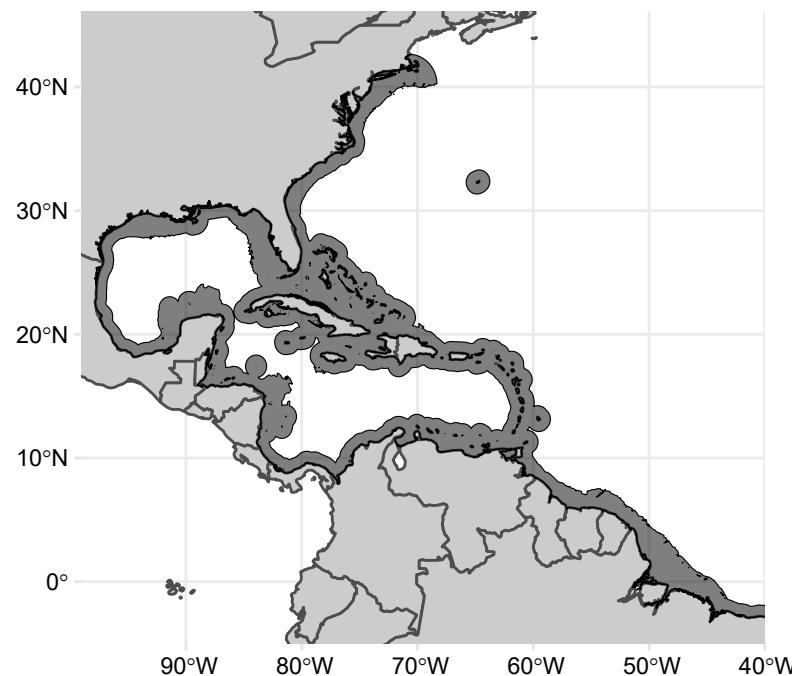
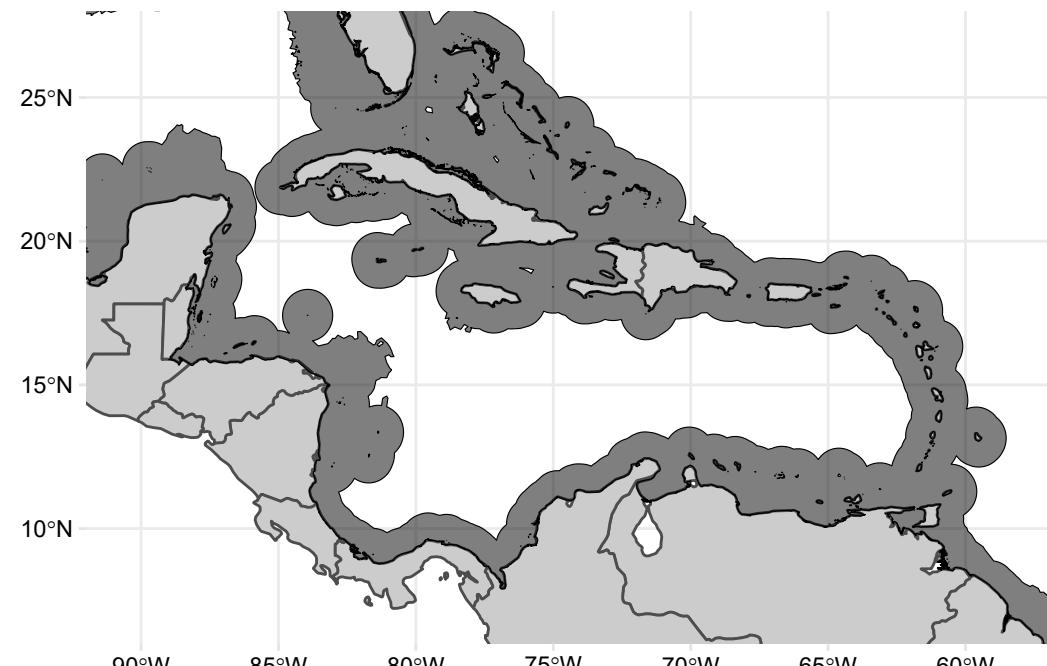


