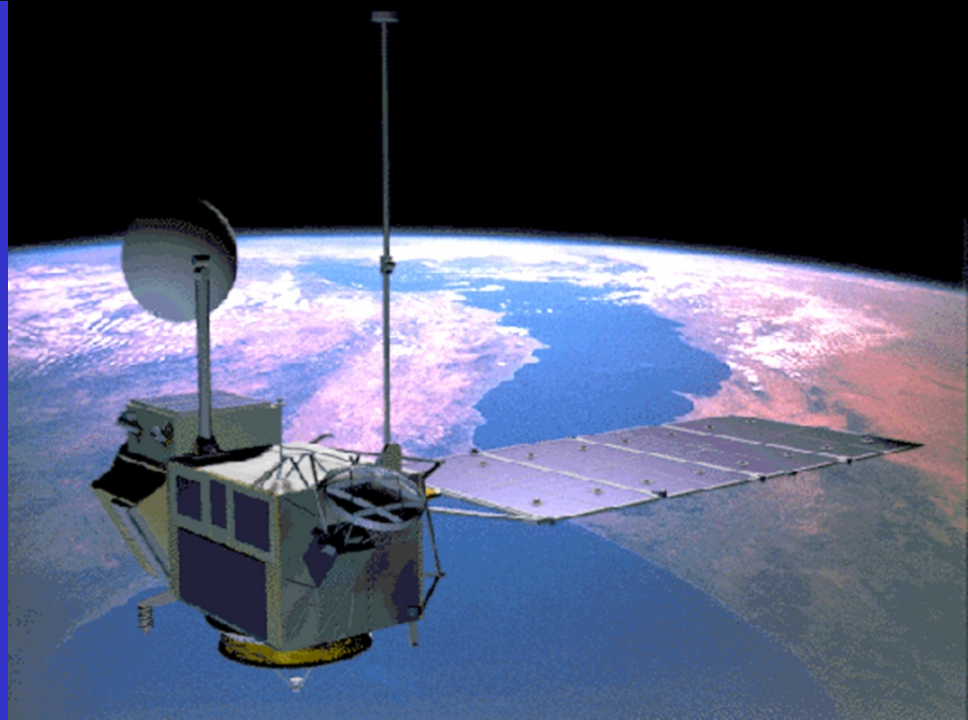




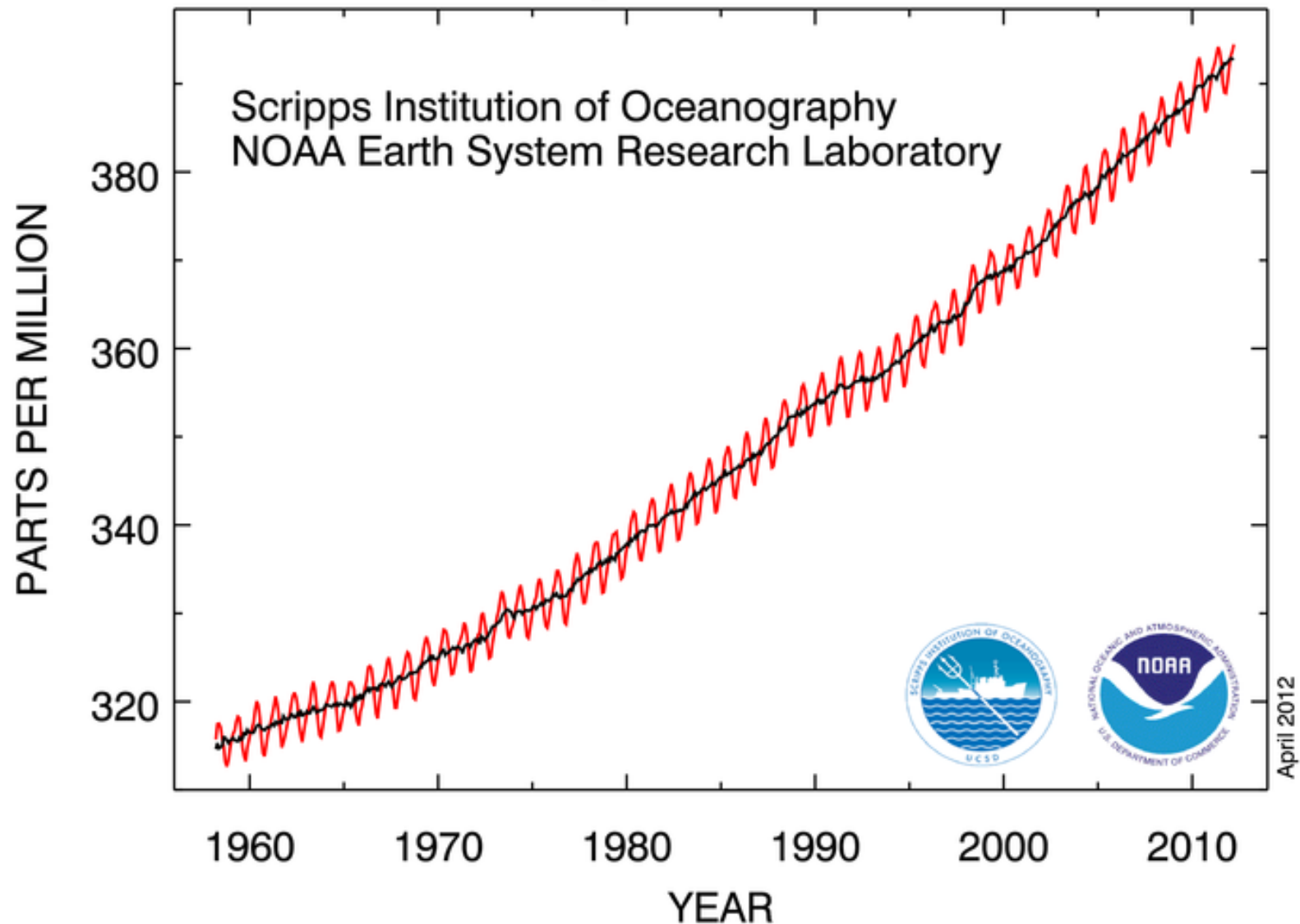
Sea Level Rise: Causes and Projections

Gary T. Mitchum

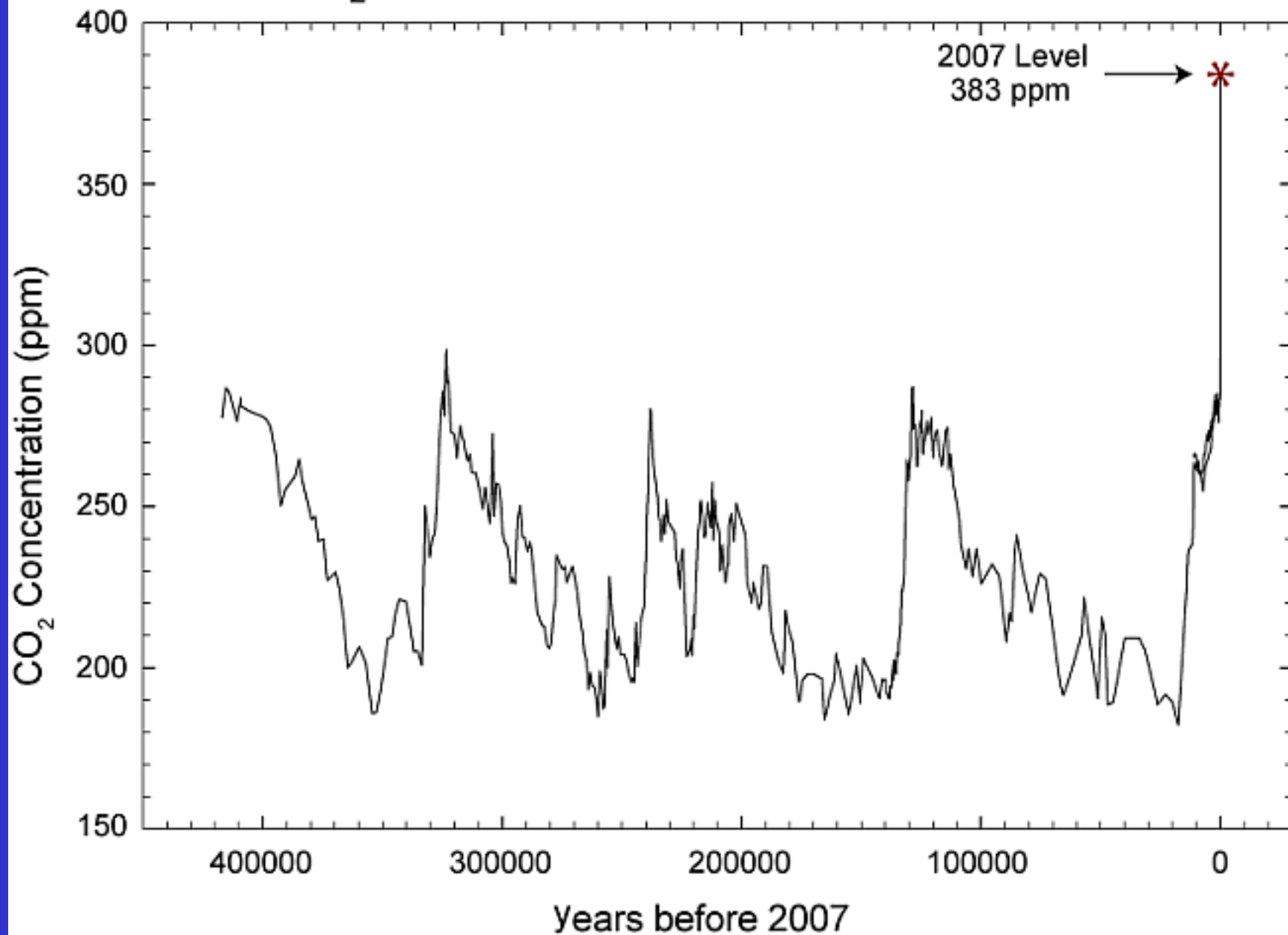
**Professor and Assoc. Dean
College of Marine Science
