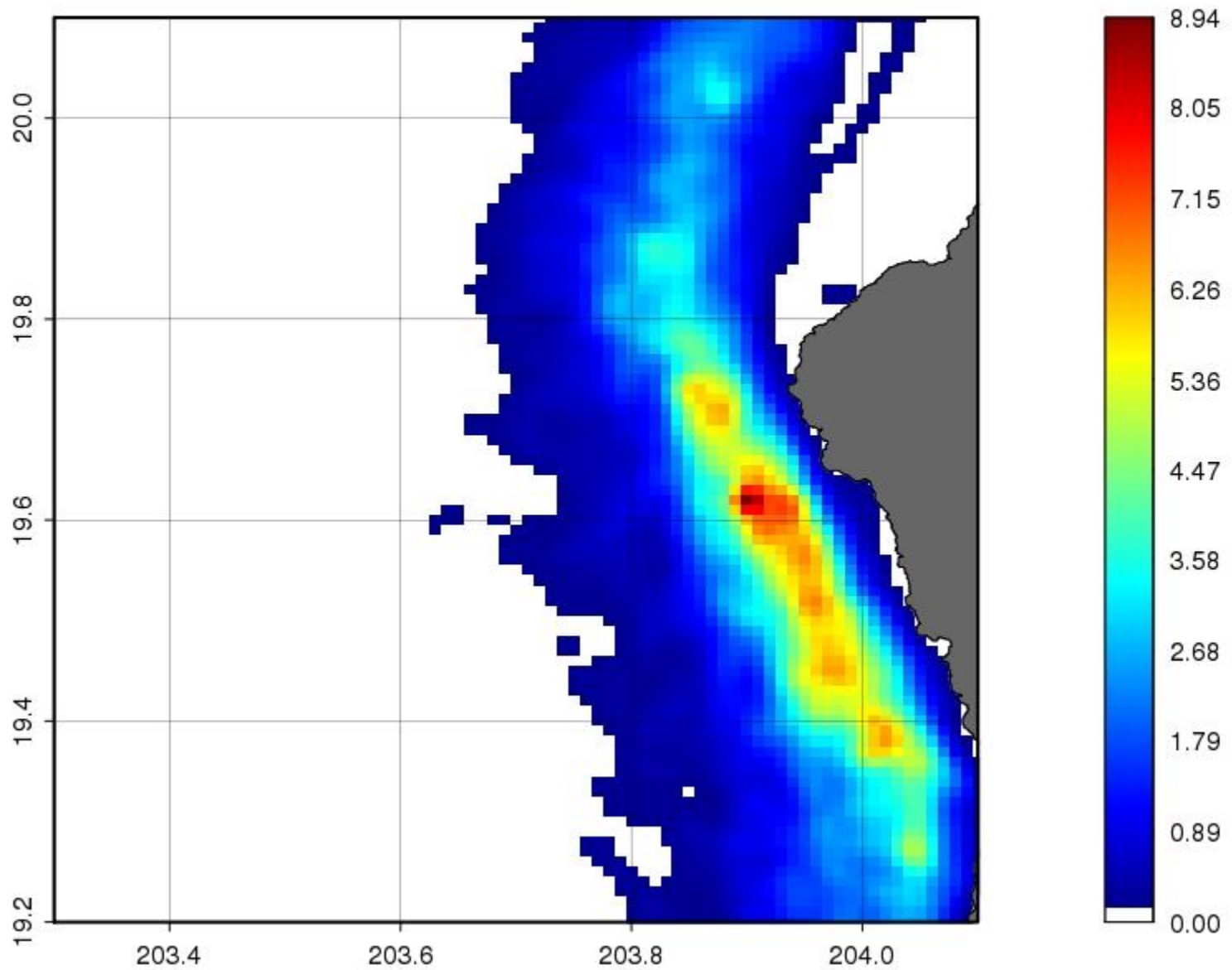
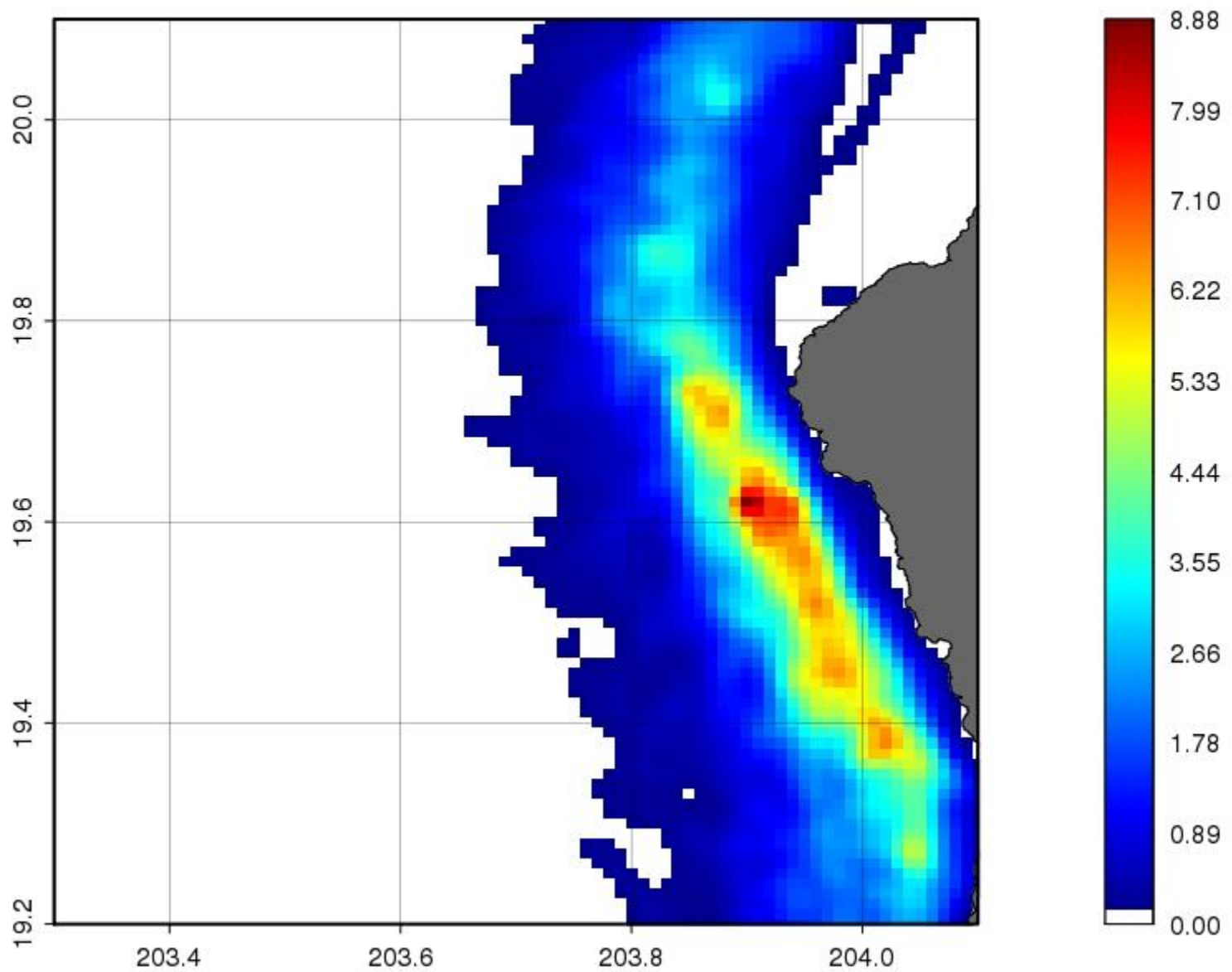


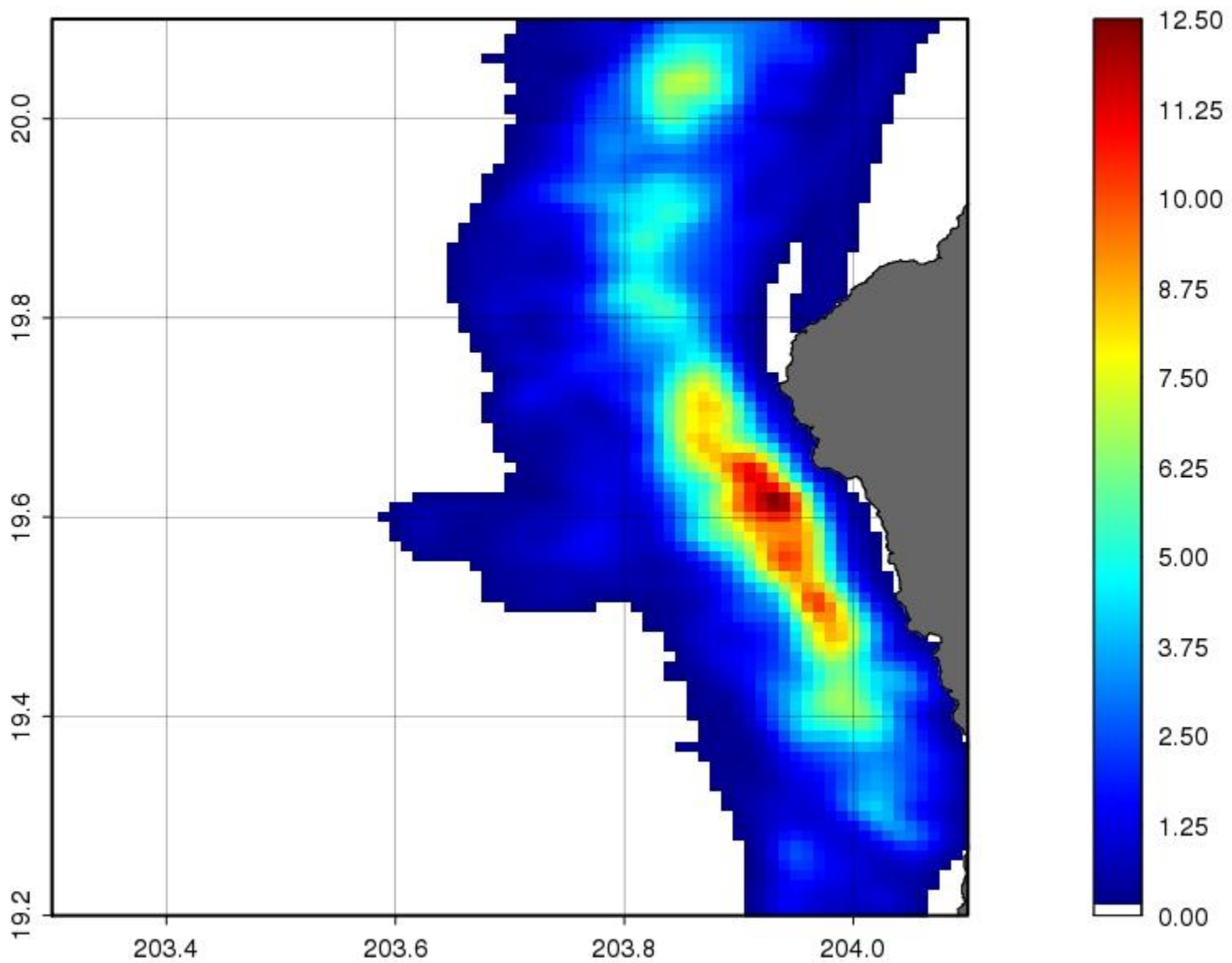