A

### Yellowtail Snapper

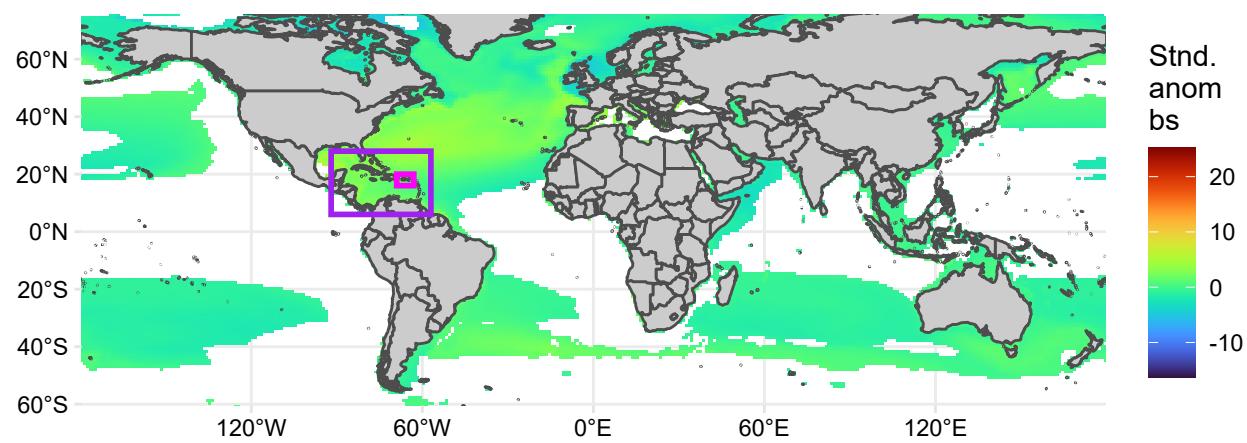


B



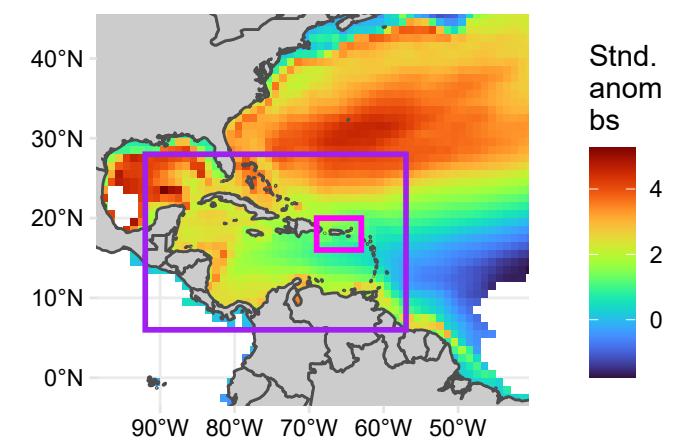
C

### Global: bs



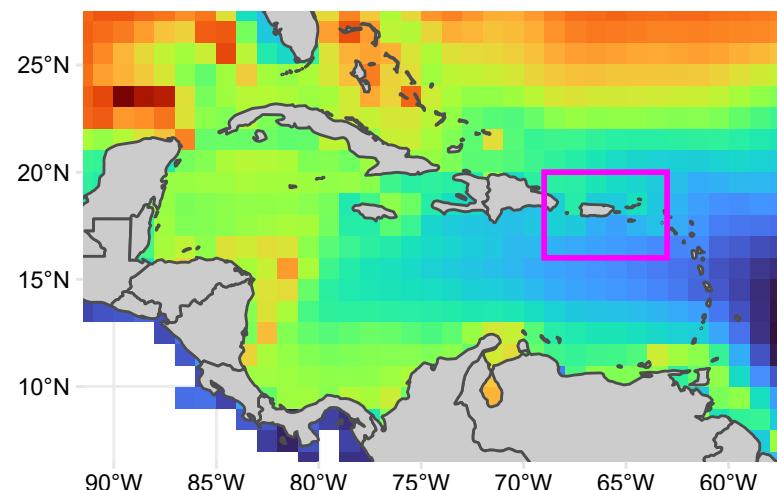
D

### W. Atlantic: bs



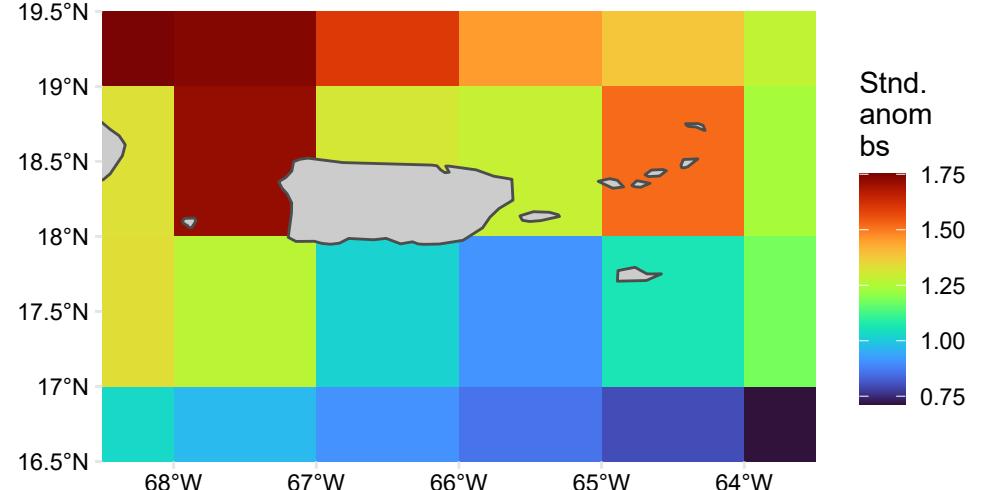
E

### Caribbean Sea: bs



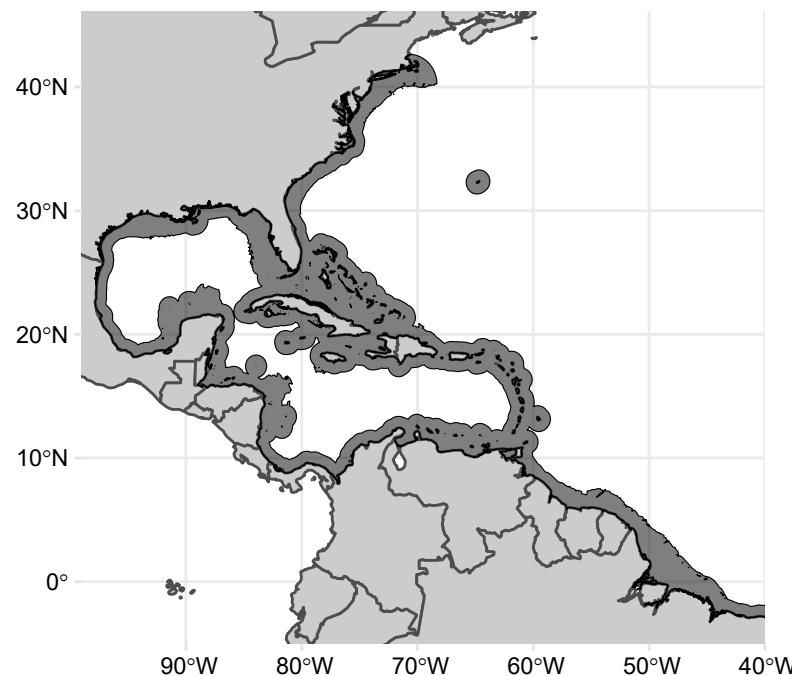
F

### U.S. Caribbean: bs

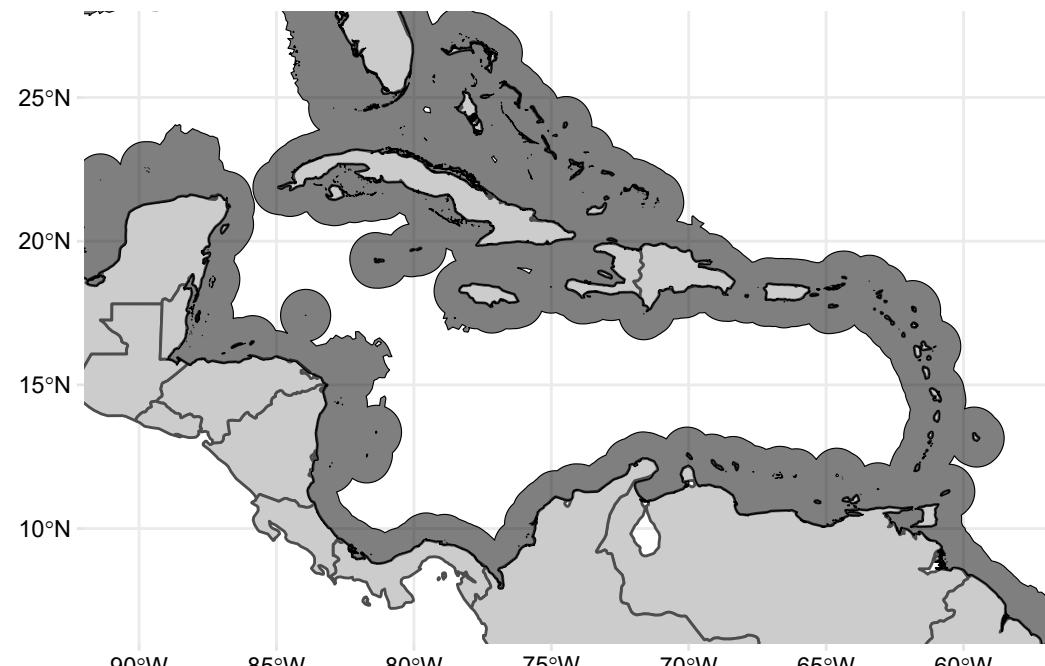


A

### Yellowtail Snapper

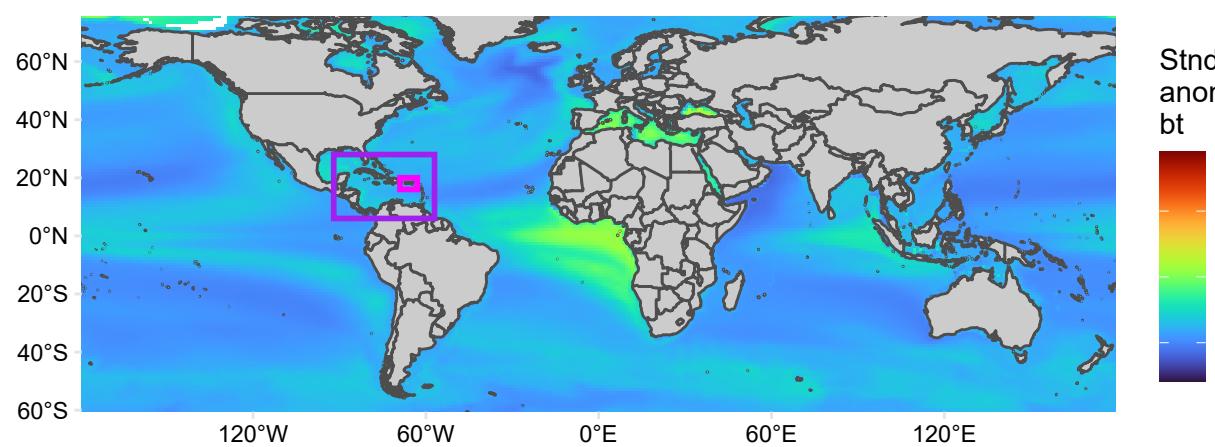


B



C

### Global: bt

D

### W. Atlantic: bt

A zoomed-in map of the Western Atlantic region (0°N to 40°N, 90°W to 50°W) focusing on the area highlighted in Panel C. The map shows significant positive bt anomalies (red/orange) in the Caribbean Sea and the coastal waters off the southeastern United States and southern Canada. A purple rectangular box indicates the area shown in Panel E.

E

### Caribbean Sea: bt

A detailed map of the Caribbean Sea and surrounding regions (10°N to 25°N, 90°W to 60°W). The map shows high bt anomalies (red/orange) in the northern Caribbean, particularly around the Yucatan Peninsula and the Bahamas. A purple rectangular box indicates the area shown in Panel F.

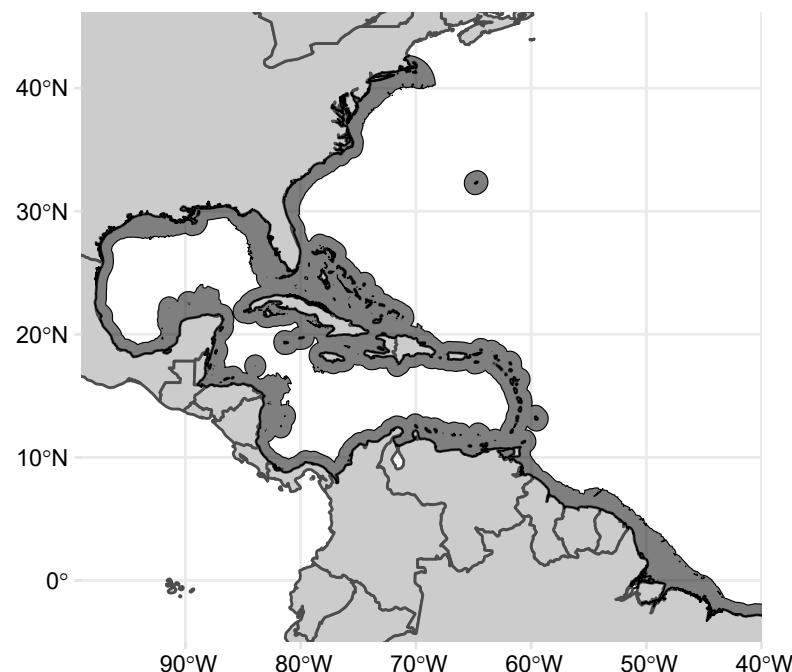
F

### U.S. Caribbean: bt

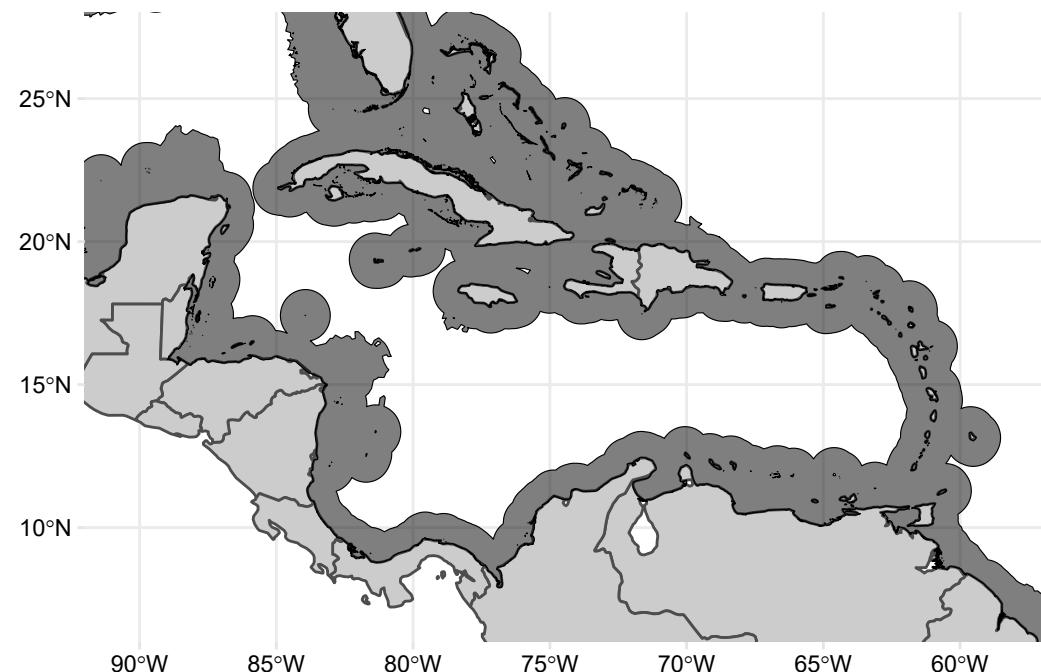
A highly detailed map of the U.S. Caribbean region (16.5°N to 19.5°N, 64°W to 68°W). The map shows extreme bt anomalies (dark red) in the northern waters of the Caribbean, particularly around the Florida Keys and the Bahamas. A color scale bar on the right indicates values ranging from 1.50 to 2.50.

A

### Yellowtail Snapper

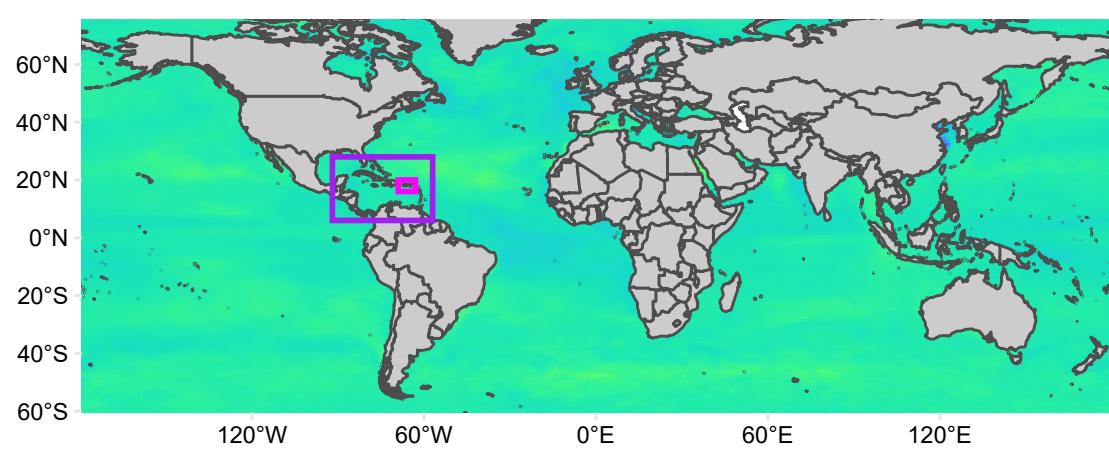


B



C

### Global: chl

D

### W. Atlantic: chl

Map D is a zoomed-in view of the Western Atlantic region from 0°N to 40°N and 90°W to 50°W. It shows a strong positive chlorophyll-a signal (red/orange) in the central and eastern Caribbean Sea, indicated by a purple rectangular box.

