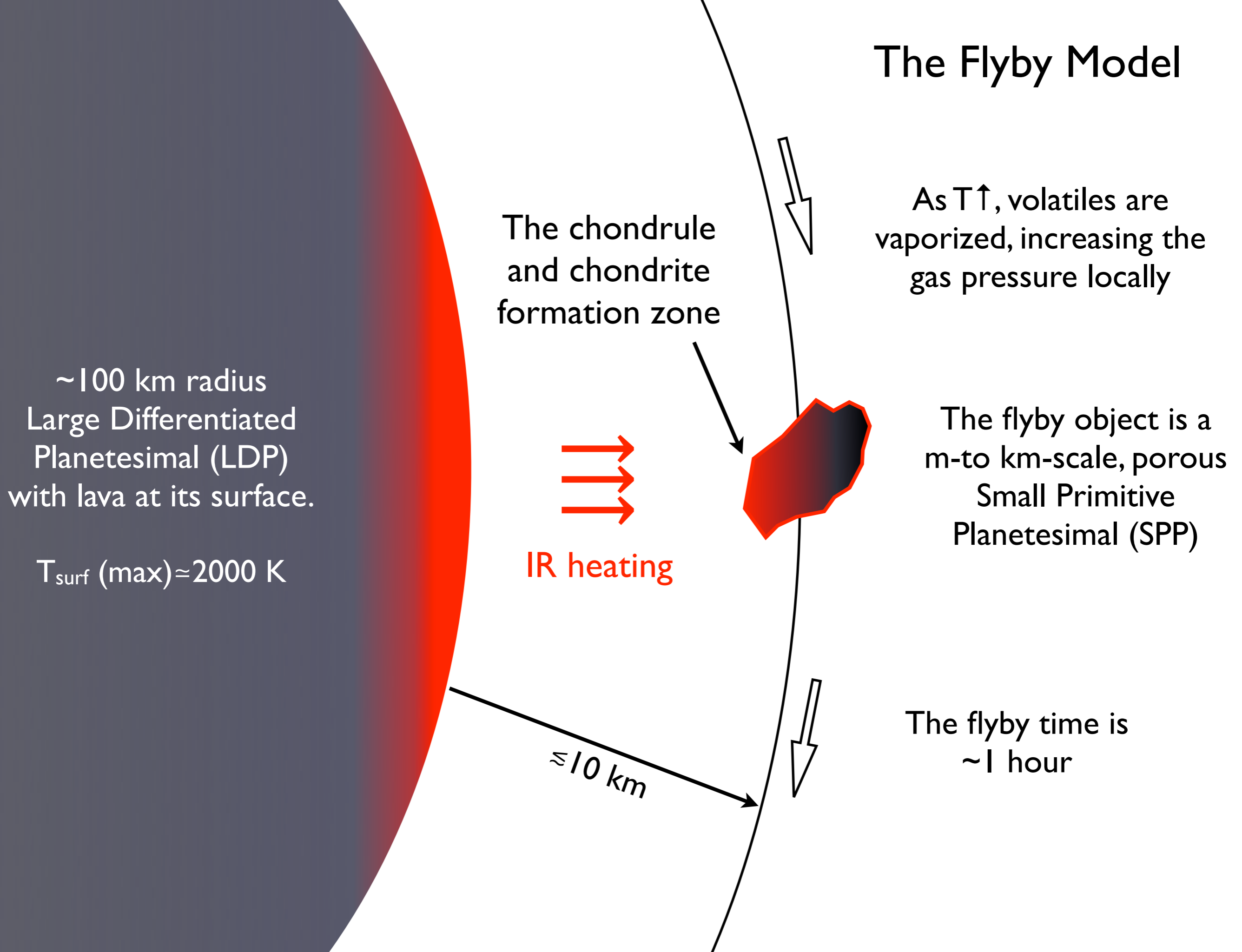


The Flyby Model



~100 km radius
Large Differentiated
Planetesimal (LDP)
with lava at its surface.

$T_{\text{surf}} (\text{max}) \approx 2000 \text{ K}$

The chondrule
and chondrite
formation zone



IR heating

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

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

The flyby time is
~1 hour

$\approx 10 \text{ km}$