~100 km radius Large Differentiated Planetesimal (LDP) with lava at its surface. $T_{\text{surf}}(\text{max}) \approx 2000$ K

The flyby object is a m-to km-scale, porous Small Primitive Planetesimal (SPP)

The flyby time is ~1 hour

As $T \uparrow$, volatiles are vaporized, increasing the gas pressure locally

The chondrule and chondrite formation zone

IR heating

$\lesssim 10$ km