

Latest results

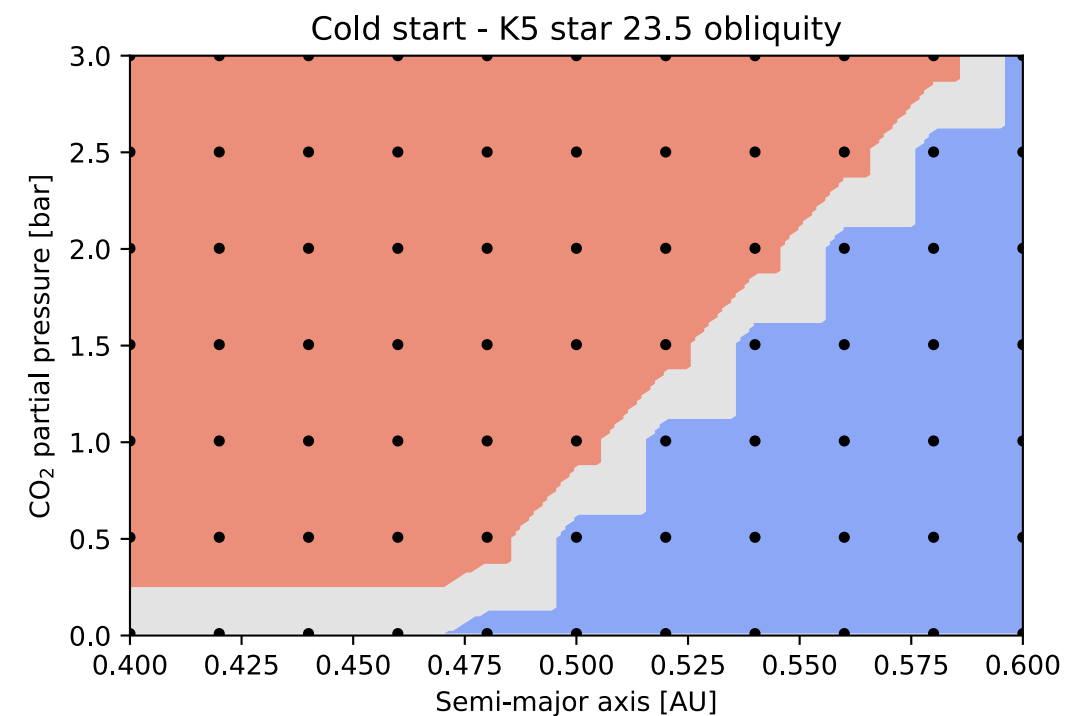
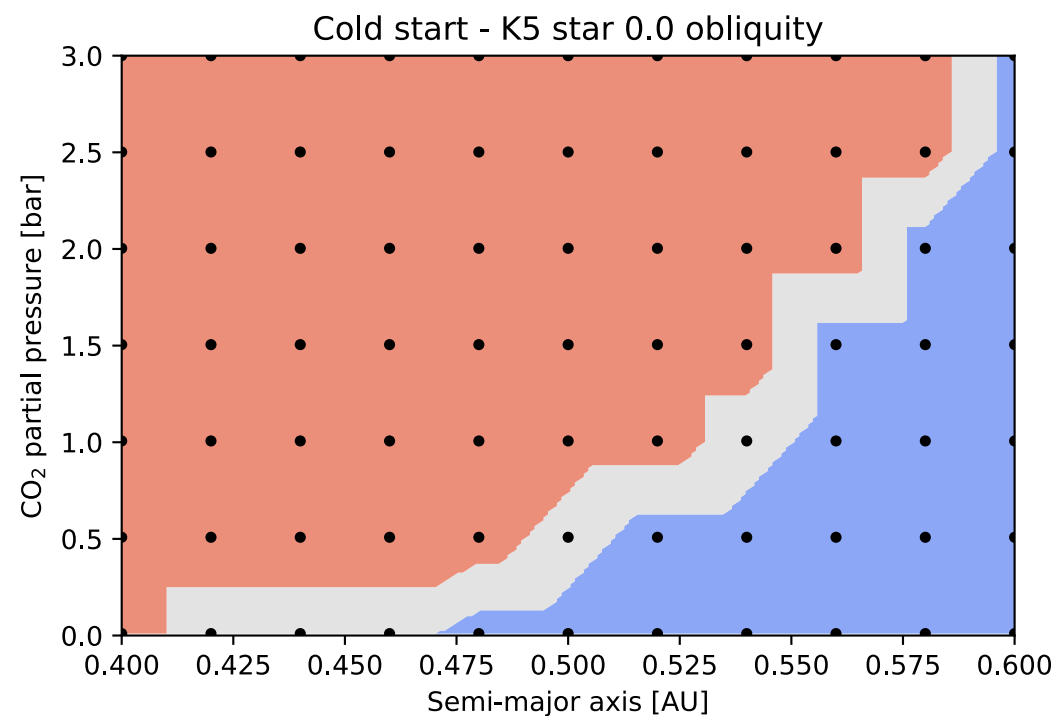
T dependence ON
Only last orbit is considered!

K5

Final state

Cold start

T dependence ON
Only last orbit
K5

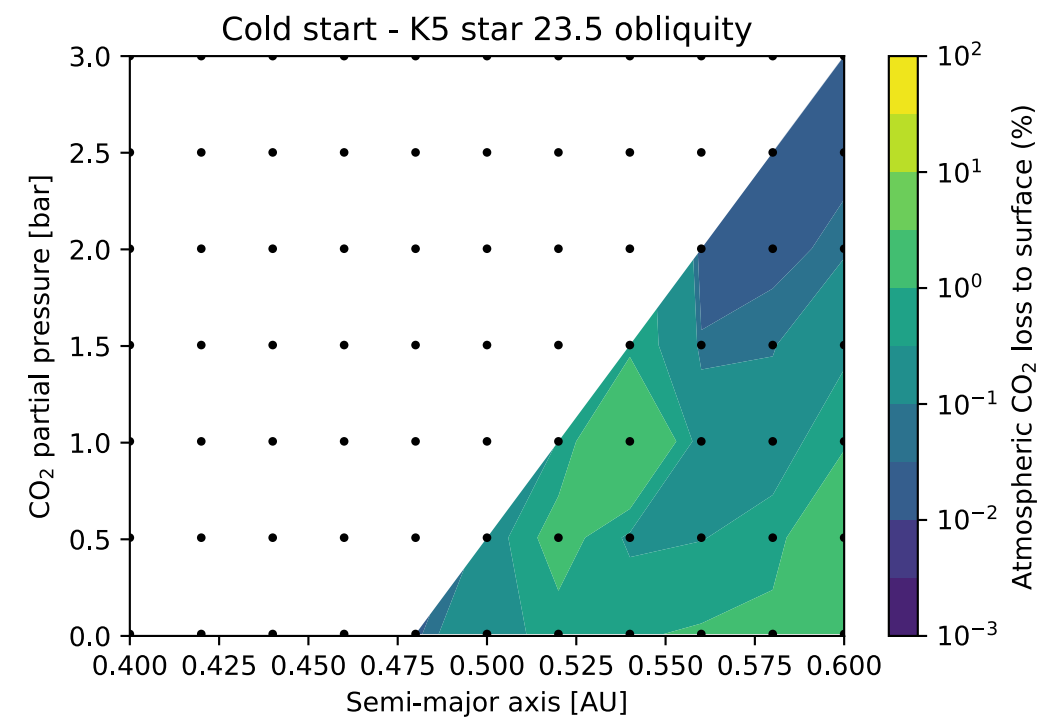
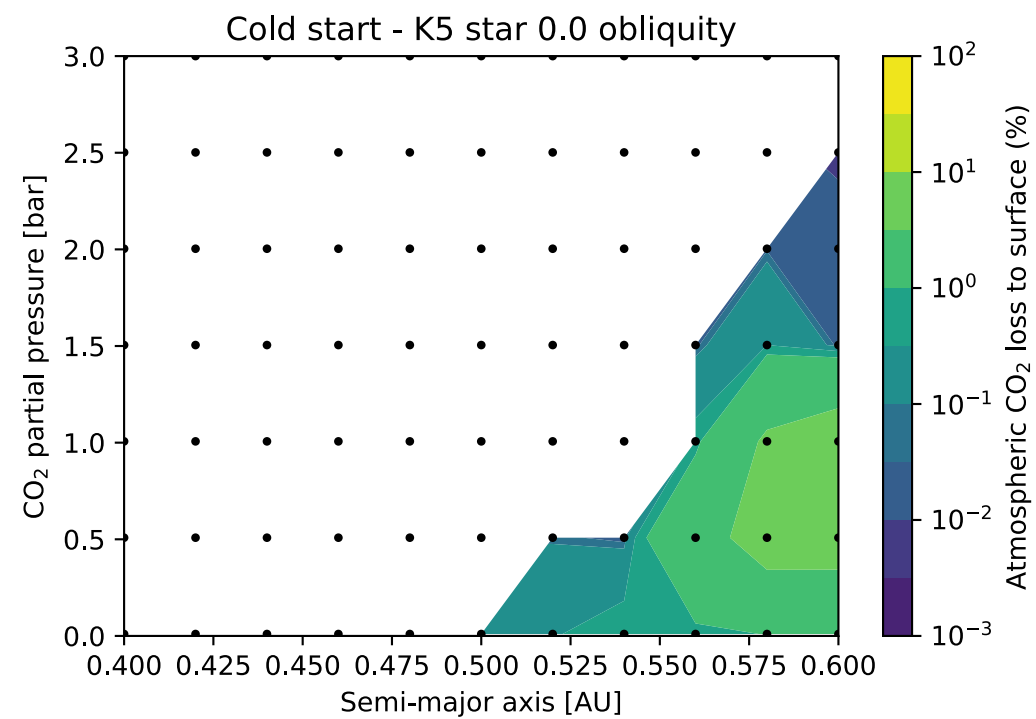


0 obliquity case leads to larger “warm region”

