

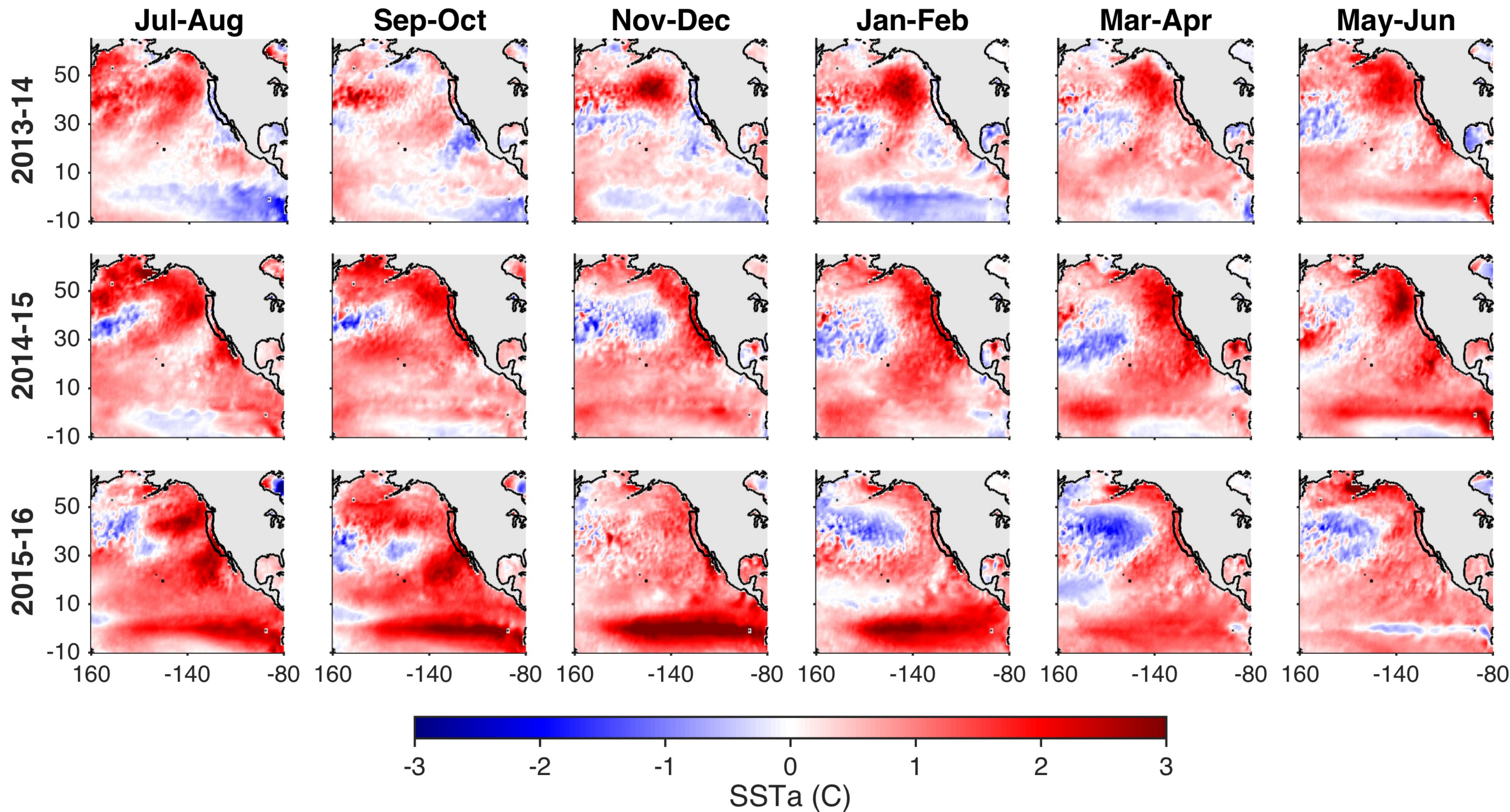
Predicting the Evolution of the 2014-16 California Current System Marine Heatwave from an Ensemble of Climate Forecasts

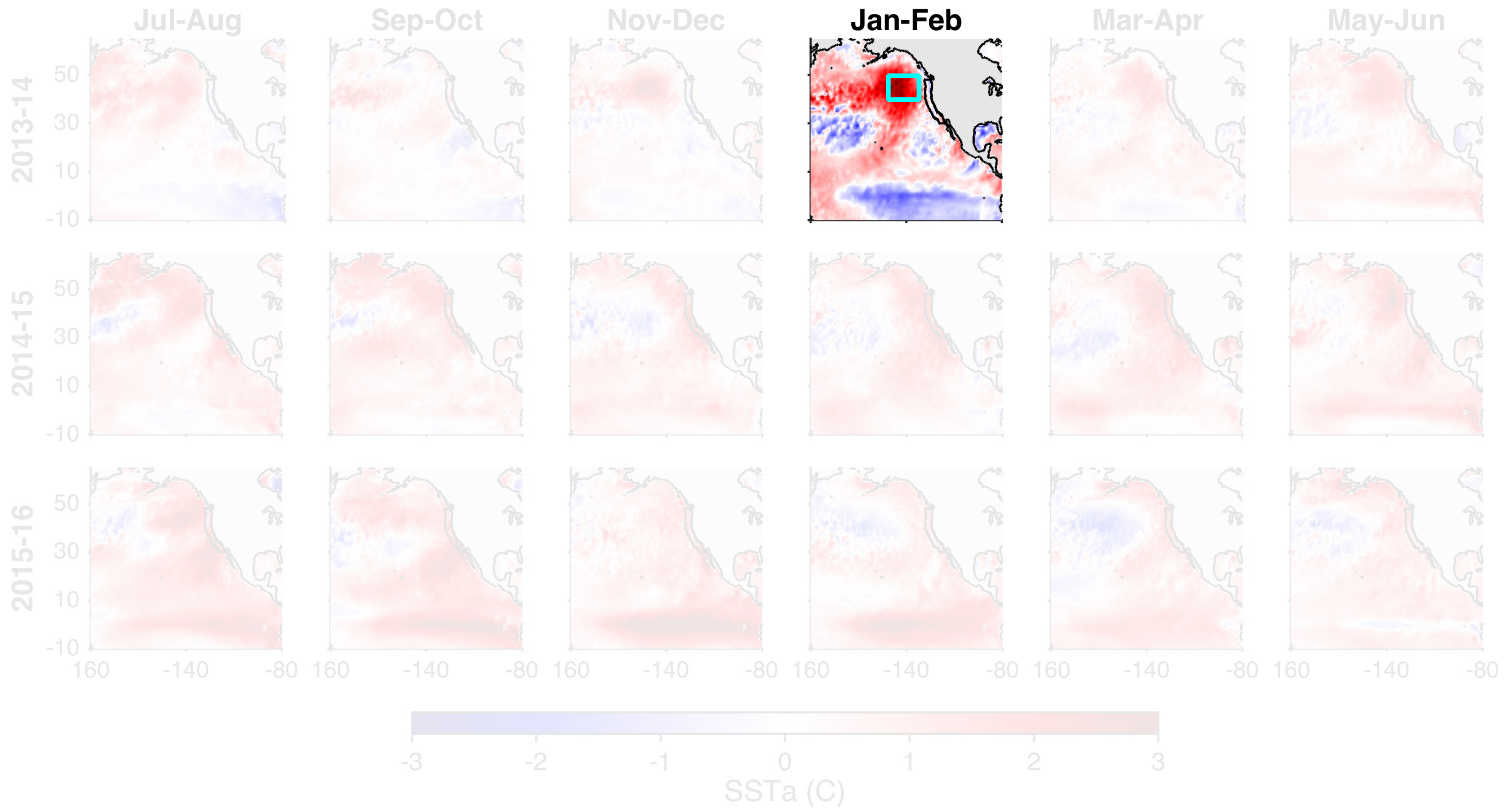
Mike Jacox

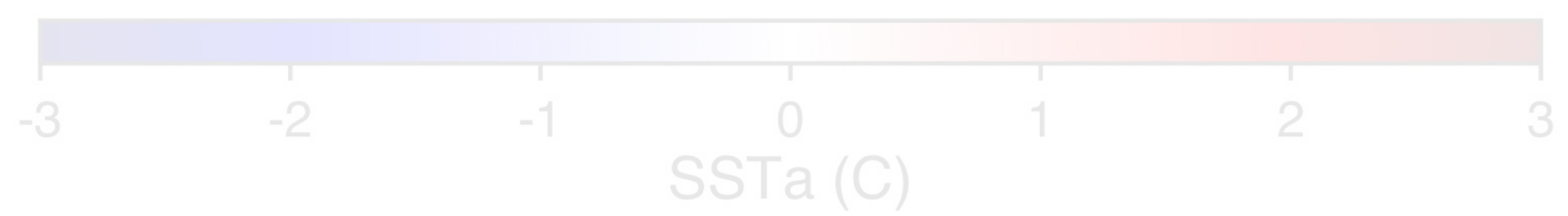
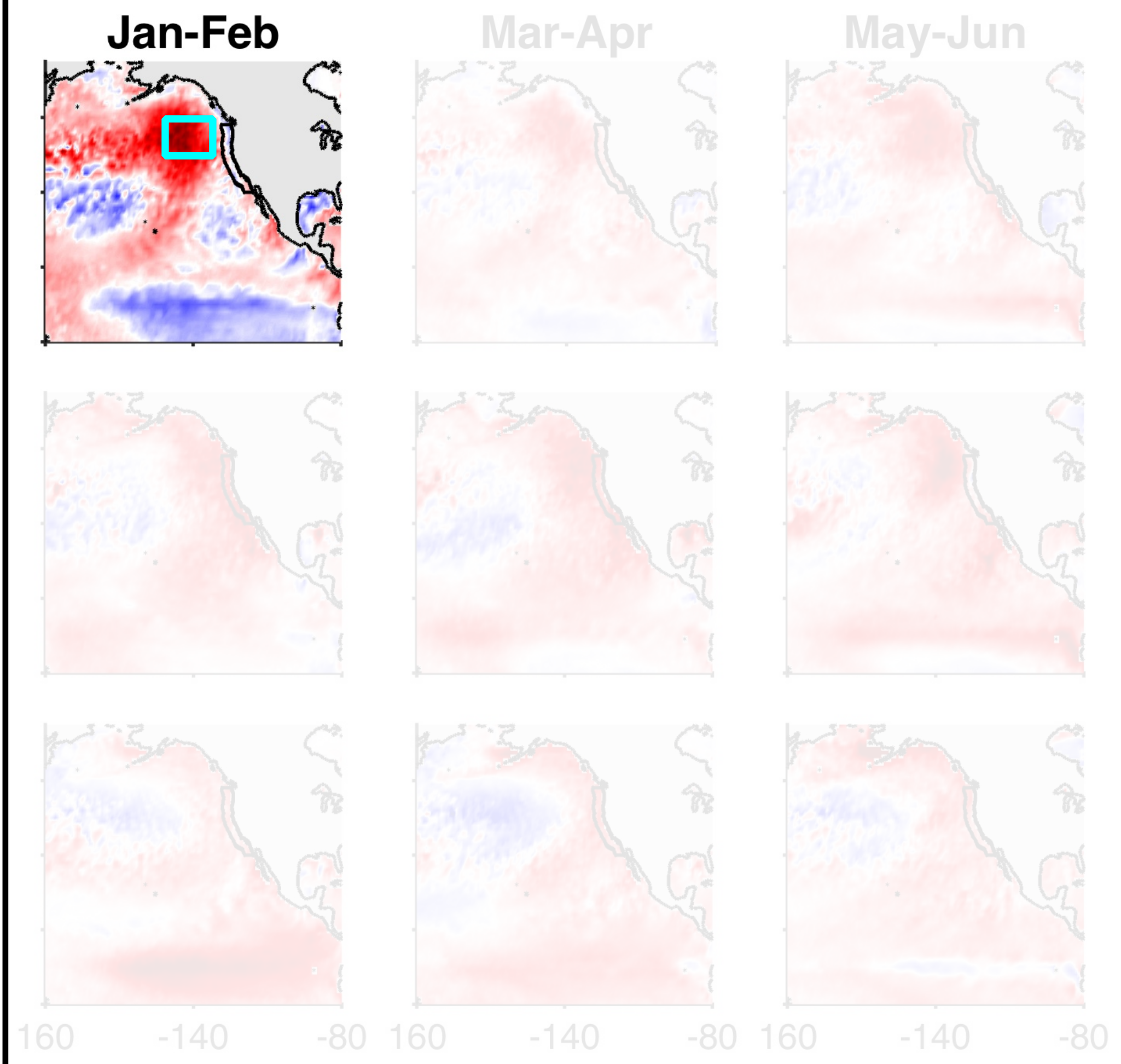
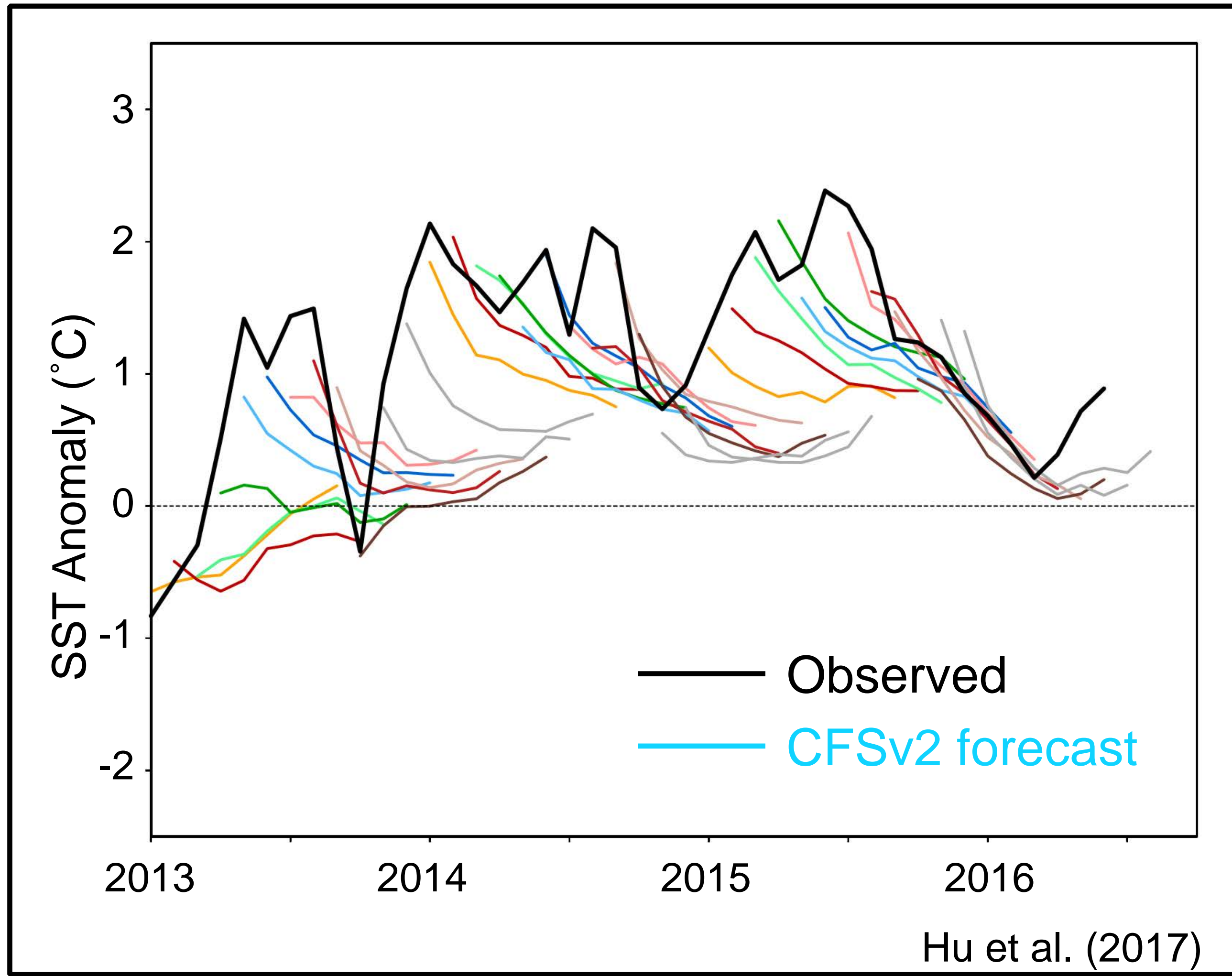
NOAA Southwest Fisheries Science Center
NOAA Earth System Research Laboratory