E

### Caribbean Sea: chl

Map E is a zoomed-in view of the Caribbean Sea from 10°N to 25°N and 90°W to 60°W. It shows a strong positive chlorophyll-a signal (orange/red) in the central Caribbean, indicated by a purple rectangular box.

Stnd.  
anom  
chl

Color scale for standard deviation of chlorophyll-a concentration (chl). The scale ranges from -2 (dark blue) to 10 (dark red).

F

### U.S. Caribbean: chl

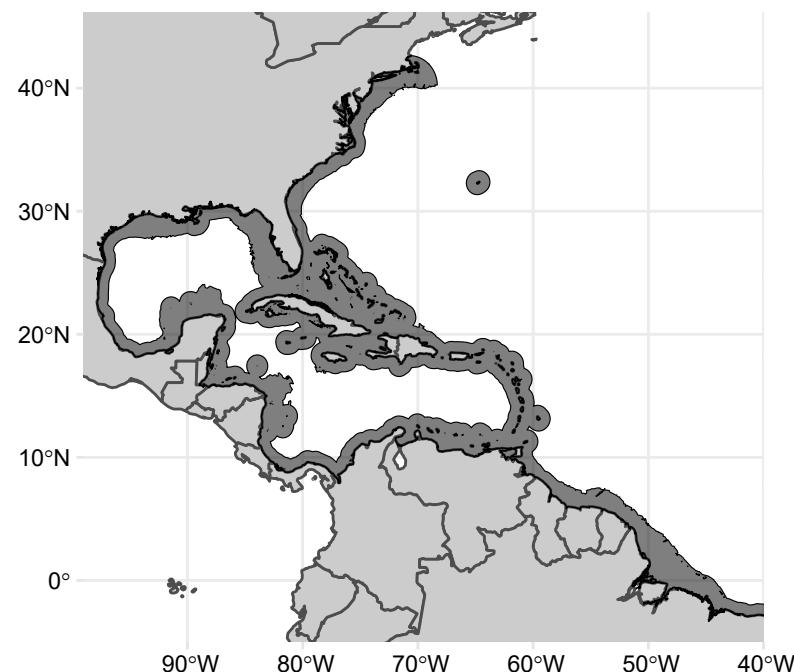
Map F is a detailed view of the U.S. Caribbean region from 16.5°N to 19.5°N and 68°W to 64°W. It shows a strong positive chlorophyll-a signal (red) in the northern Caribbean, indicated by a purple rectangular box.

Stnd.  
anom  
chl

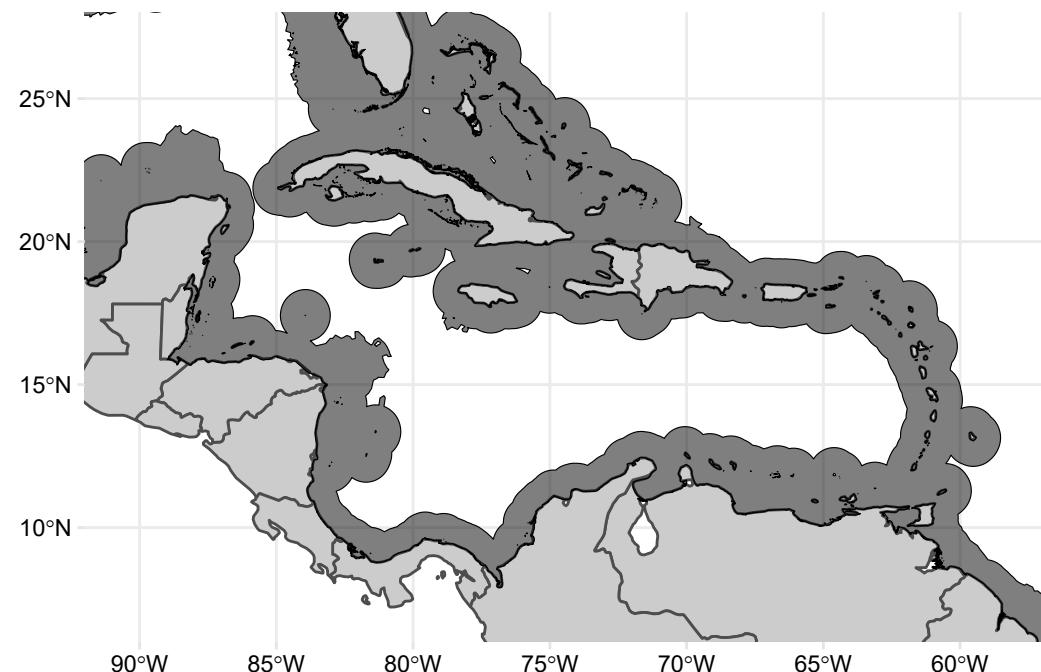
Color scale for standard deviation of chlorophyll-a concentration (chl). The scale ranges from -0.25 (dark blue) to 0.50 (dark red).