University of South Florida**



Atmospheric CO₂ at Mauna Loa Observatory



CO₂ Over Past 420 Thousand Years





So why do you put a blanket on your baby?

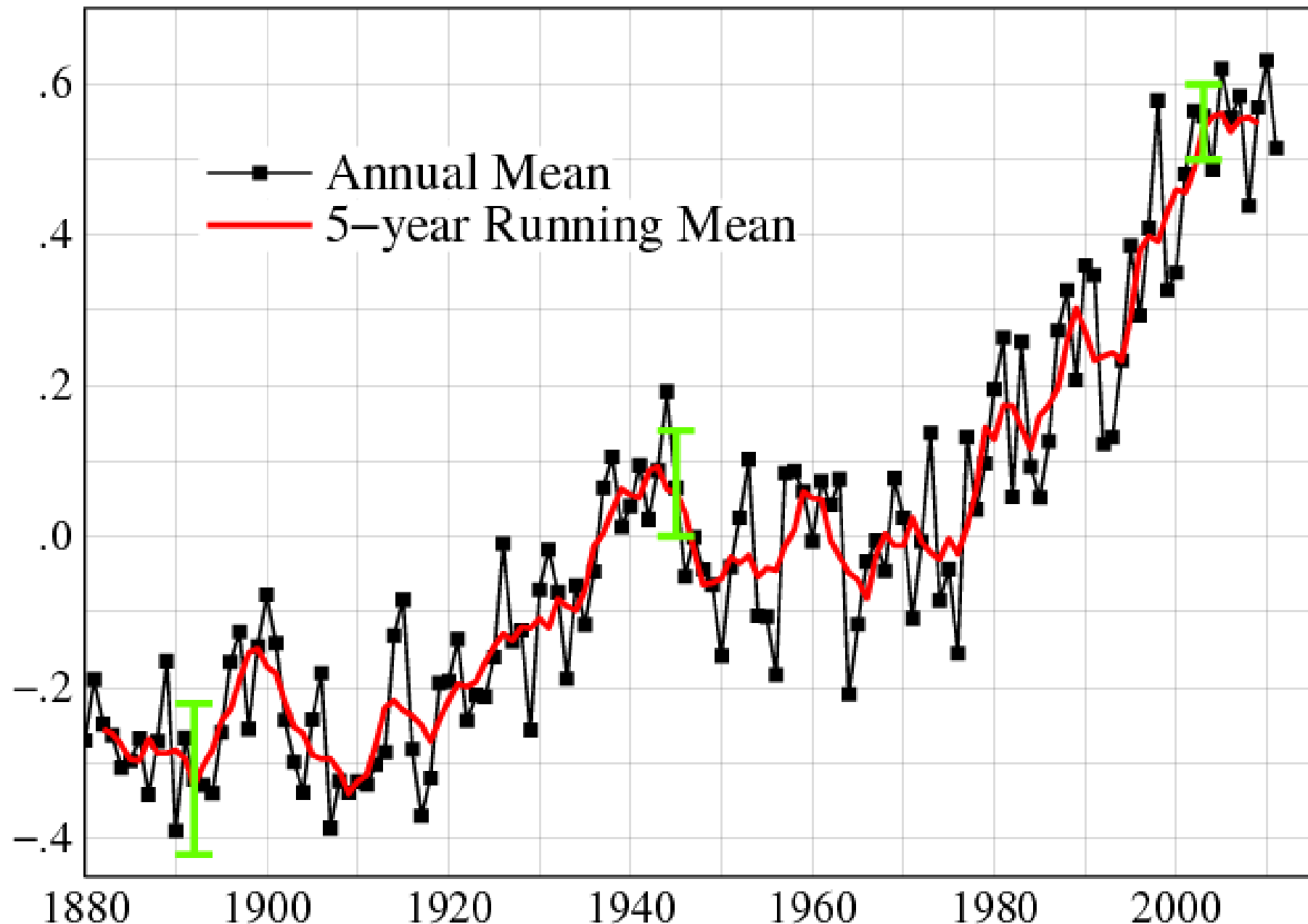
Net radiation in means heating, net radiation out means cooling.

