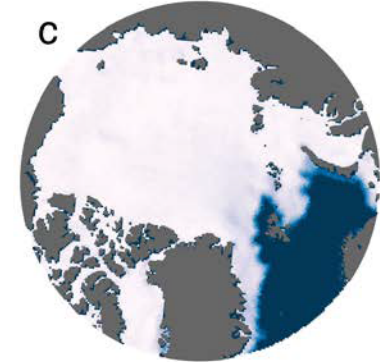
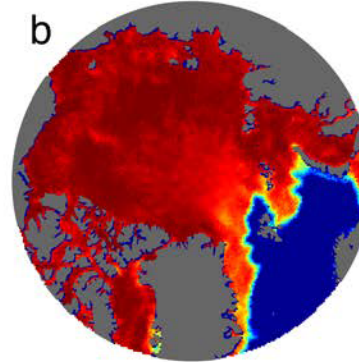
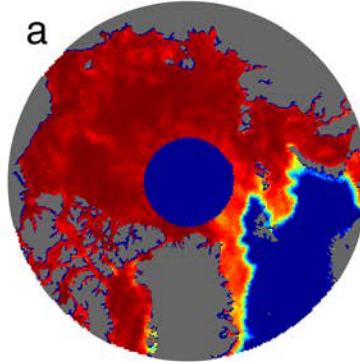


# Filling the polar data gap

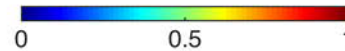
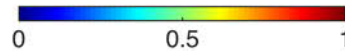
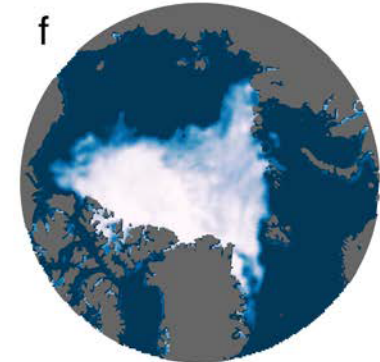
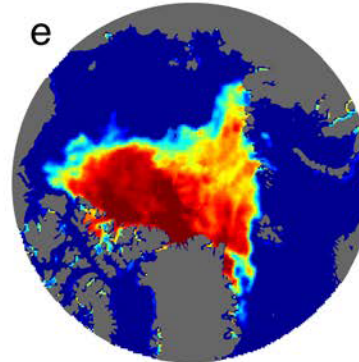
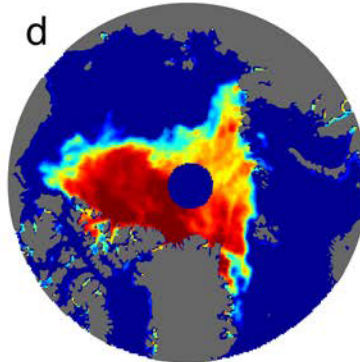
hole in satellite coverage  
of sea ice concentration field

previously assumed ice covered

Gap radius: 611 km  
06 January 1985



Gap radius: 311 km  
30 August 2007



**fill with harmonic function satisfying  
satellite BC's plus stochastic term**

Strong and Golden, *Remote Sensing* 2016

Strong and Golden, *SIAM News* 2017