CO₂ surface ice

Cold start

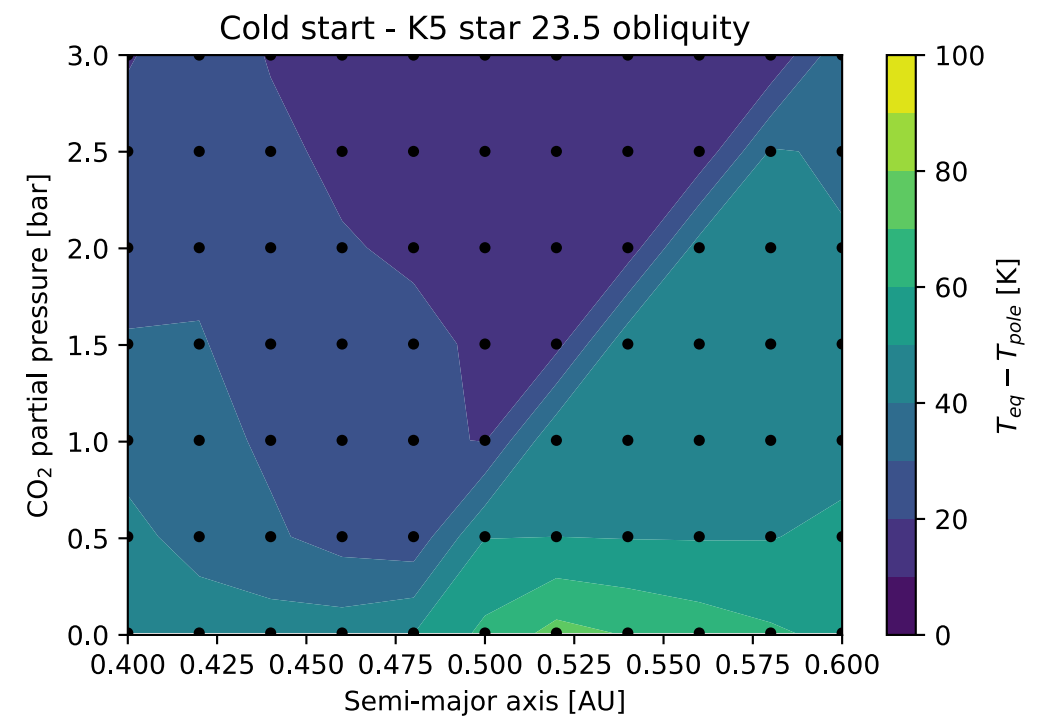
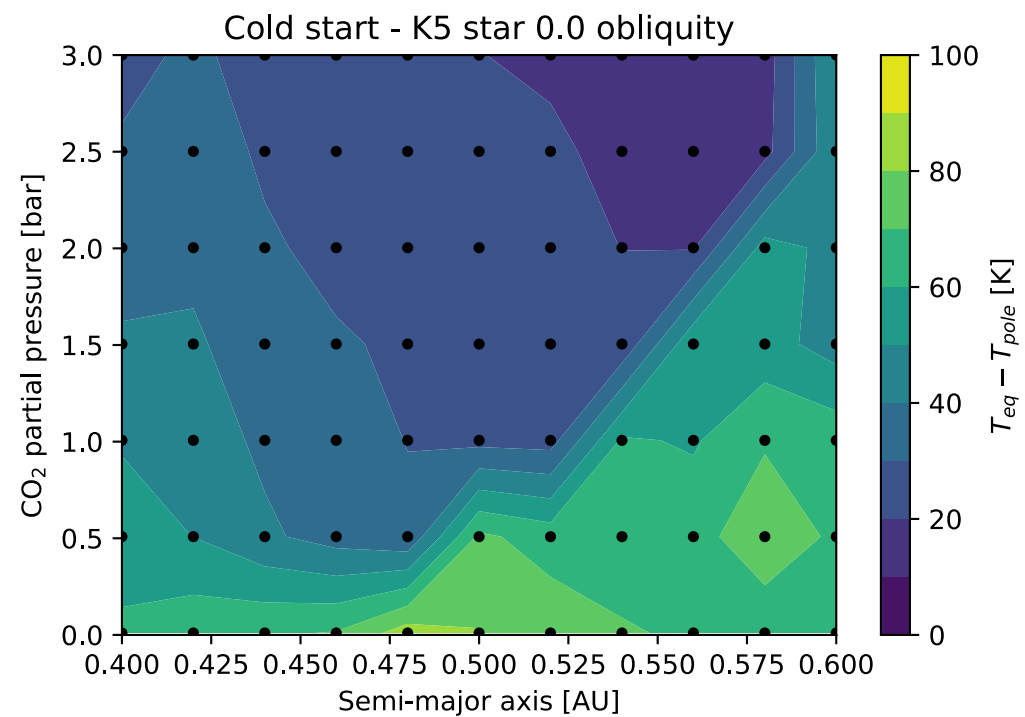
T dependence ON
Only last orbit
K5



Temperature difference

Cold start

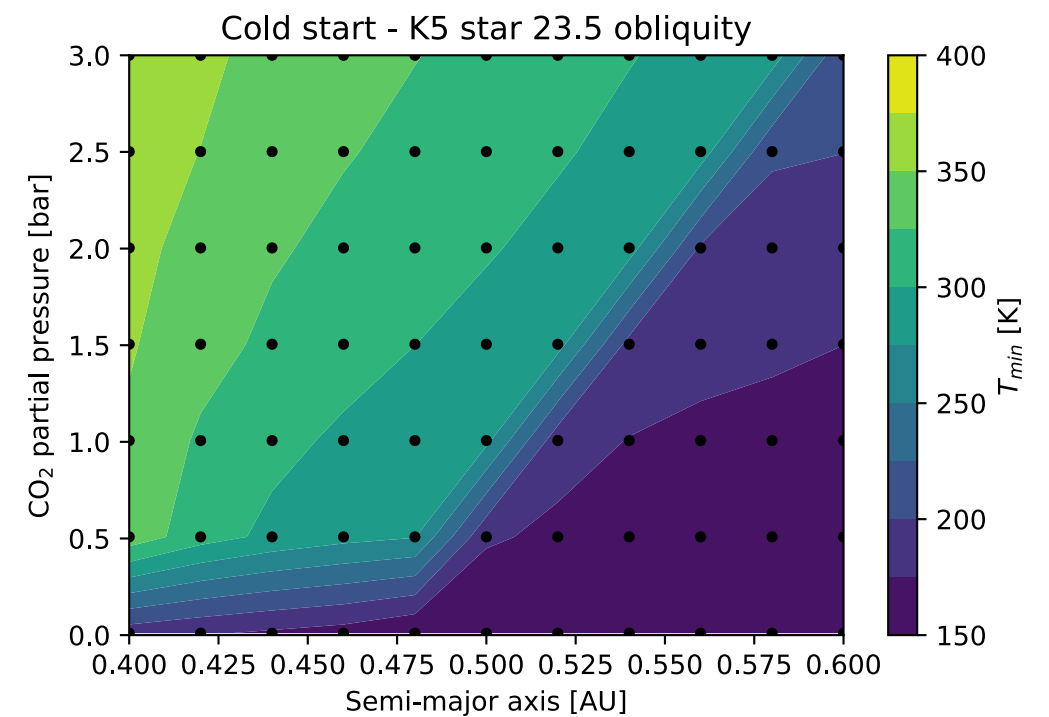
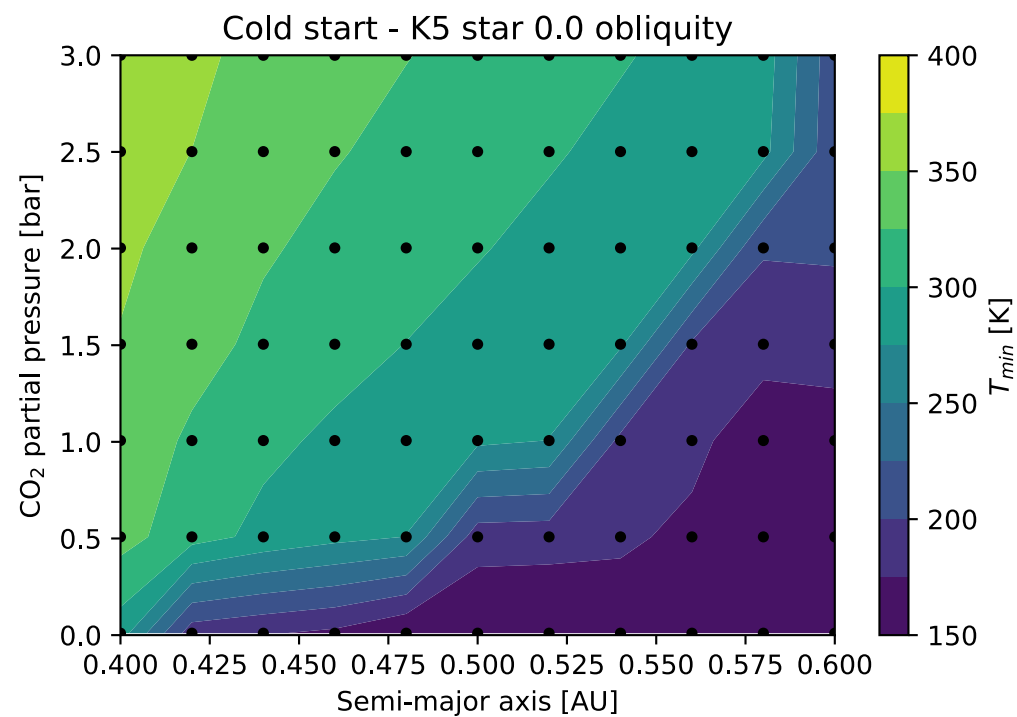
T dependence ON
Only last orbit
K5



