

# Coastal wind relaxations cause SST anomalies to 1000 km offshore.

Flynn and Fewings poster

AMSR-E SST anomalies, mean of ~130 events

warming associated with  
Oregon wind relaxation

Dominant signal is cooling  
associated with intensified  
winds between relaxations

Advection of coastal water?  
No, too far from the coast.

Can wind-driven mixing &  
 $\Delta$  surface heat flux explain  
the SST anomaly,  
or is it upwelling from  
wind stress curl?

Does wind-SST coupling  
limit the response?

warming associated with  
Pt. C wind relaxation?  
time lag > 2 days but weak.