A

### Yellowtail Snapper

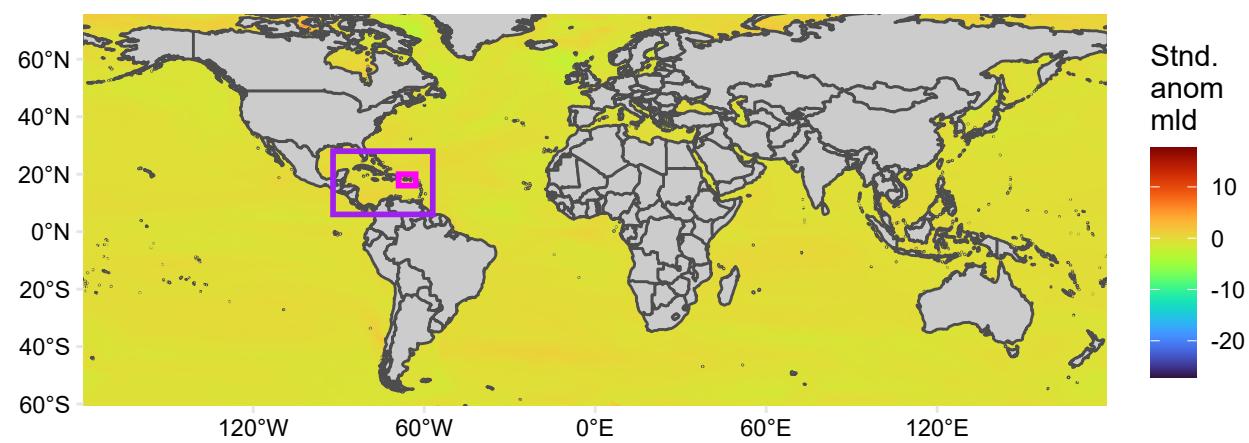


B



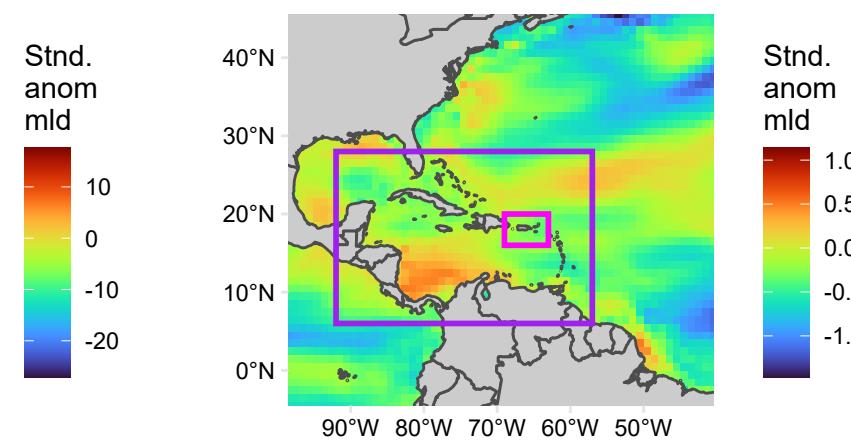
C

### Global: mld



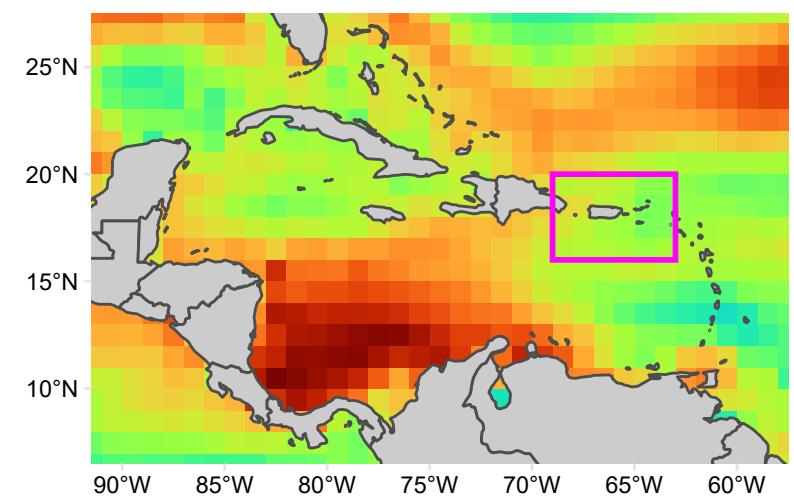
D

### W. Atlantic: mld



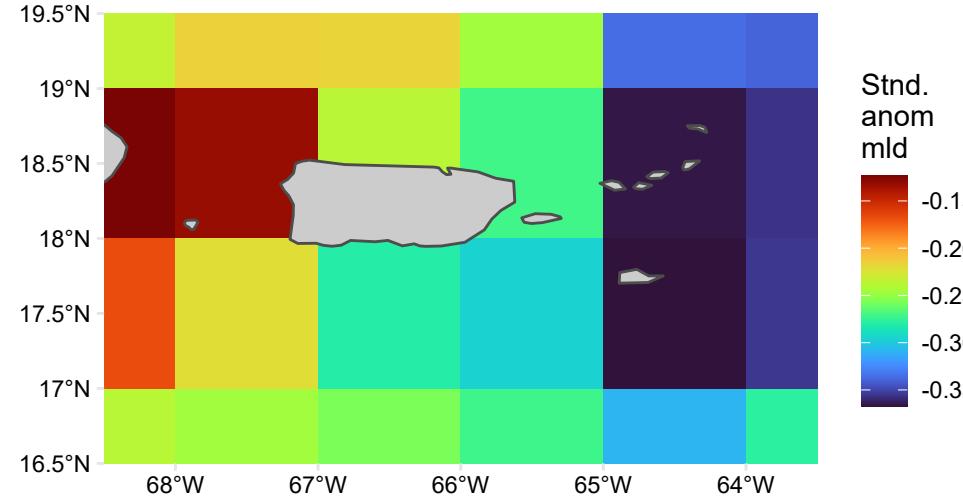
E

### Caribbean Sea: mld



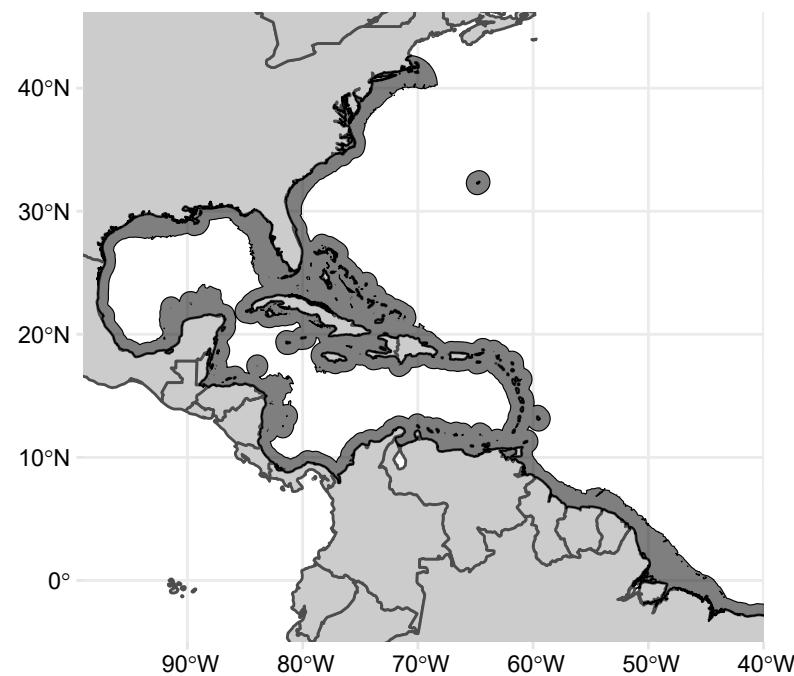
F

### U.S. Caribbean: mld

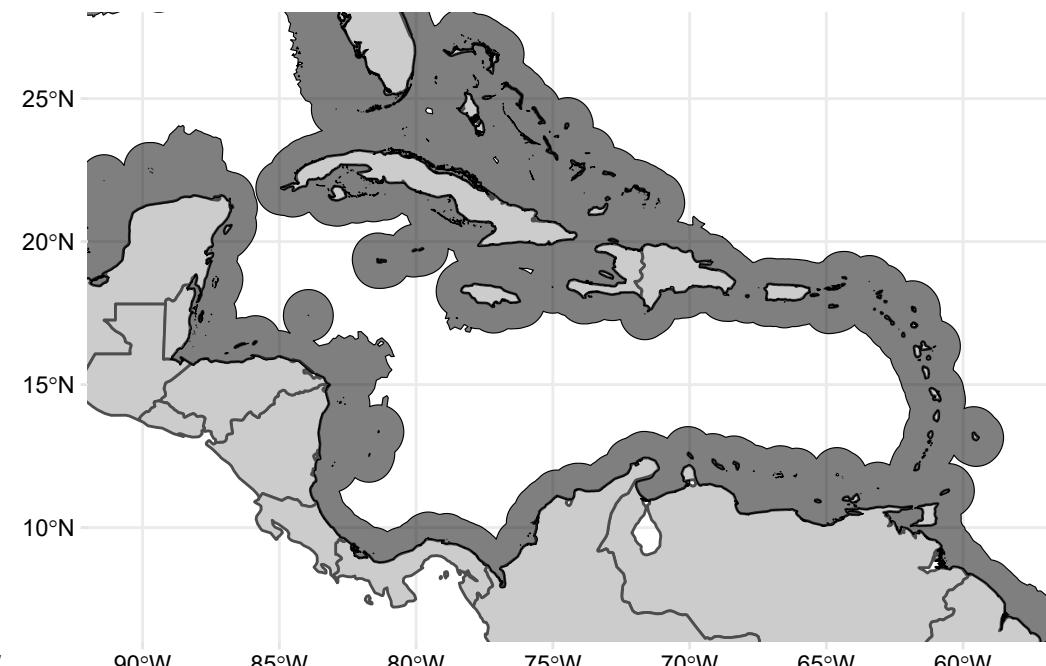


A

### Yellowtail Snapper

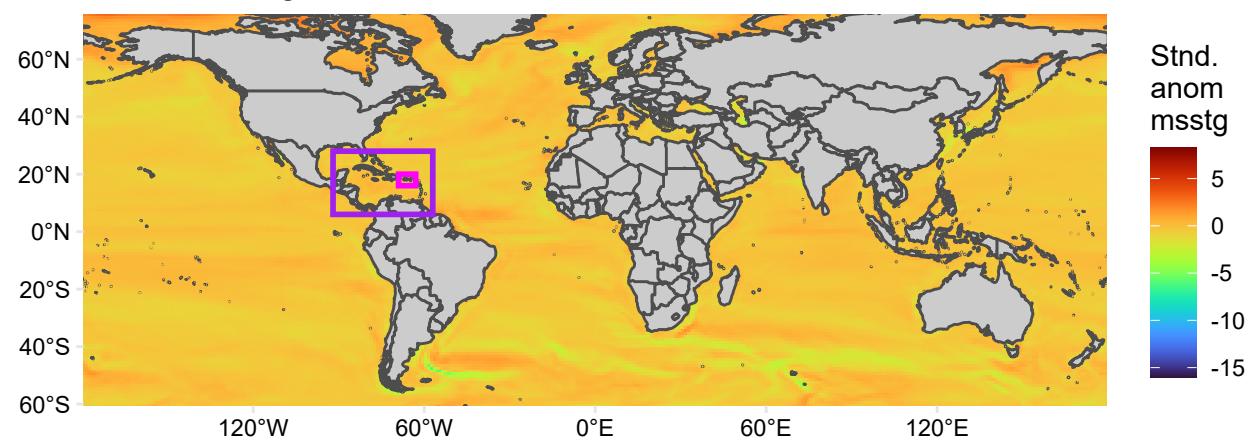


B



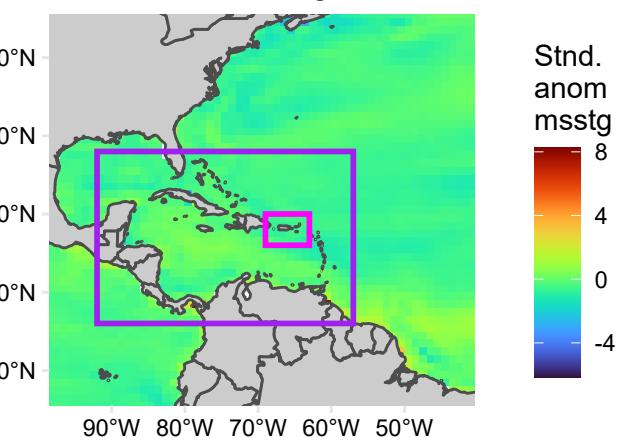