Minimum temperature

Cold start

T dependence ON
Only last orbit
K5

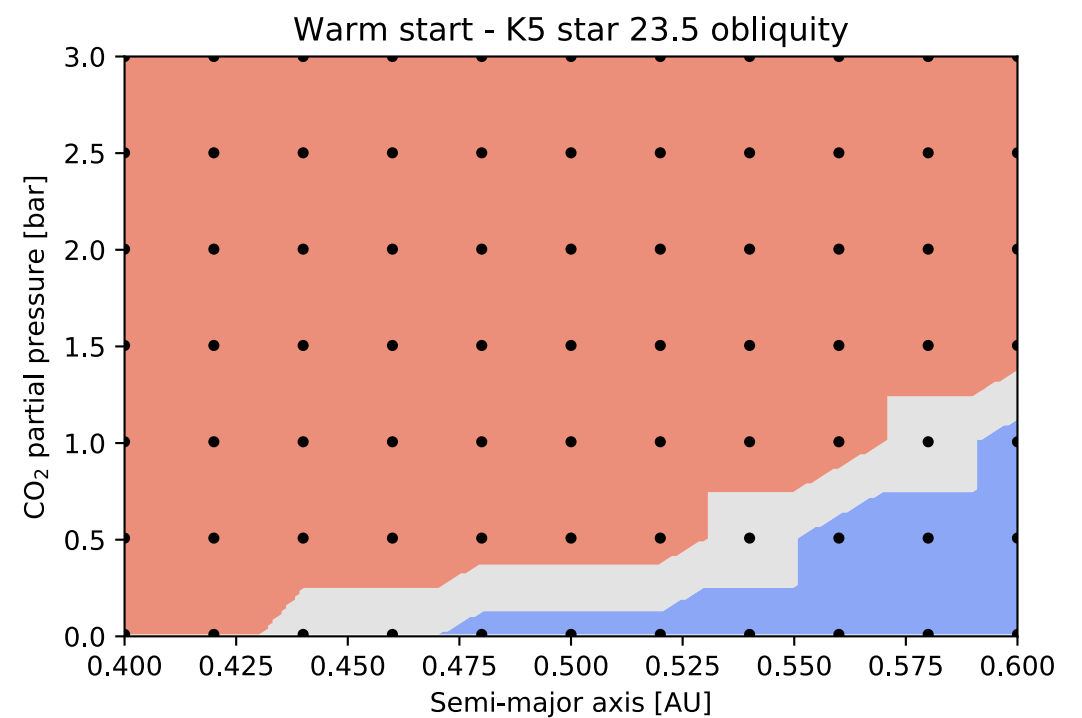
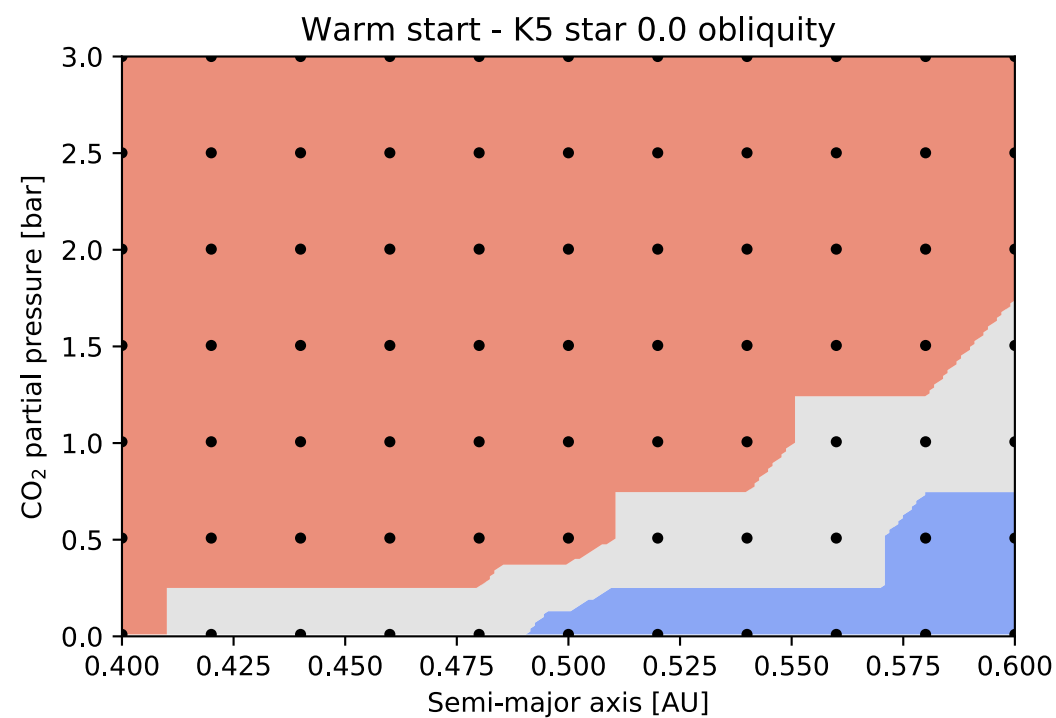


Somehow it seems that at 23.5 obliquity we reach pretty low temperatures for some cases

Final state

Warm start

T dependence ON
Only last orbit
K5

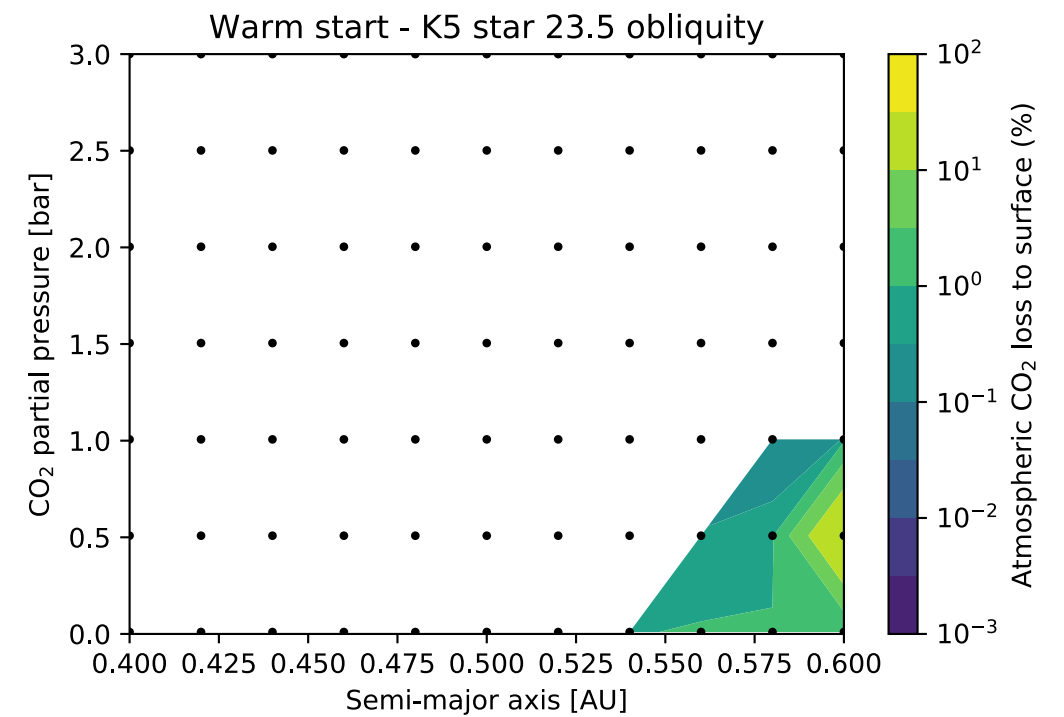
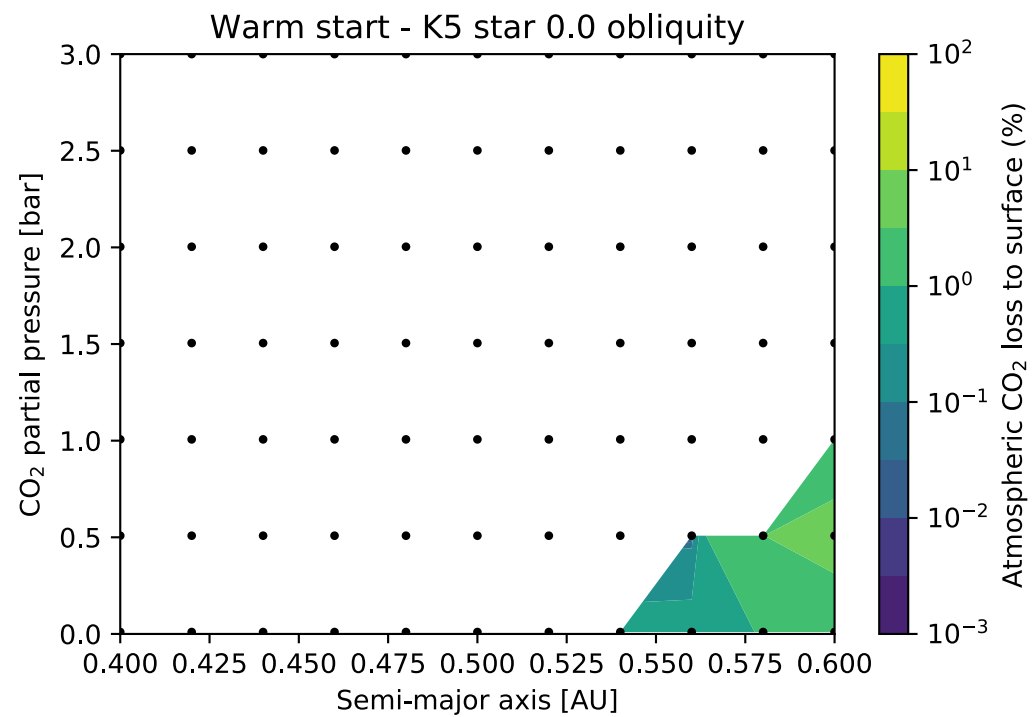