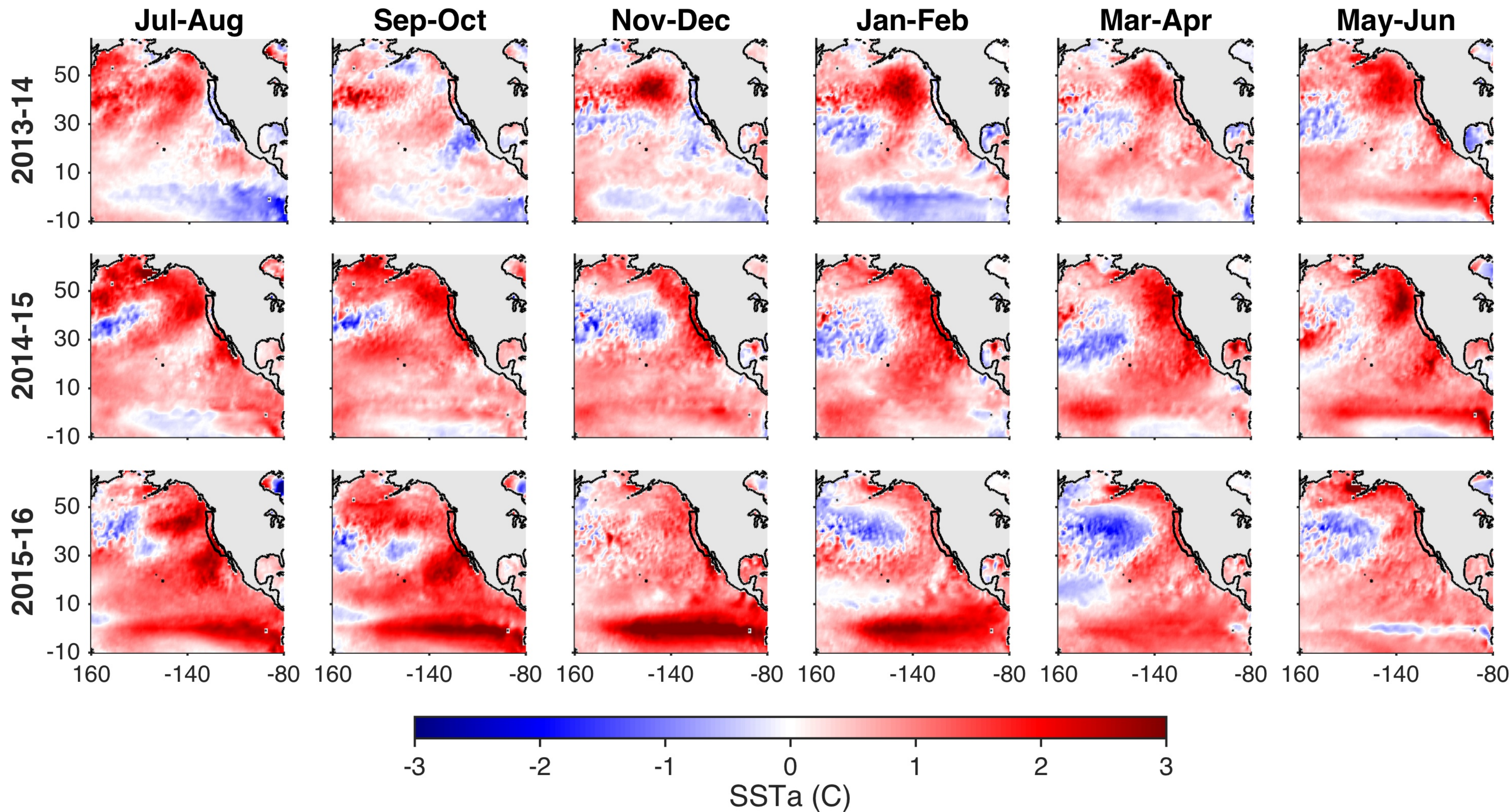
PICES Annual Meeting
October 22, 2019

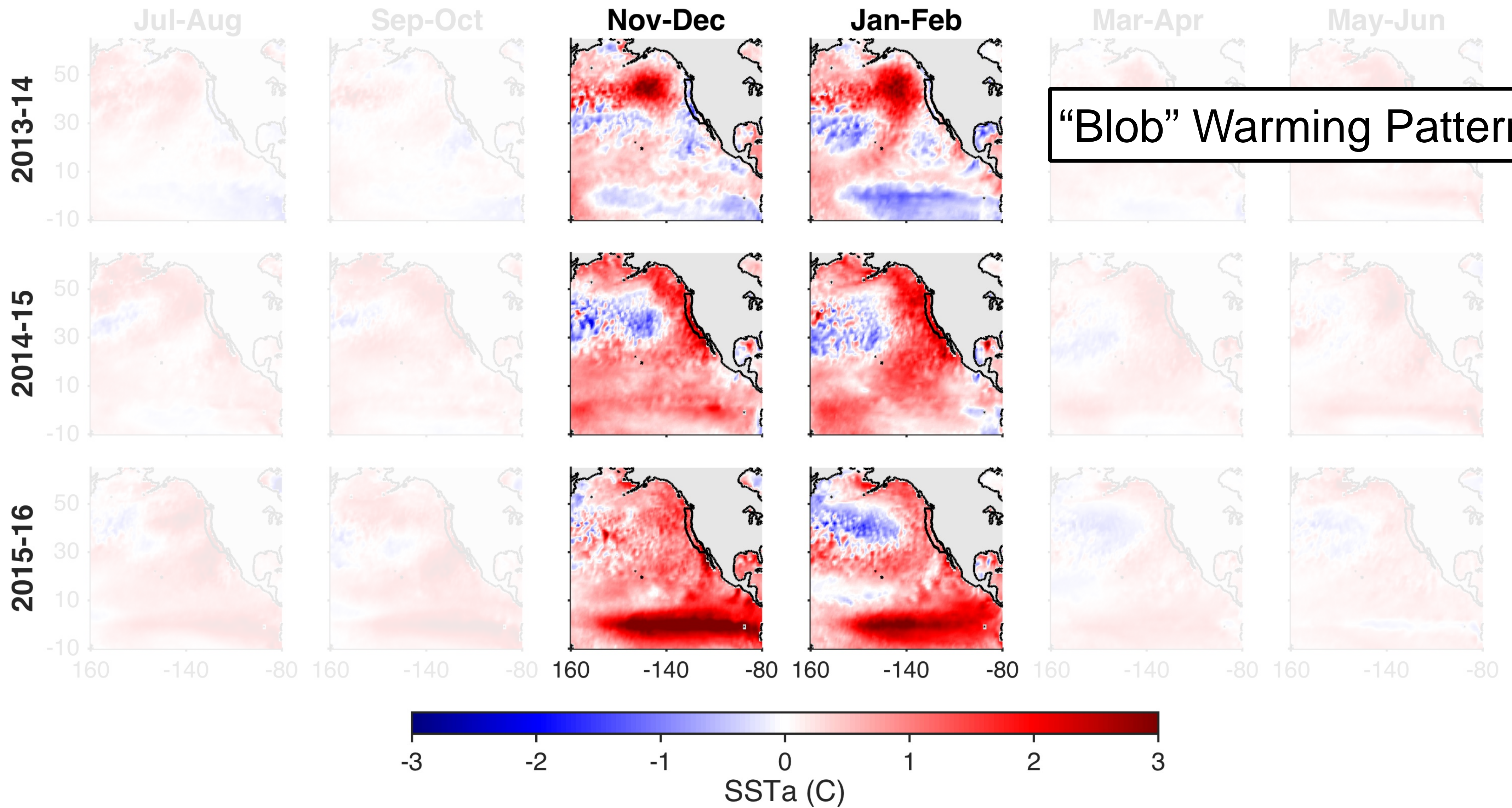


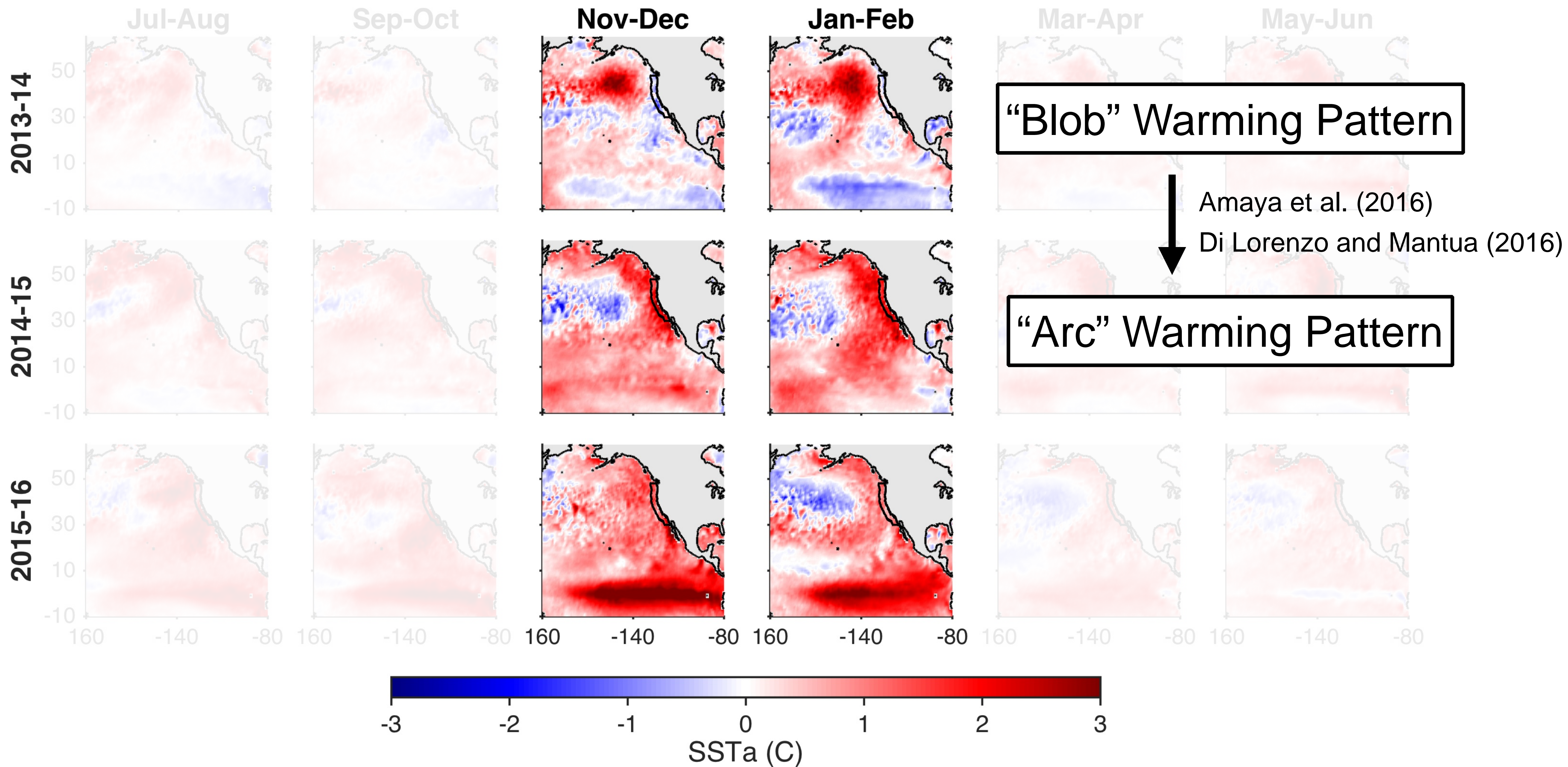


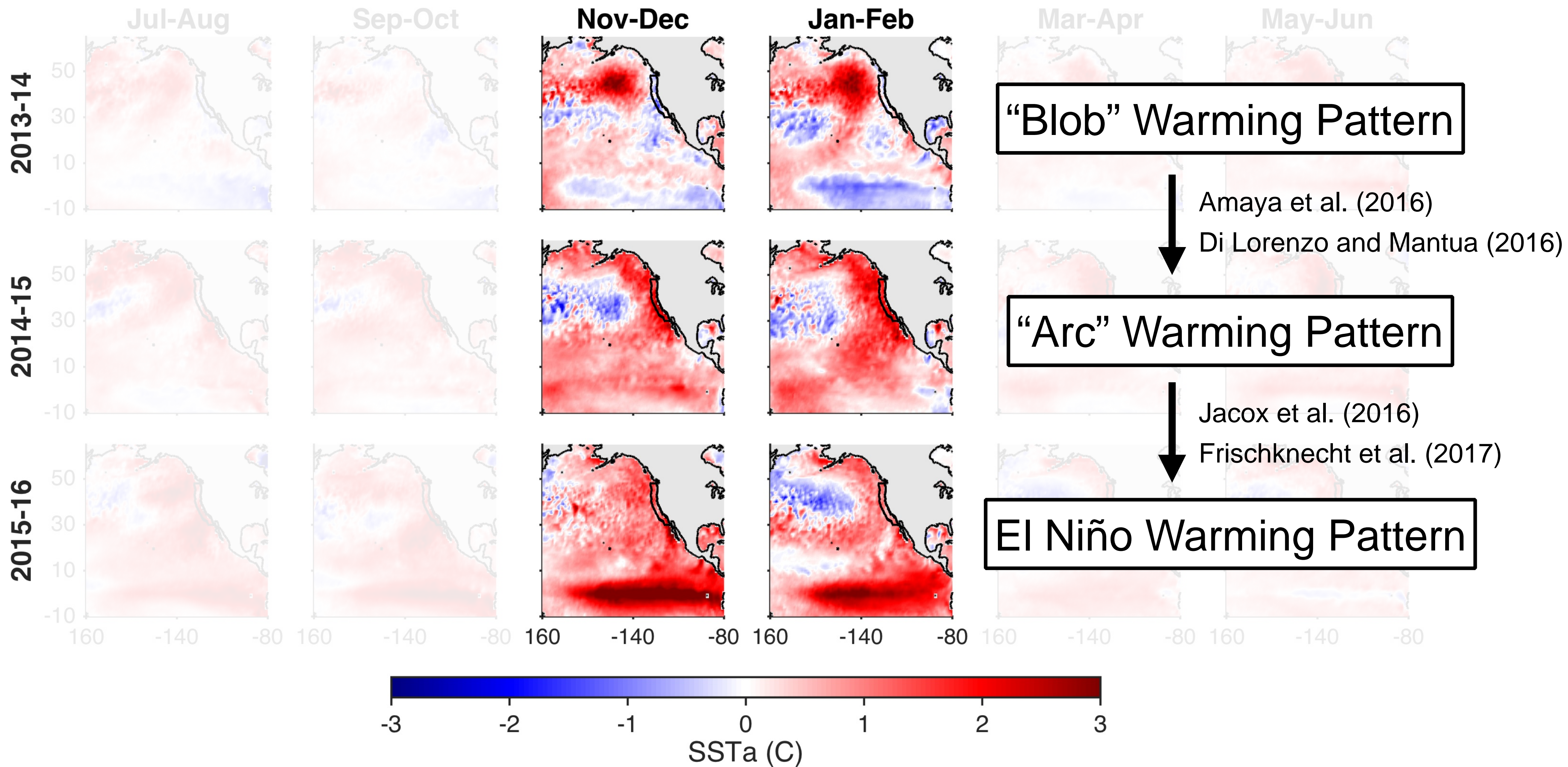


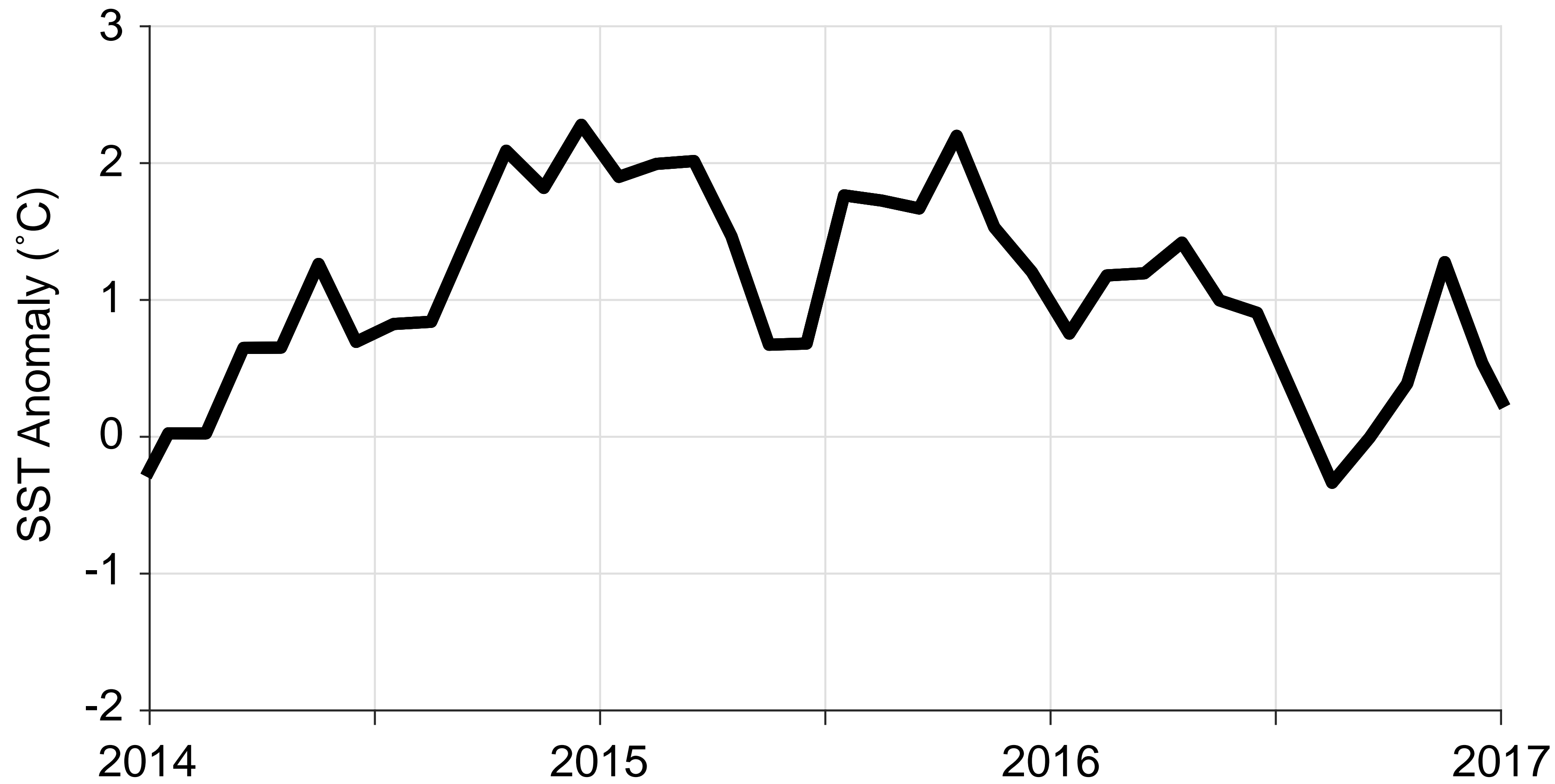




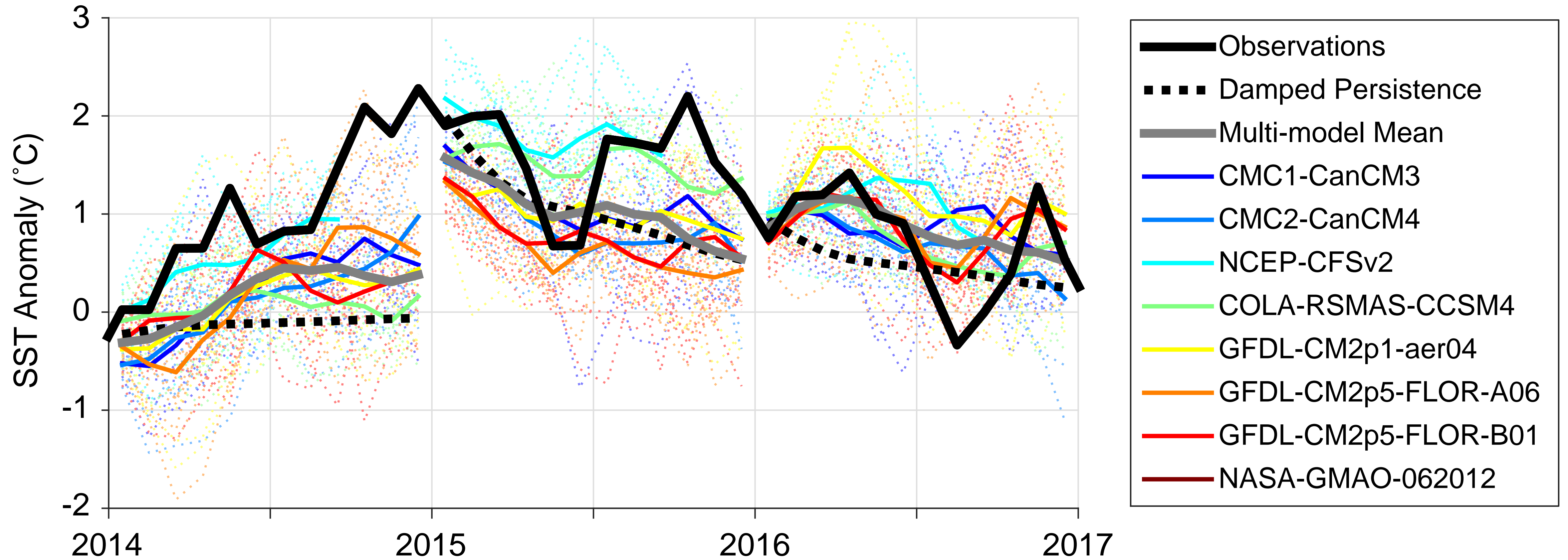




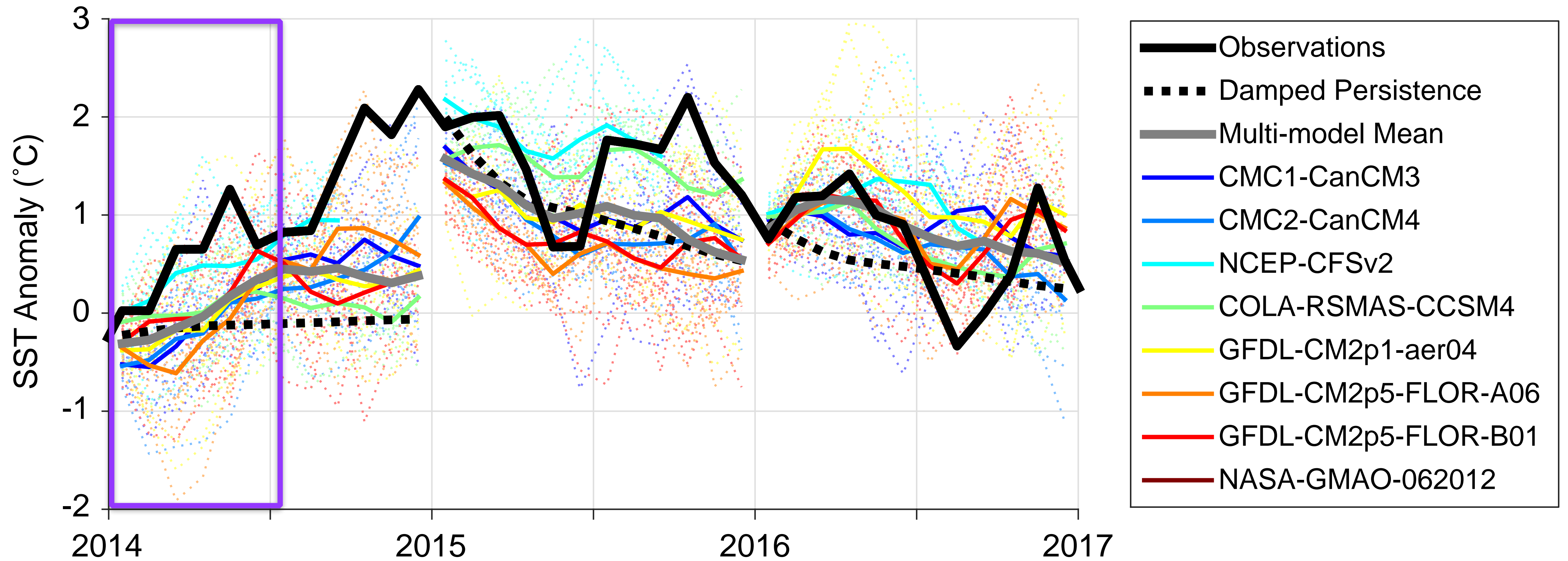




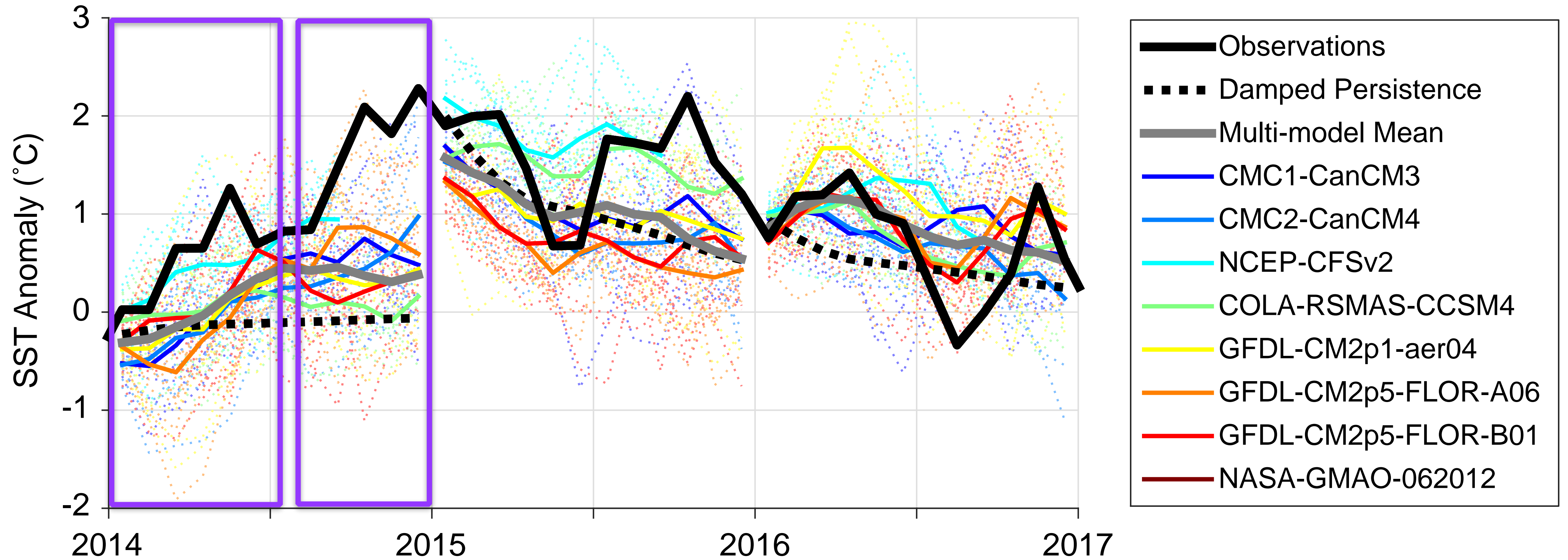
January Initialized Forecasts



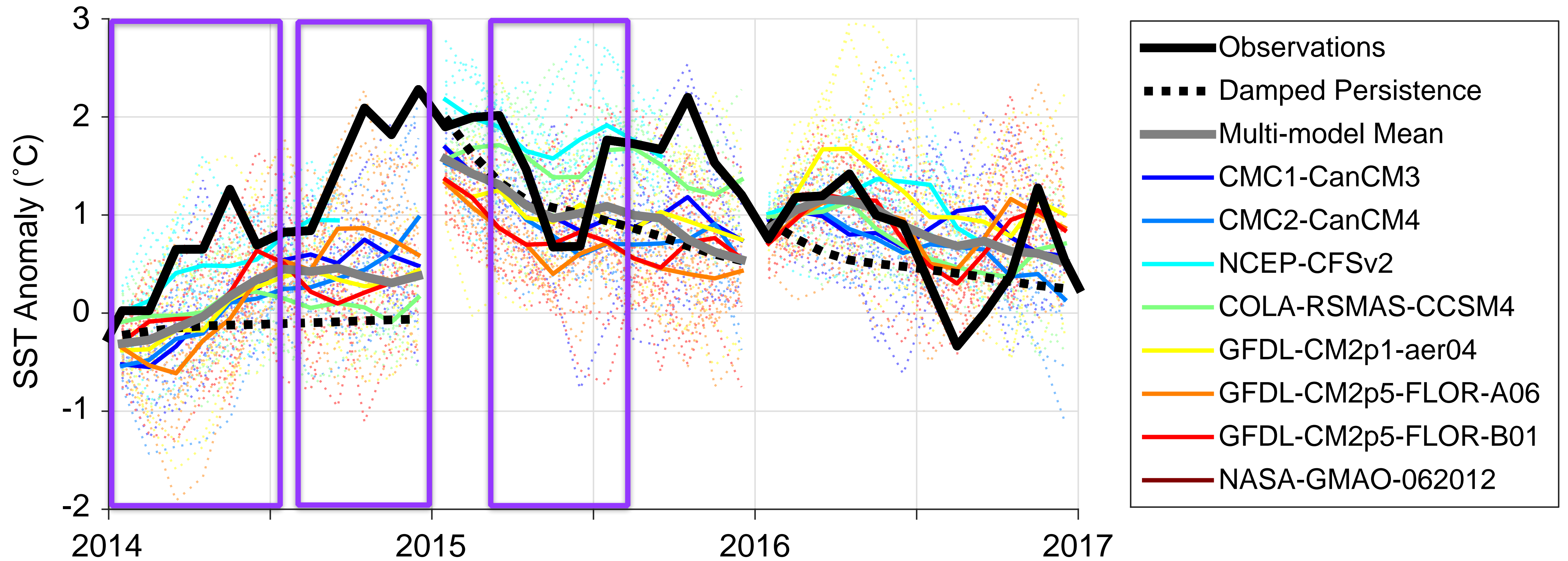
January Initialized Forecasts



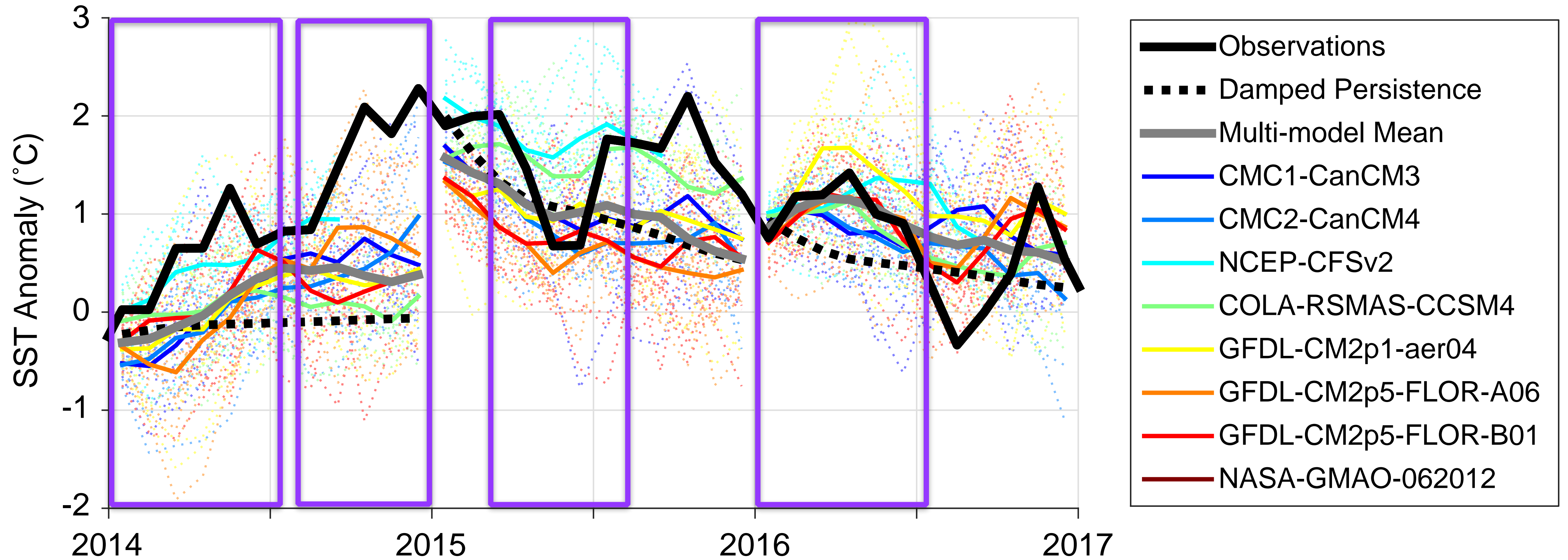
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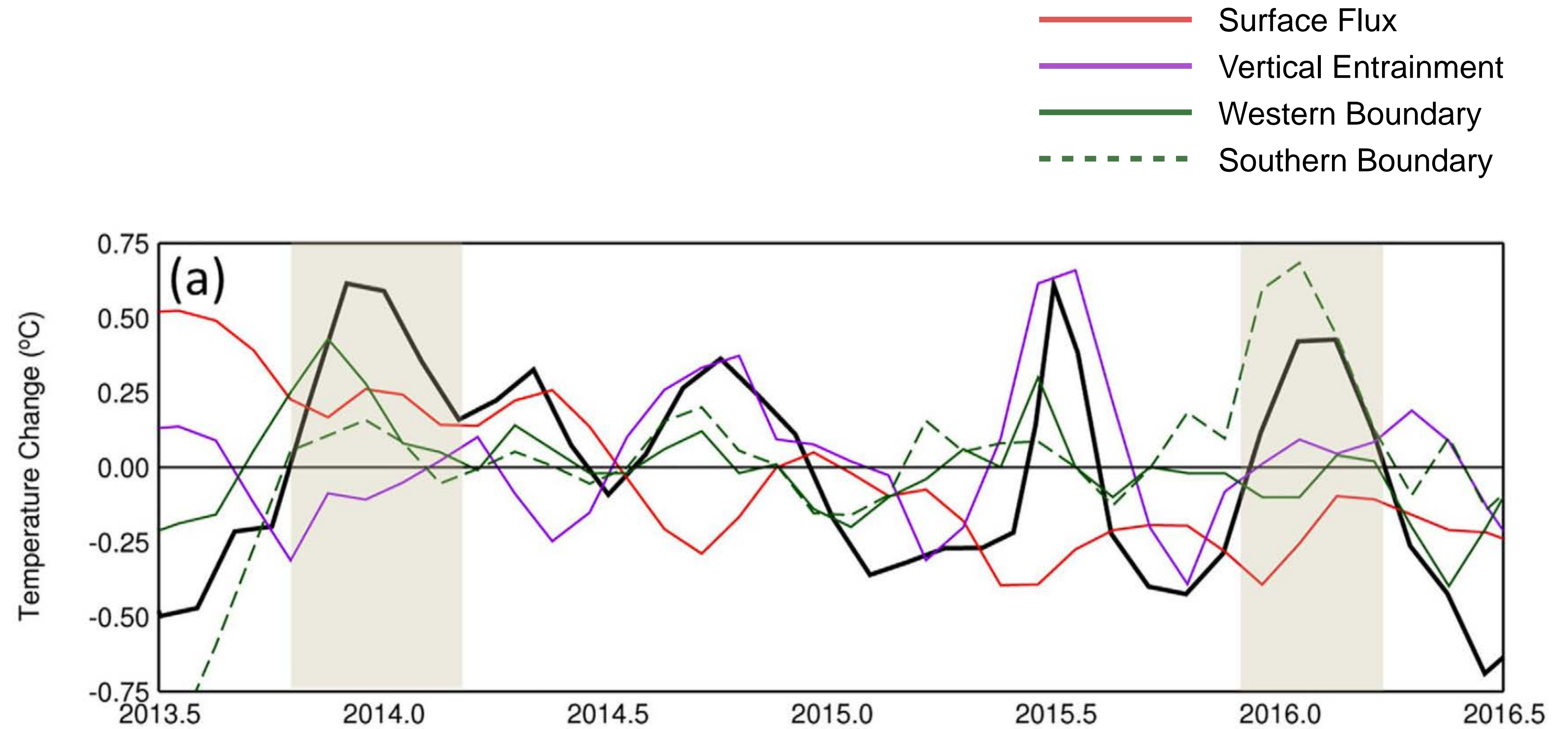
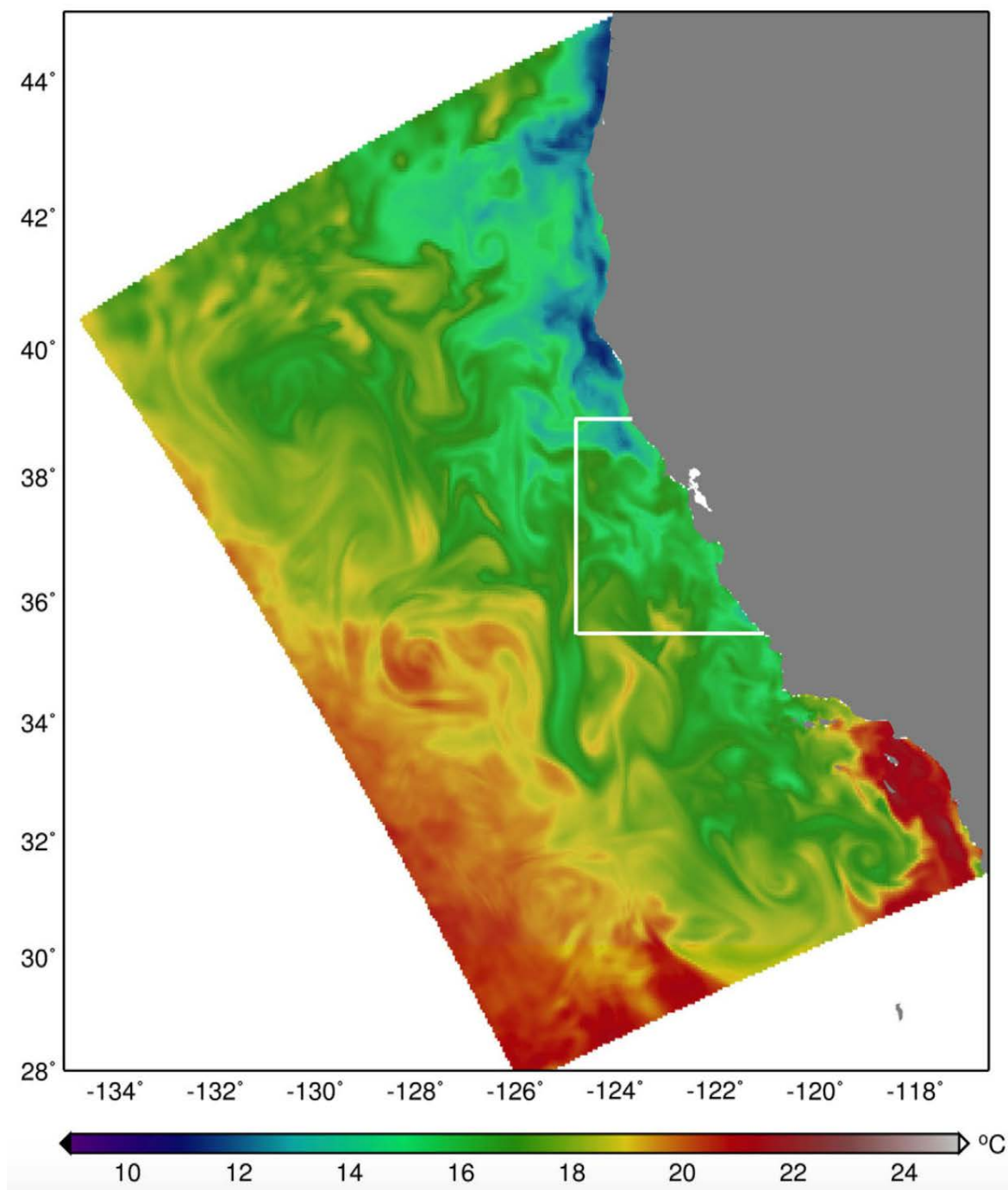