C

### Global: msstg



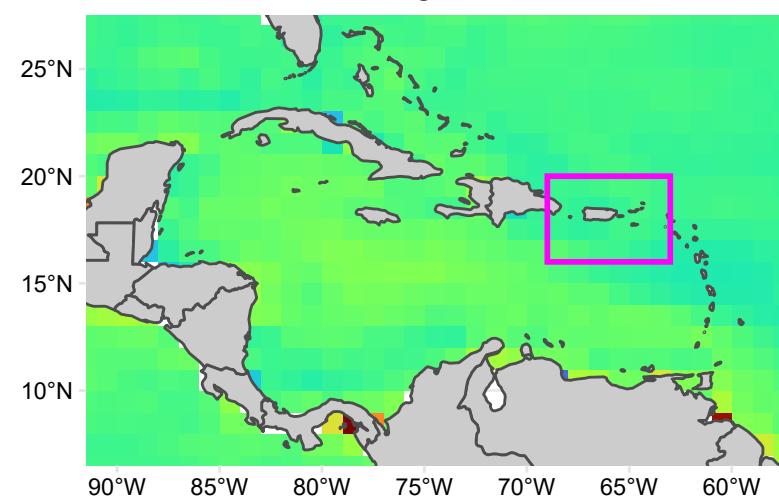
D

### W. Atlantic: msstg



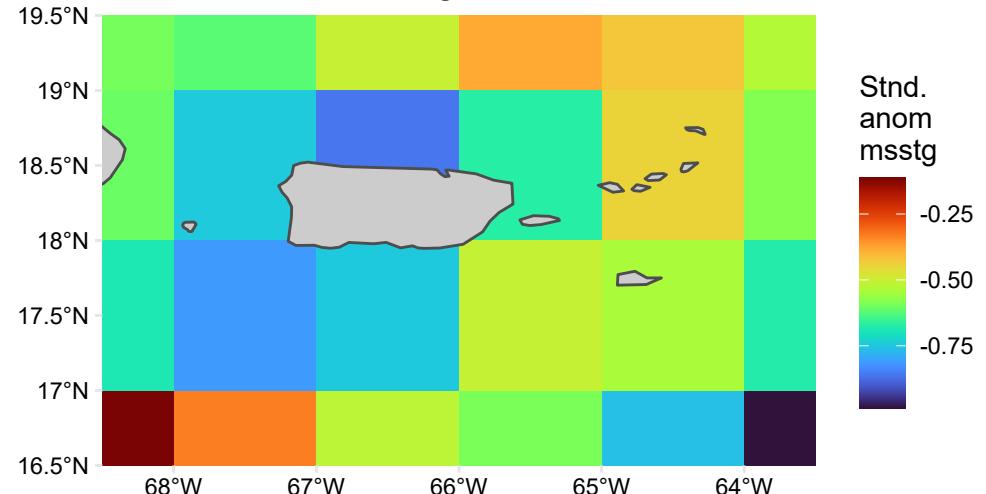
E

### Caribbean Sea: msstg



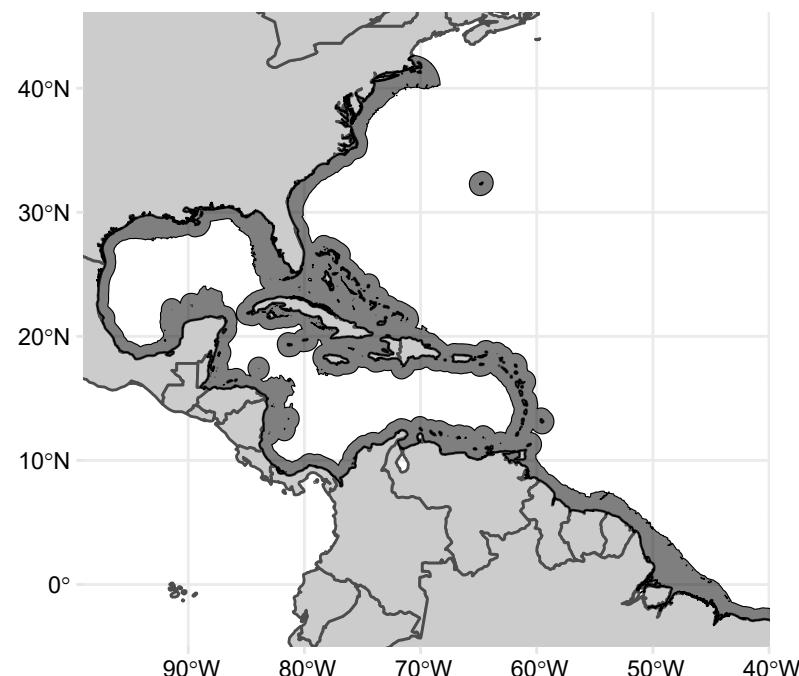
F

### U.S. Caribbean: msstg

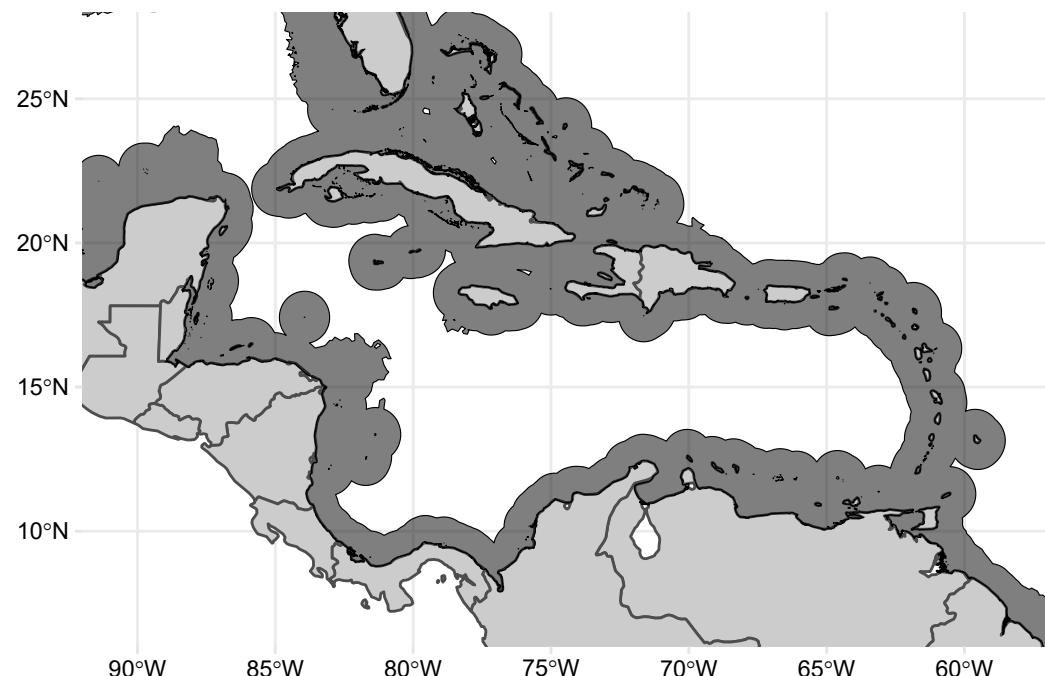


A

### Yellowtail Snapper

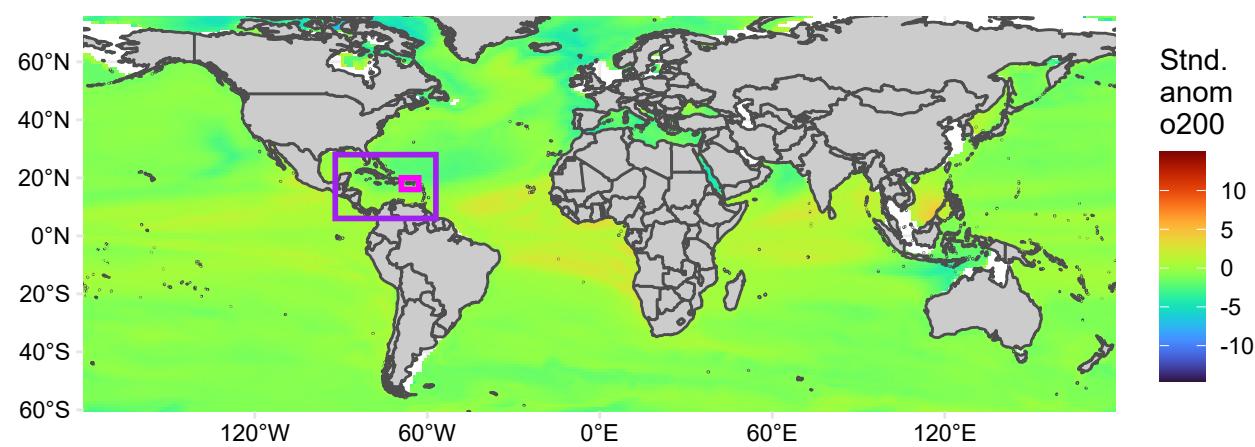


B



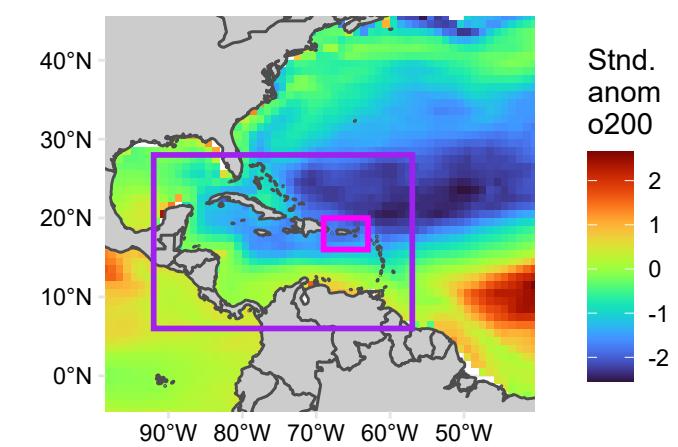
C

### Global: o200



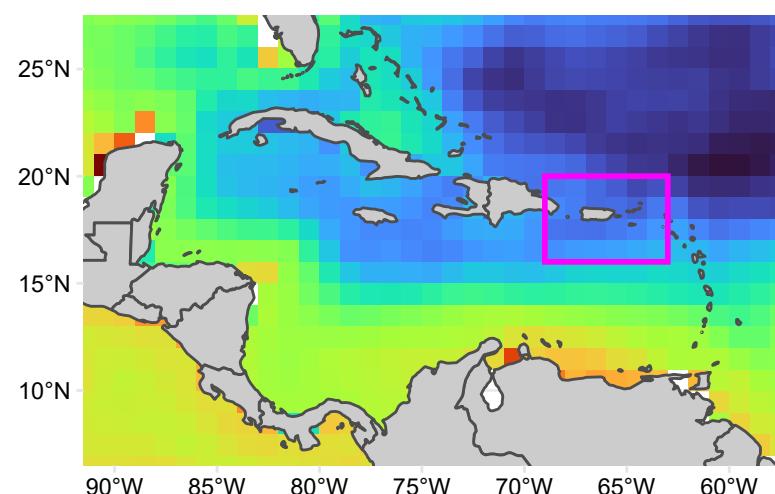
D

### W. Atlantic: o200



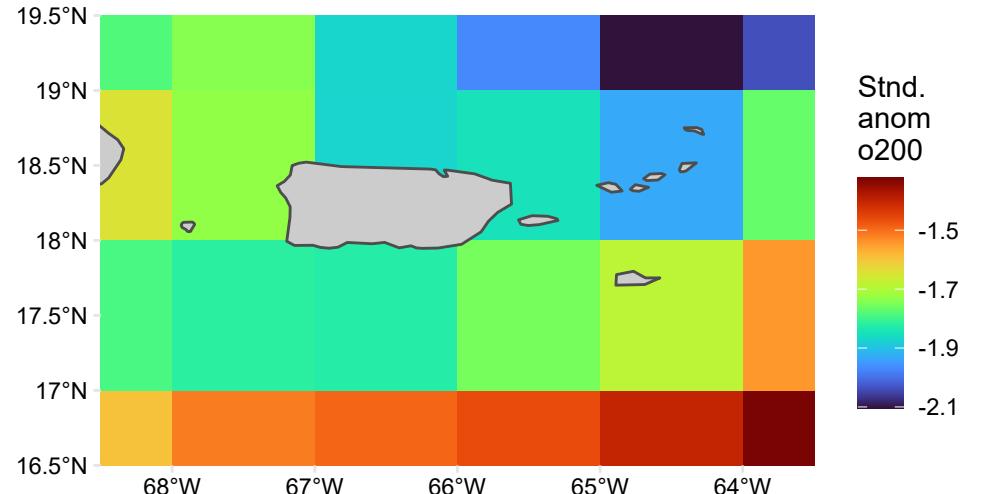