0 obliquity case slightly less prone to have permanent CO₂ ice condensation

CO₂ surface ice

Warm start

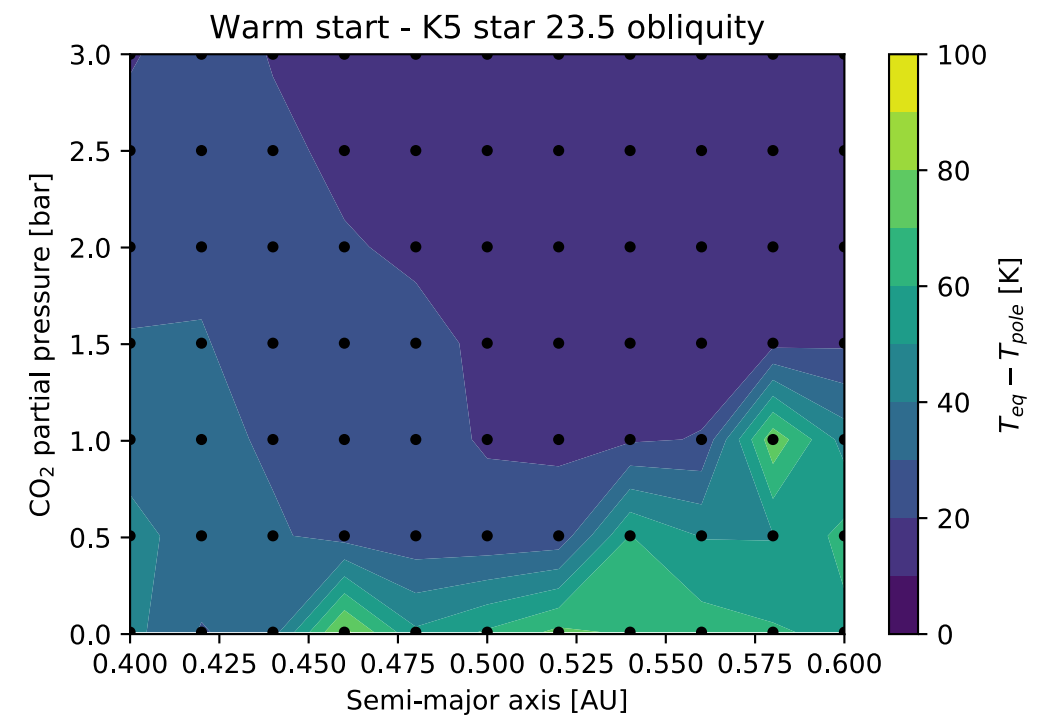
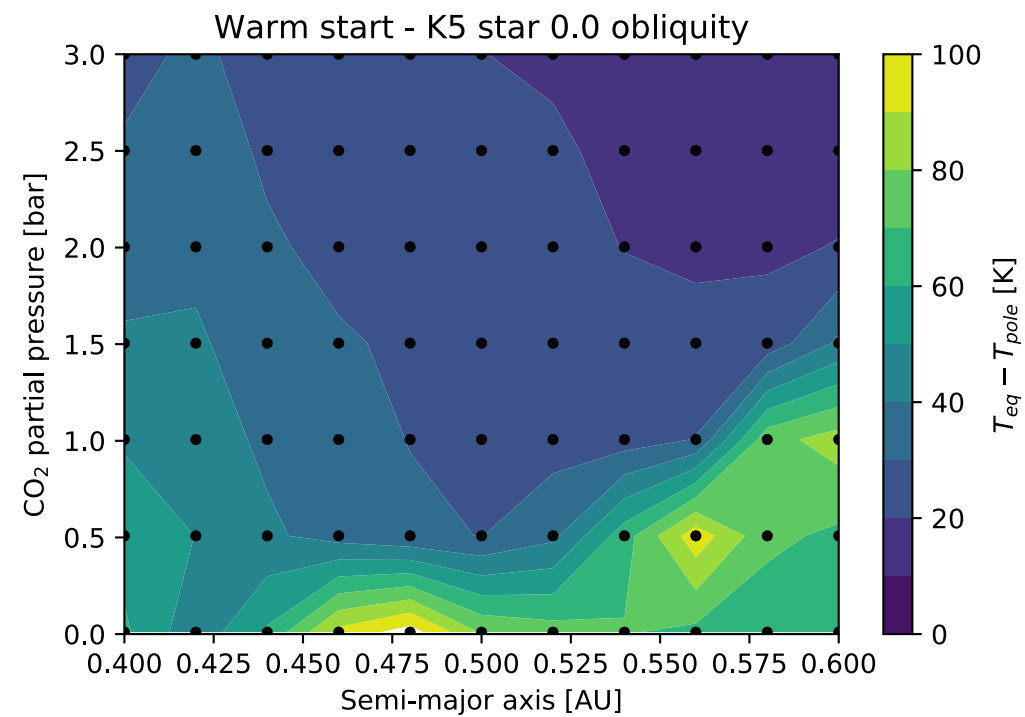
T dependence ON
Only last orbit
K5



Temperature difference

Warm start

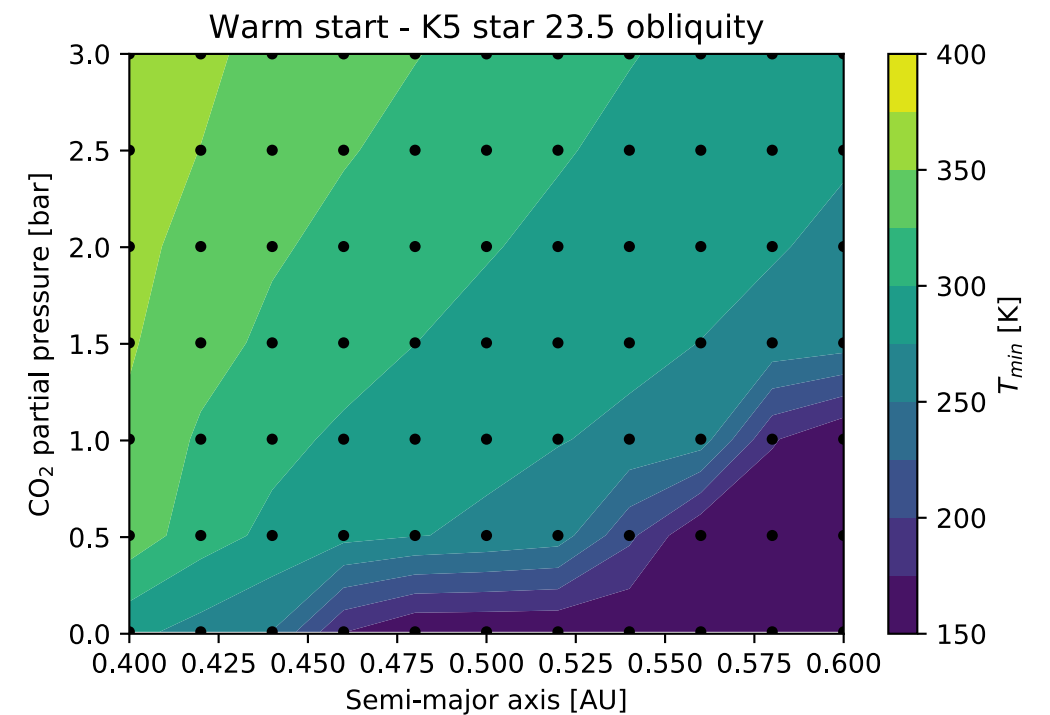
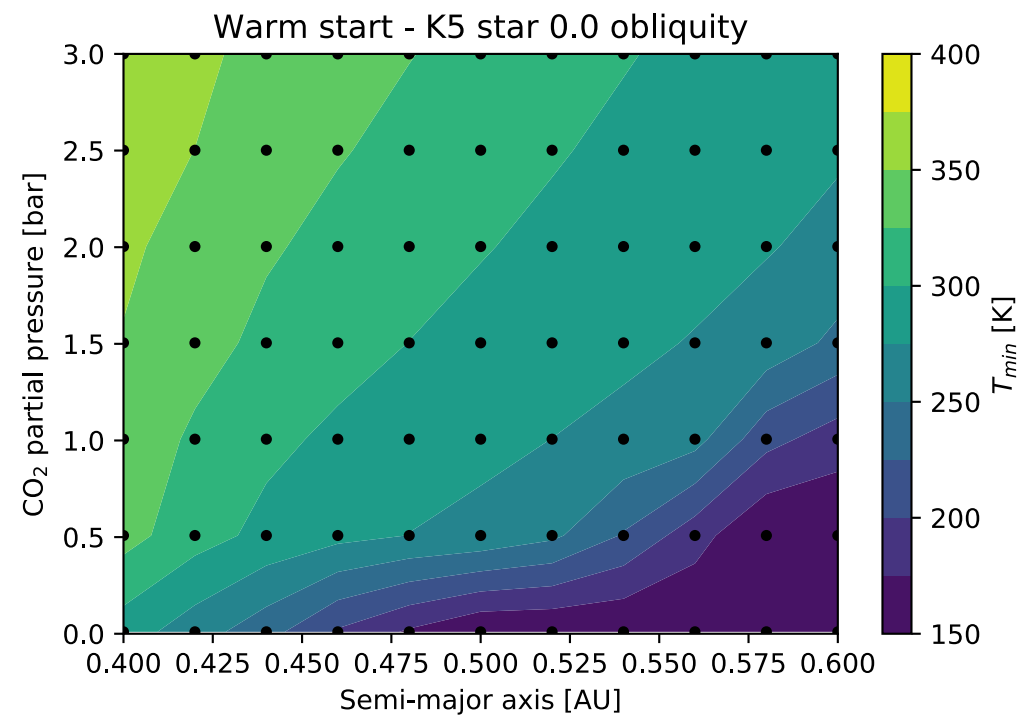
T dependence ON
Only last orbit
K5