The blanket captures some of the radiation and re-emits in all directions, some back towards you!

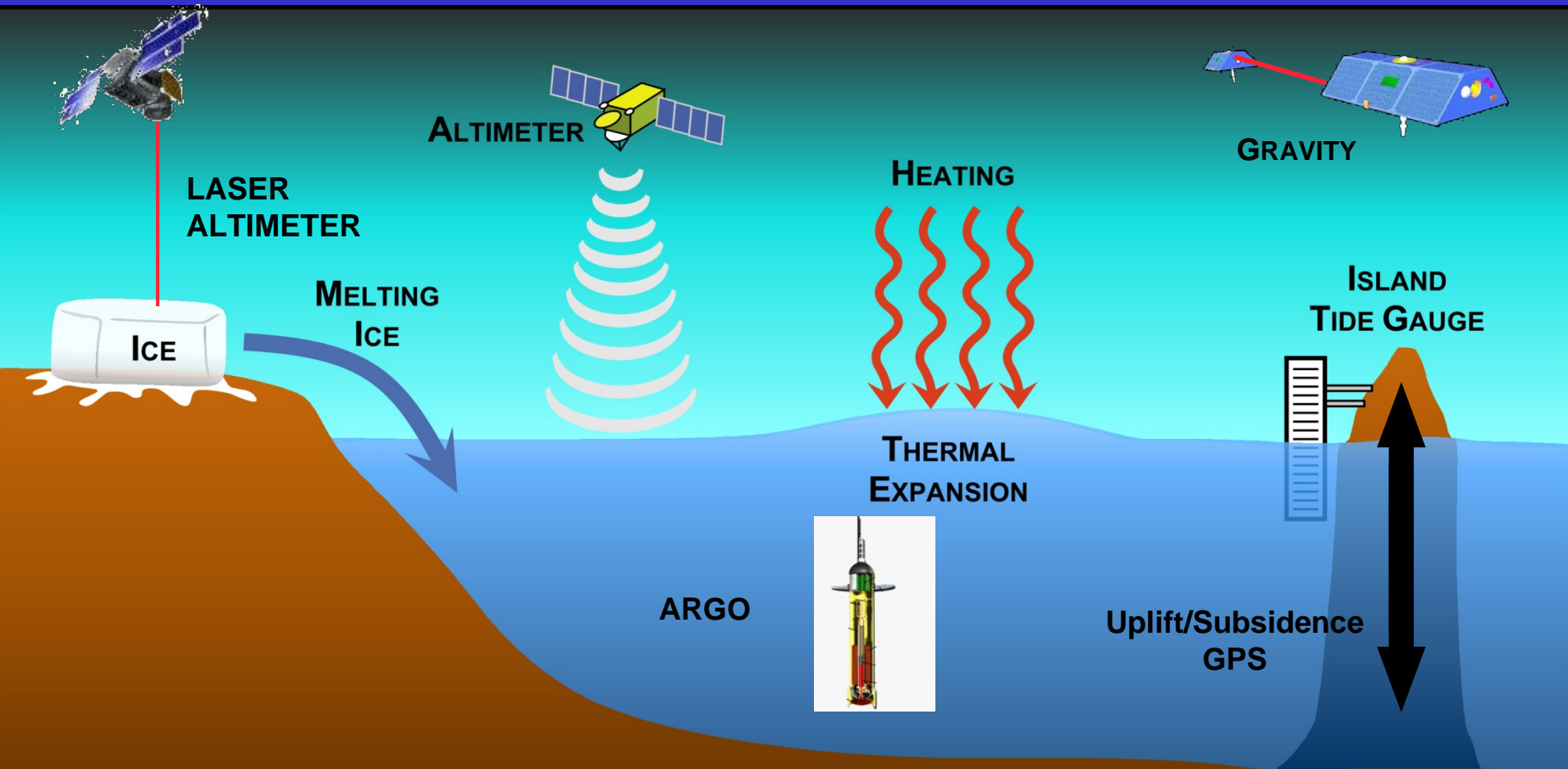
So what makes for a good blanket?