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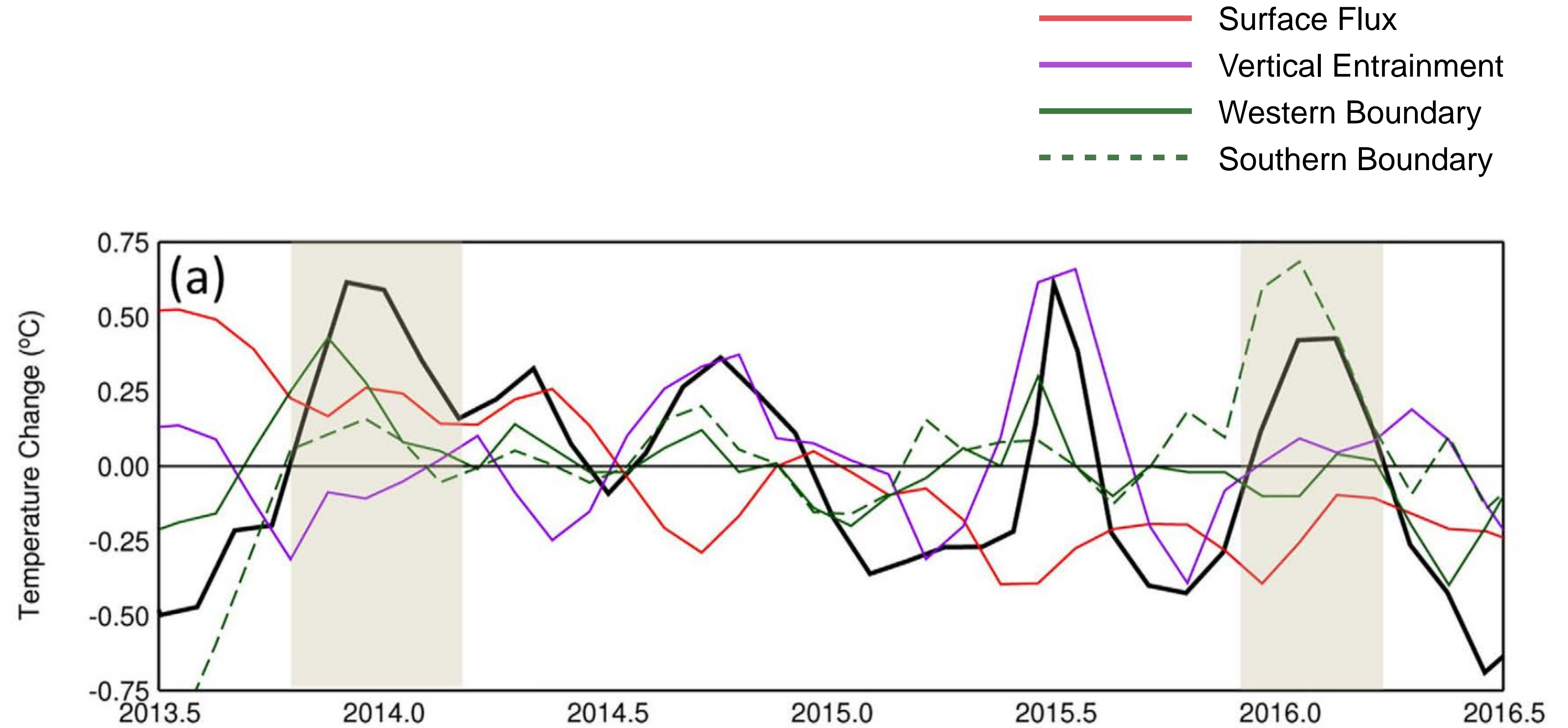
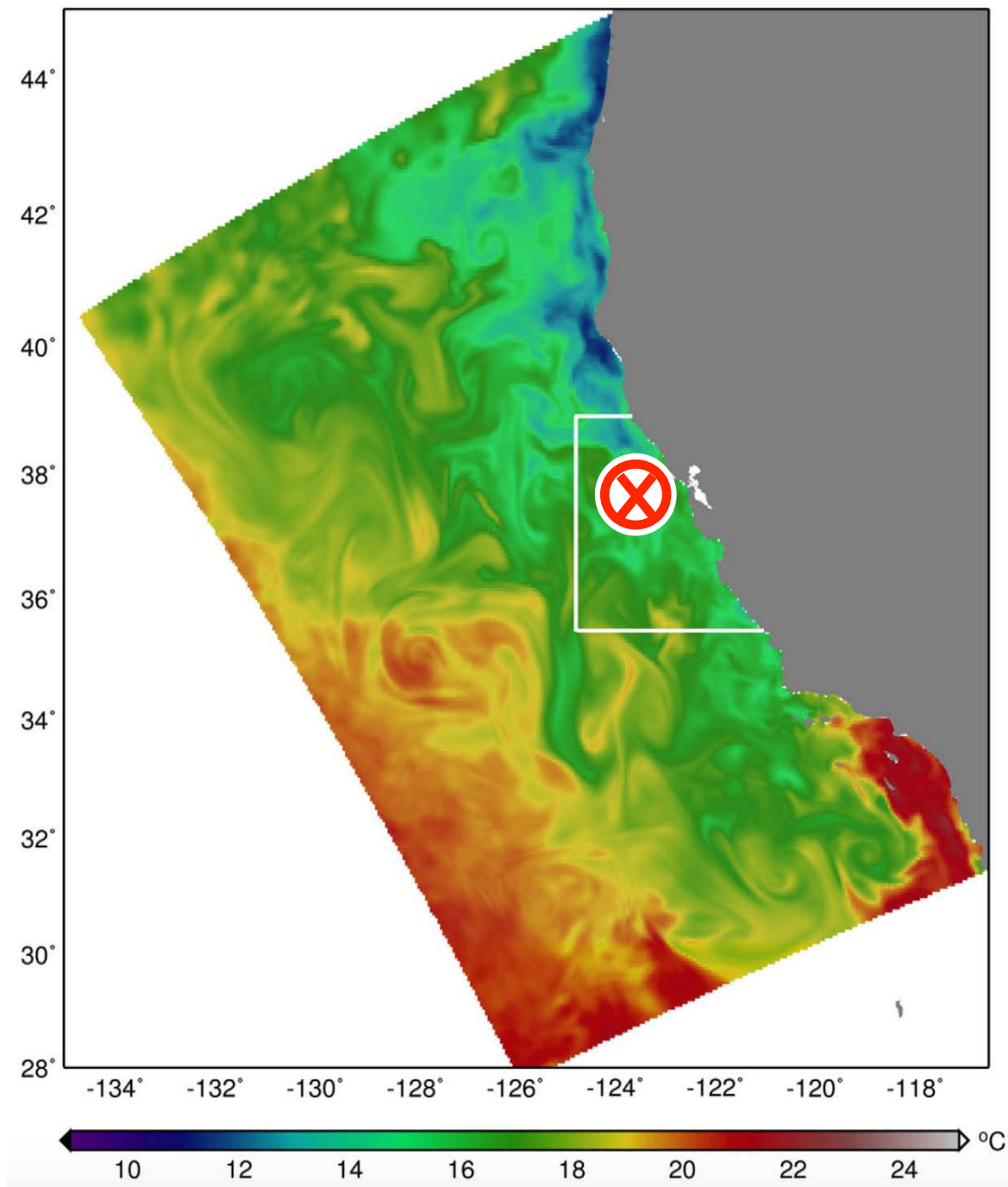


January Initialized Forecasts

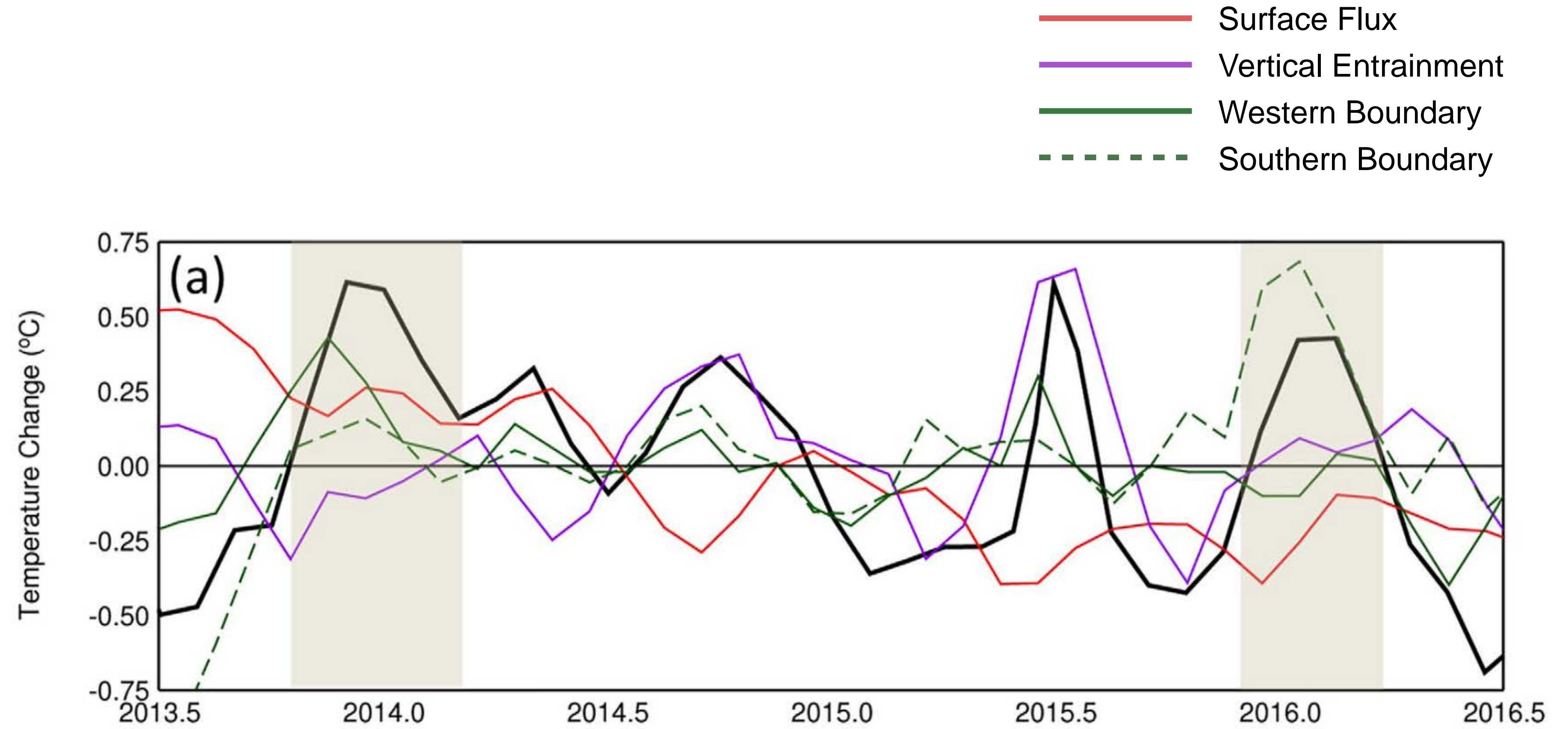
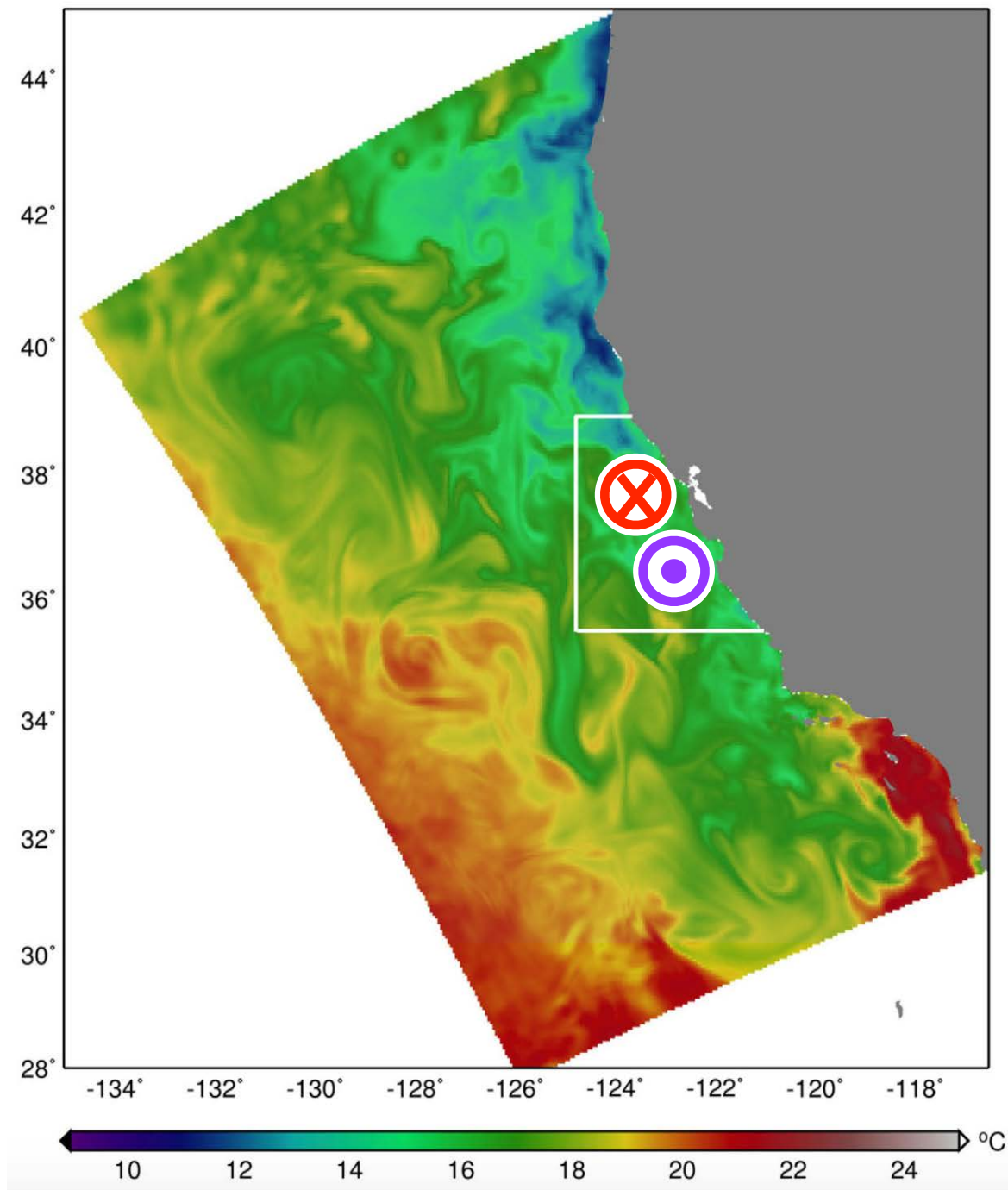




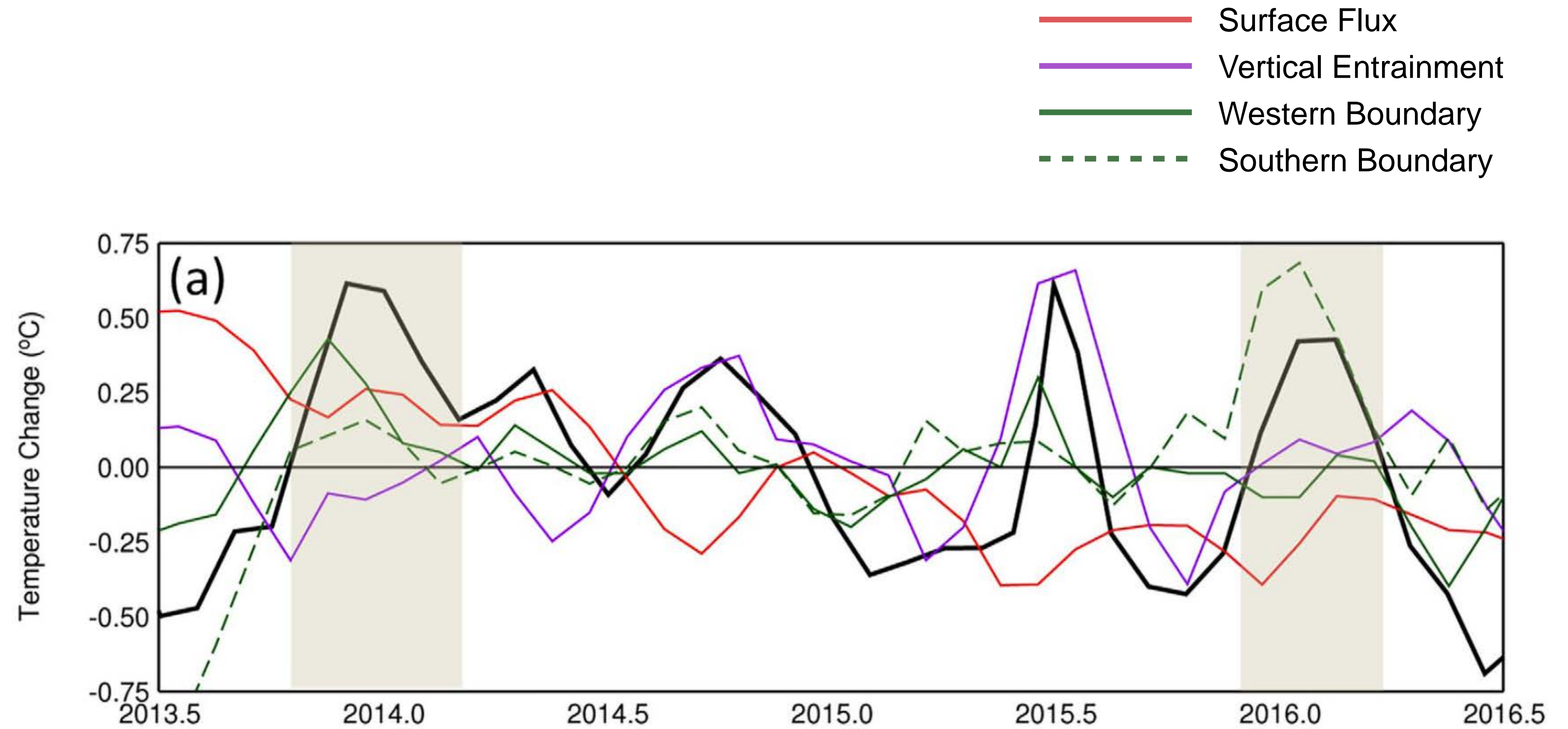
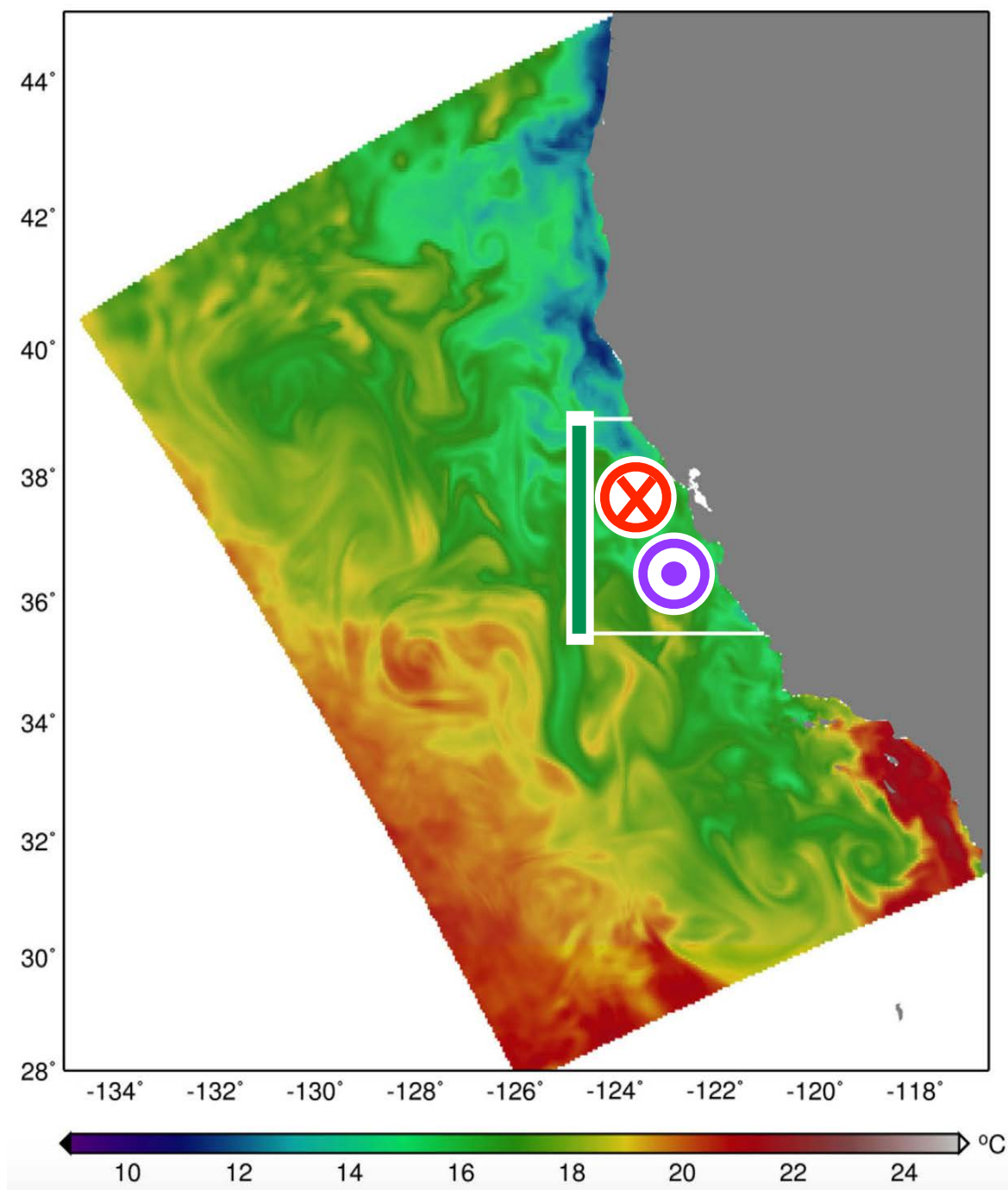
Chao et al., JGR (2017)



