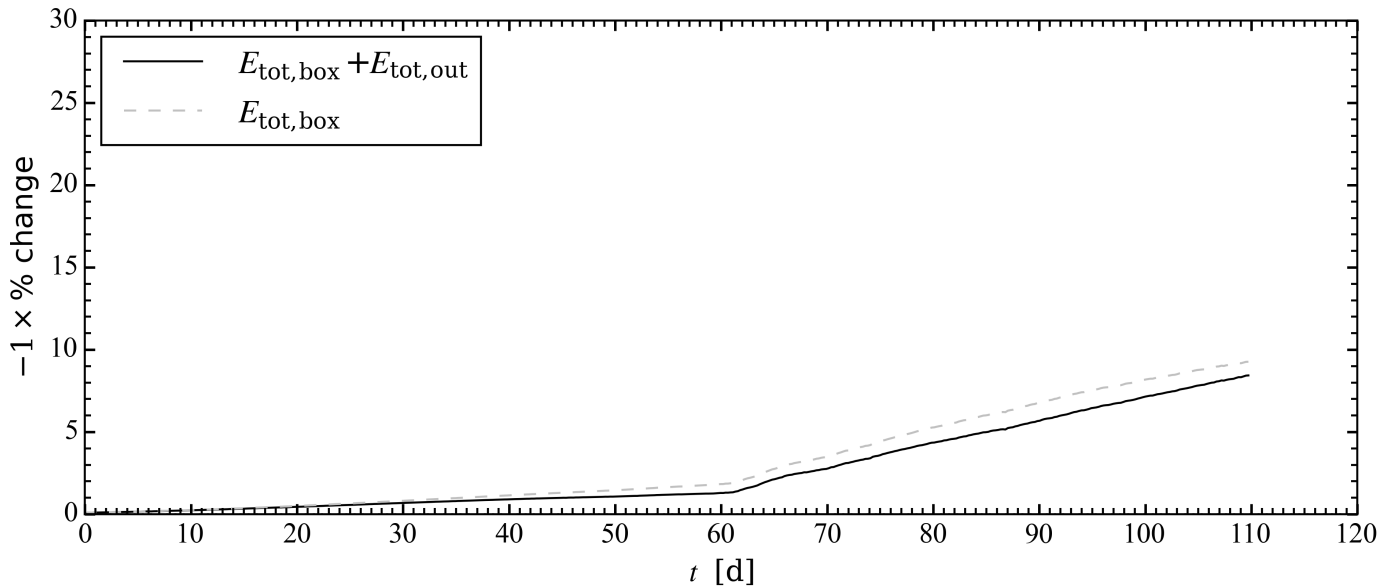
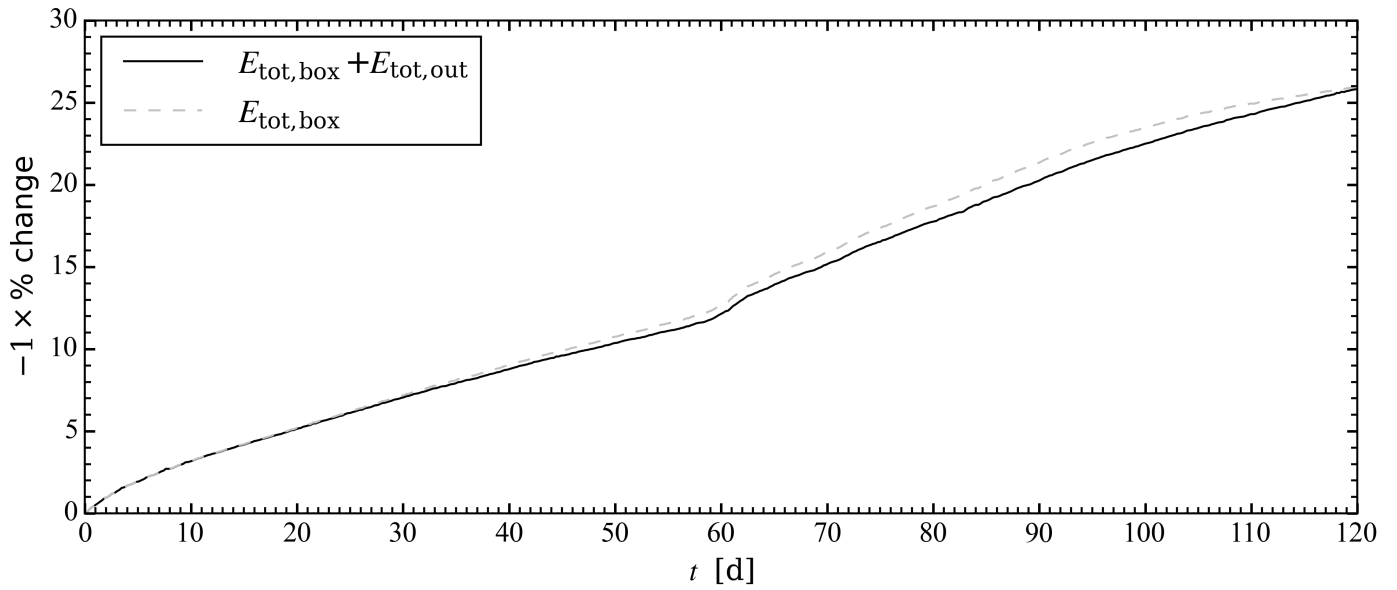


Figure 4: From top to bottom Runs 164, 177 and 177/183.