Global Land–Ocean Temperature Index

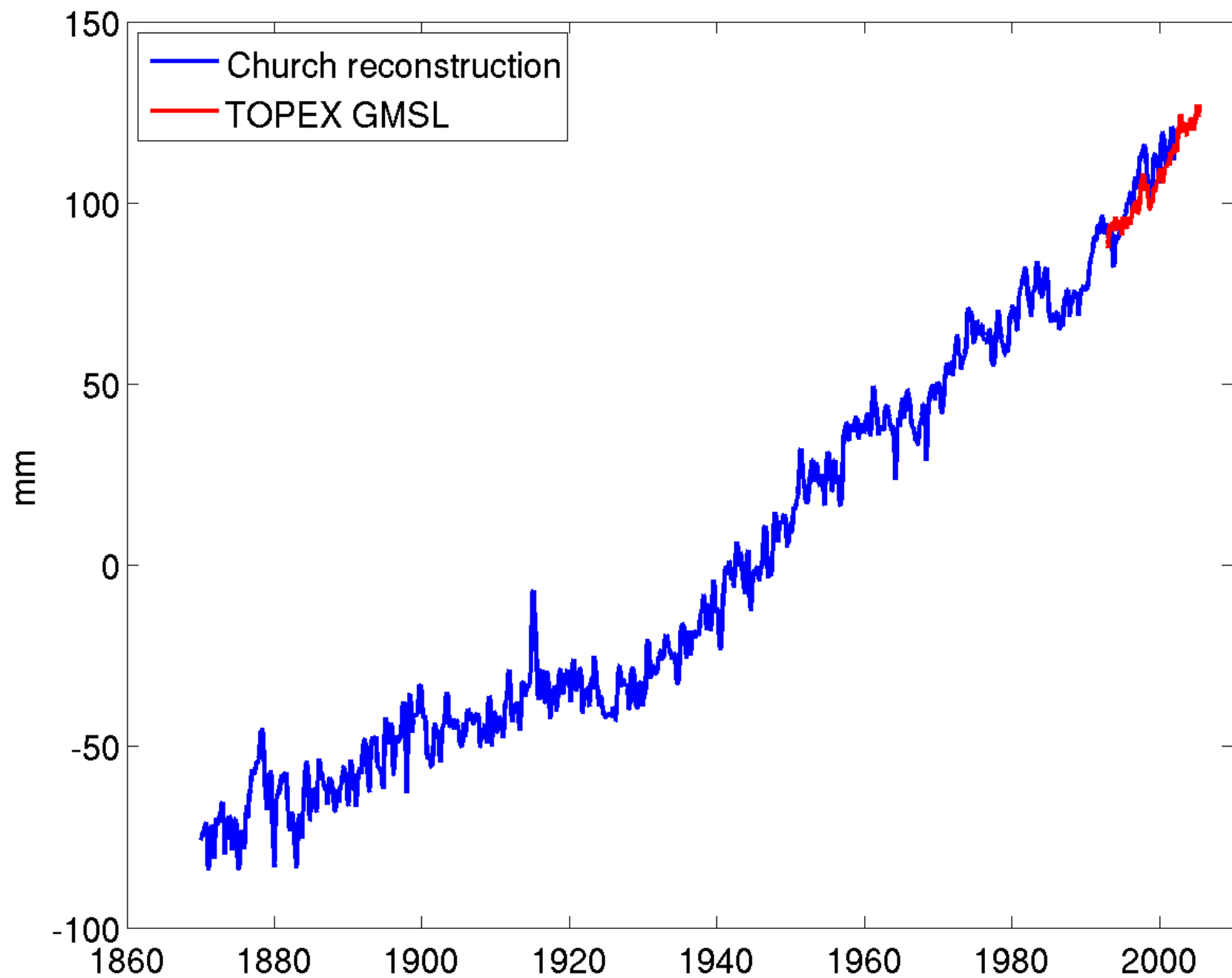
Temperature Anomaly (°C)