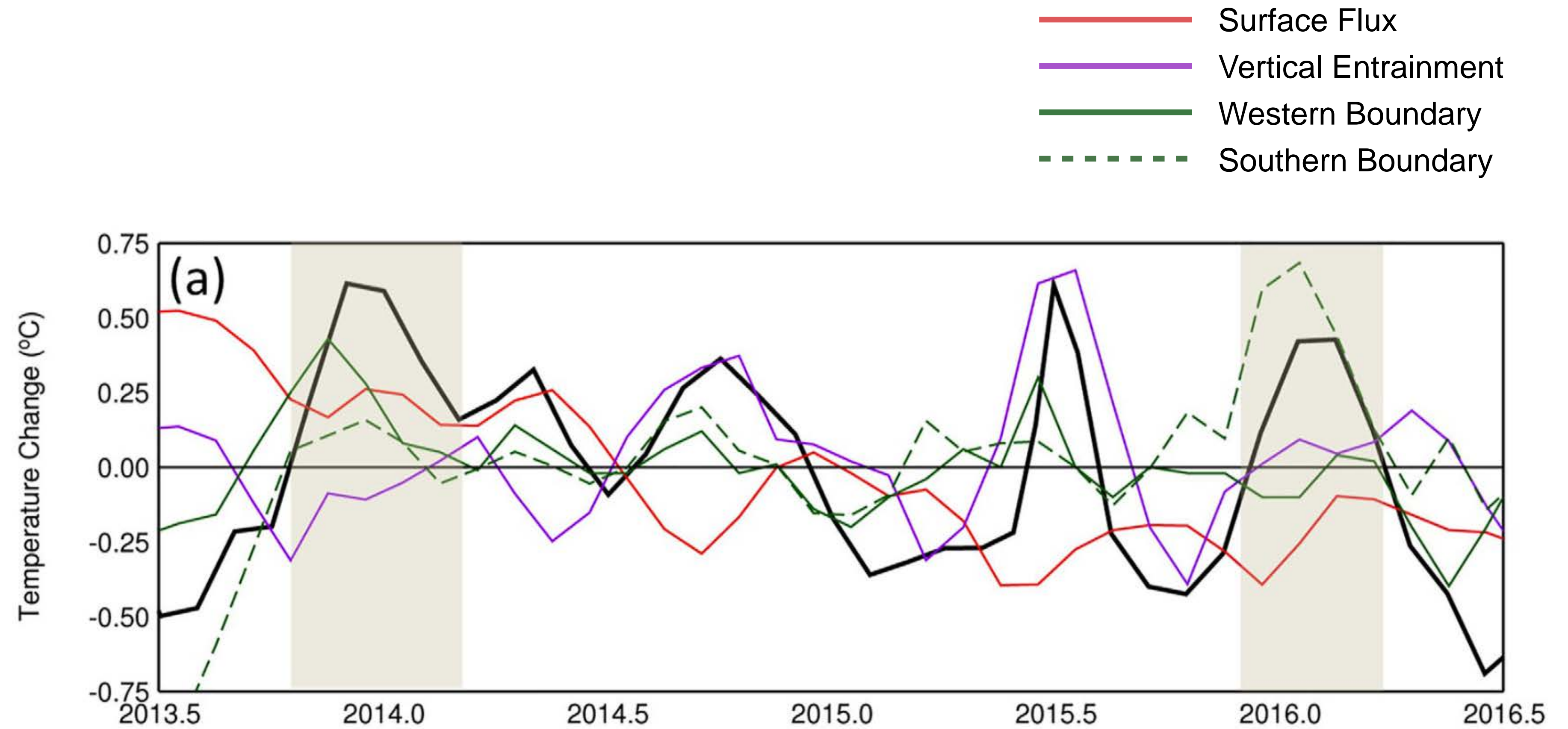
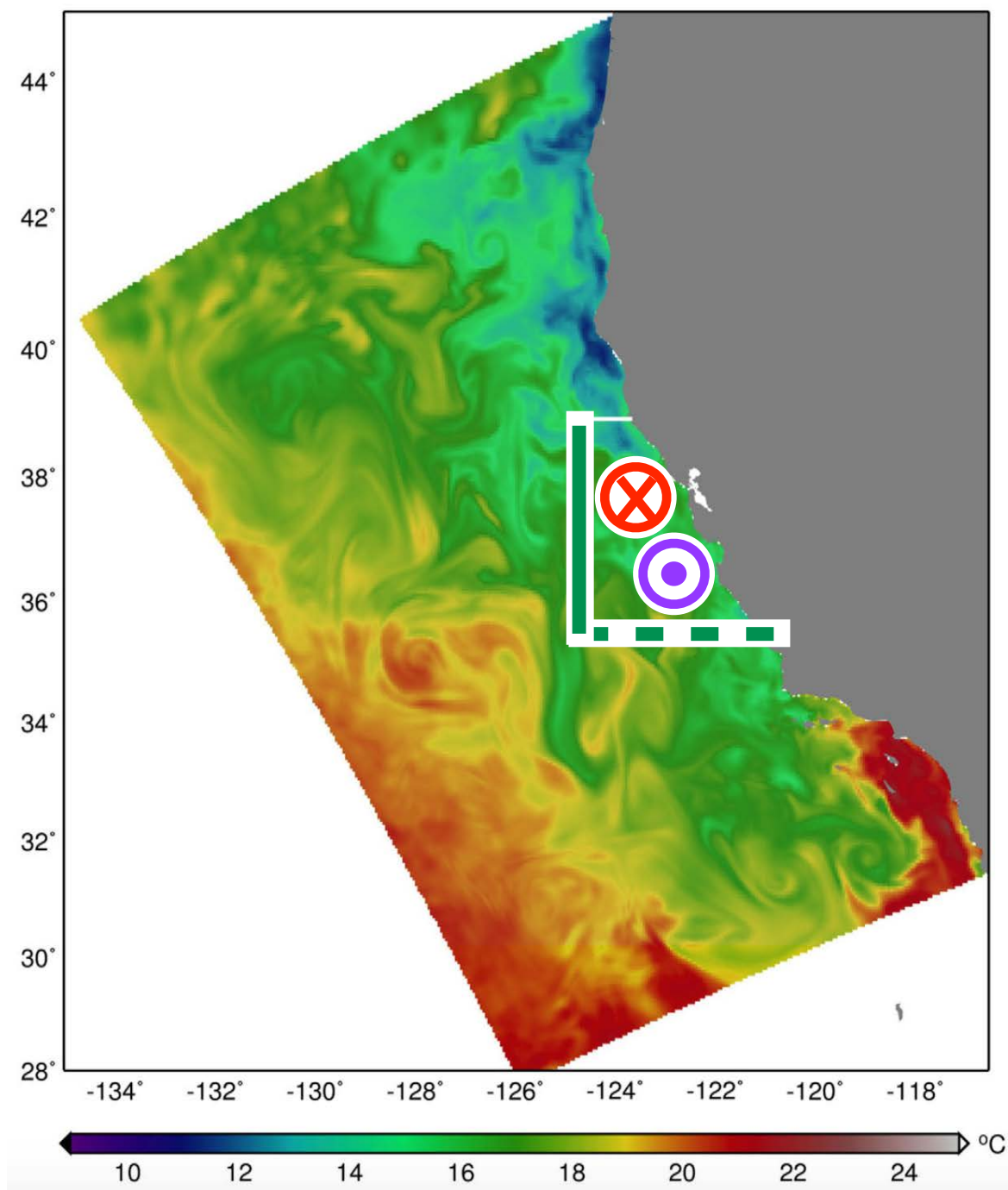
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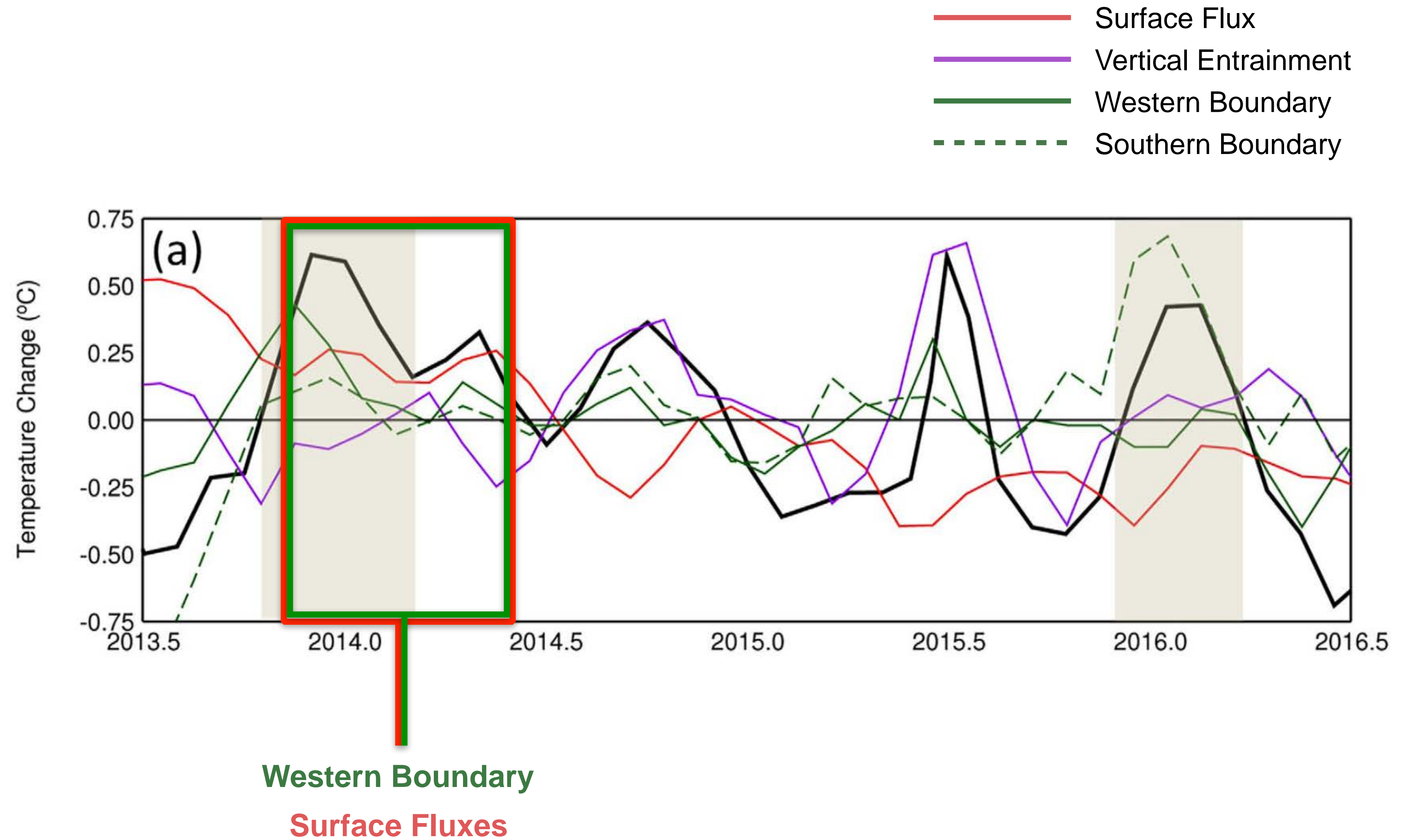
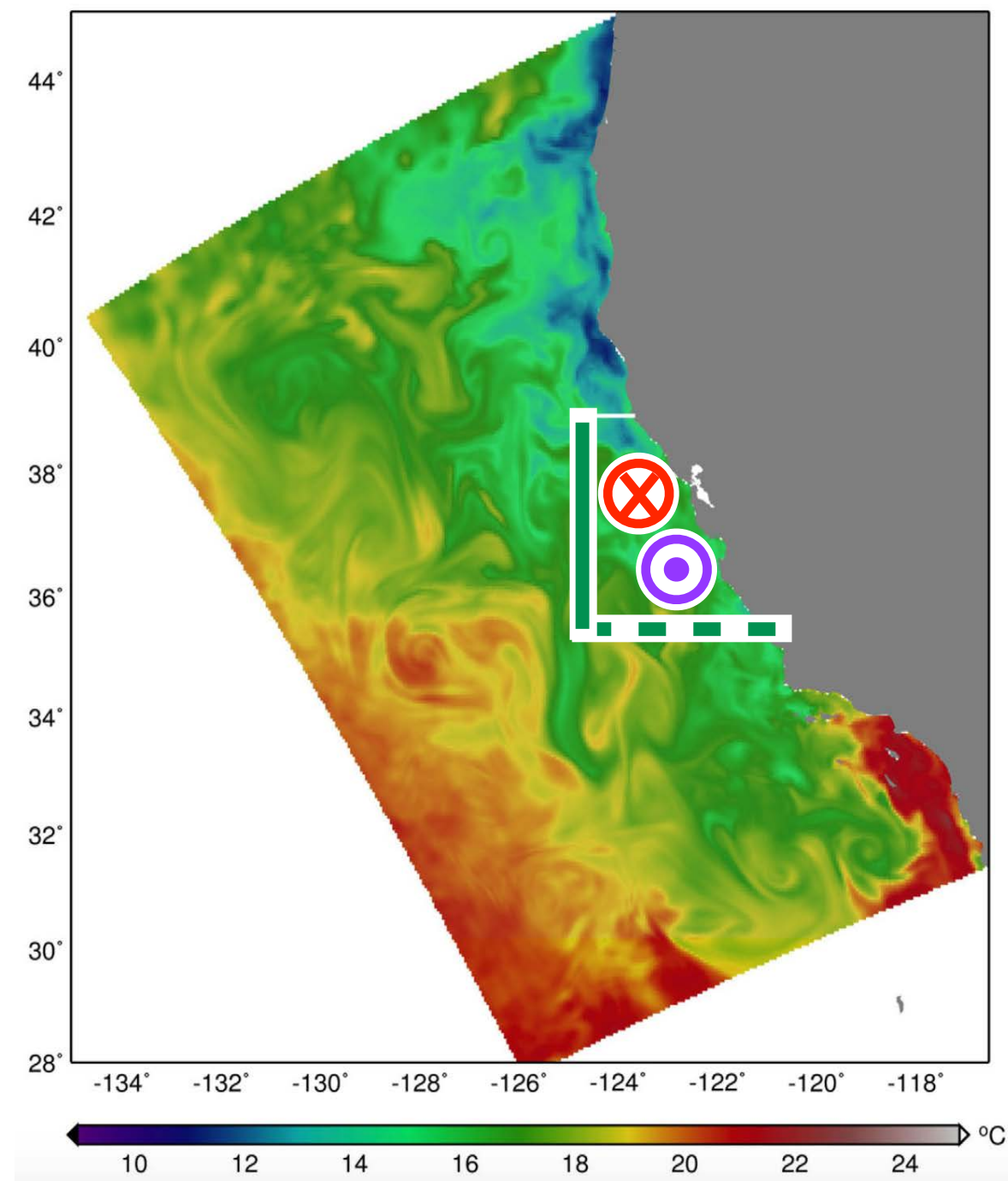
Chao et al., JGR (2017)



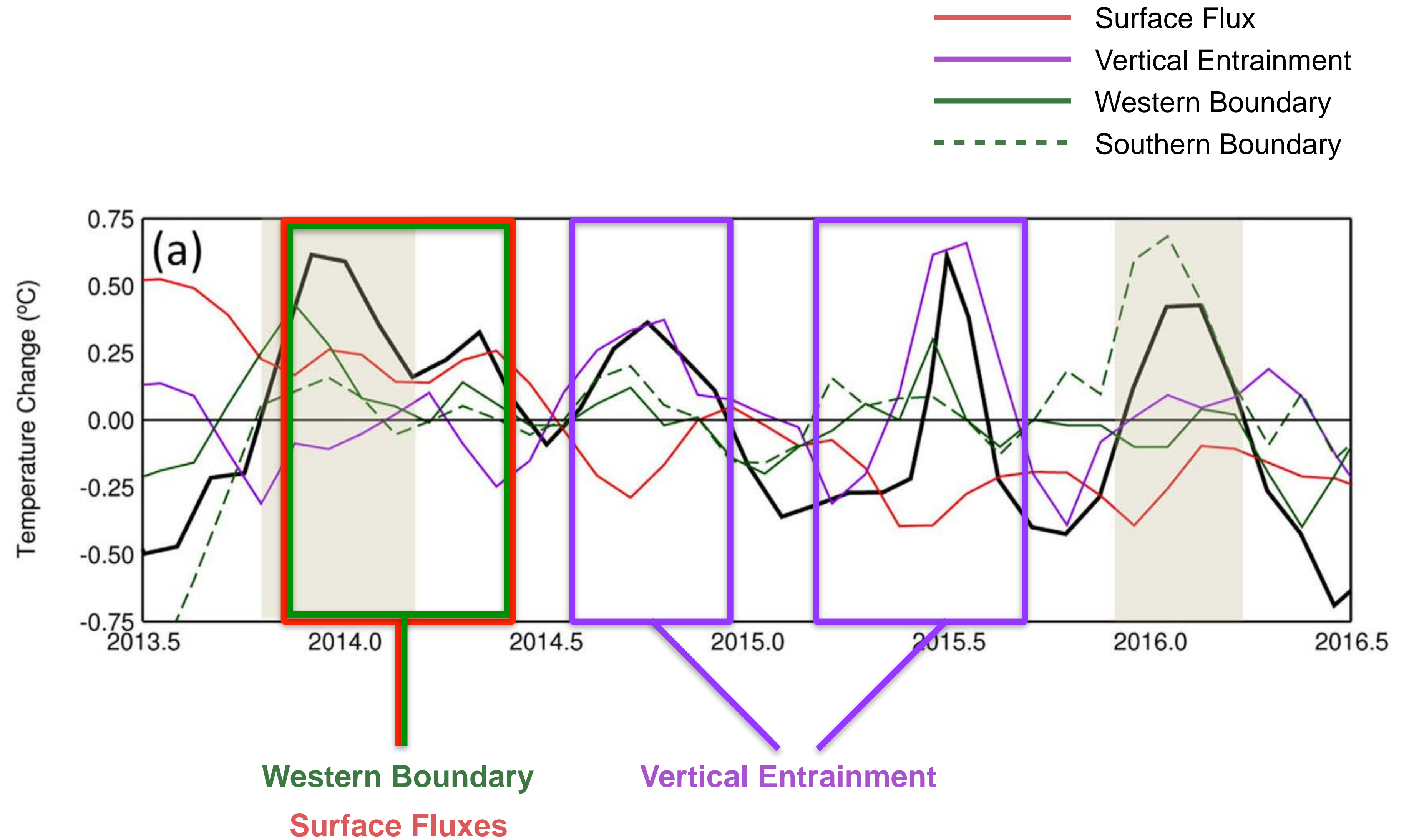
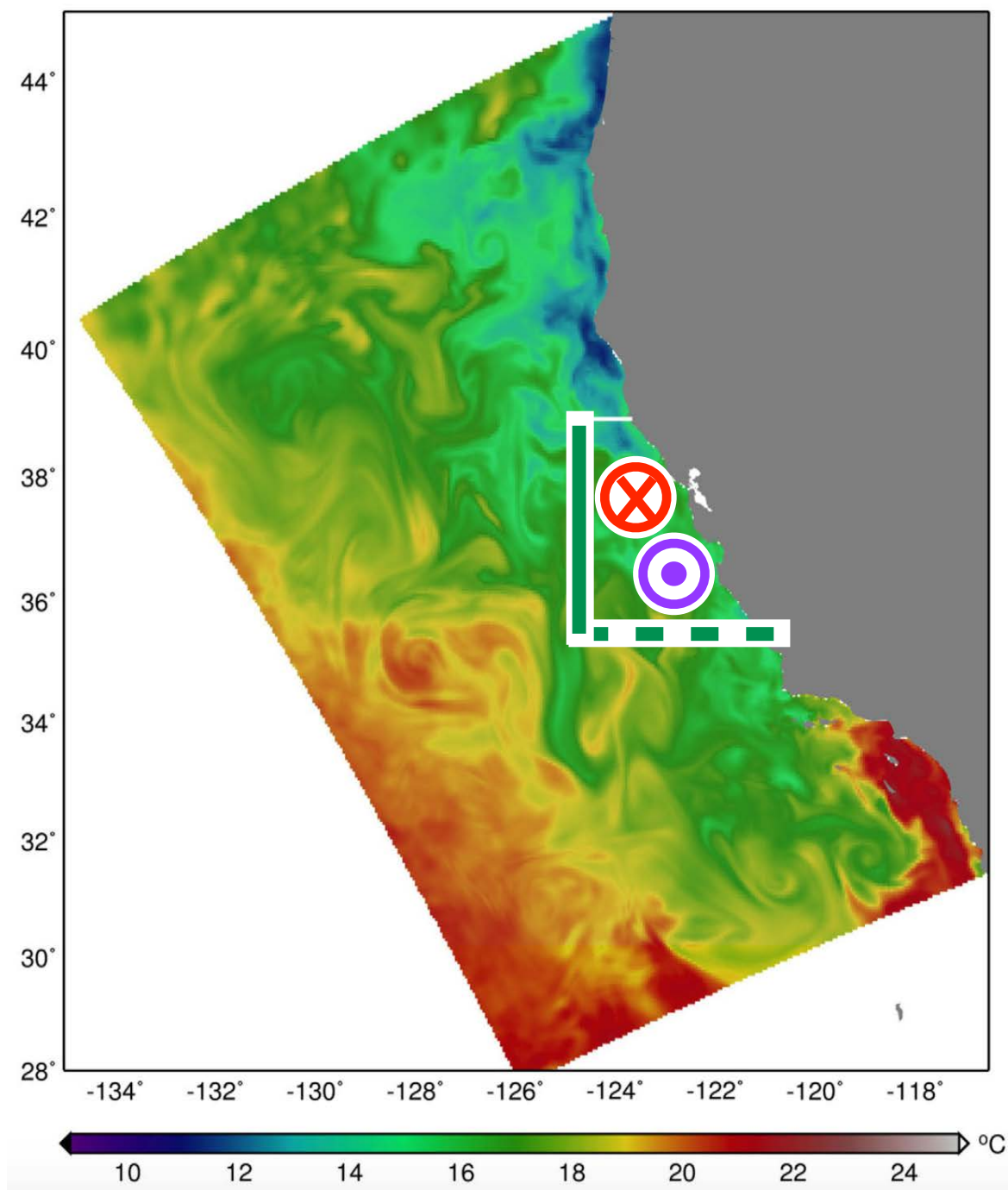
Chao et al., JGR (2017)



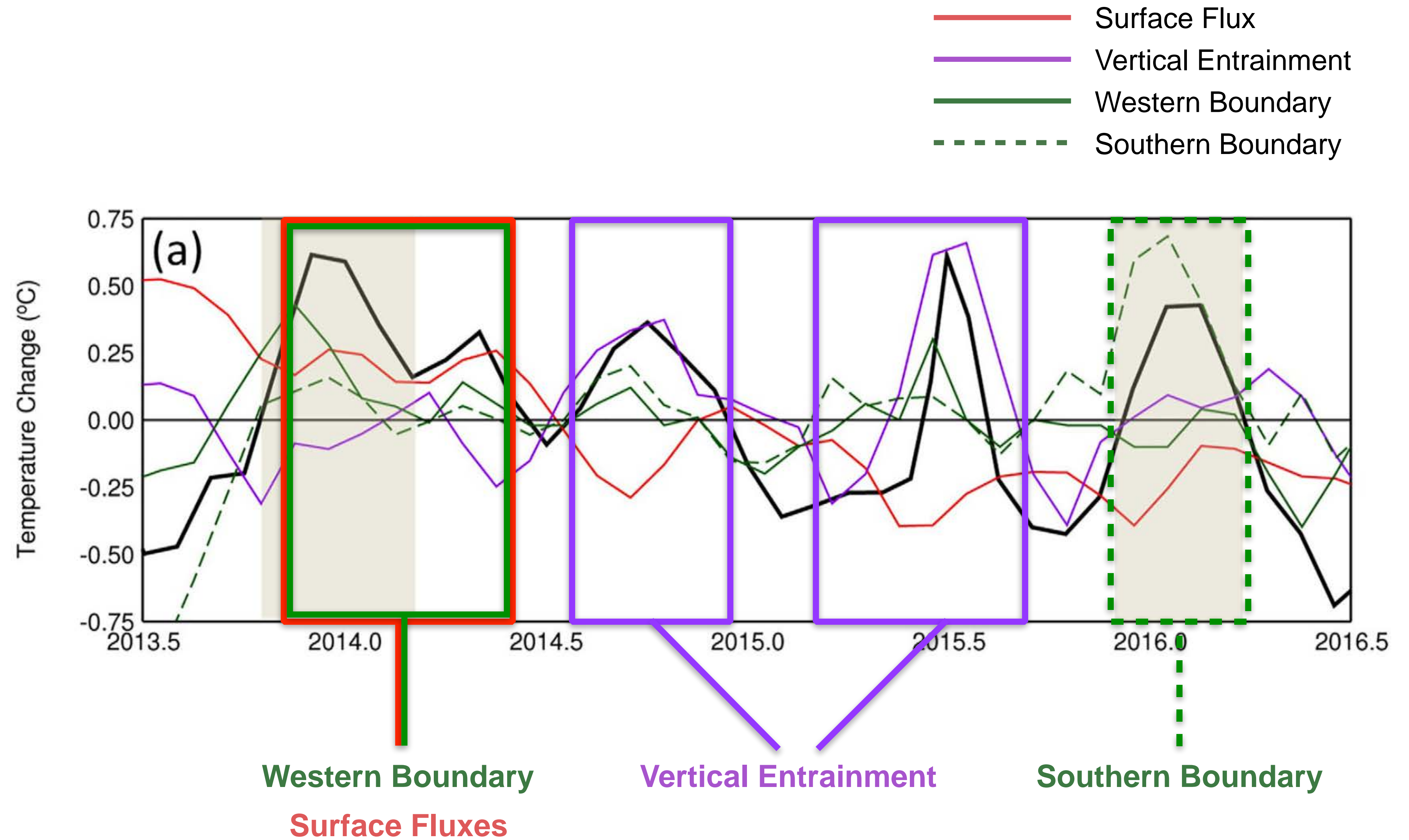
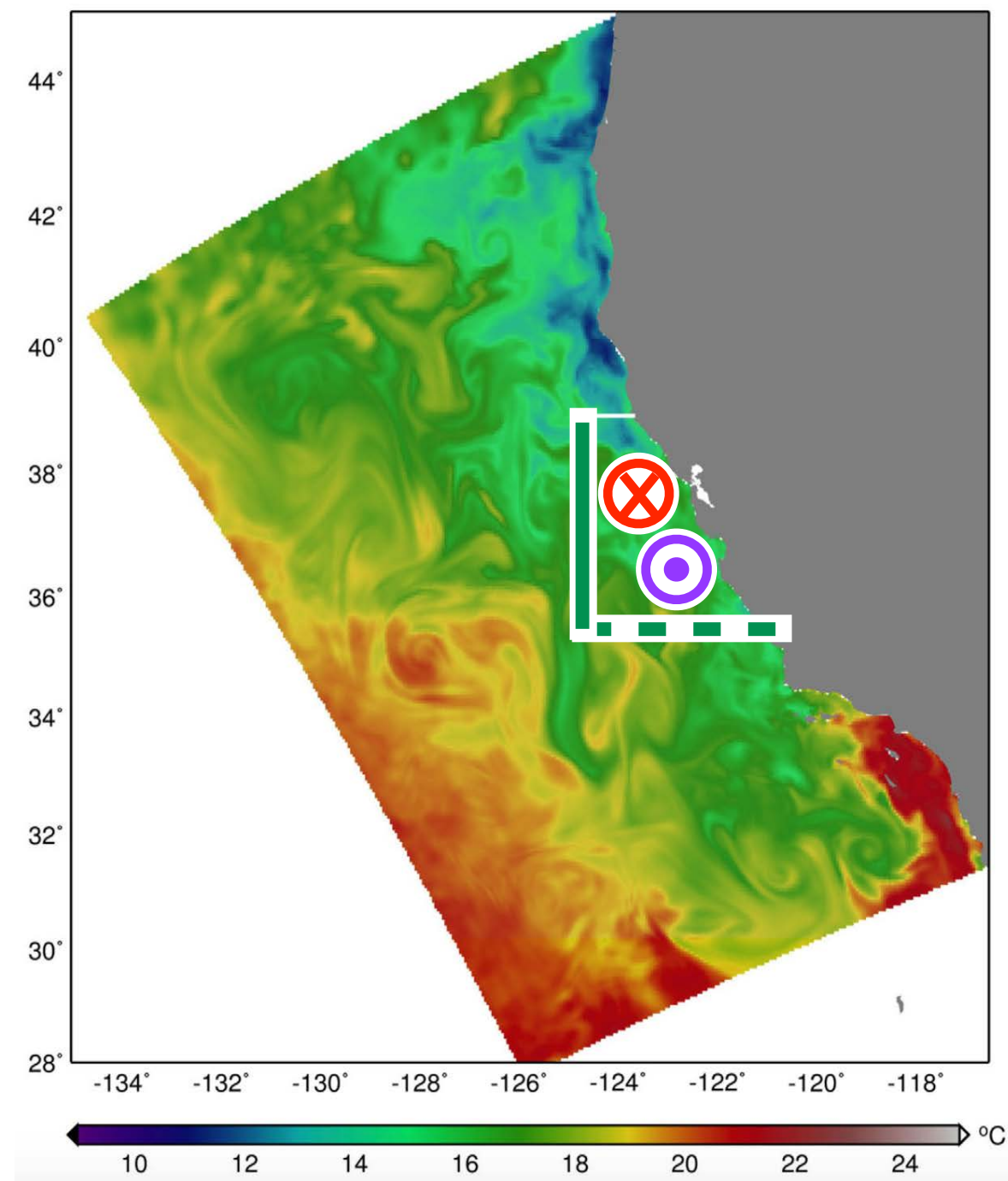
Chao et al., JGR (2017)