E

### Caribbean Sea: o200



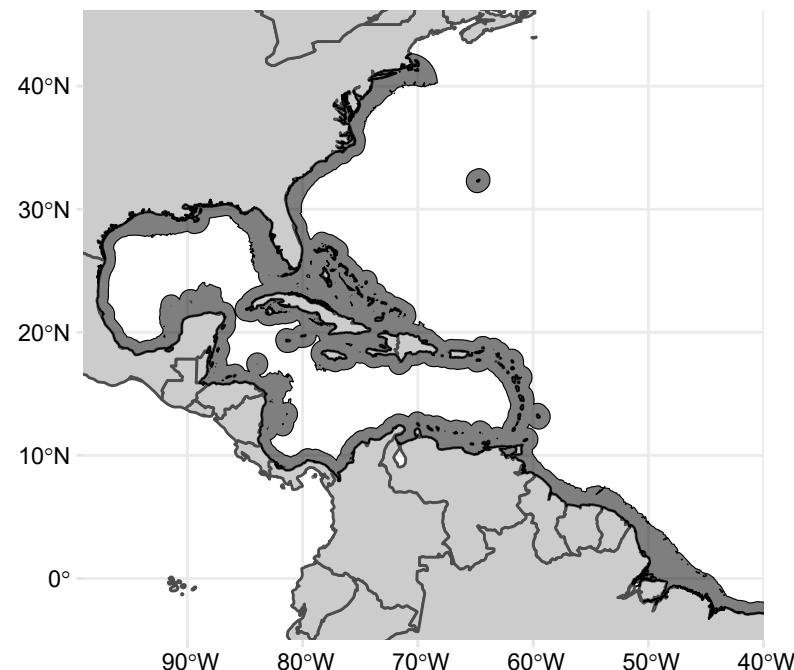
F

### U.S. Caribbean: o200

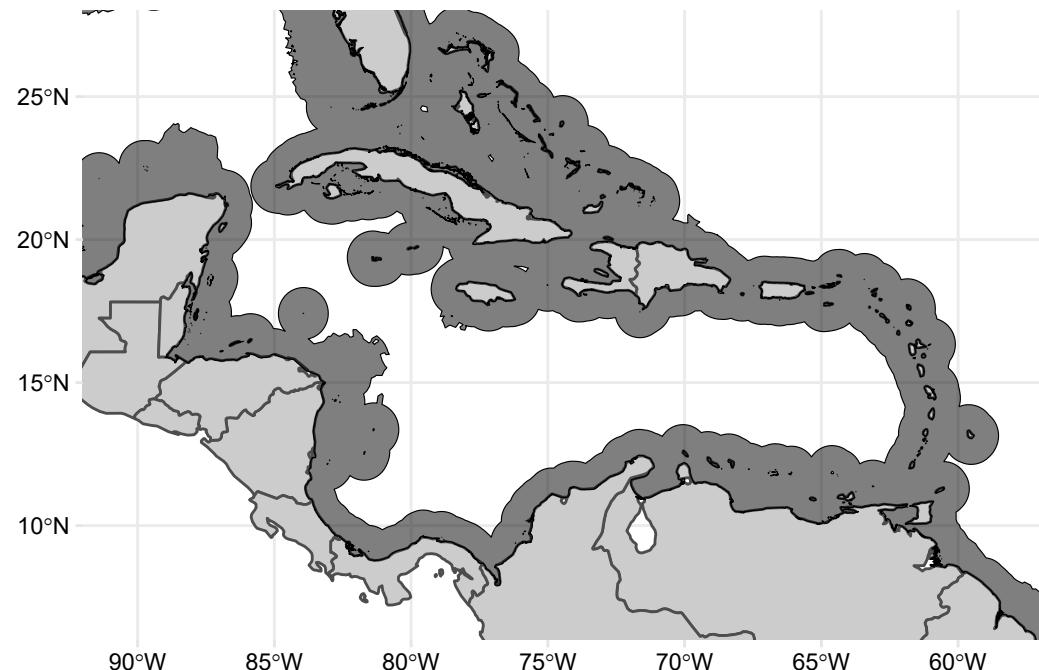


A

### Yellowtail Snapper

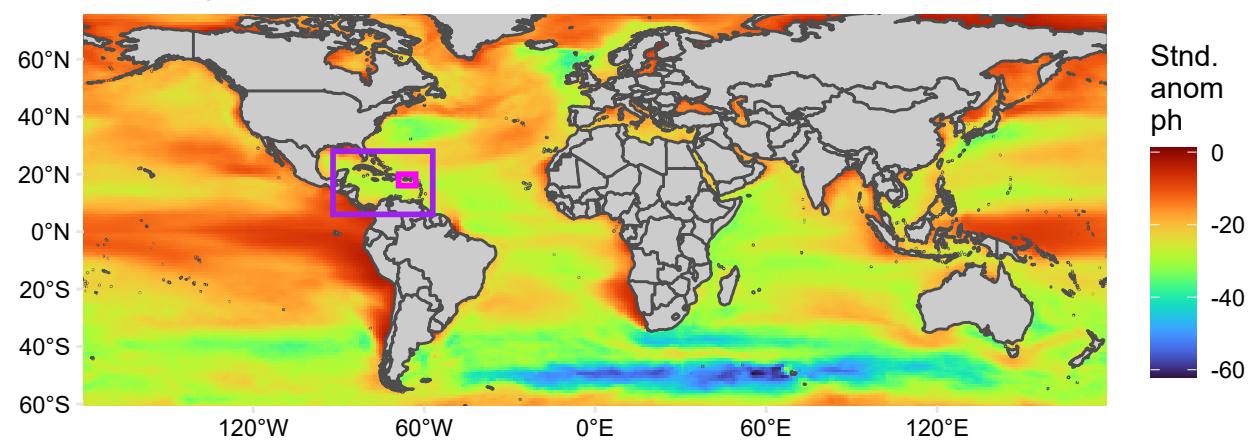


B



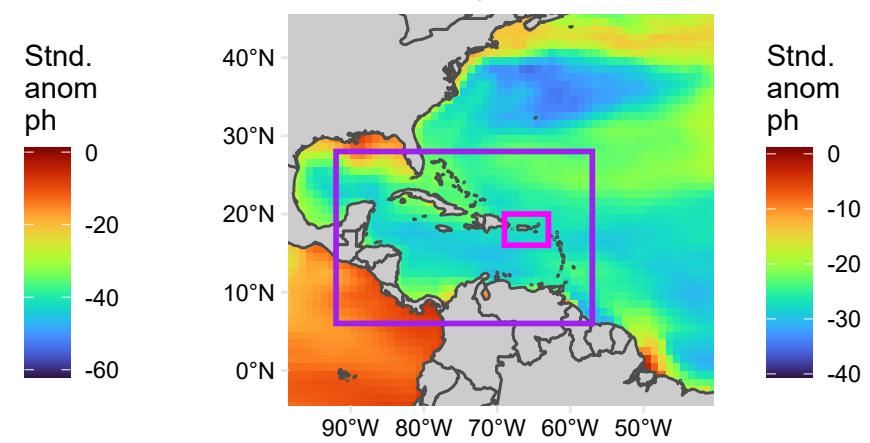
C

### Global: ph



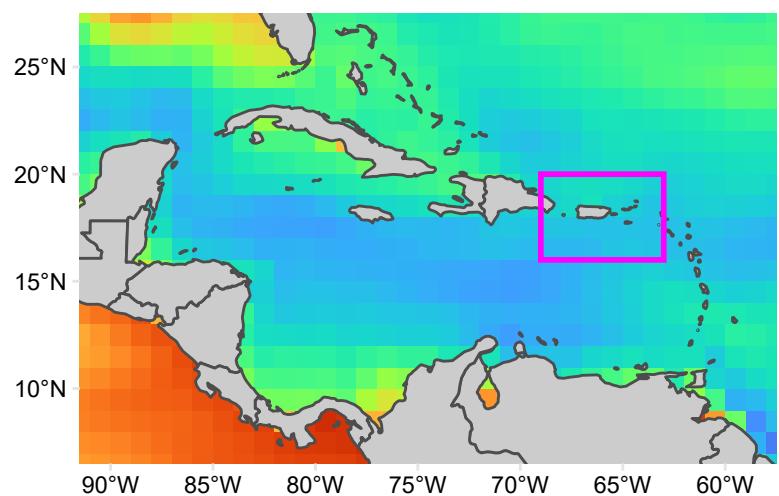
D

### W. Atlantic: ph



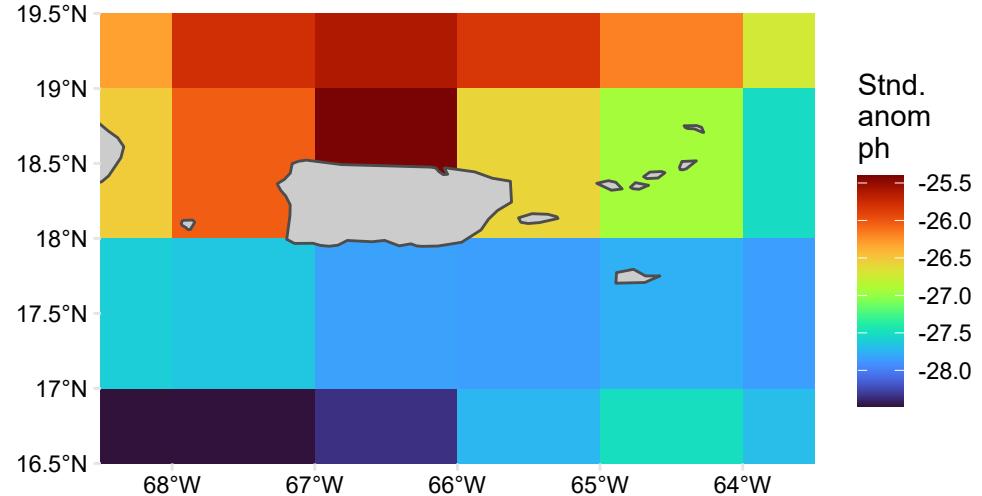
E

### Caribbean Sea: ph



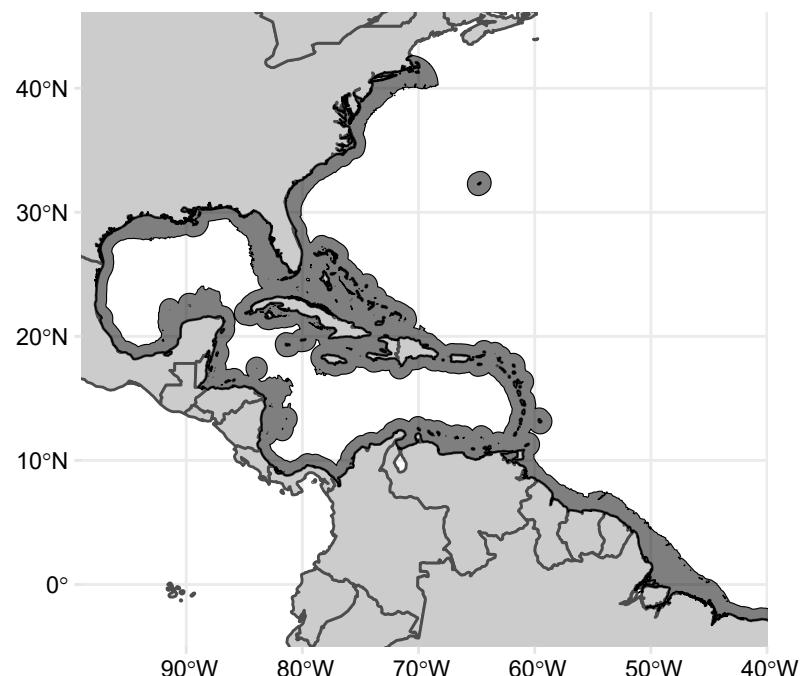
F