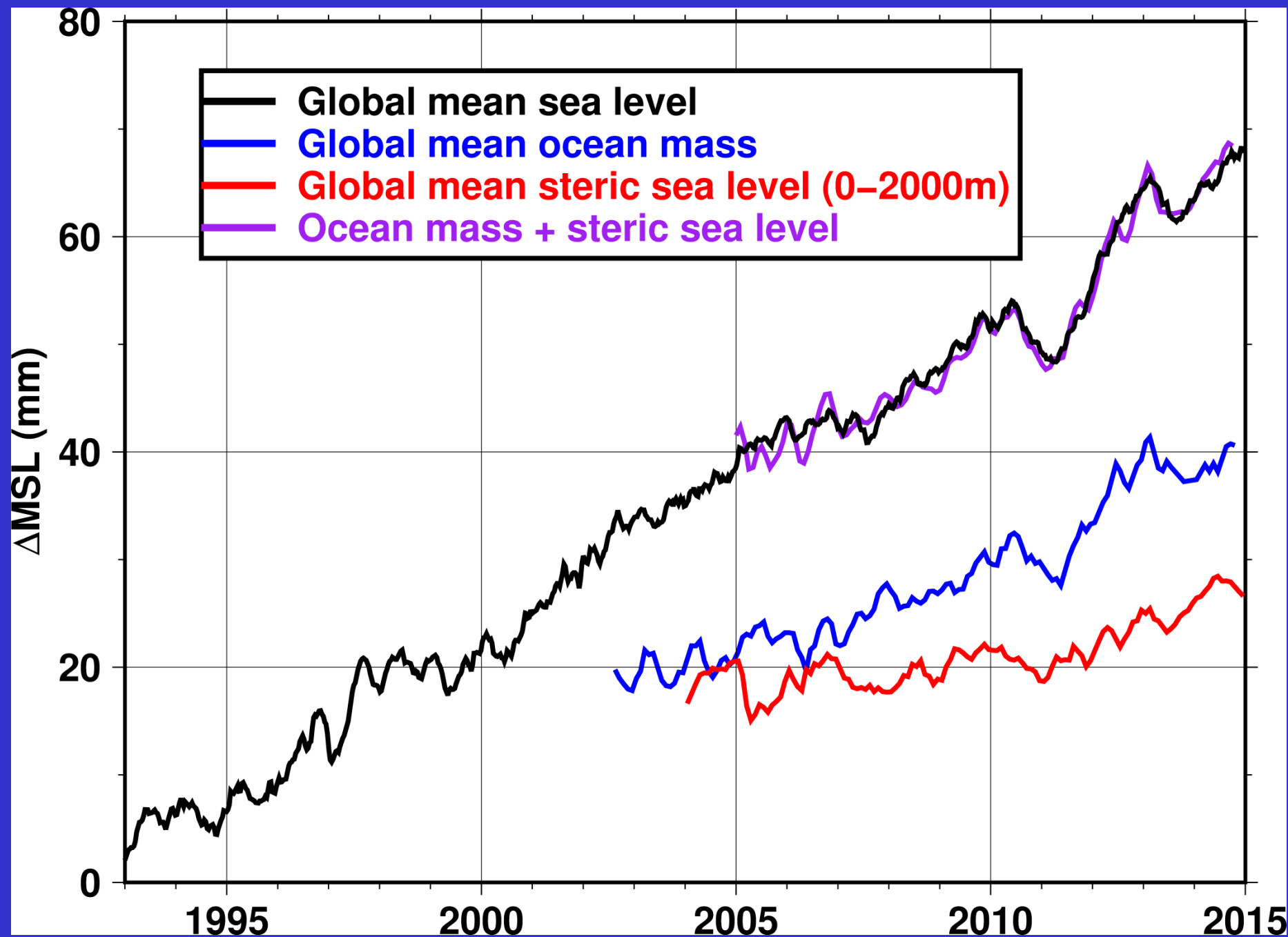
Tools for Measuring Sea Level



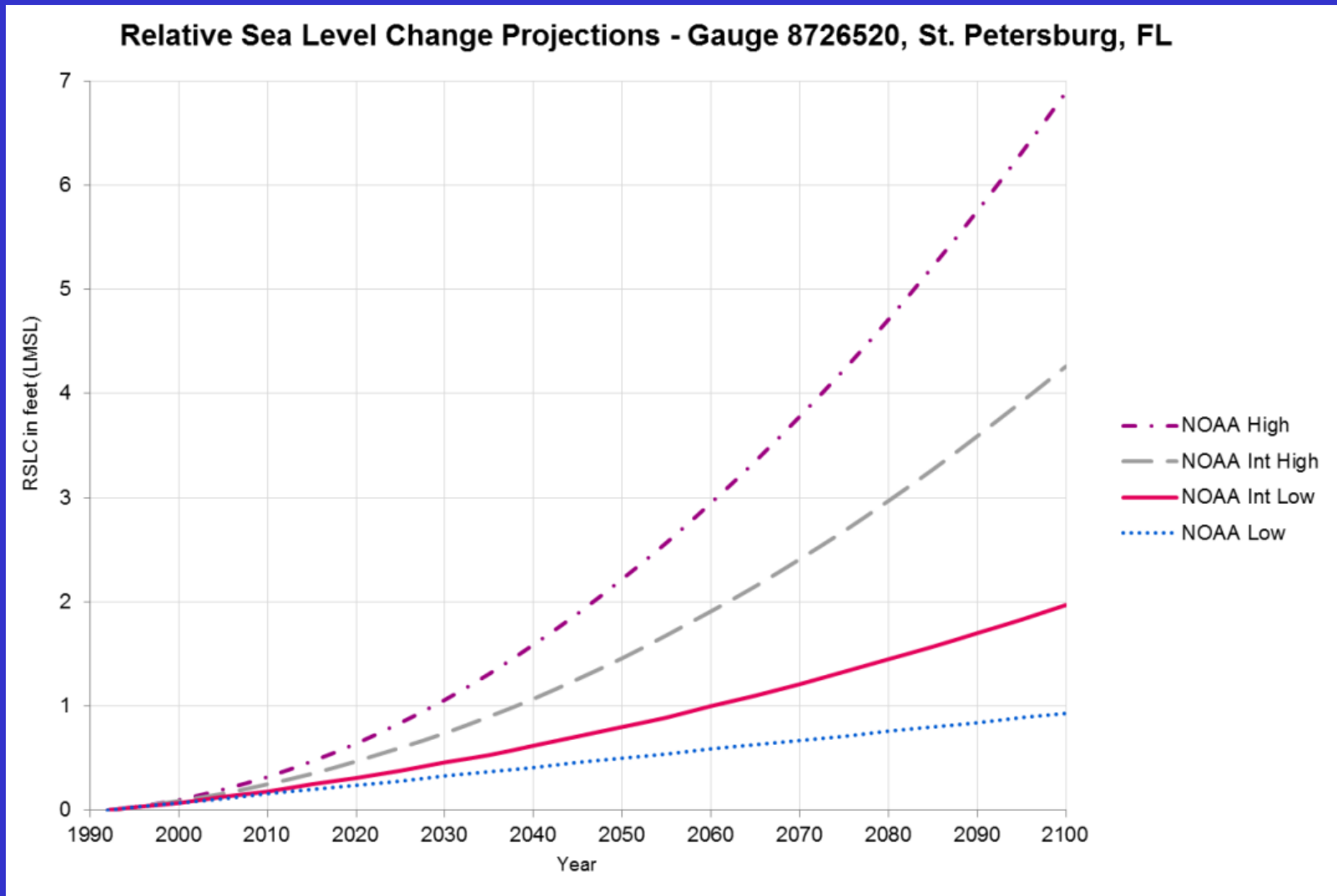




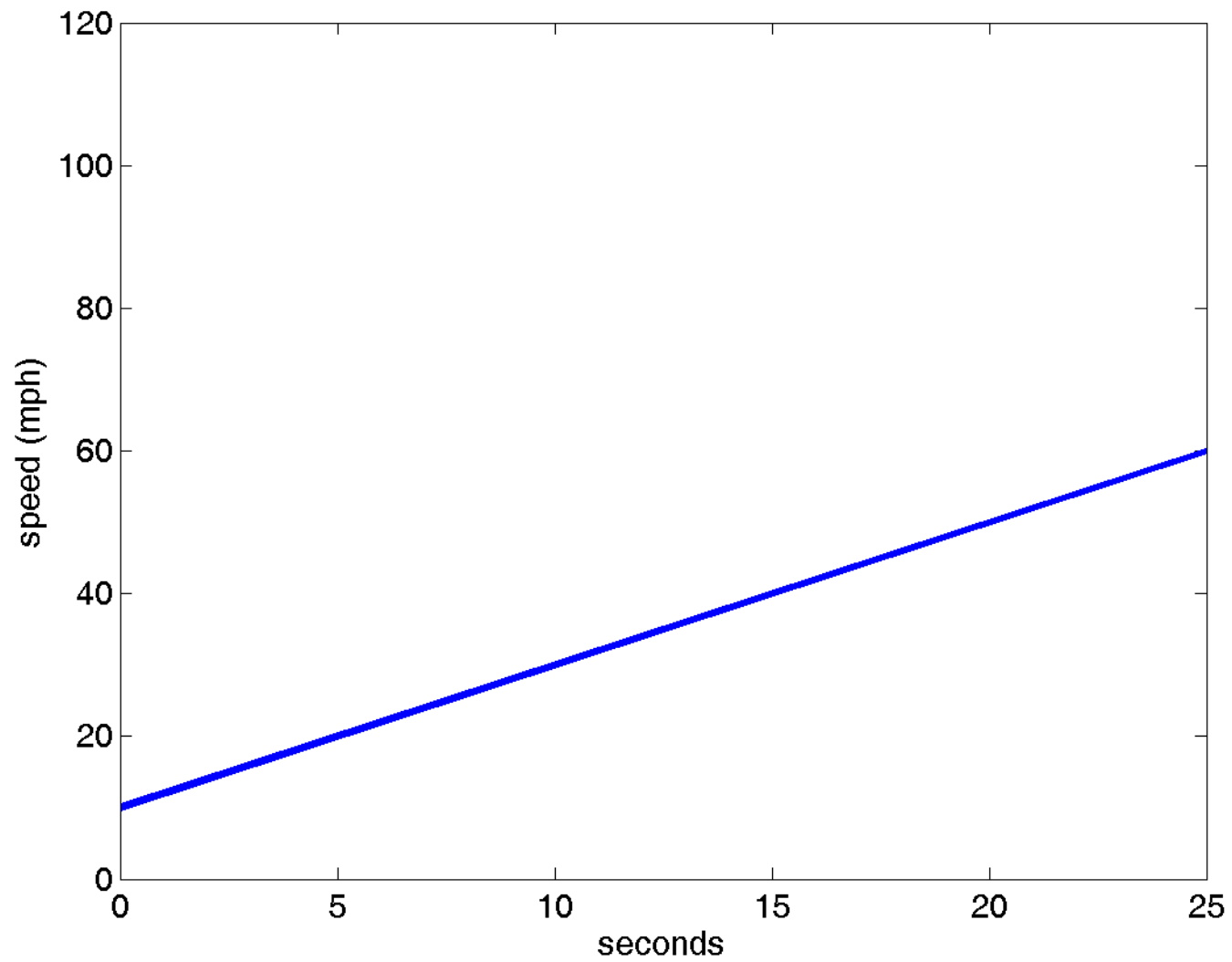