Observed pilot whale density

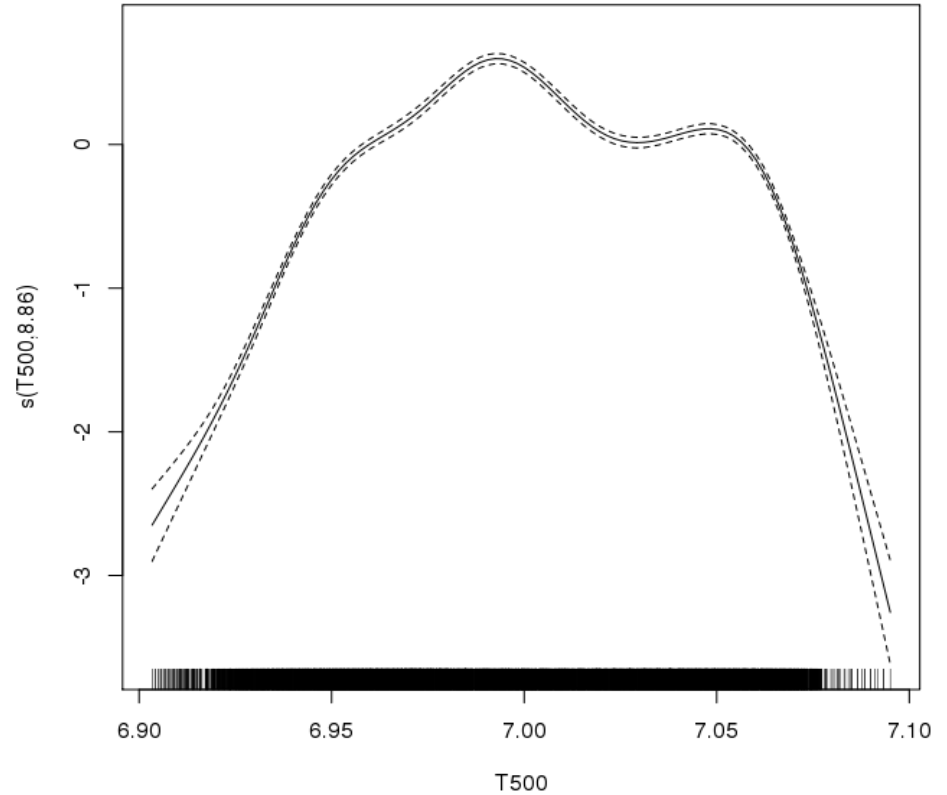
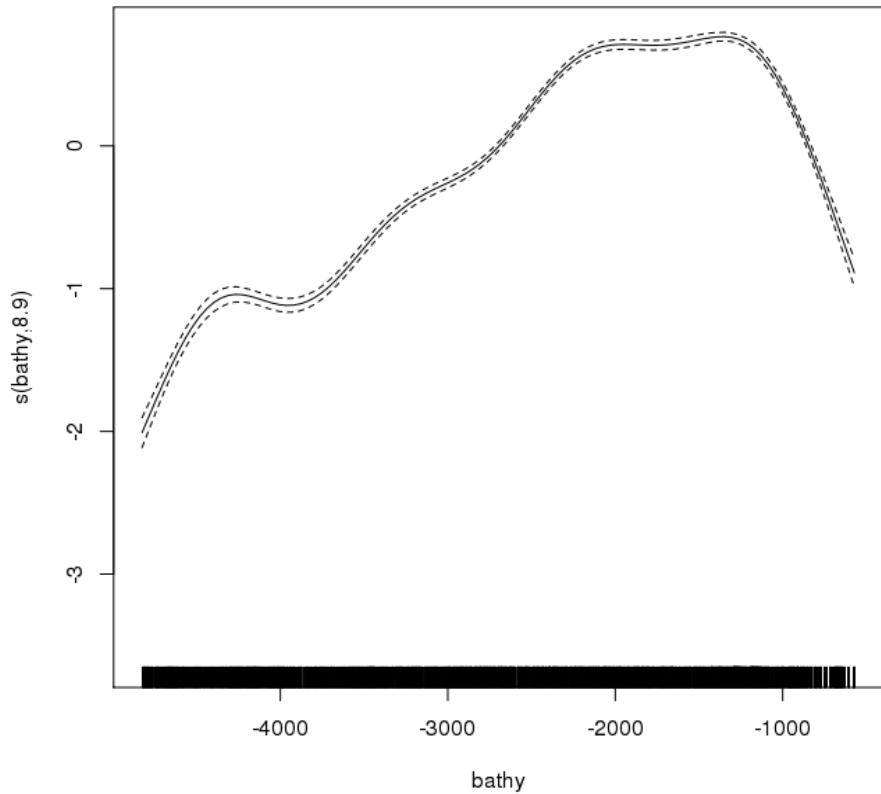