### U.S. Caribbean: ph

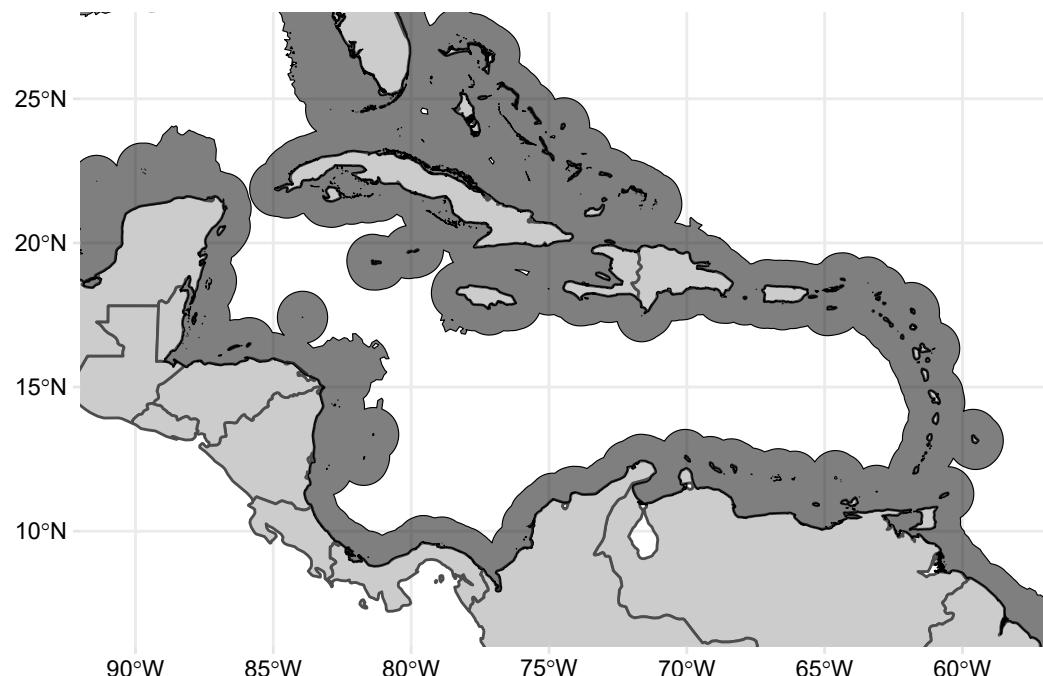


A

### Yellowtail Snapper

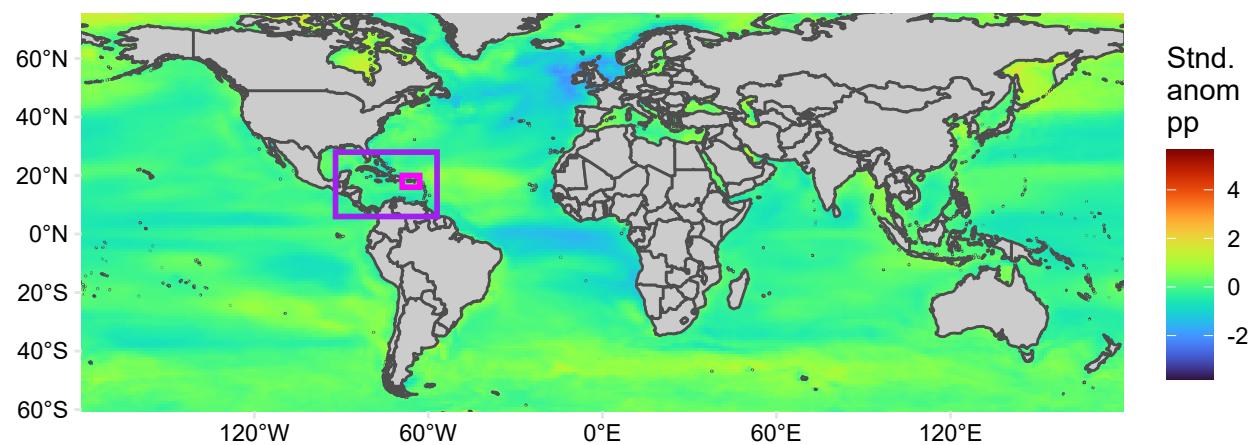


B



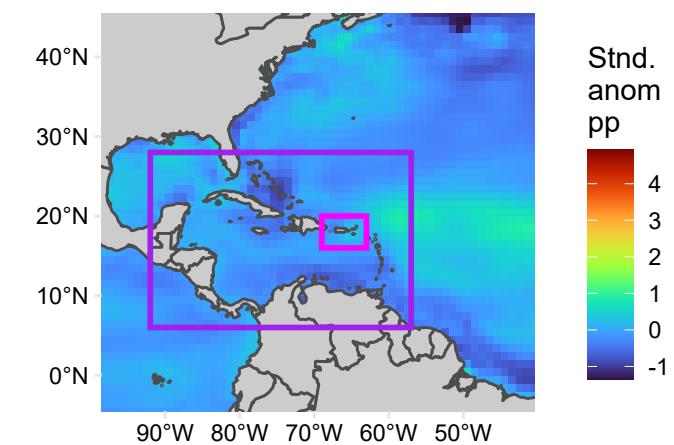
C

### Global: pp



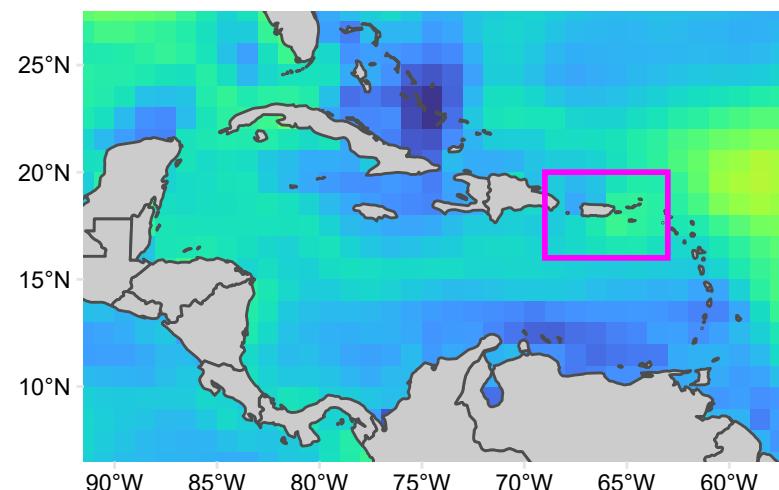
D

### W. Atlantic: pp



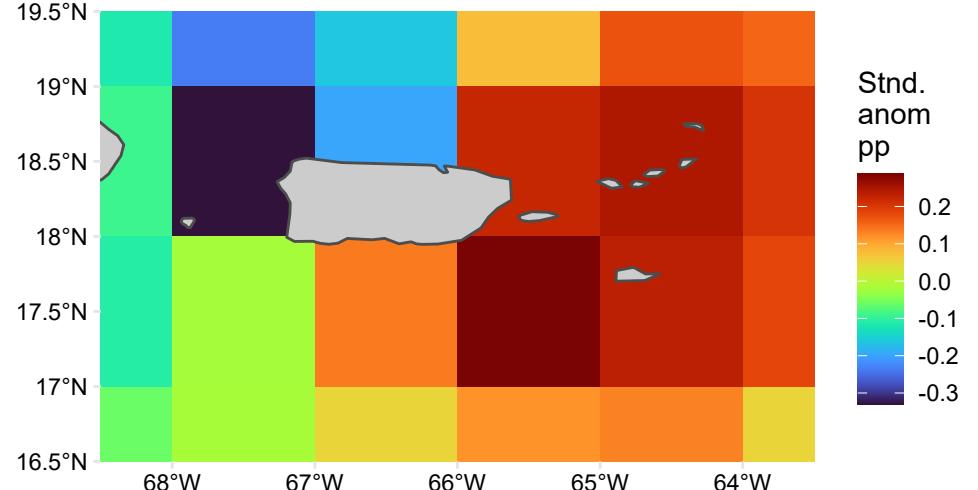
E

### Caribbean Sea: pp



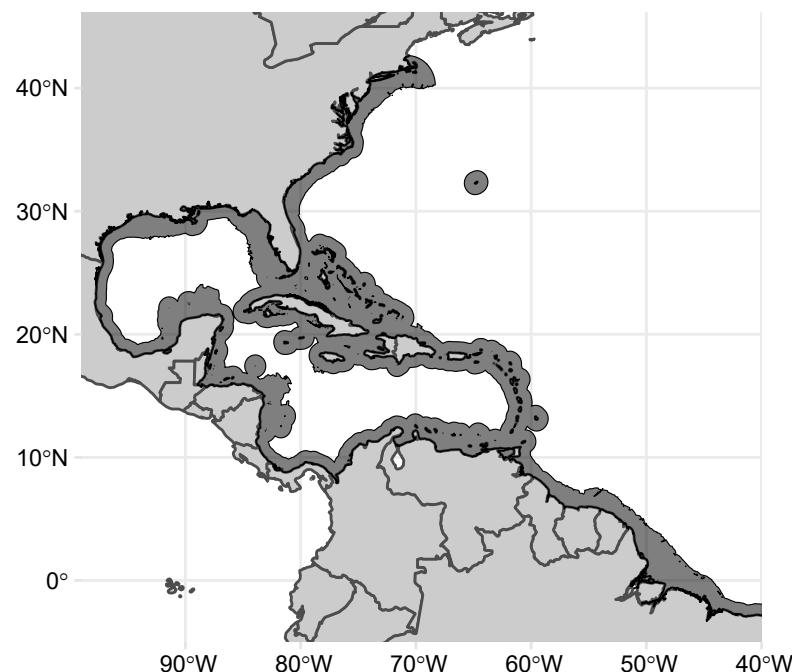
F

### U.S. Caribbean: pp

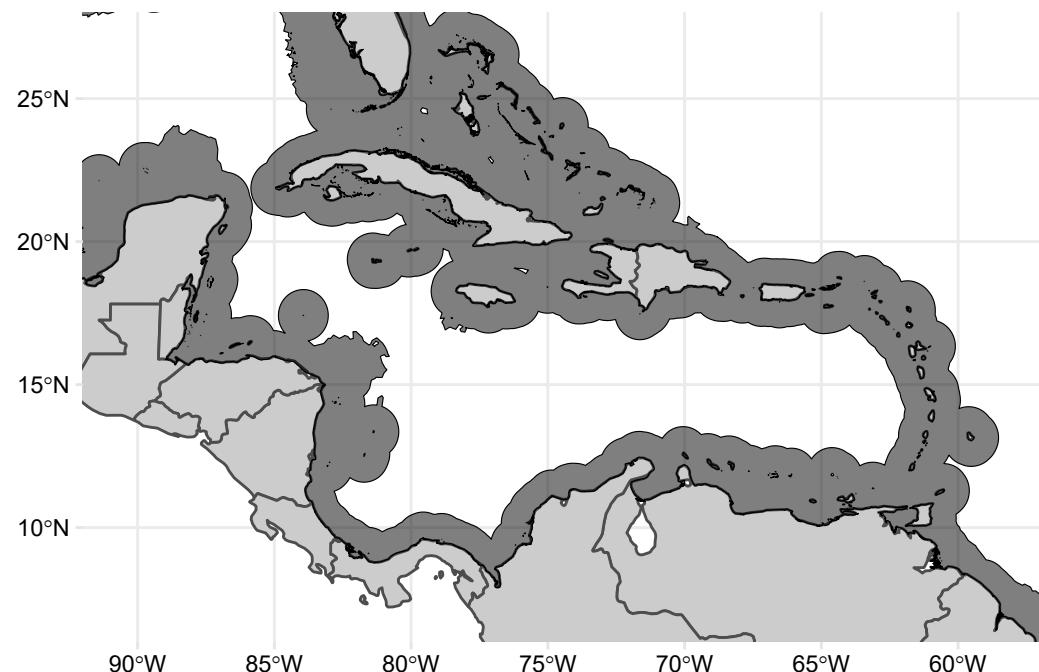


A

### Yellowtail Snapper

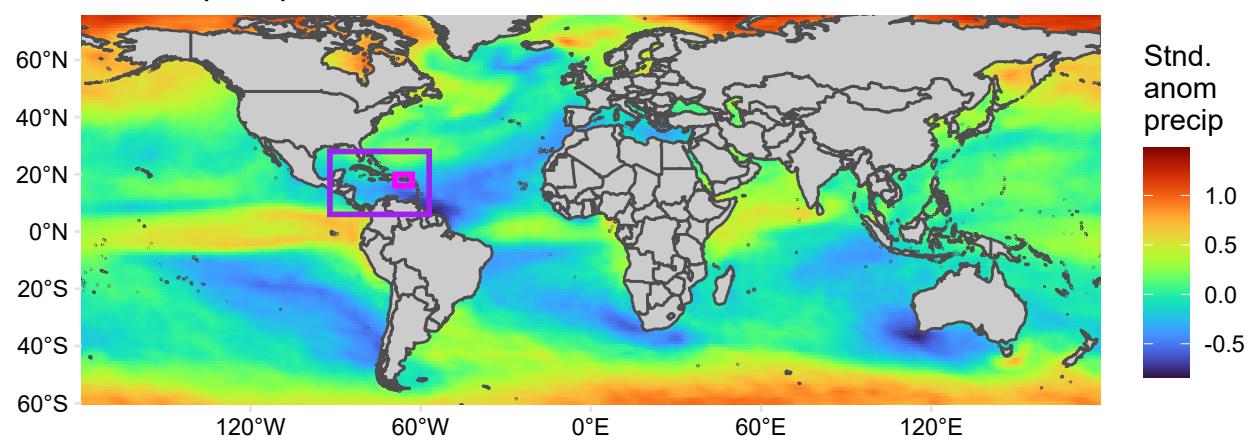