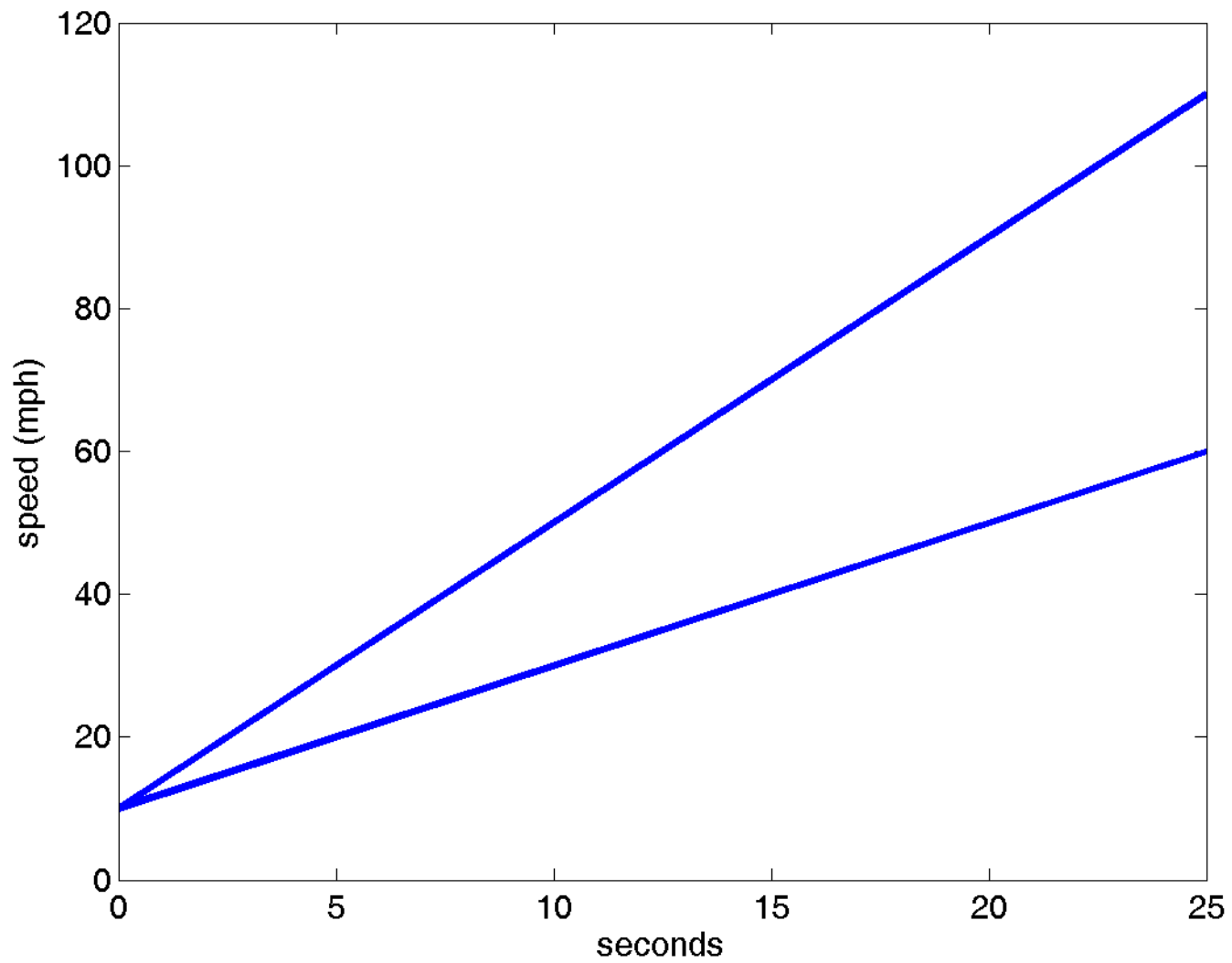


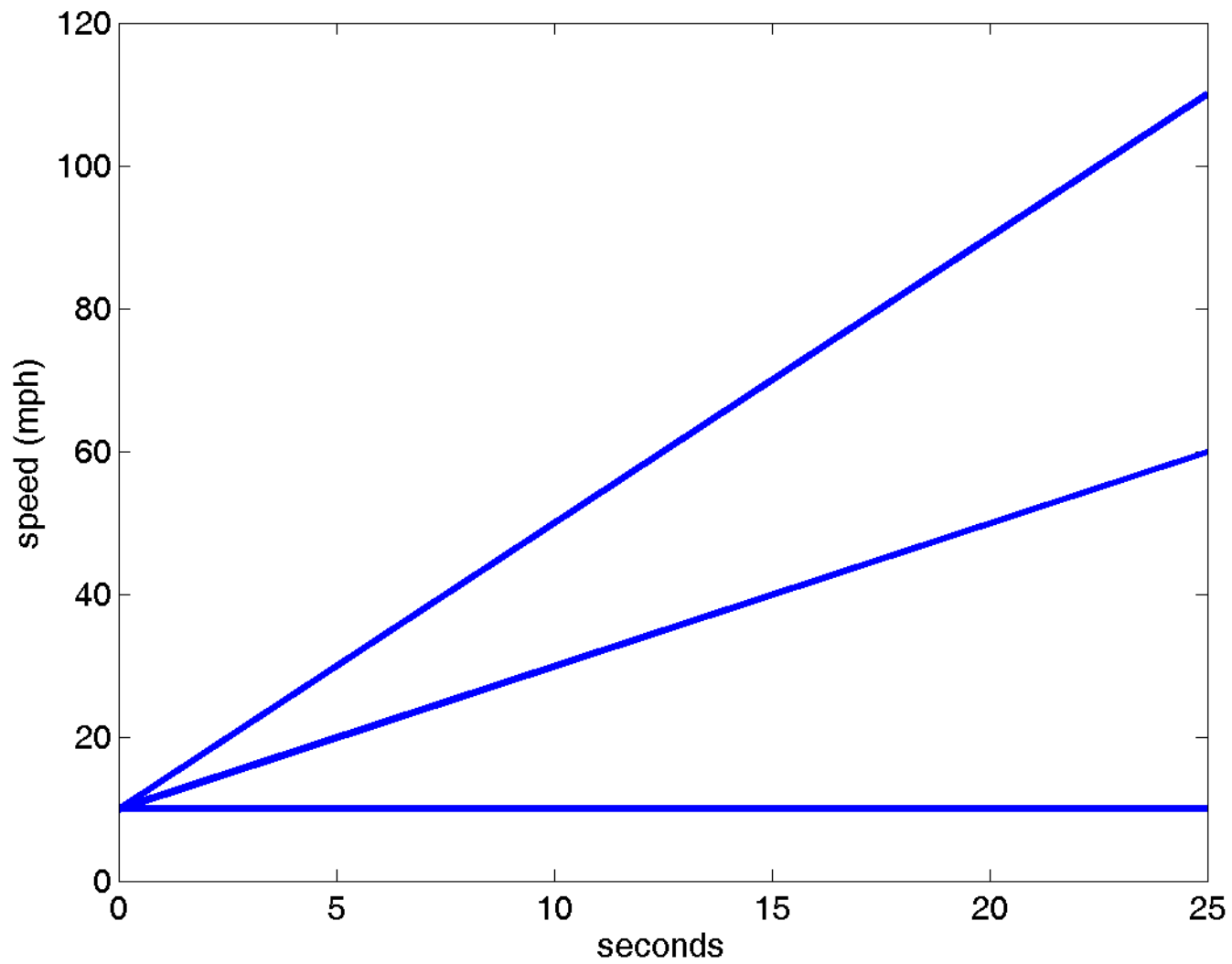
Relative Sea Level Change Scenarios St. Petersburg, FL