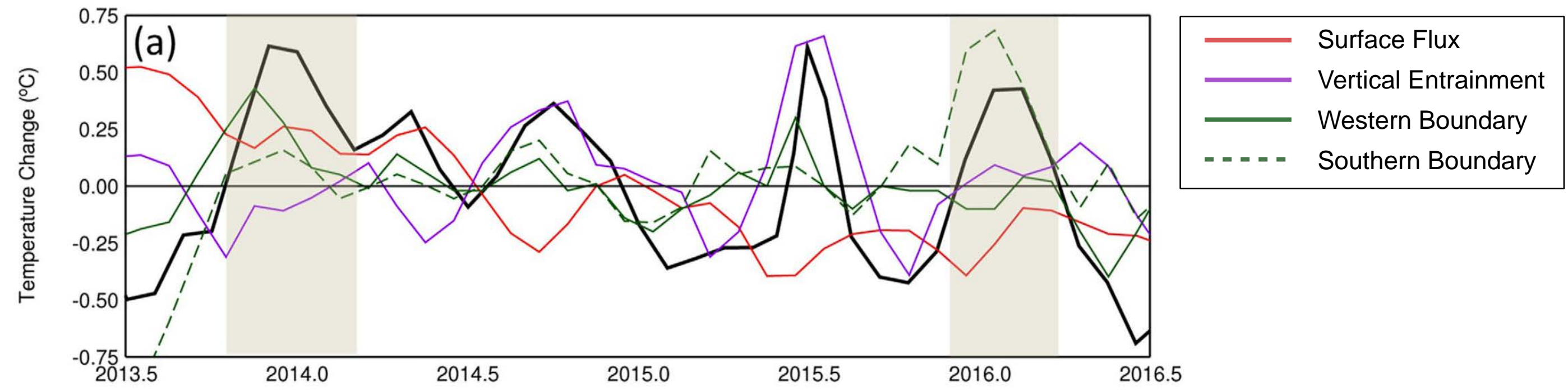
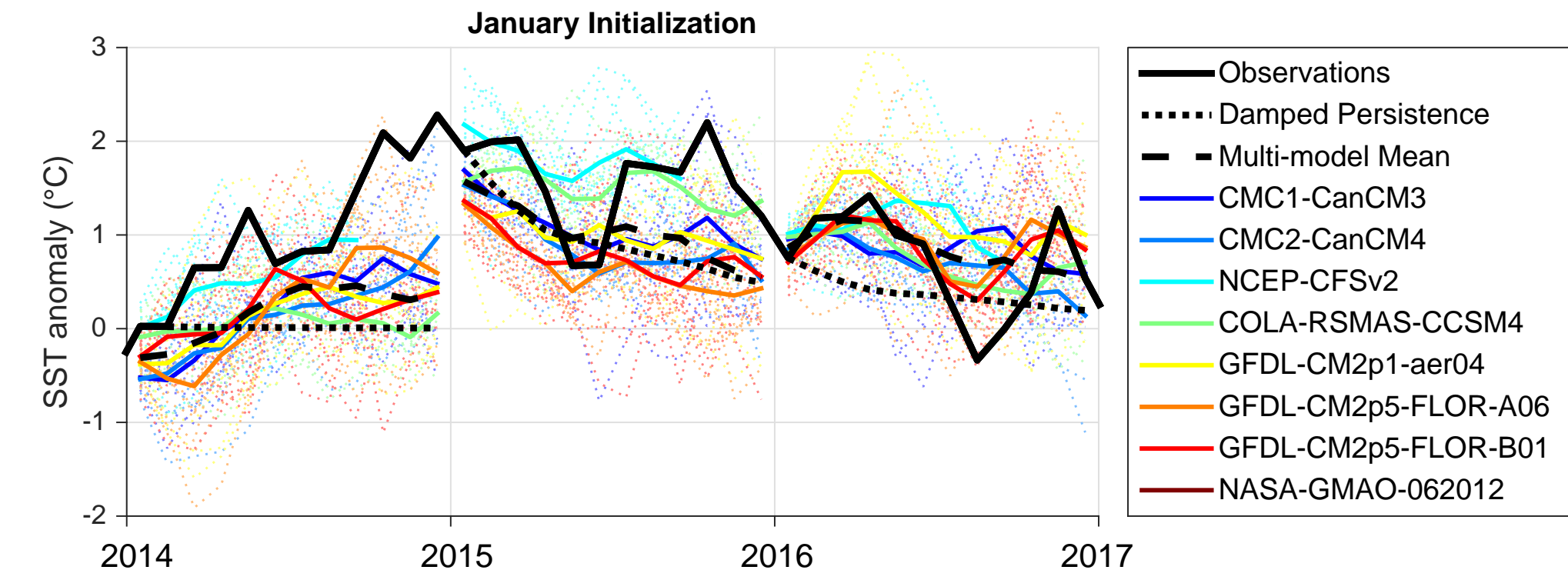
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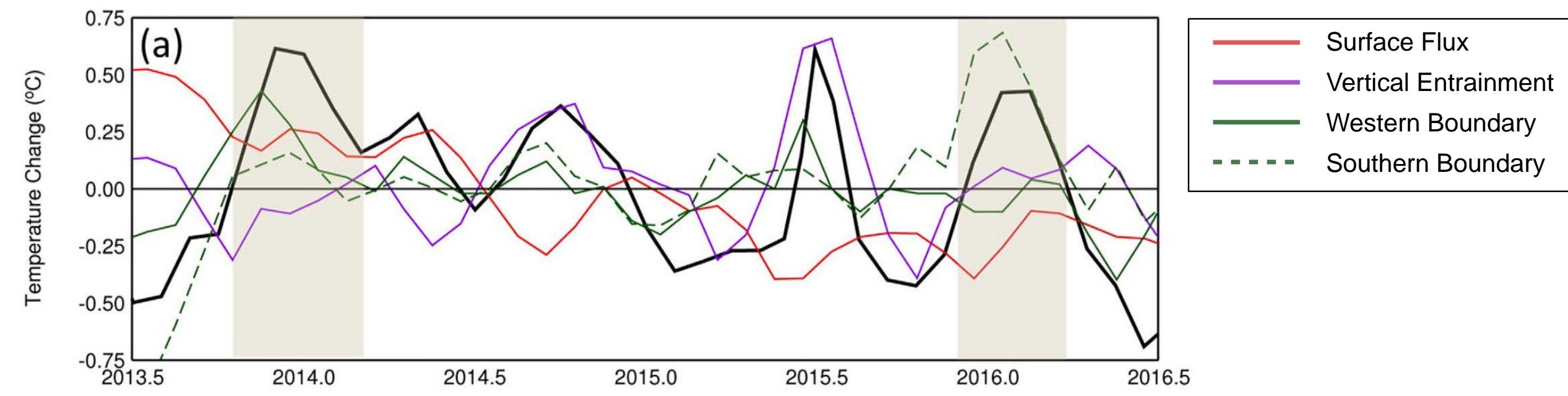
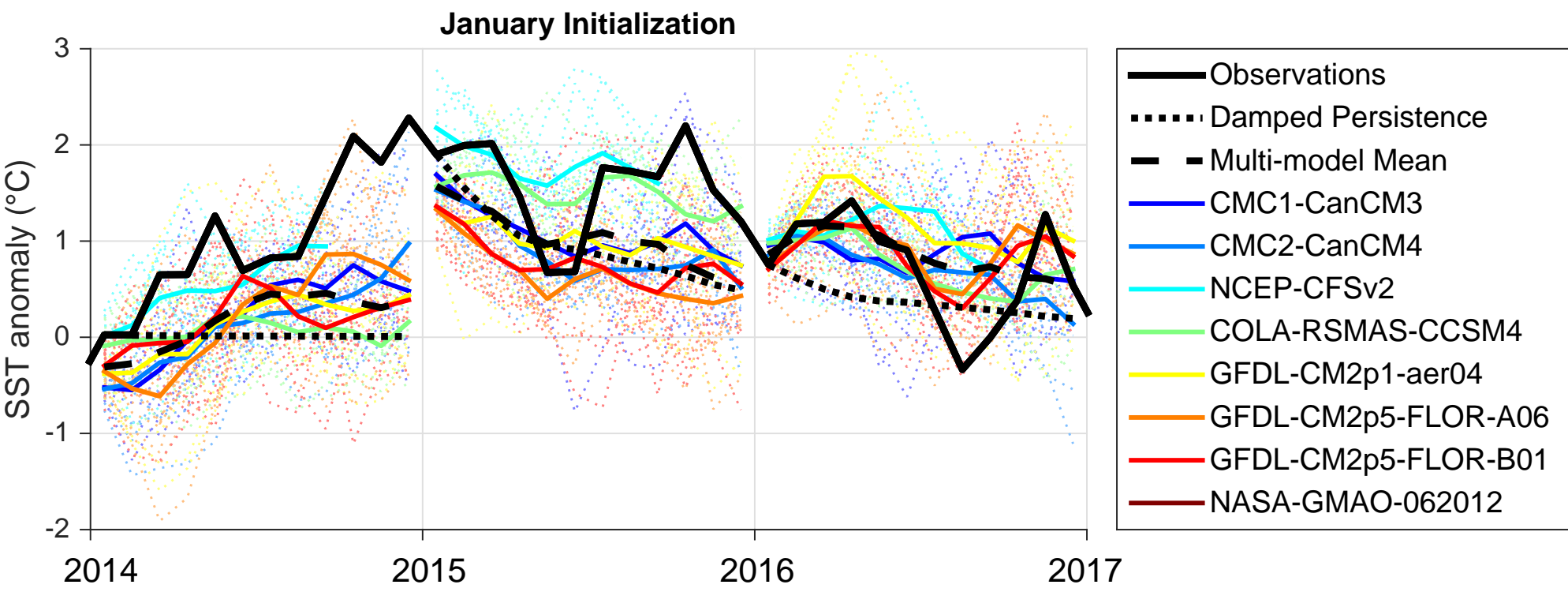


Chao et al., JGR (2017)

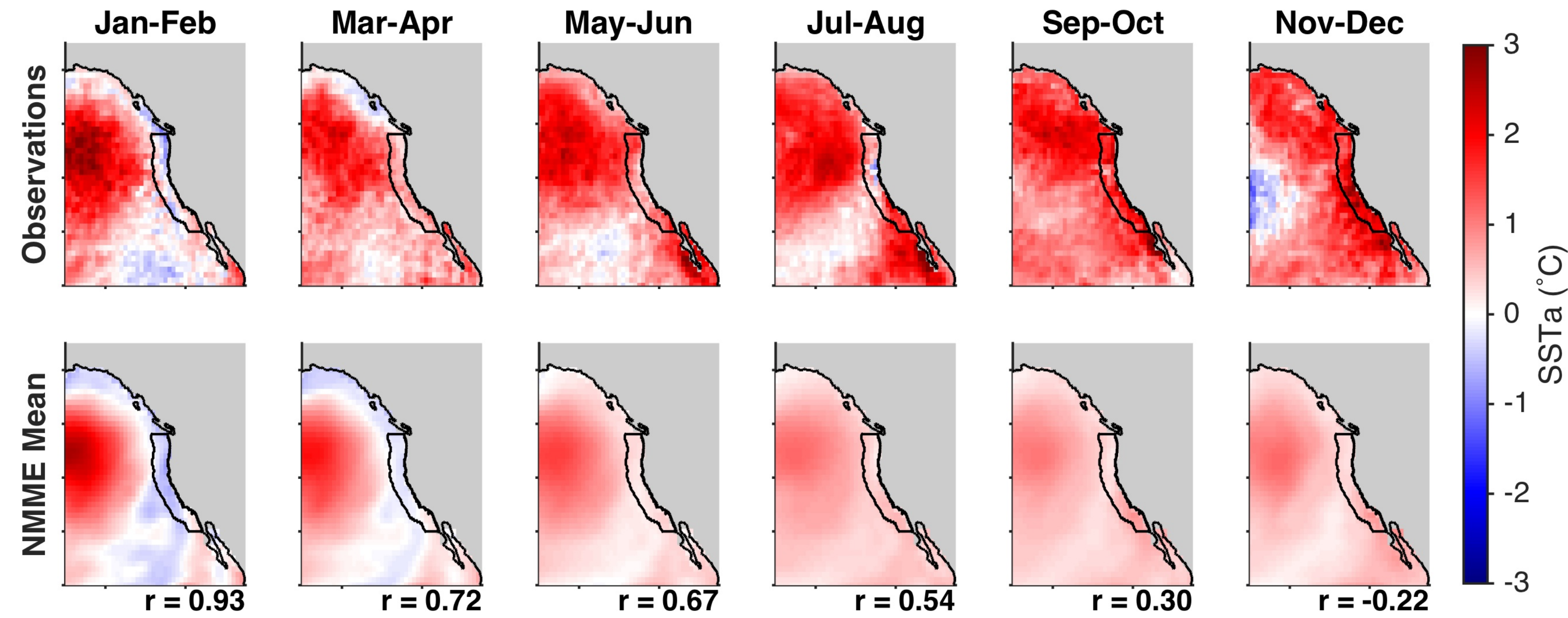


Chao et al., JGR (2017)

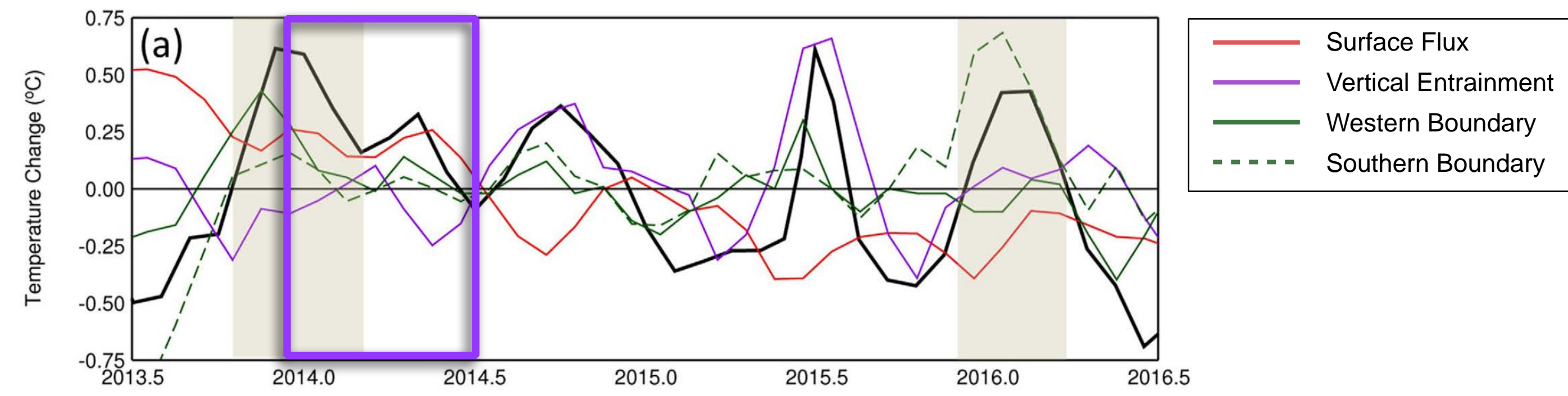
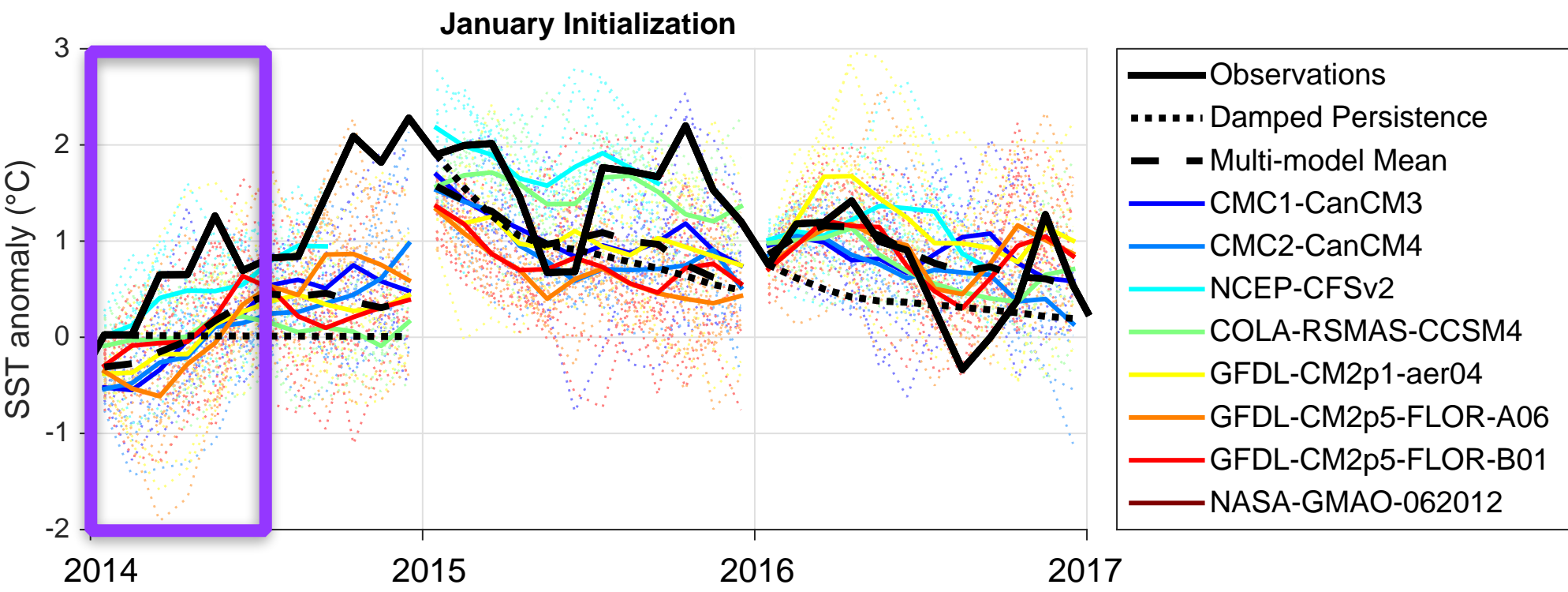




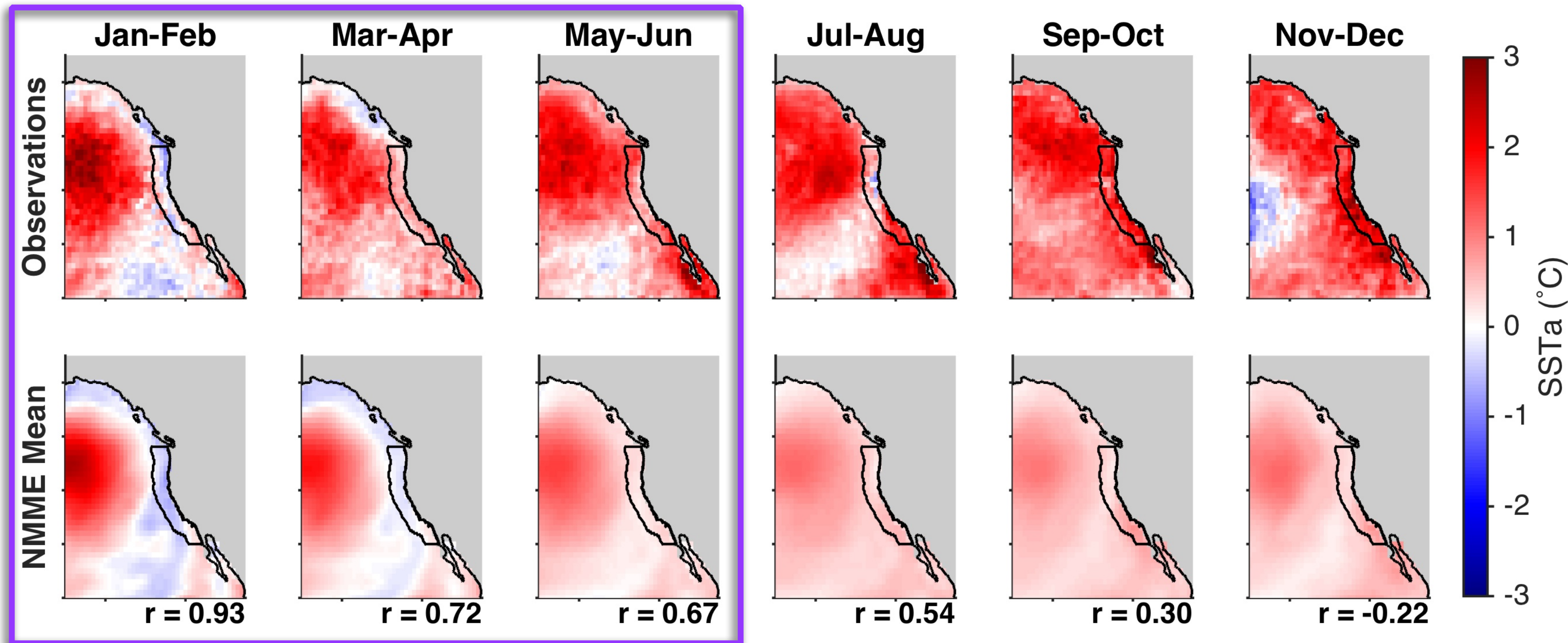
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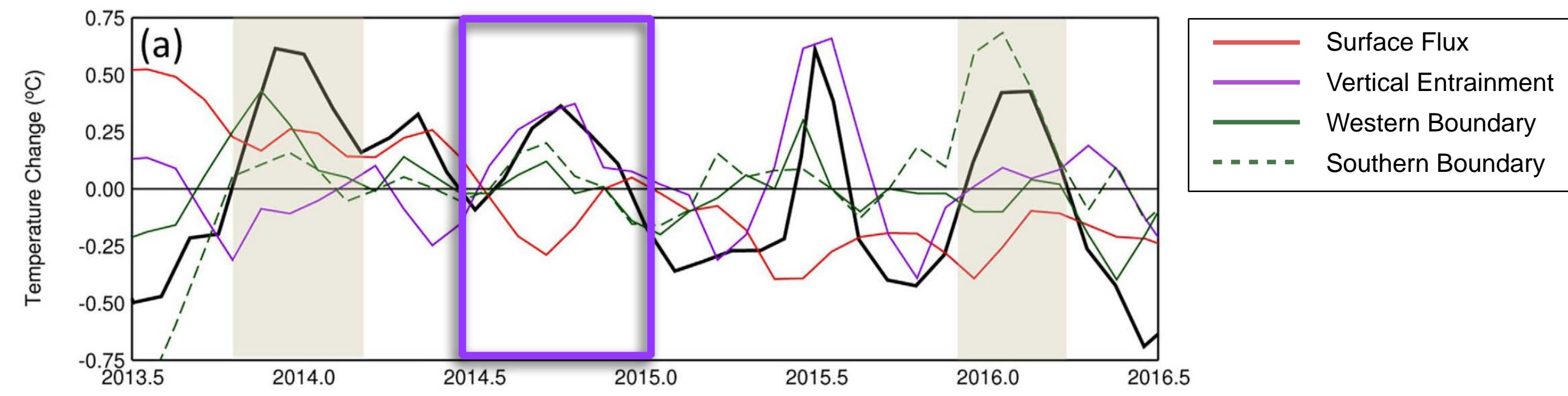
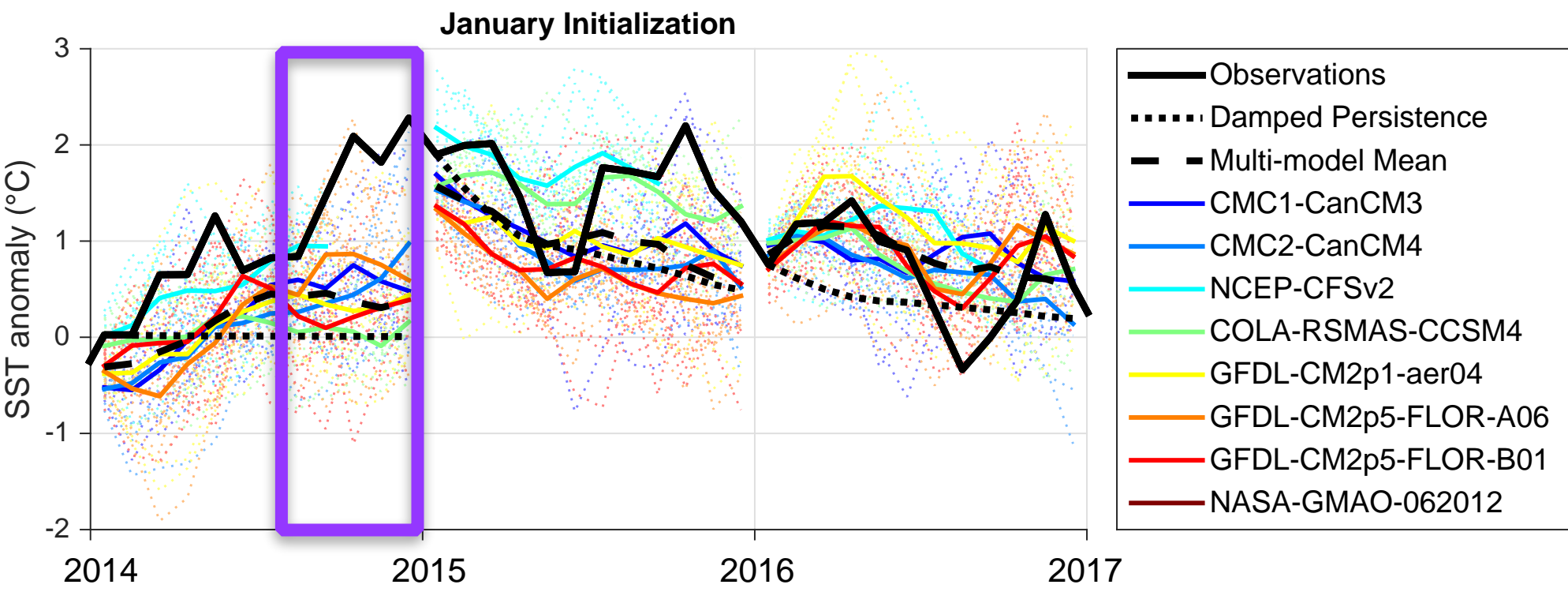
Jacox et al., FiMS (2019)