Observed pilot whale density - tags at sea for > 10 days



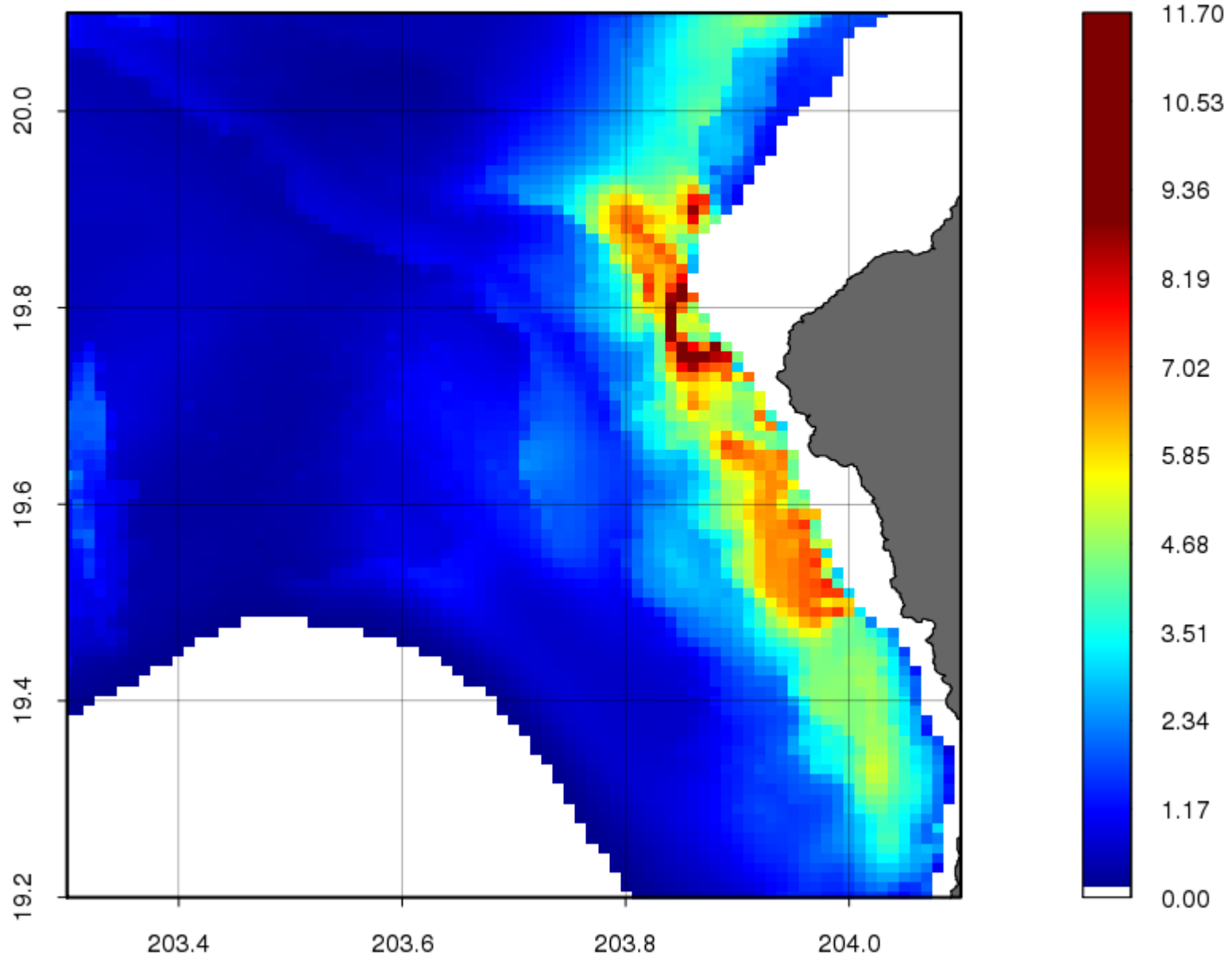
Observed pilot whale density - 2011