Minimum temperature

Warm start

T dependence ON
Only last orbit
K5



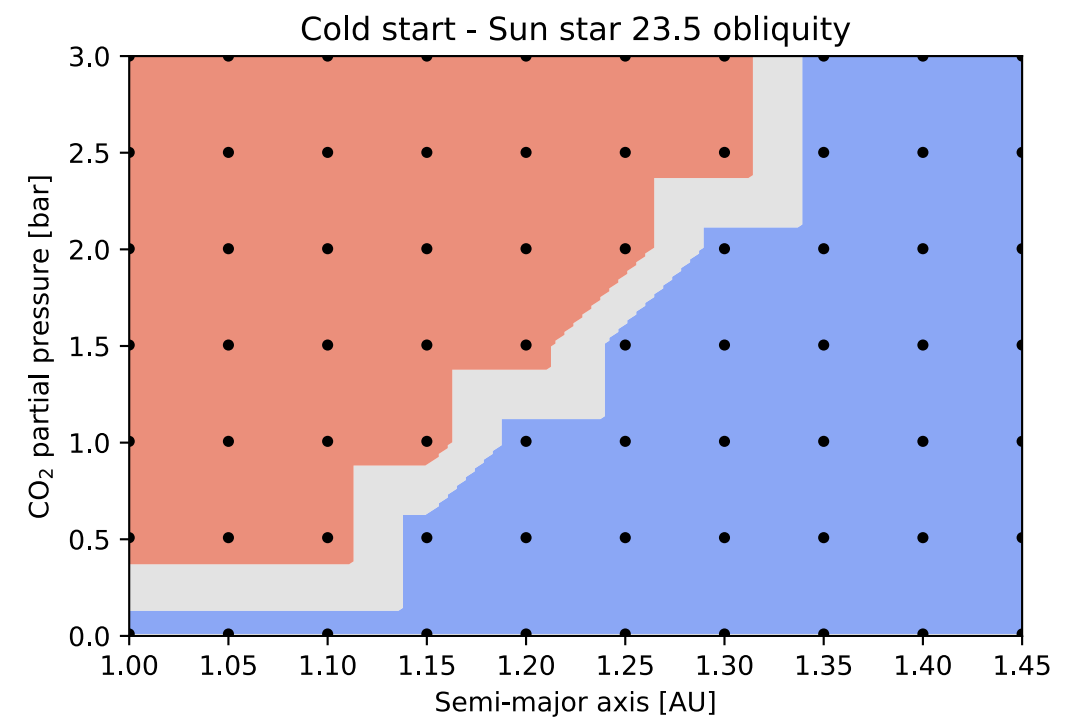
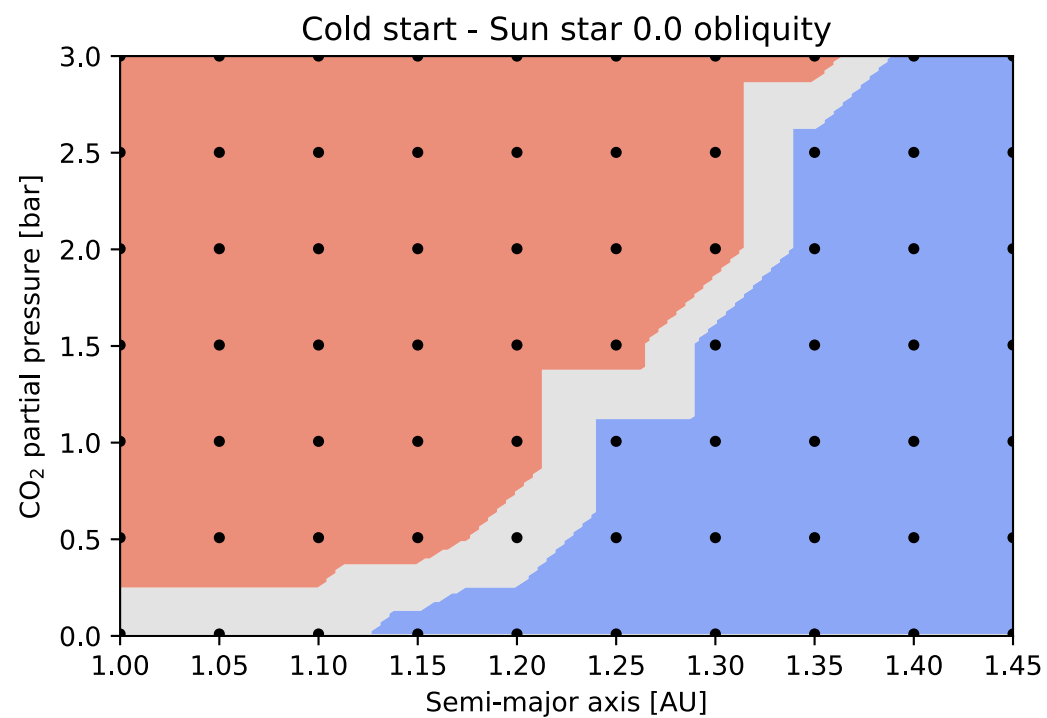
Also here it seems that at 23.5 obliquity pretty low temperatures are reached

Sun

Final state

Cold start

T dependence ON
Only last orbit
Sun

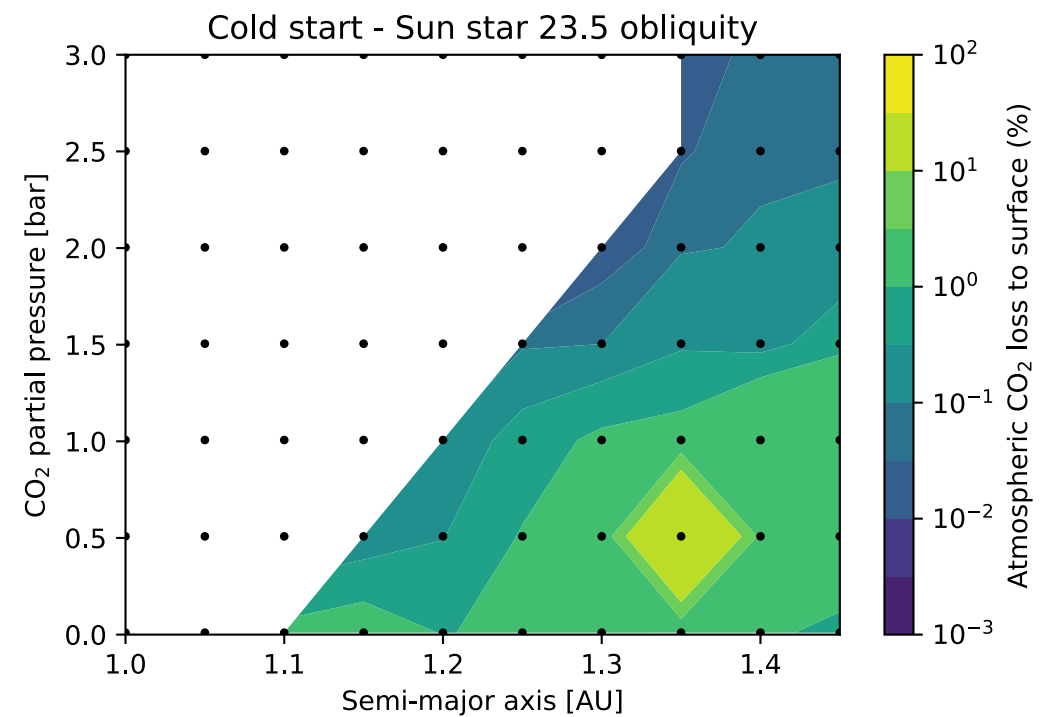
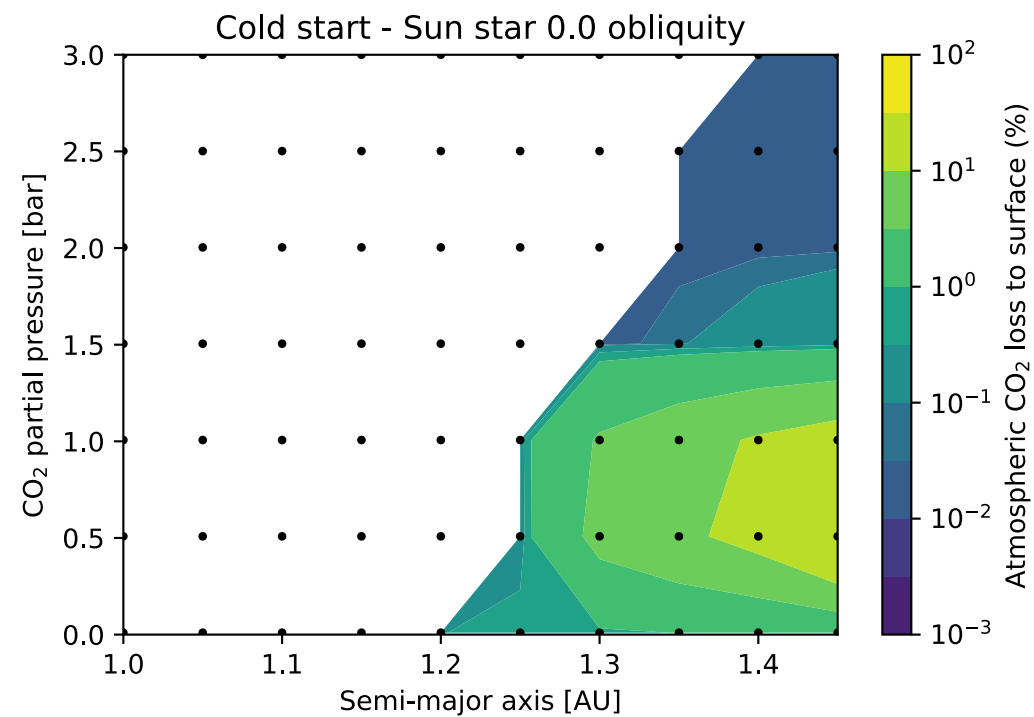