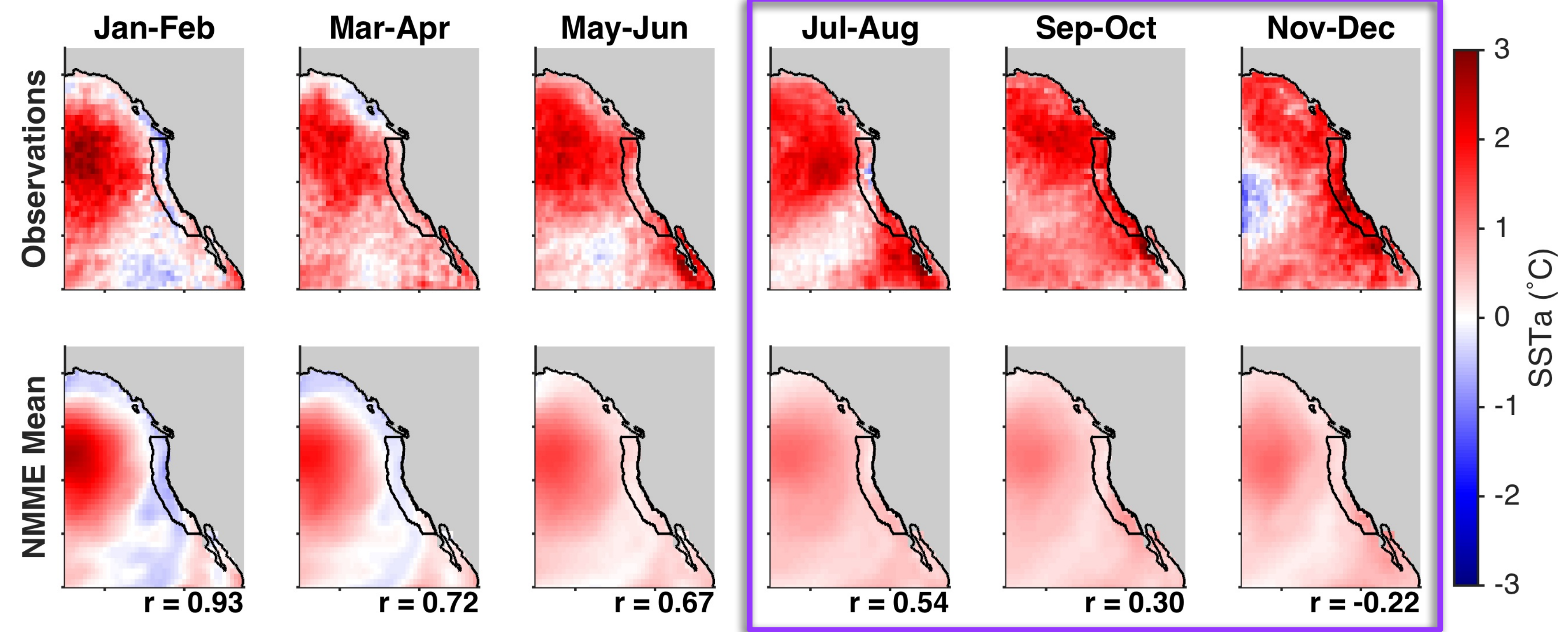
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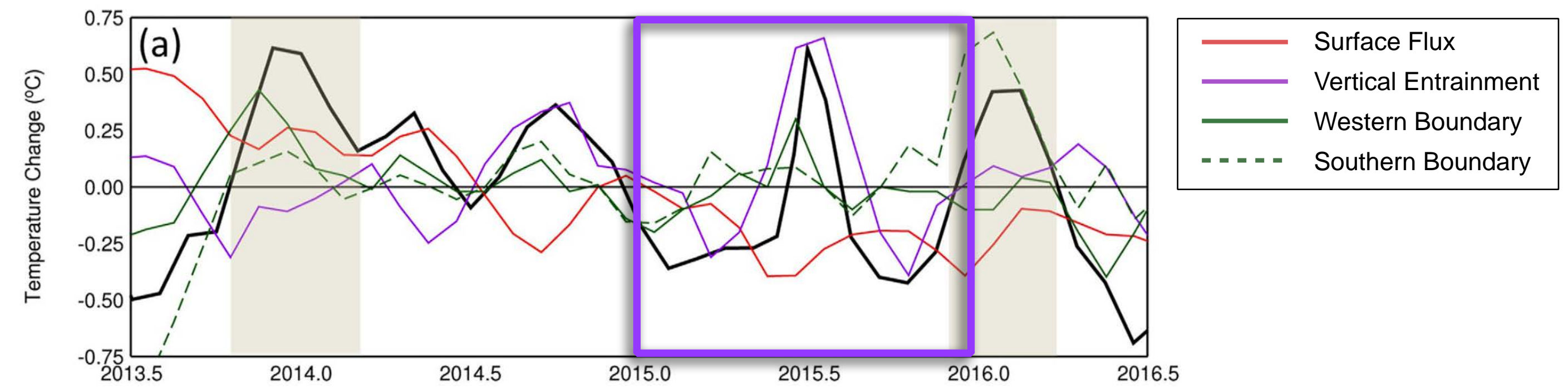
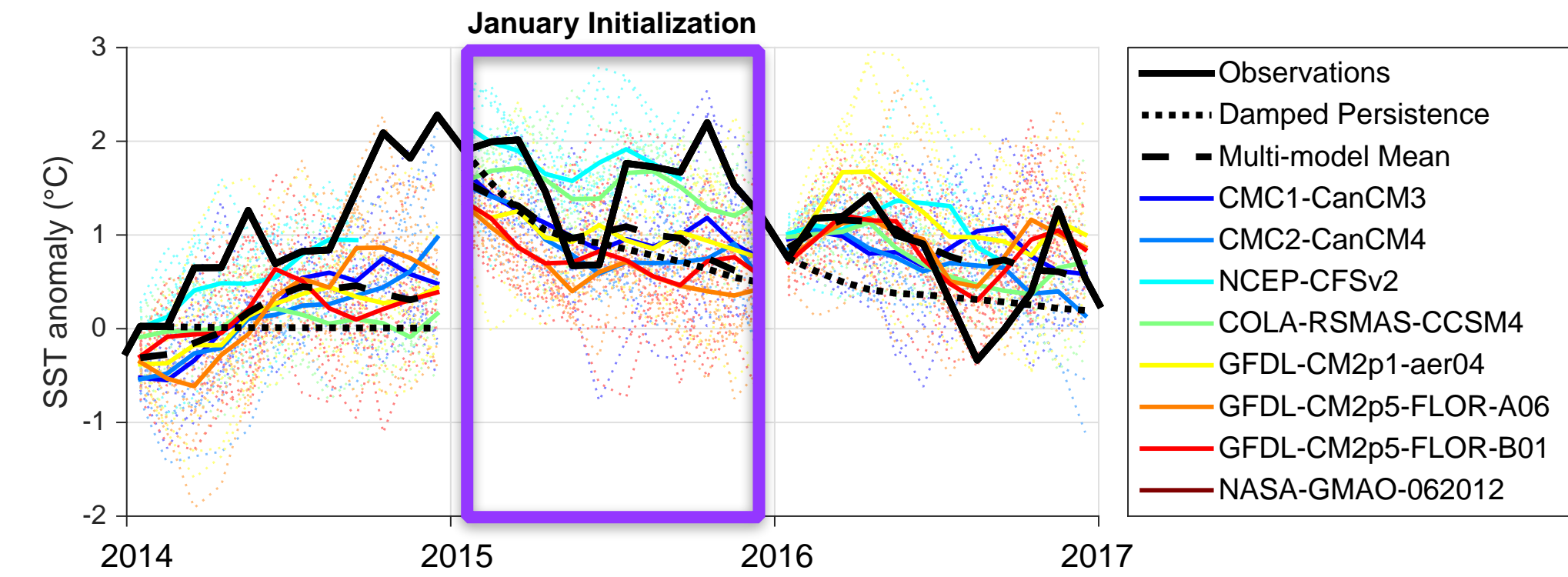
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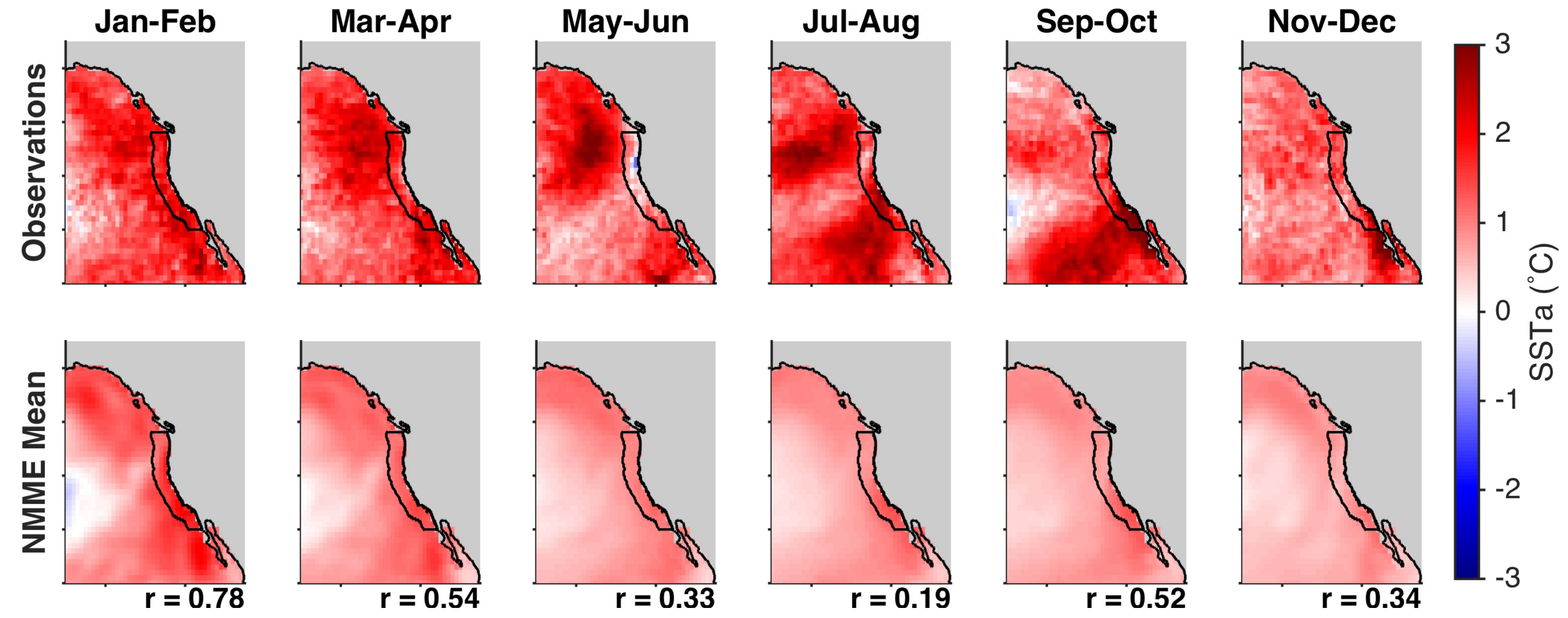
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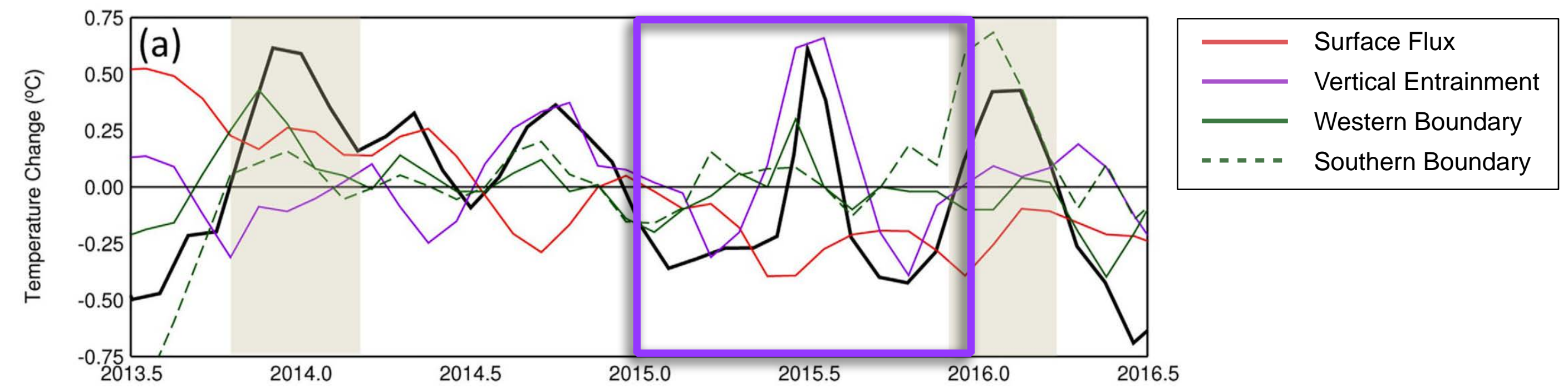
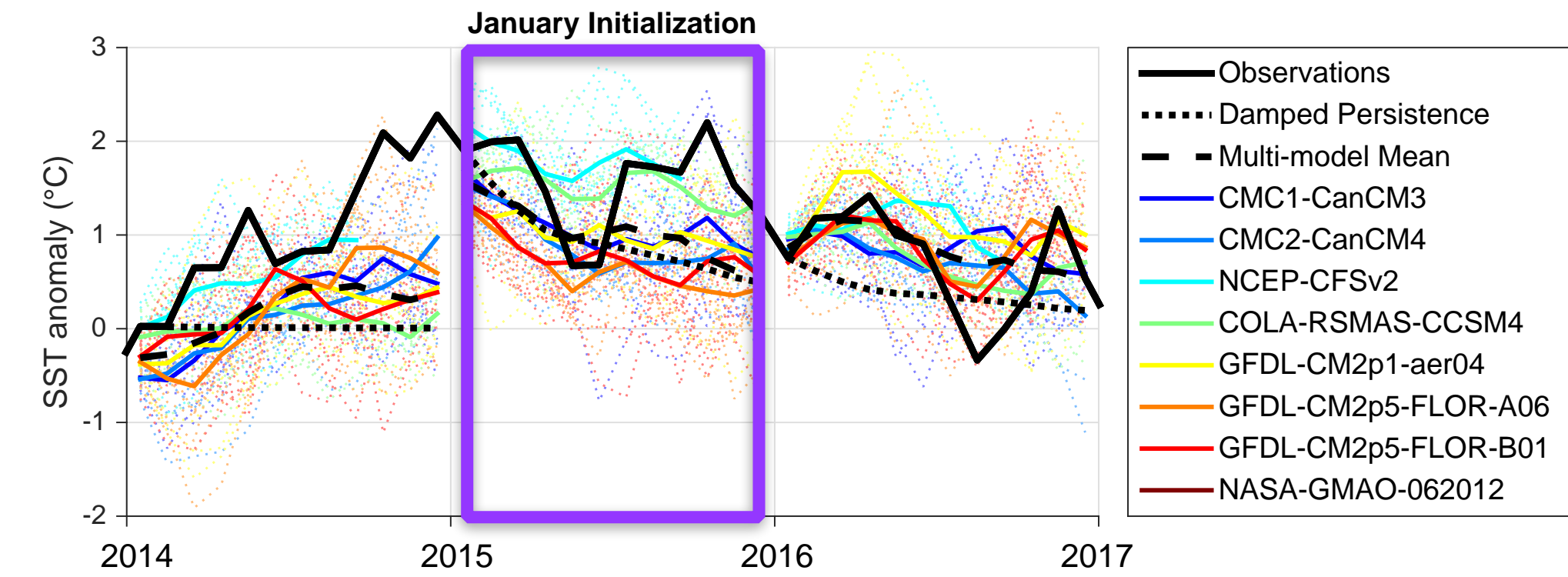
Jacox et al., FiMS (2019)



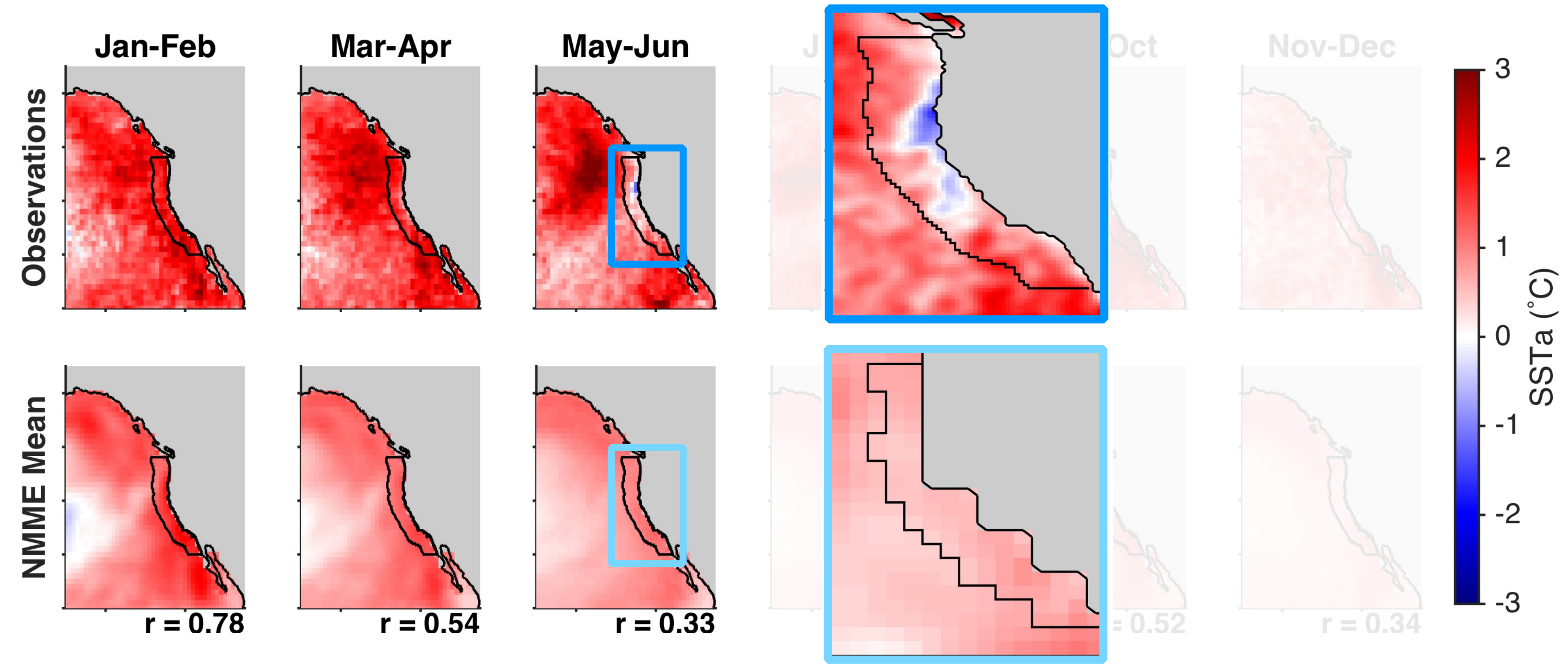
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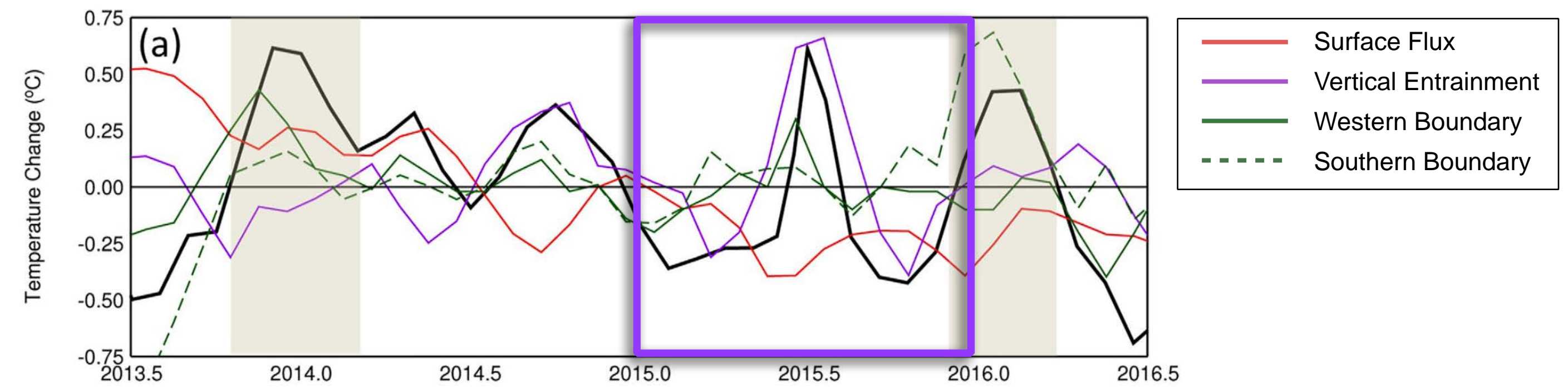
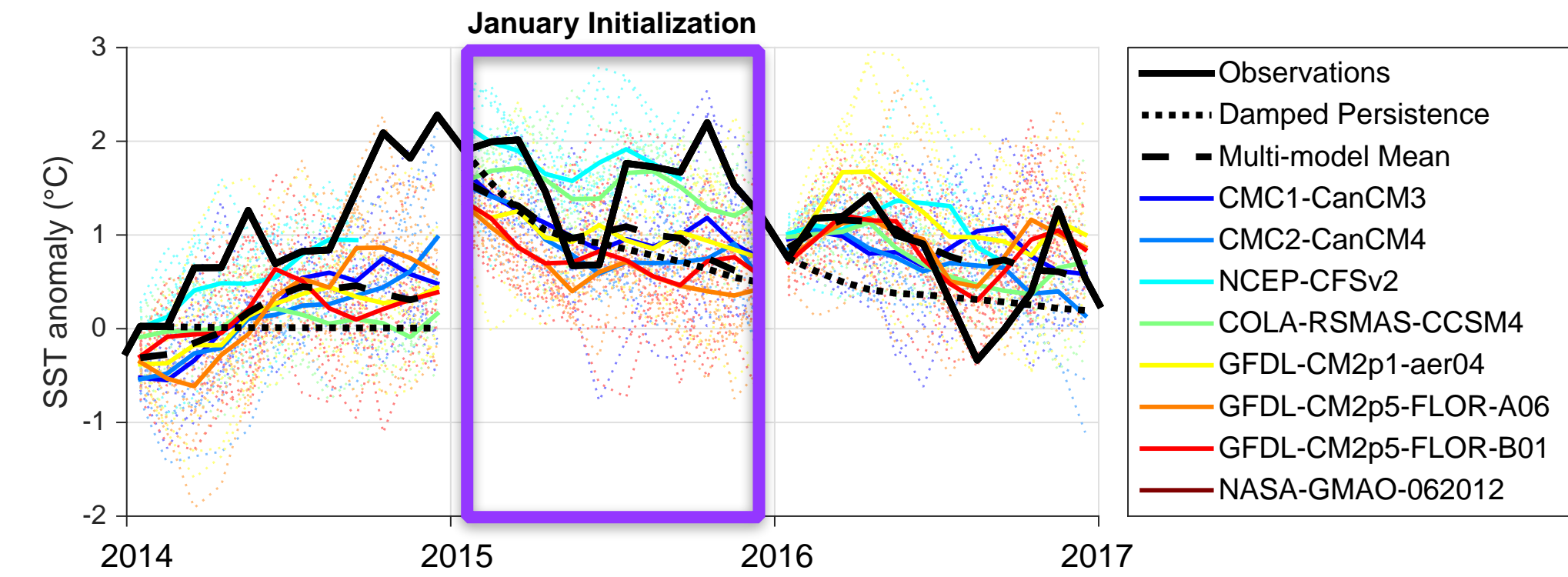
Jacox et al., FiMS (2019)