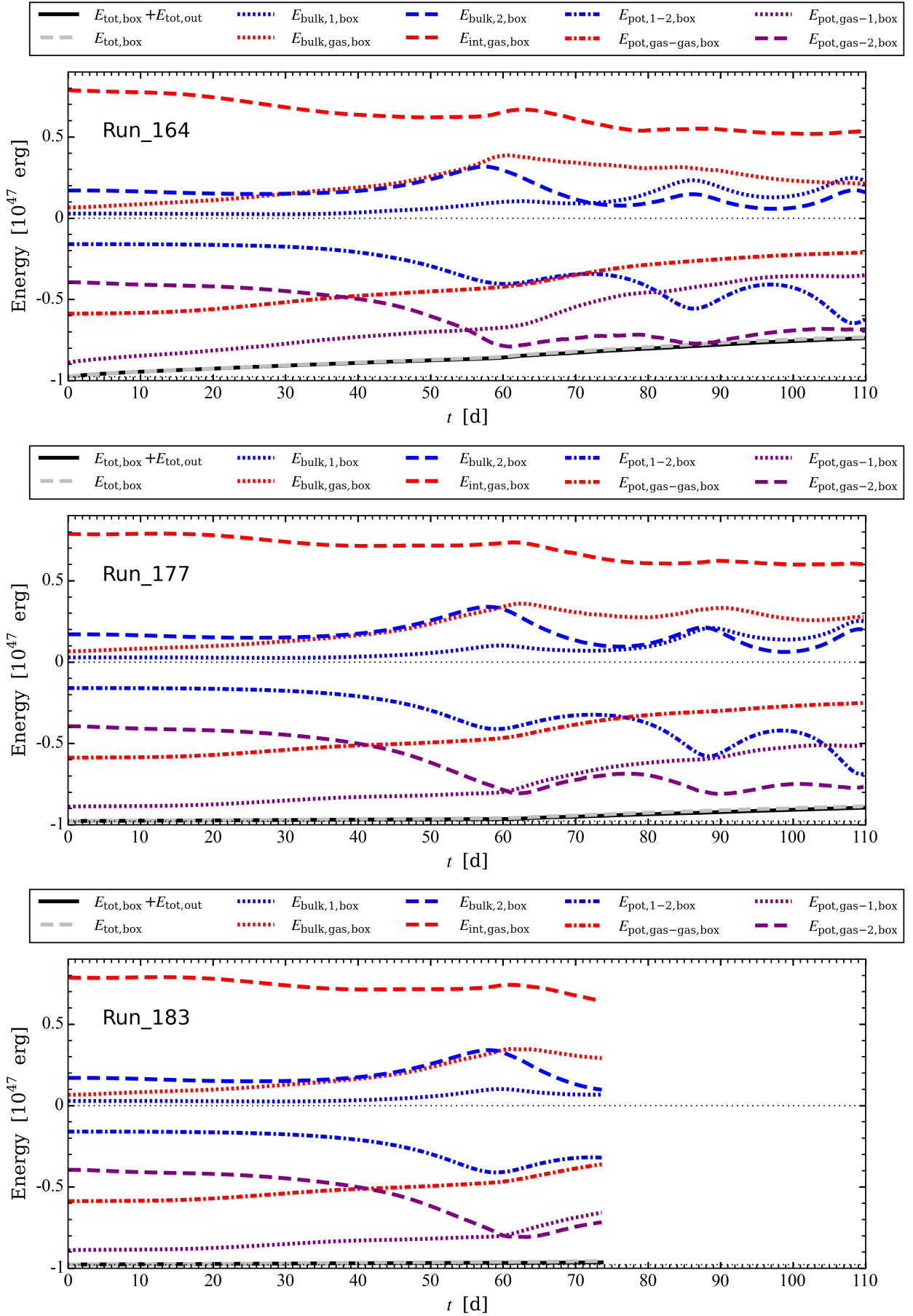


Figure 5: From top to bottom Runs 164, 177 and 177/183. Note that the largest change between 164 and 177 is in the particle 1-gas potential energy. Between 177 and 183 it is the particle 2-gas potential energy.