Less permanent CO₂ ice collapse at 0 obliquity

CO₂ surface ice

Cold start

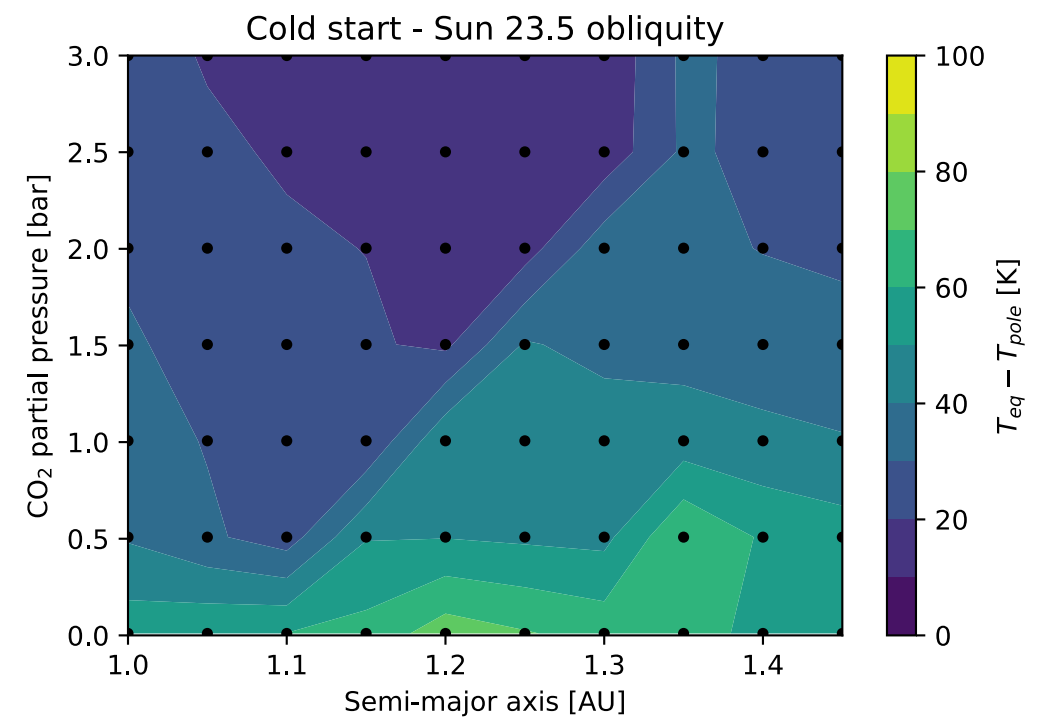
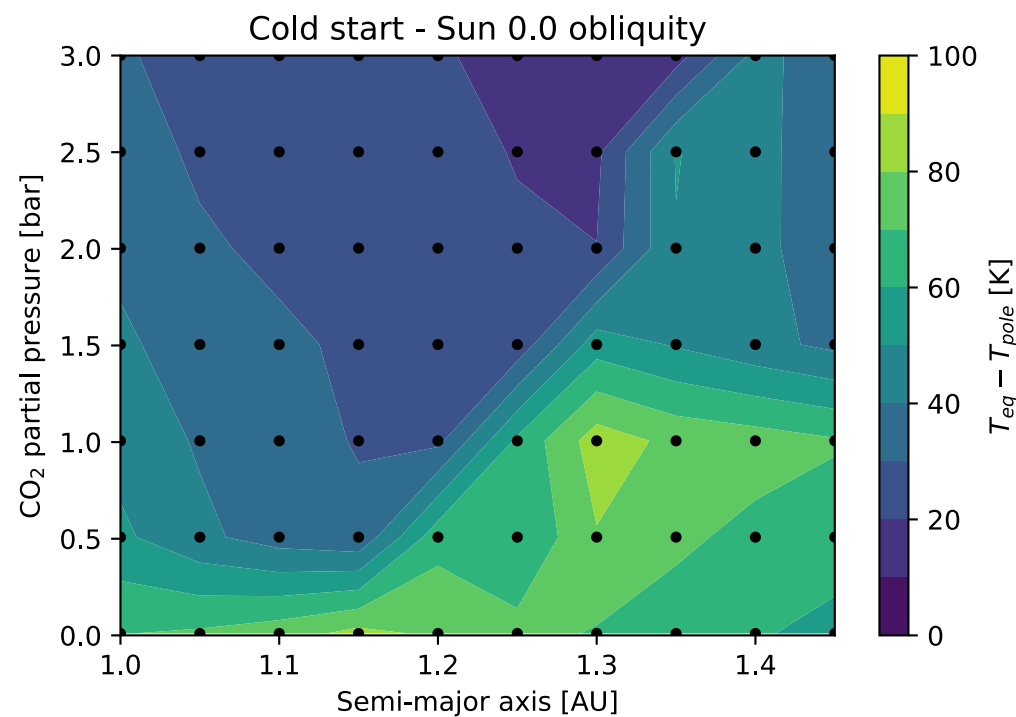
T dependence ON
Only last orbit
Sun



Temperature difference

Cold start

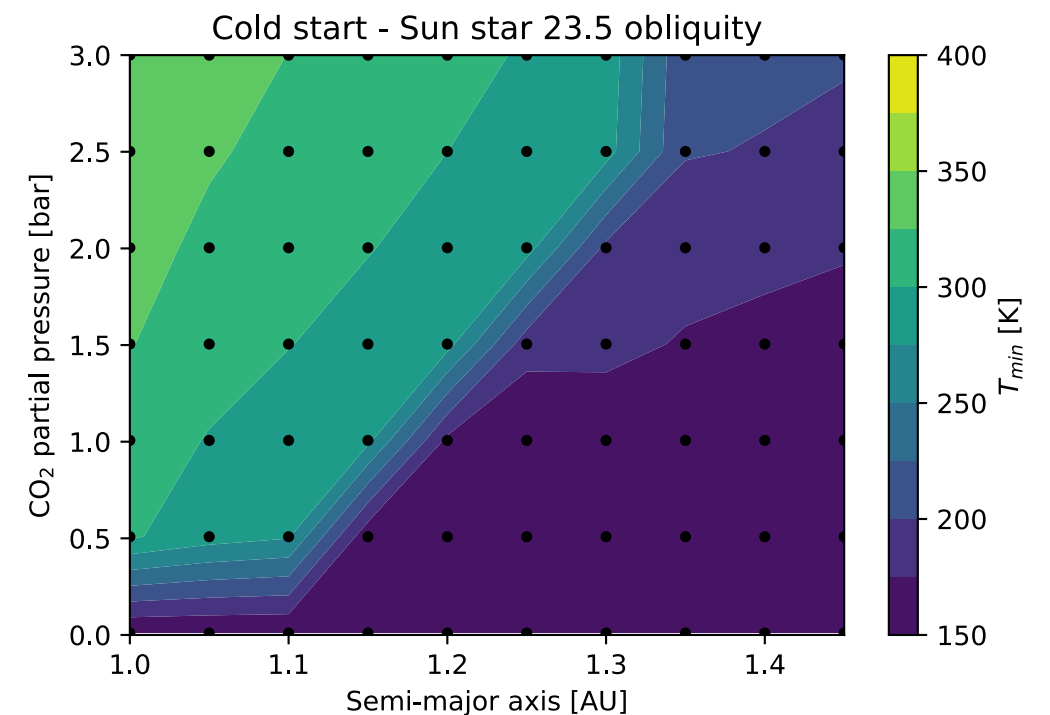
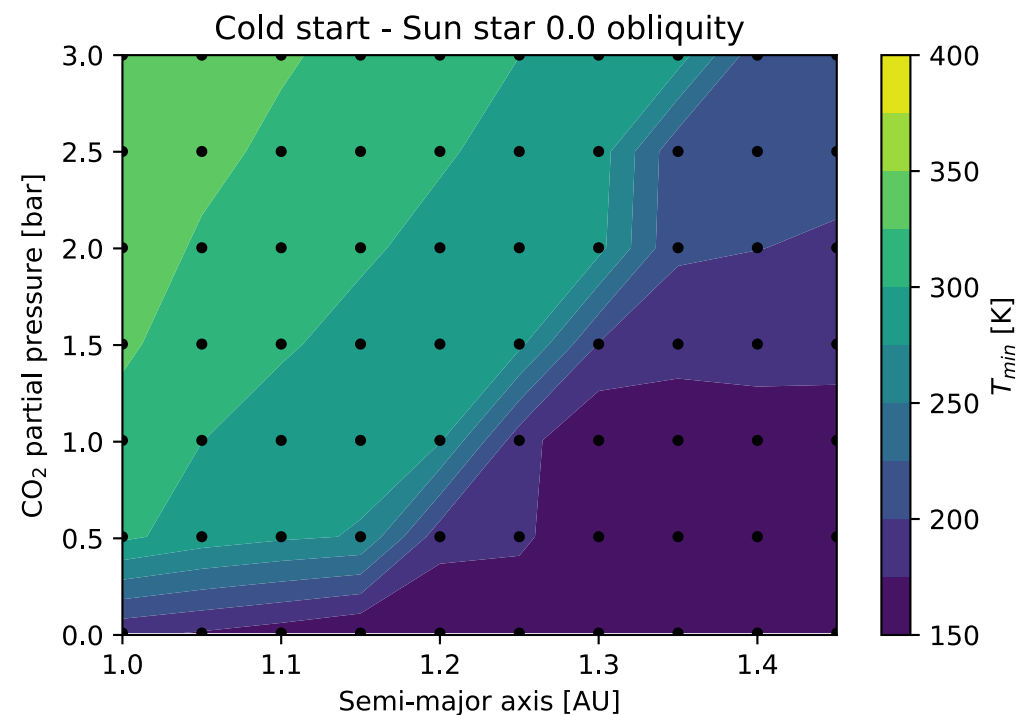
T dependence ON
Only last orbit
Sun