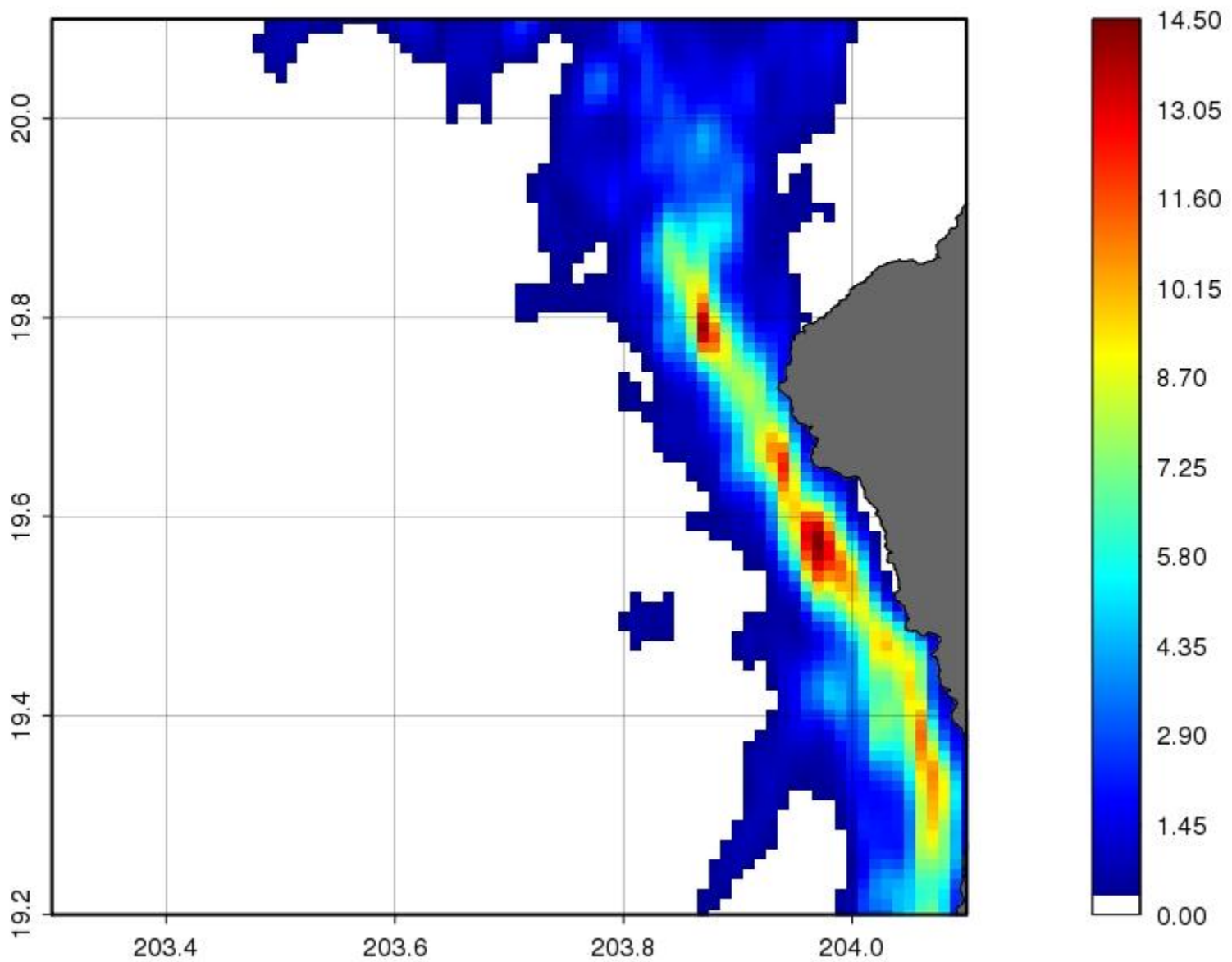


variable	deviance explained
bathymetry	17.0%
Temperature at 500m	9.1%
Vertical velocity at 200m	2.2%
Total	28.3%

Pilot whales - 2011 - predicted density based on GAMM
 $Z2 \sim s(\text{bathy}) + s(\text{Temp 500m}) + s(\text{W200})$



Observed beaked whale density



Observed beaked whale density - 2011

