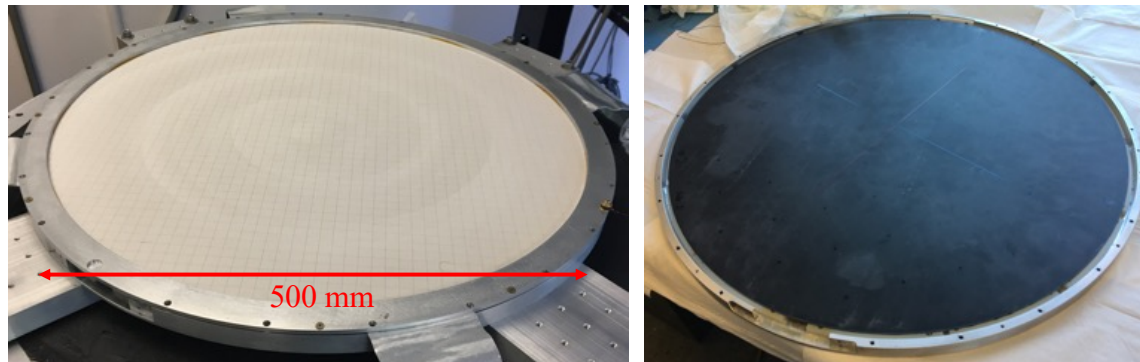


*500 mm sapphire before thermal cycling*



*After thermal cycling to 20 K*