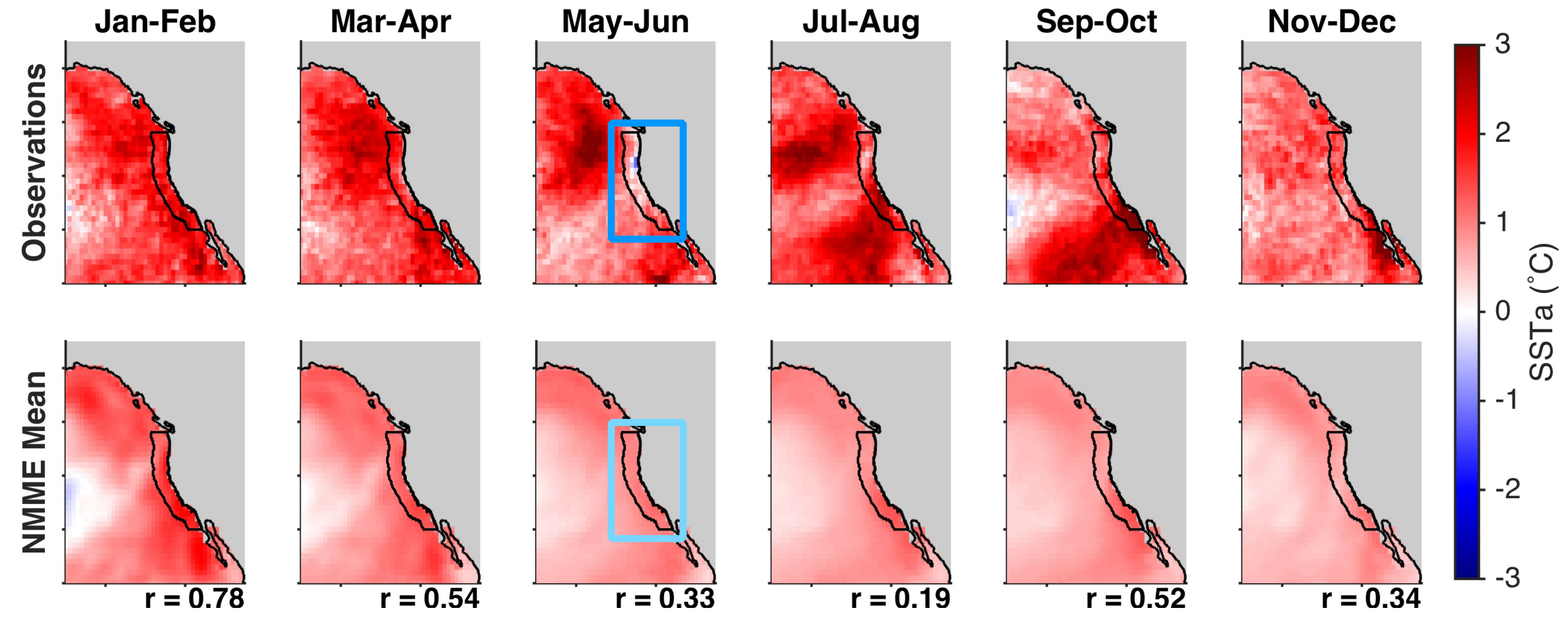
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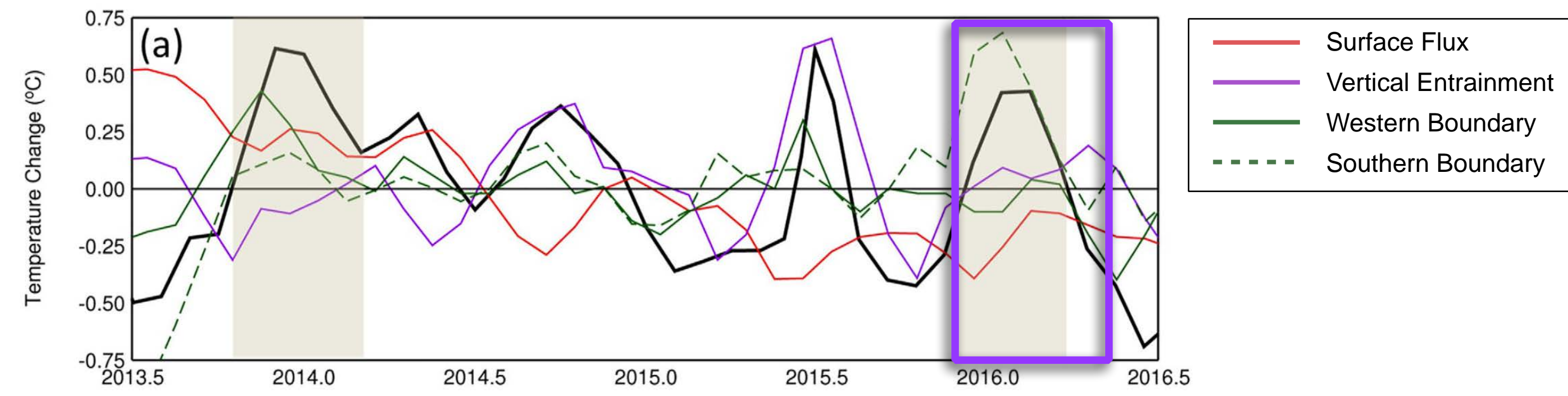
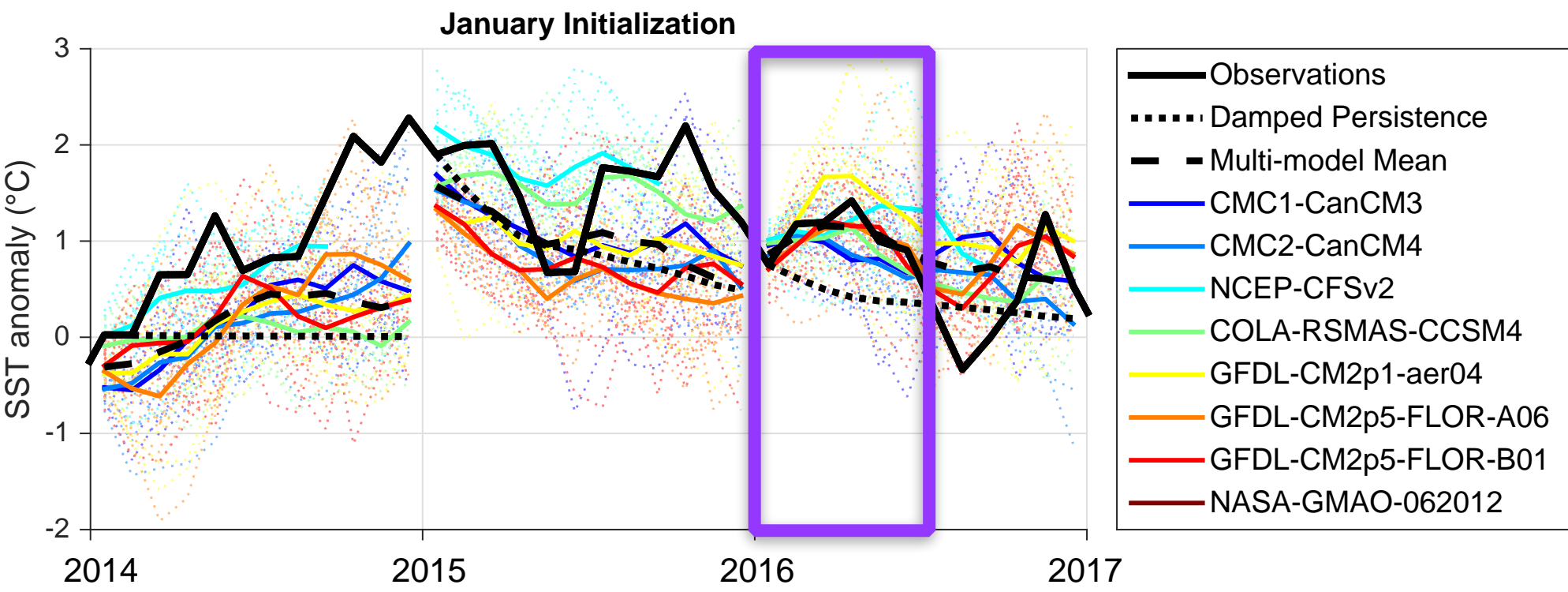
Jacox et al., FiMS (2019)



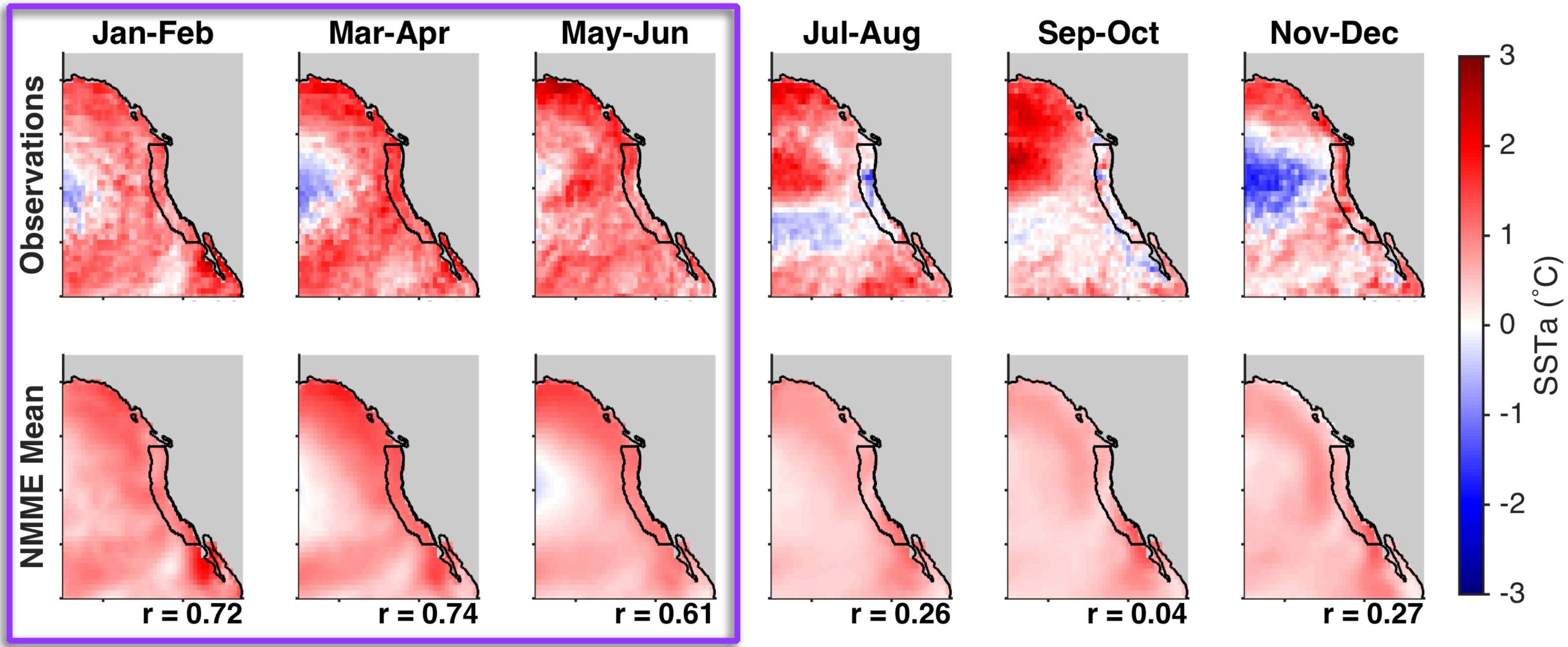
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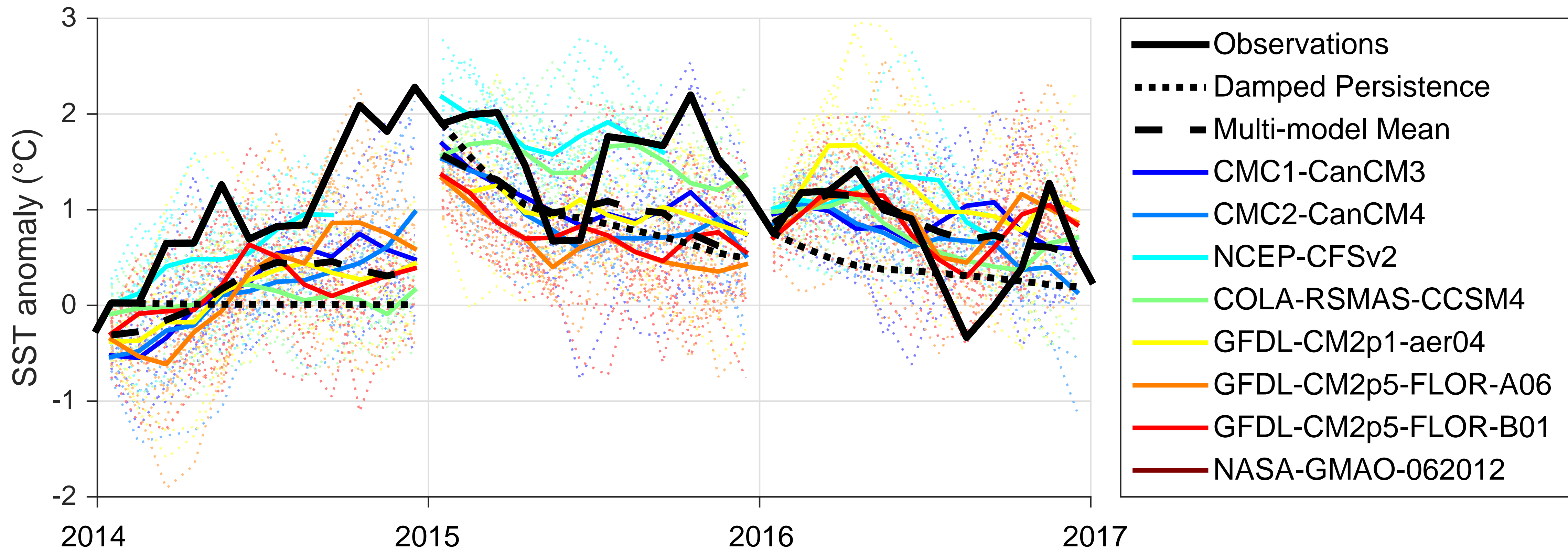
Jacox et al., FiMS (2019)



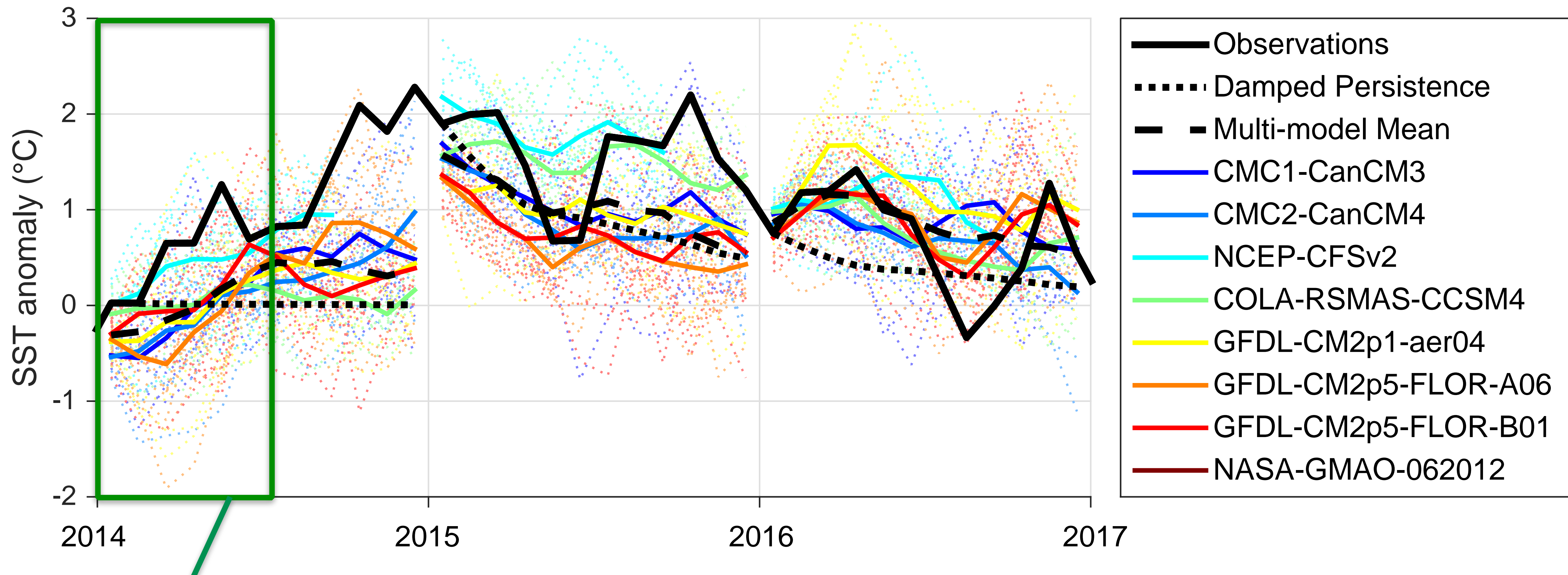
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Jacox et al., FiMS (2019)

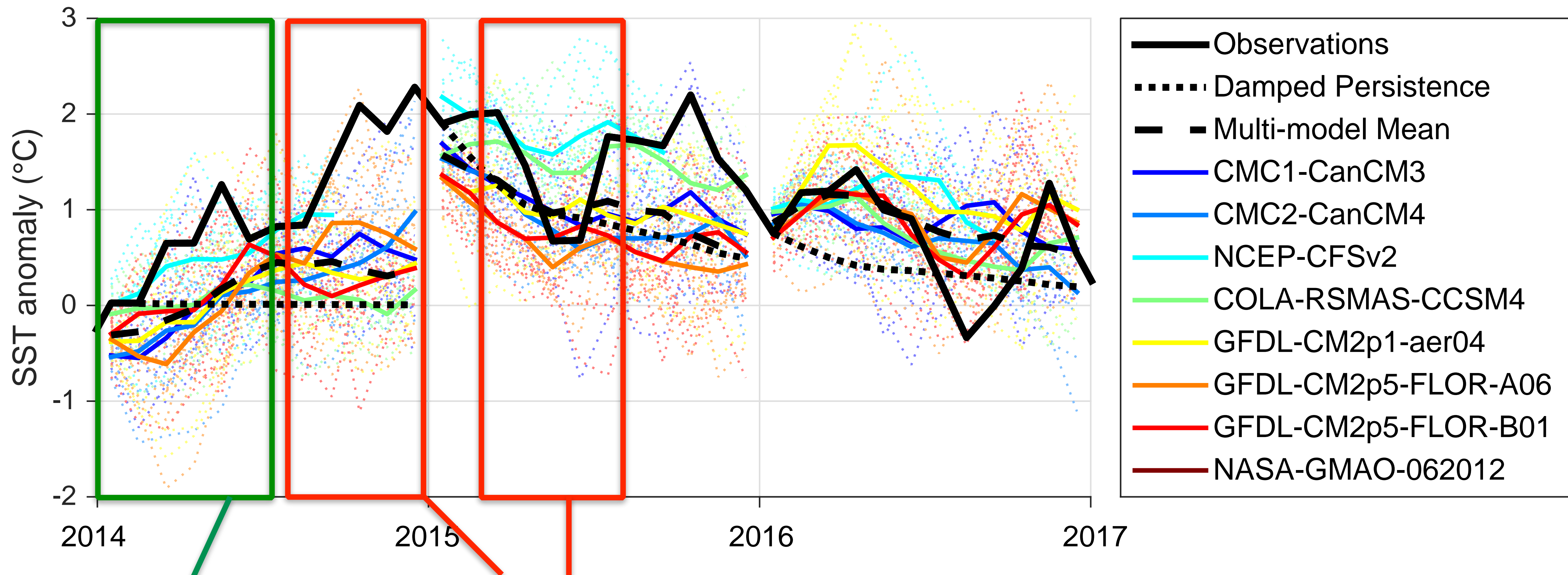


Jacox et al., FiMS (2019)



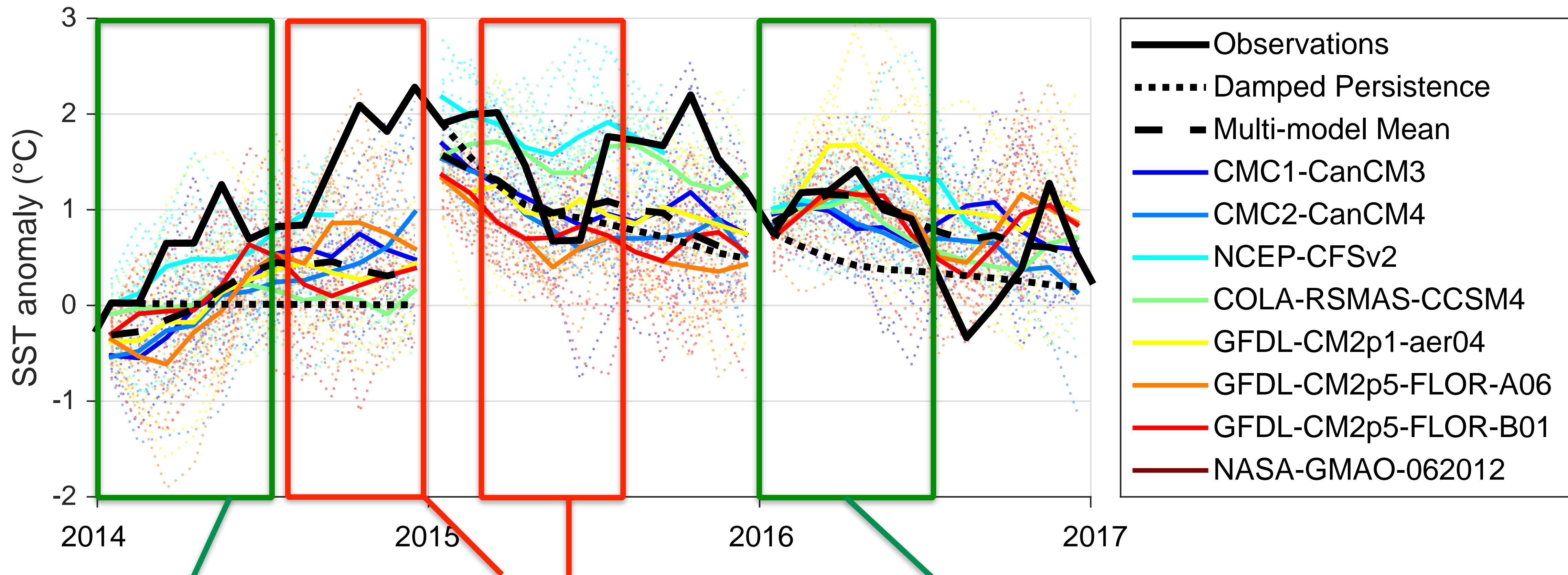
**Lateral/surface heat flux
from offshore SST anomalies
(Predictable)**

Jacox et al., FiMS (2019)



**Lateral/surface heat flux
from offshore SST anomalies
(Predictable)**

**Wind forcing
(Not Predictable)**



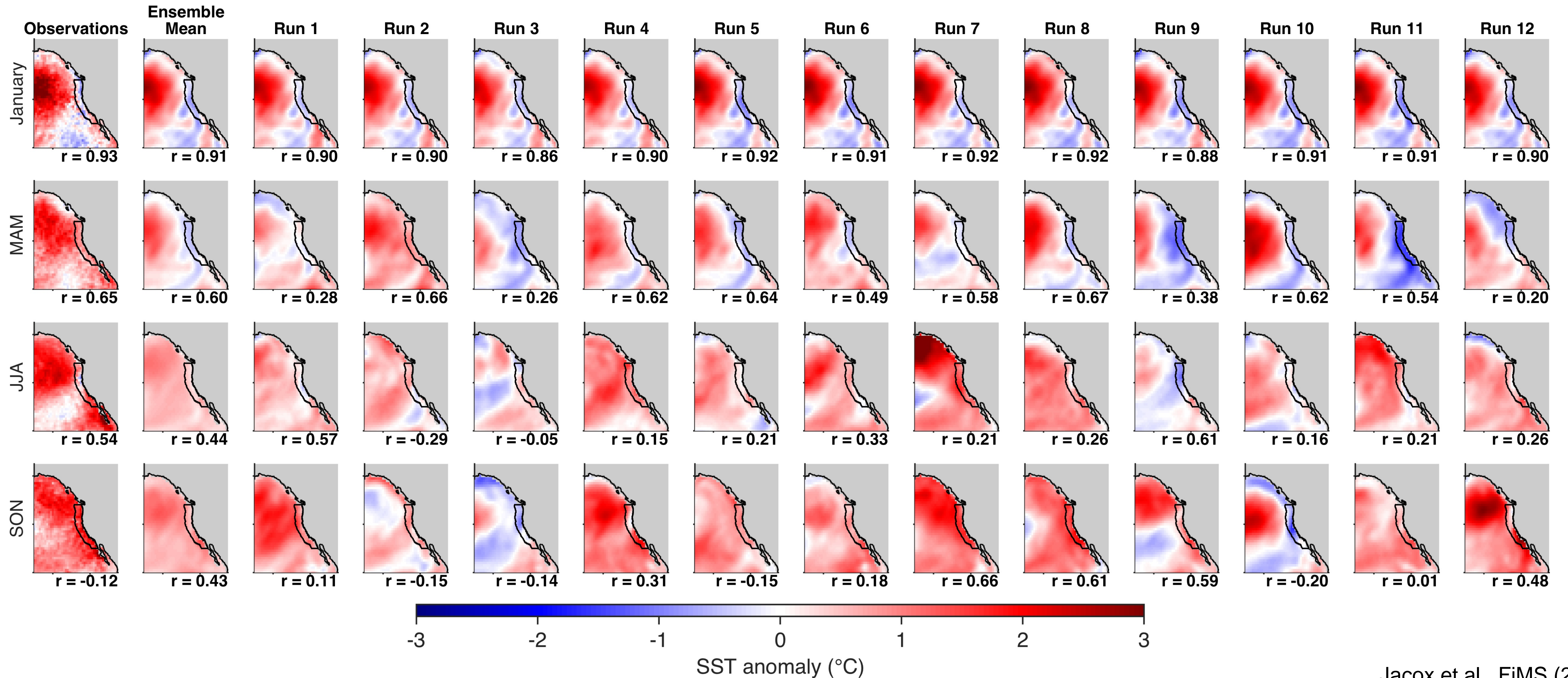
Lateral/surface heat flux
from offshore SST anomalies
(Predictable)

Wind forcing
(Not Predictable)

El Niño forcing from South
via coastal trapped waves / advection
(Predictable)