Minimum temperature

Cold start

T dependence ON
Only last orbit
Sun

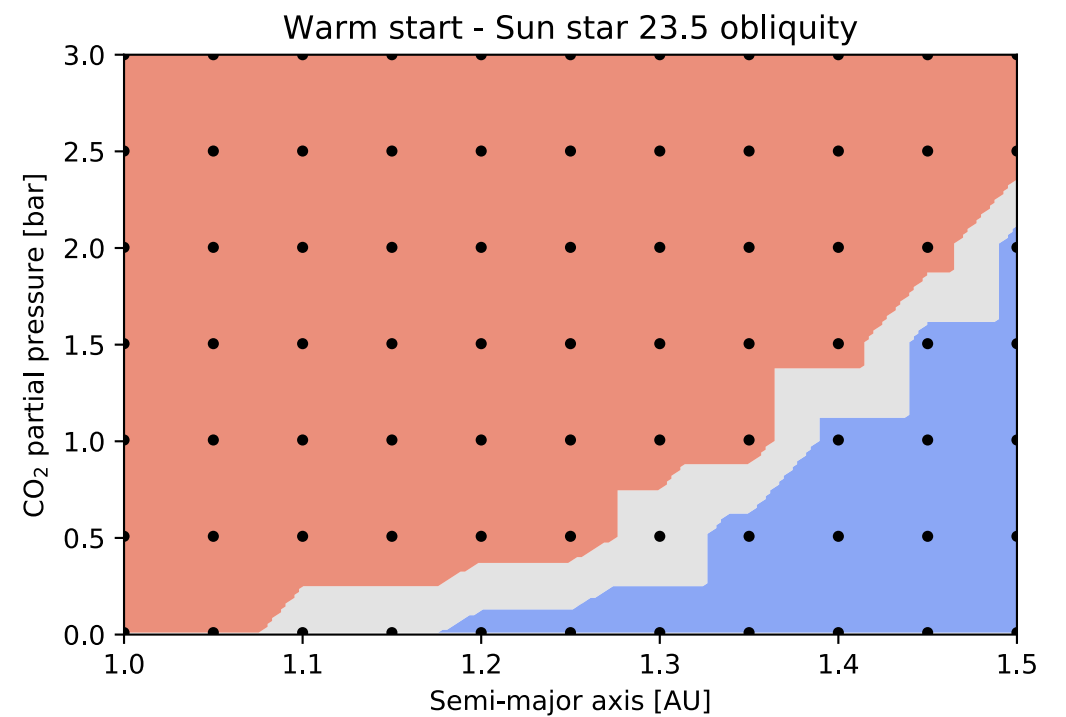
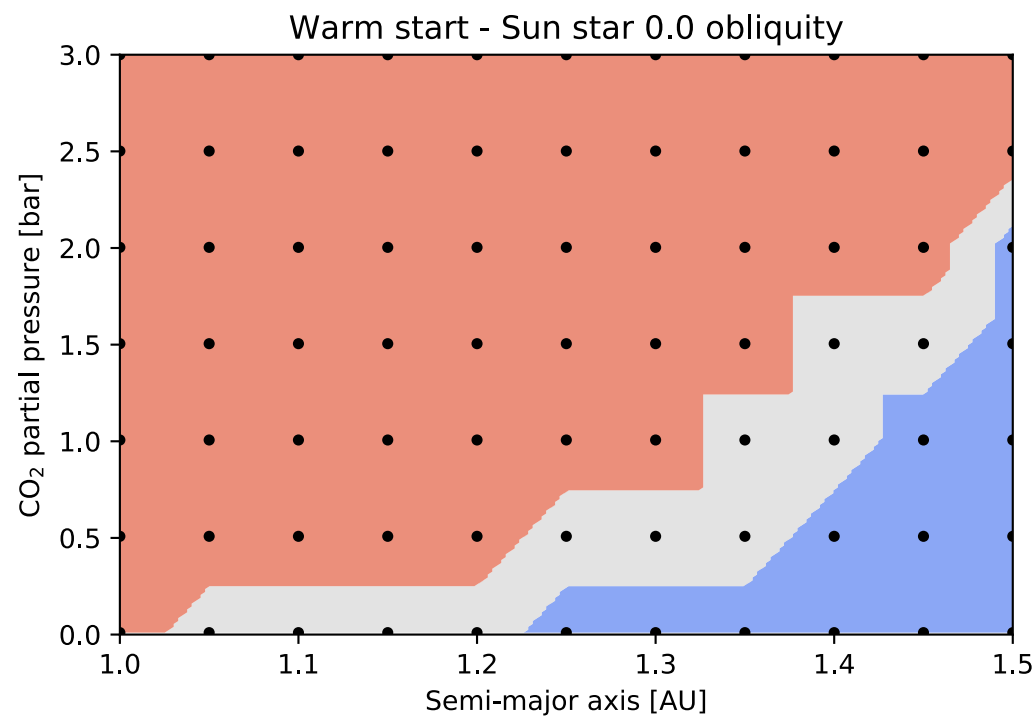


Again, pretty low temperatures reached at 23.5 obliquities

Final state

Warm start

T dependence ON
Only last orbit
Sun

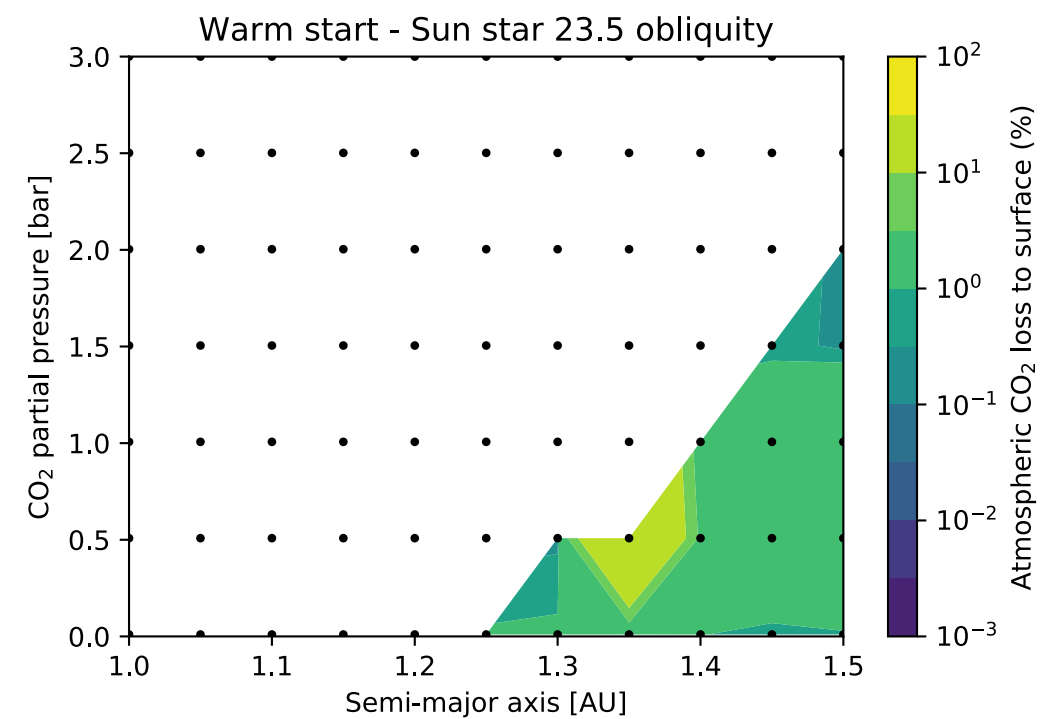
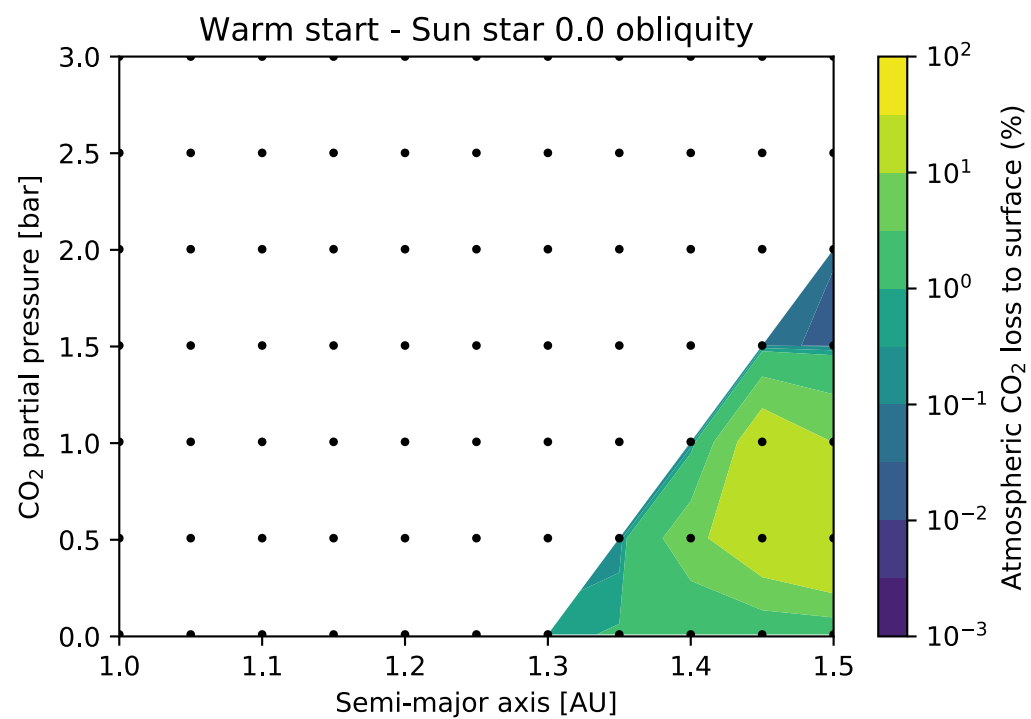