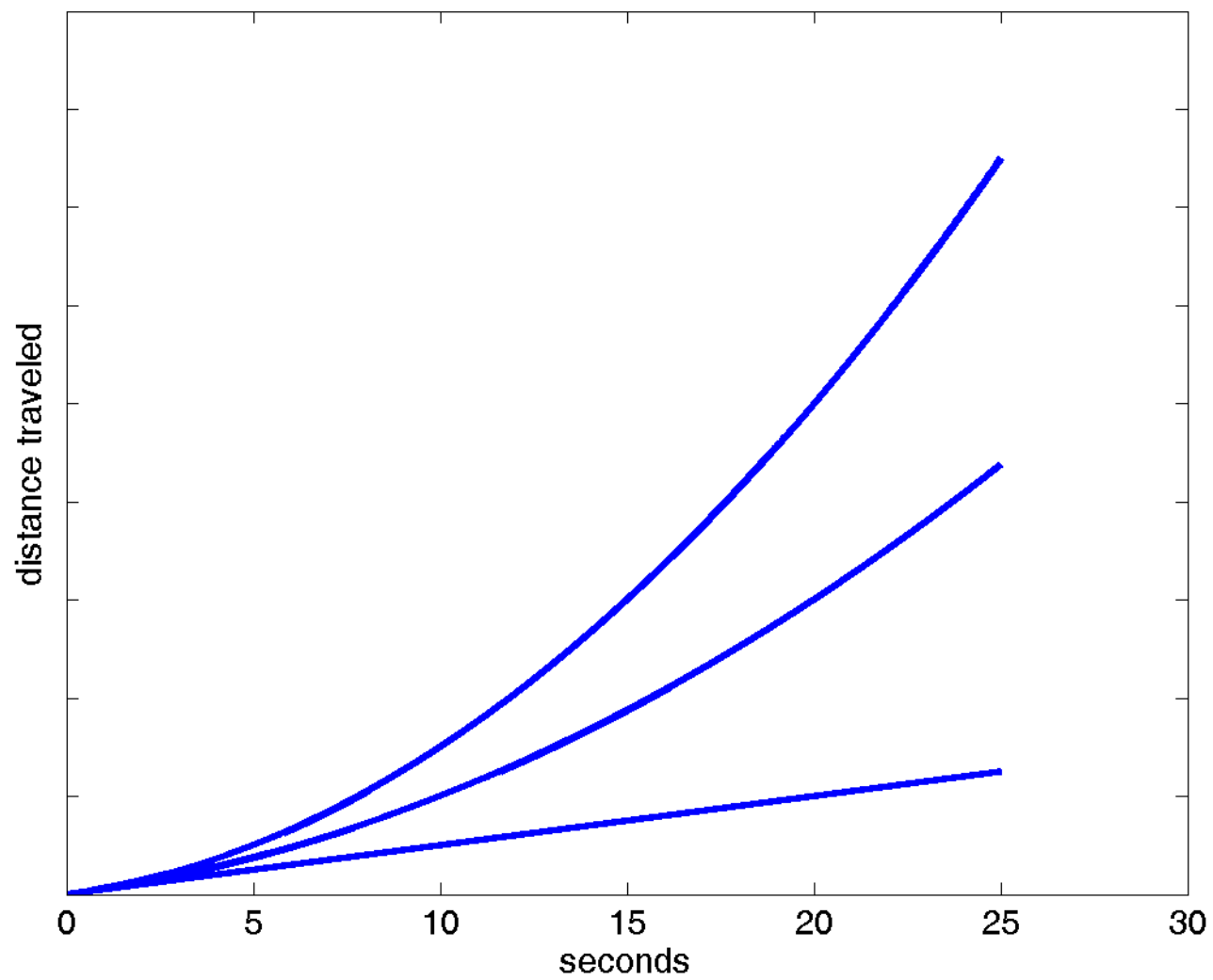
Getting on to the interstate.