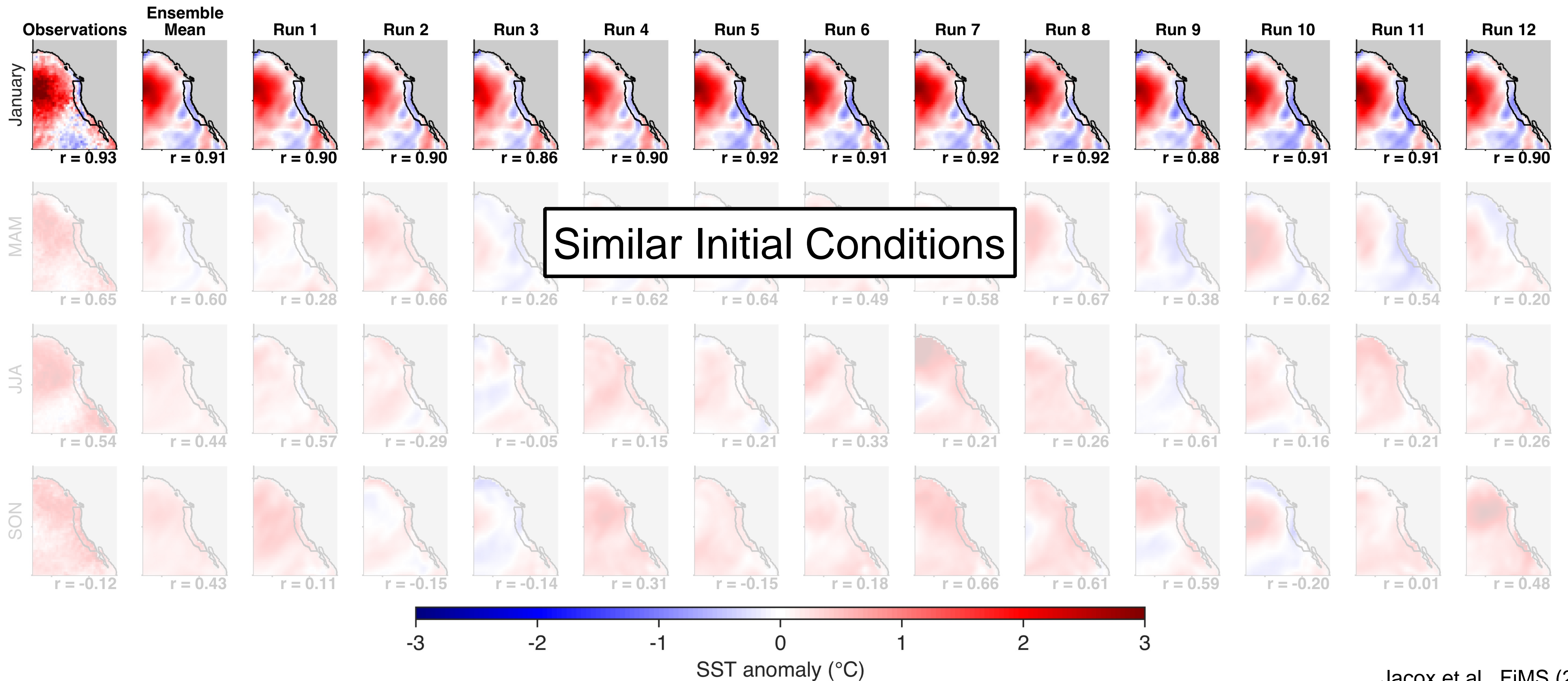
Jacox et al., FiMS (2019)

Single Model Ensemble Predictions (GFDL-CM2p5-FLOR-A06)



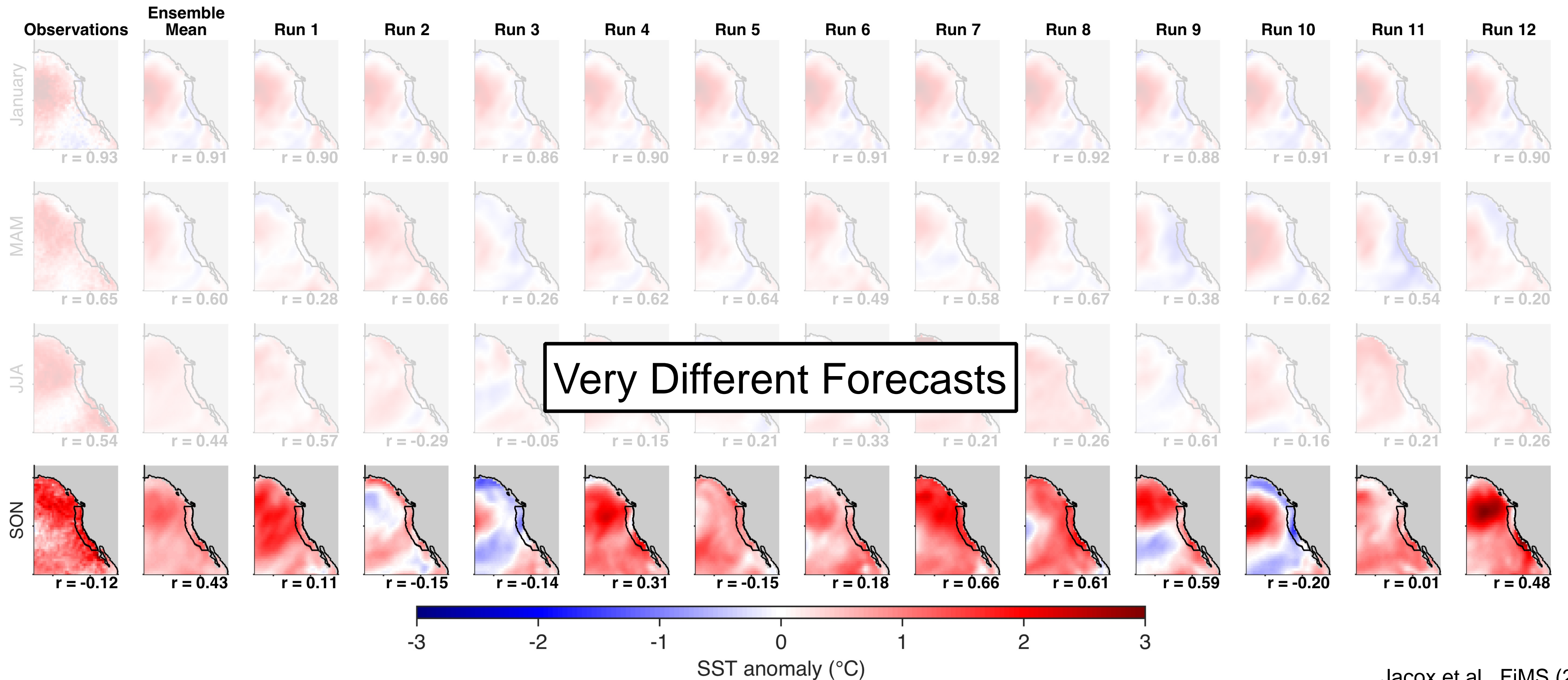
Jacox et al., FiMS (2019)

Single Model Ensemble Predictions (GFDL-CM2p5-FLOR-A06)

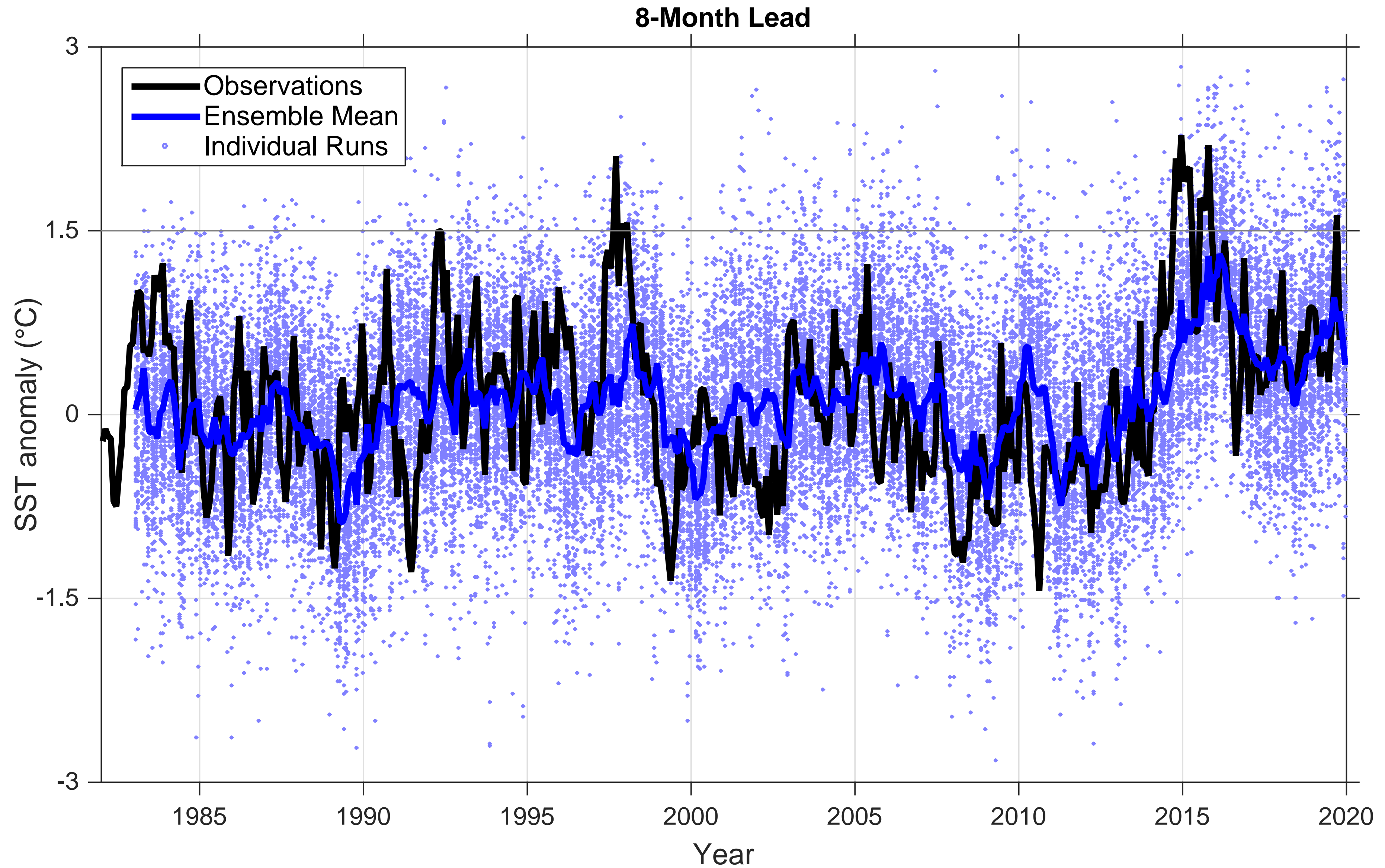


Jacox et al., FiMS (2019)

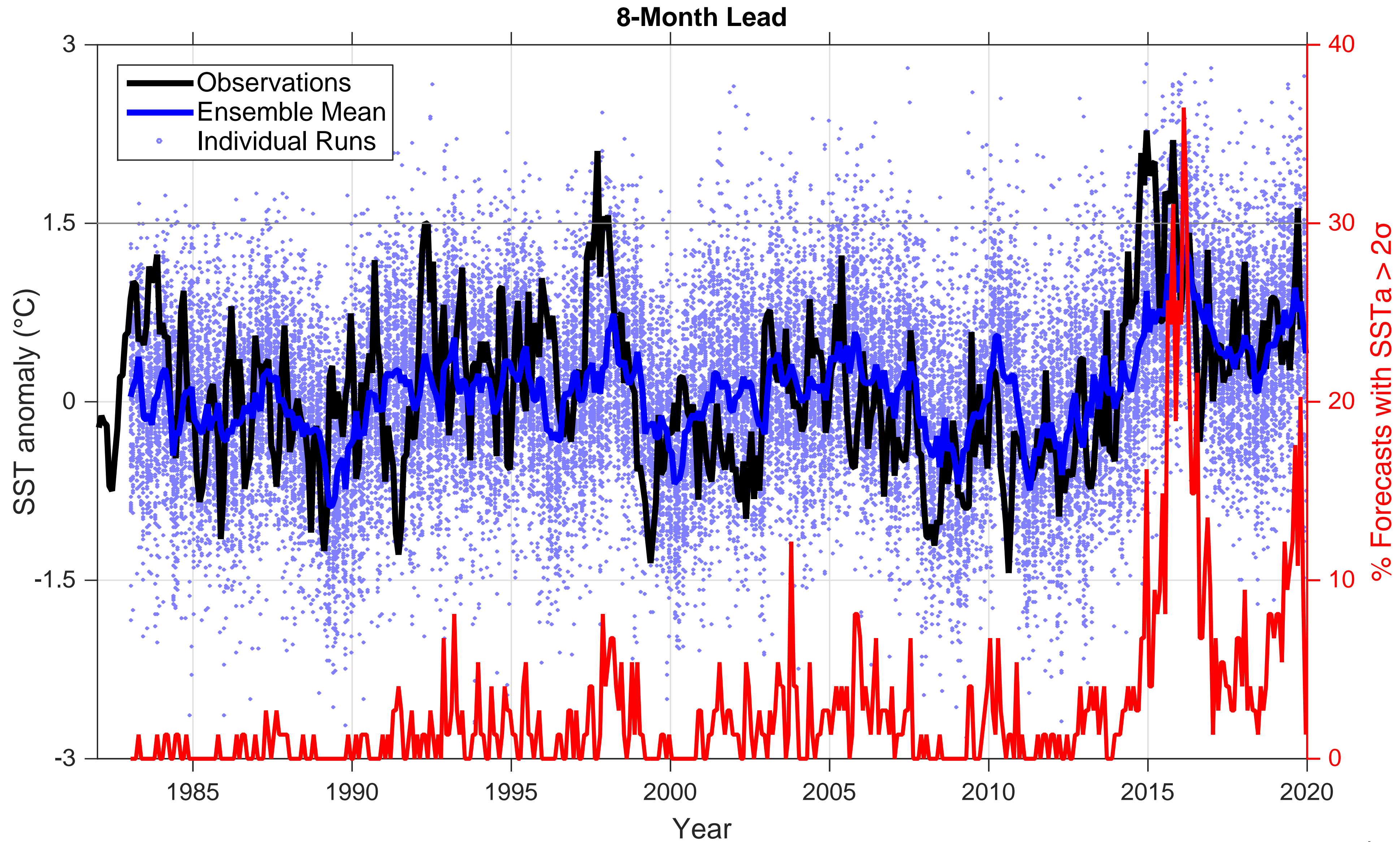
Single Model Ensemble Predictions (GFDL-CM2p5-FLOR-A06)



Jacox et al., FiMS (2019)



Jacox et al., FiMS (2019)



Jacox et al., FiMS (2019)

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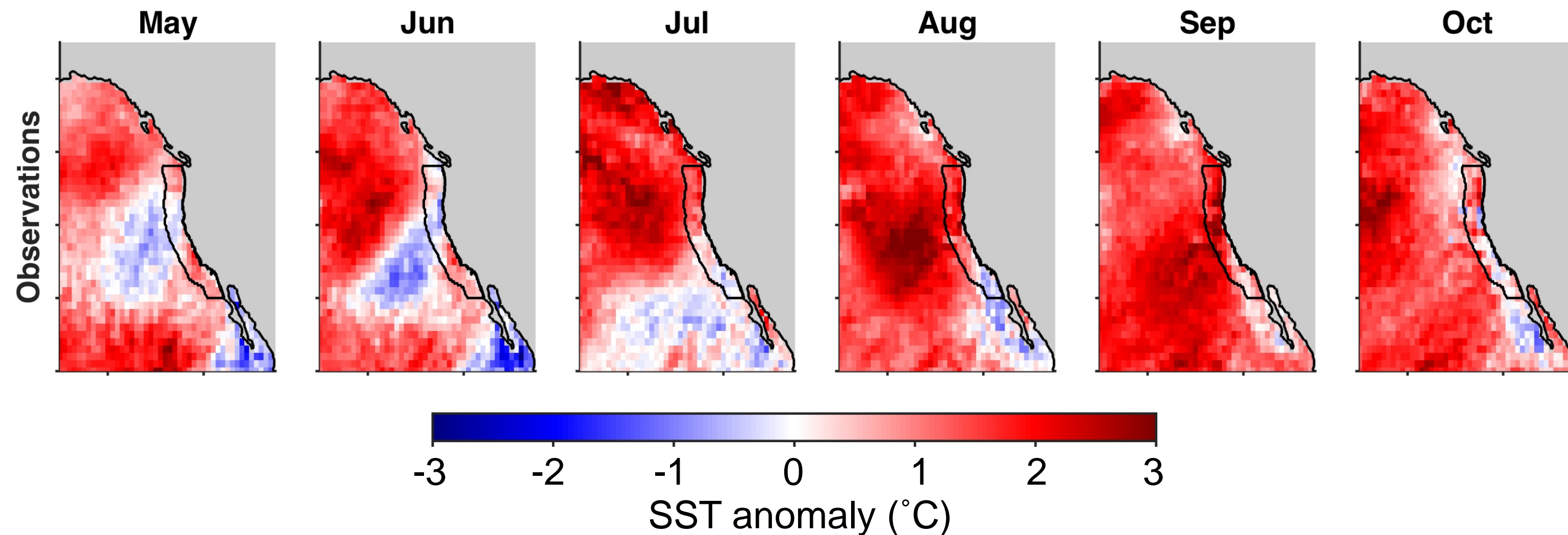
A new, big warm Blob is back in the north Pacific Ocean

Posted Oct 11, 2019

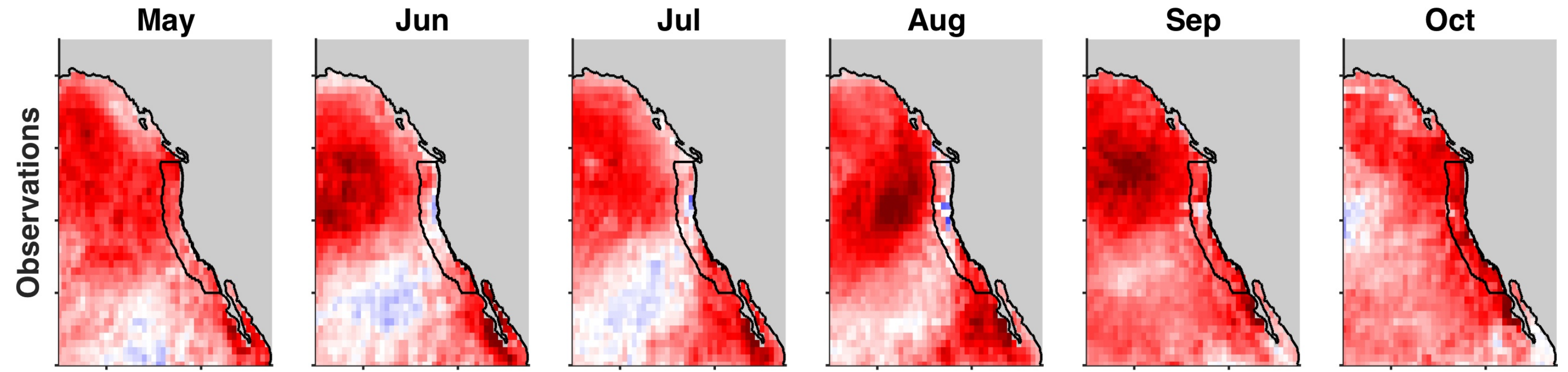
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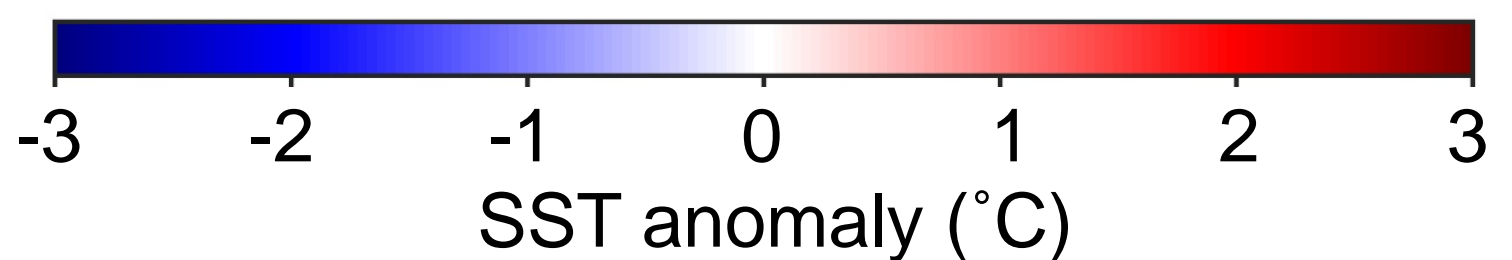
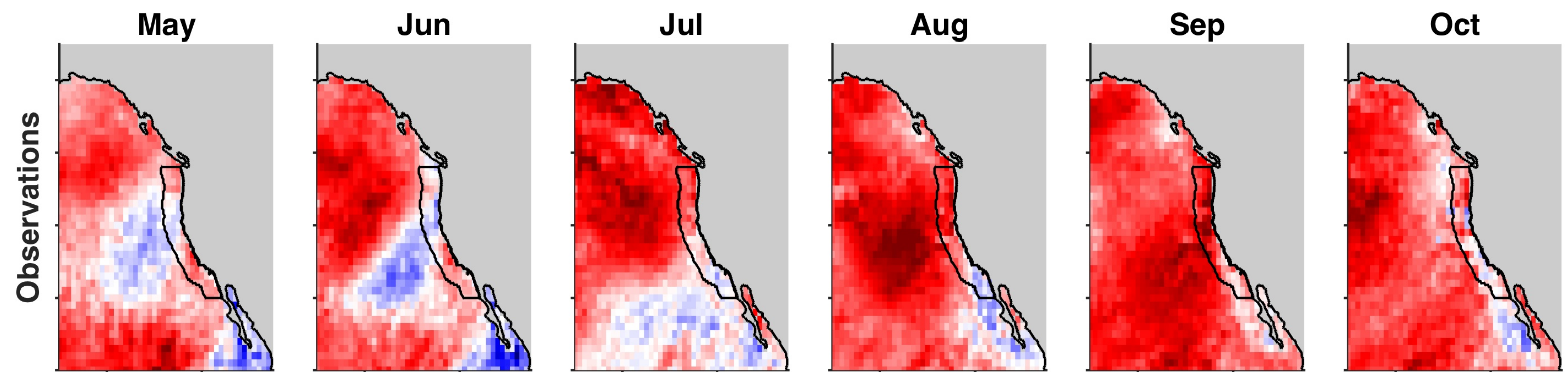
2019



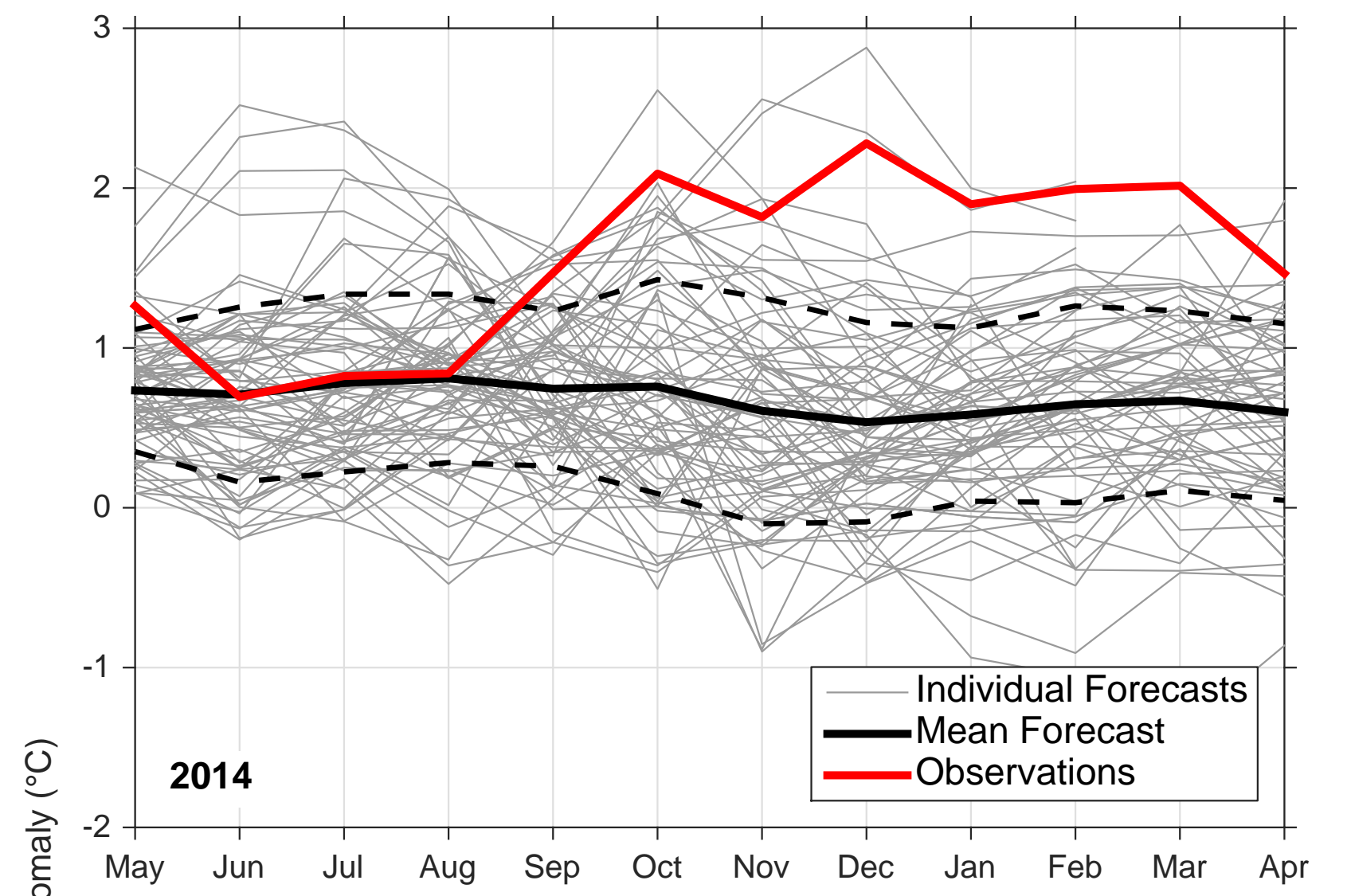
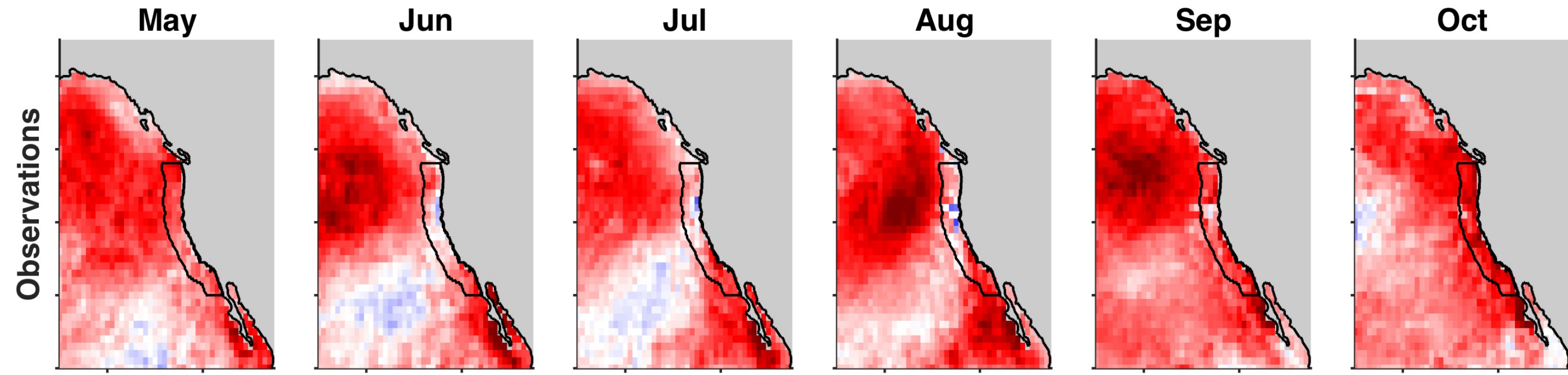
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2019



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2019