0 obliquity case leads to larger region with no permanent CO₂ ice

CO₂ surface ice

Warm start

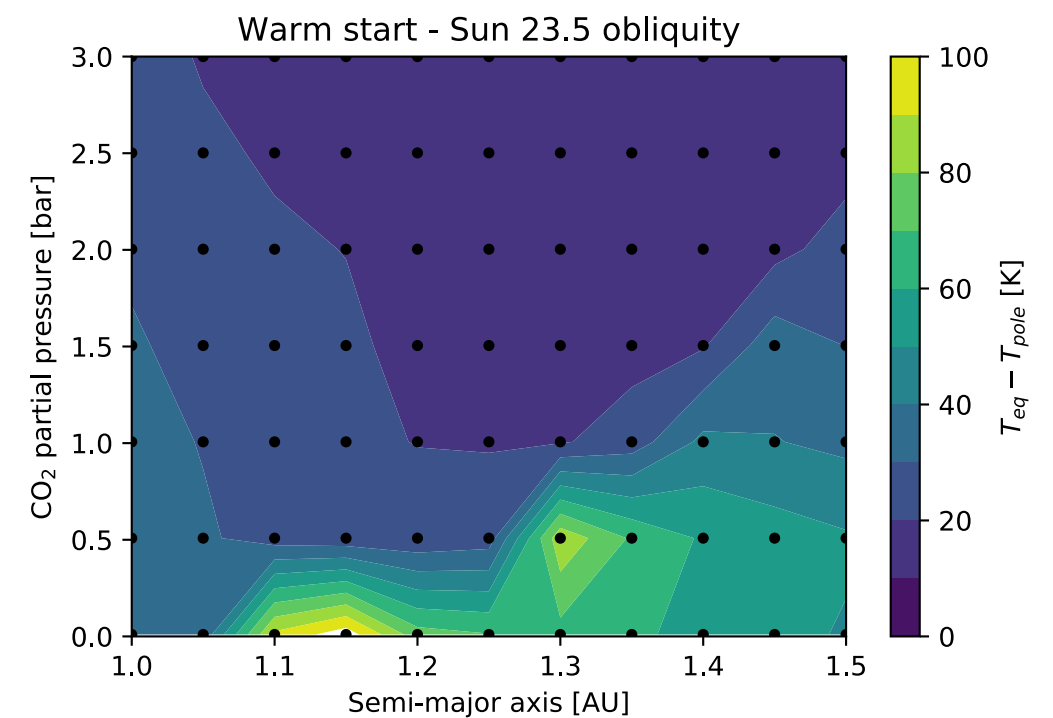
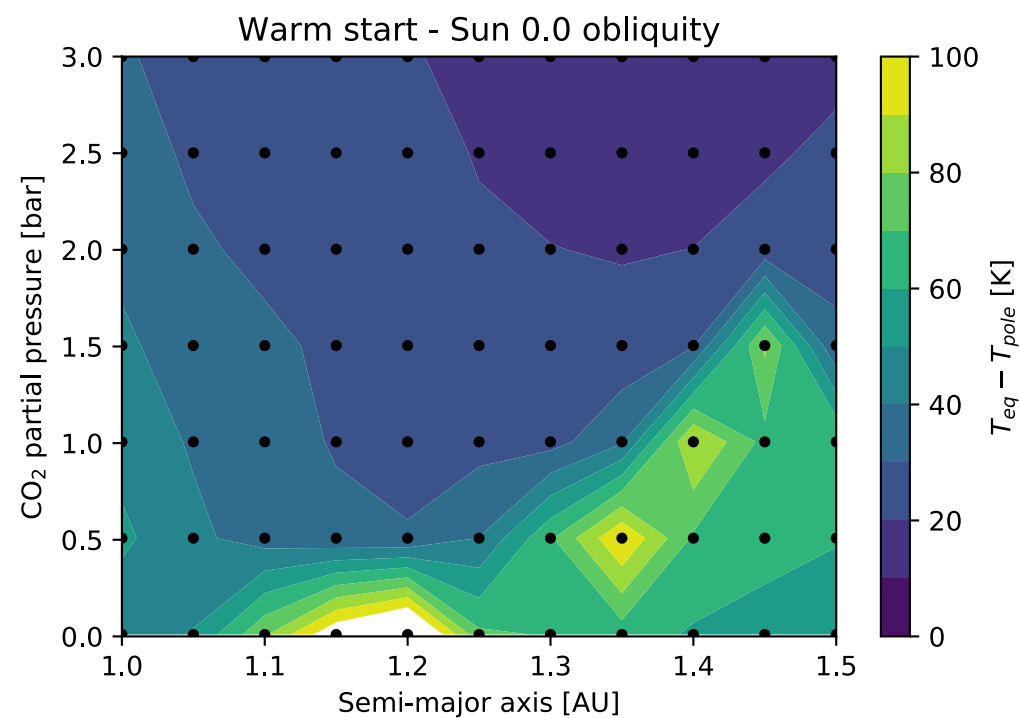
T dependence ON
Only last orbit
Sun



Temperature difference

Warm start

T dependence ON
Only last orbit
Sun

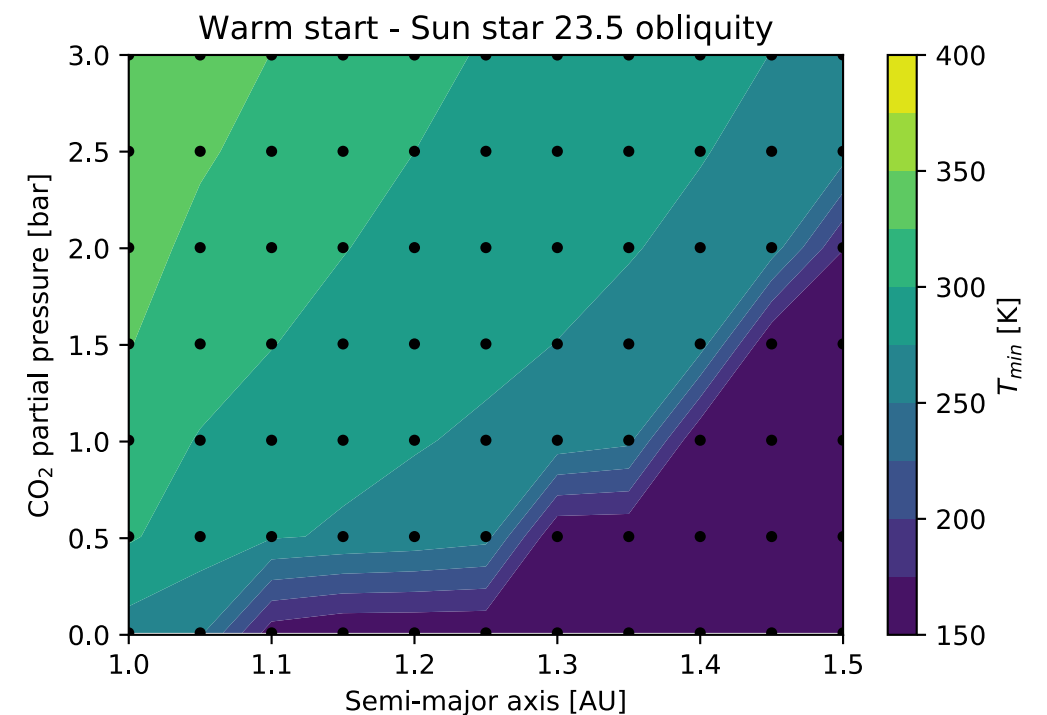
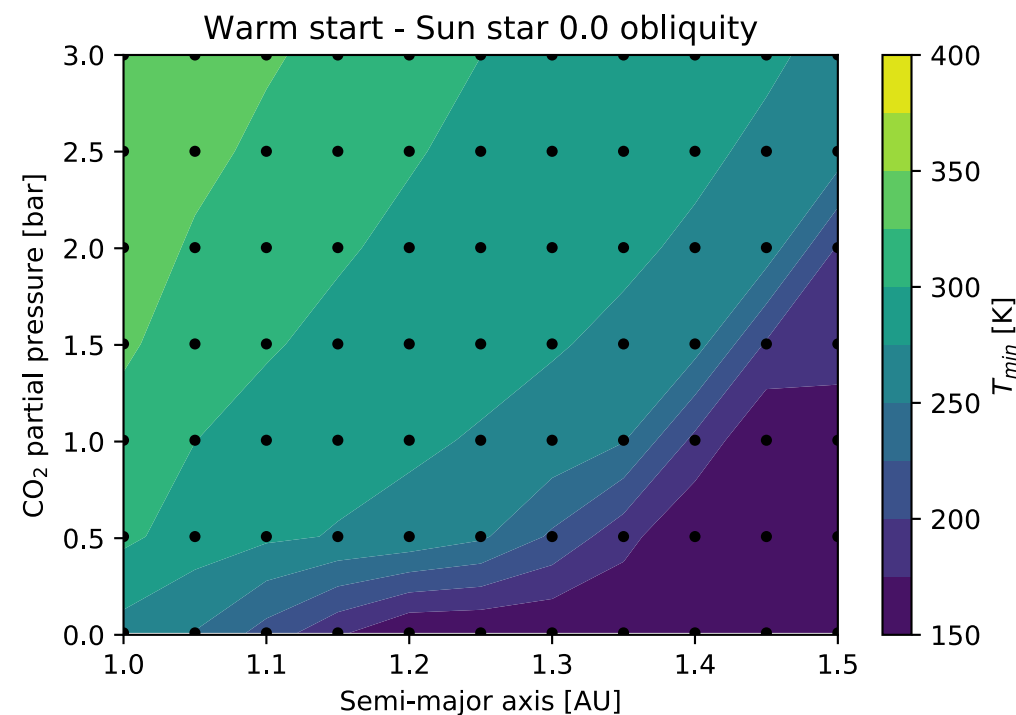


White regions: temperature difference is higher than 100 K (to be corrected in analysis code)

Minimum temperature

Warm start

T dependence ON
Only last orbit
Sun



Again, pretty low temperatures reached at 23.5 obliquities