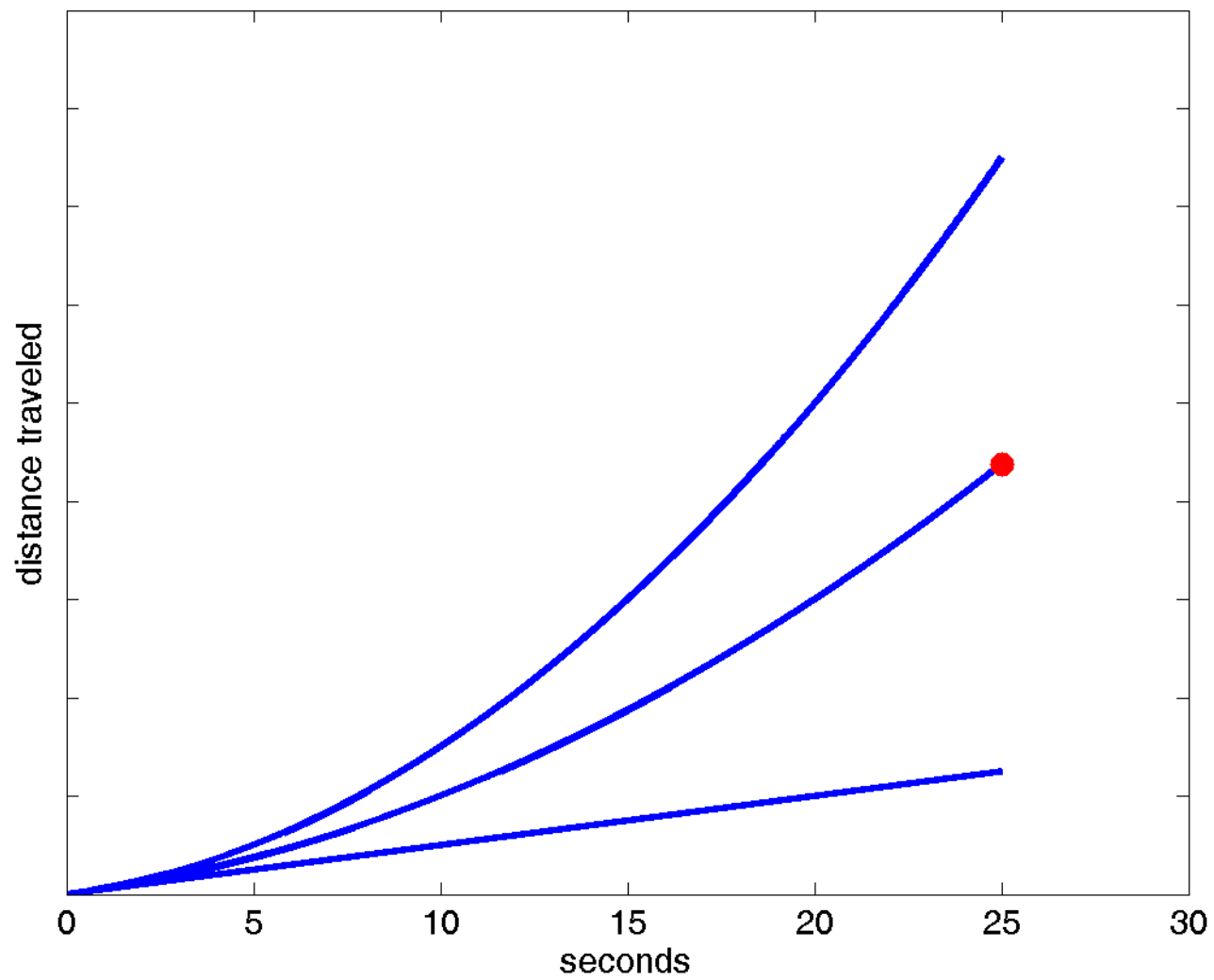




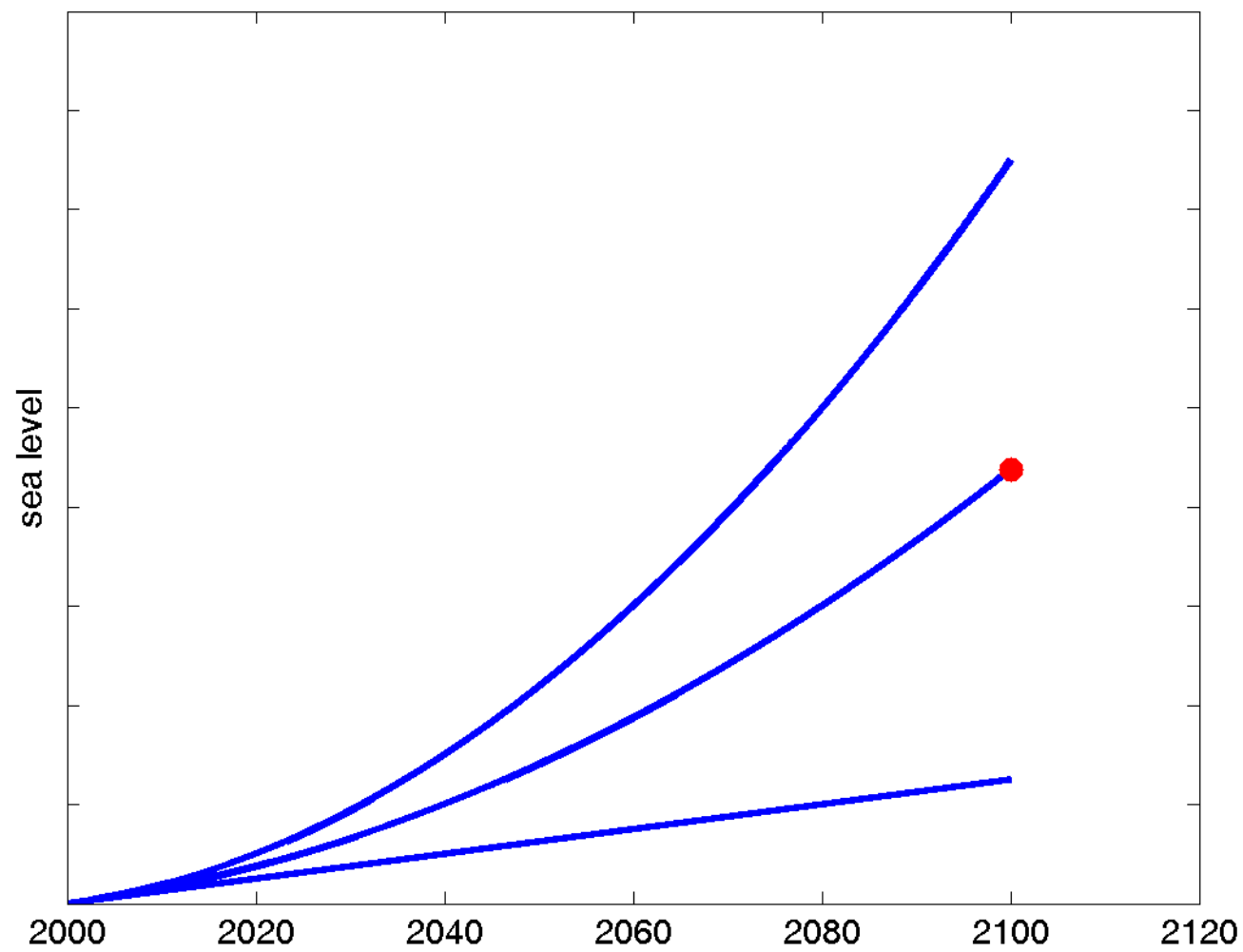


What if we're watching
the odometer instead of
the speedometer?





So what does this have to
do with sea level rise?



Projections all come down to
where to put that one red dot!

IPCC?

NCA?

USACE?

Some gotchas.