B



C

### Global: precip

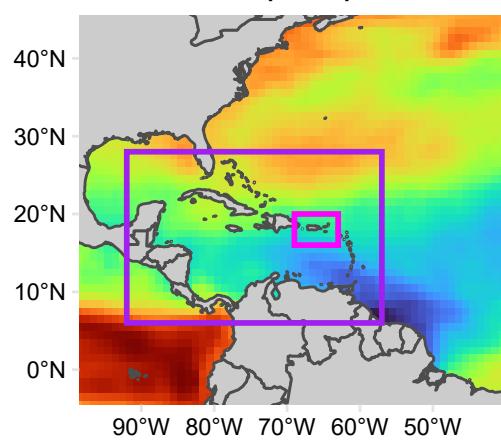


Stnd.  
anom  
precip

1.0  
0.5  
0.0  
-0.5

D

### W. Atlantic: precip

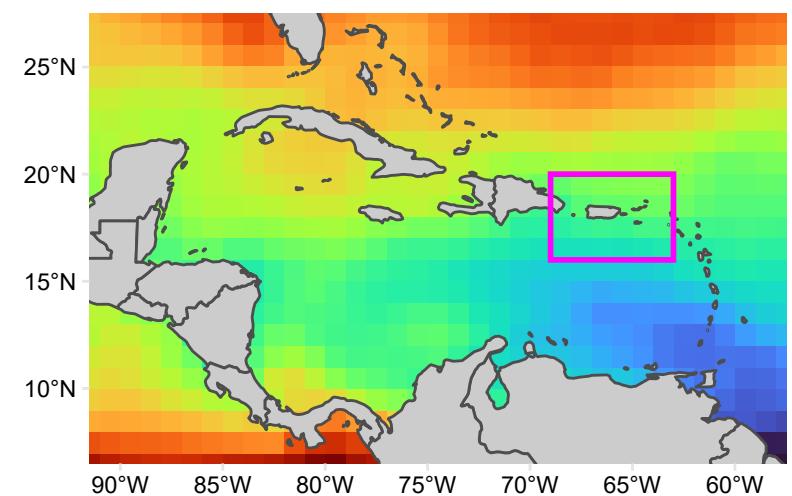


Stnd.  
anom  
precip

0.4  
0.0  
-0.4  
-0.8

E

### Caribbean Sea: precip

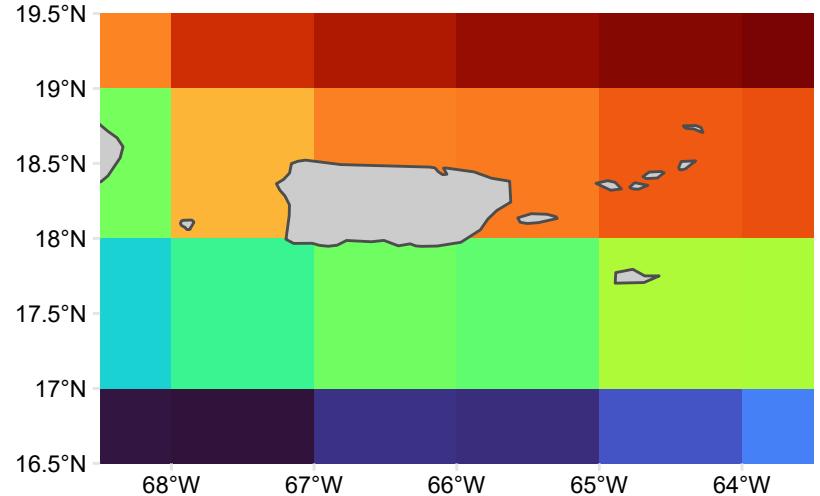


Stnd.  
anom  
precip

0.4  
0.0  
-0.4  
-0.8

F

### U.S. Caribbean: precip

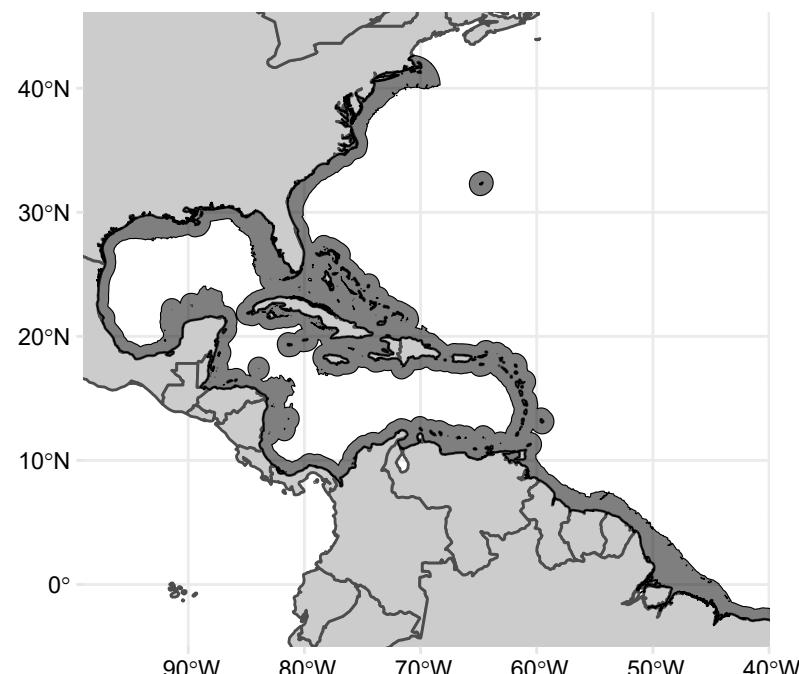


Stnd.  
anom  
precip

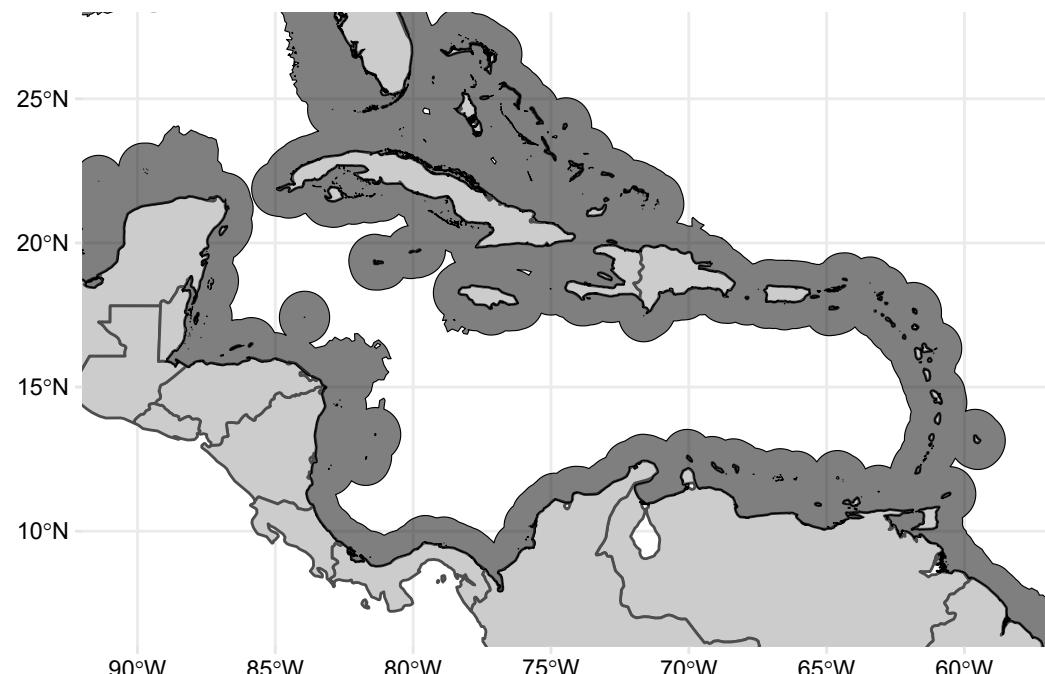
-0.25  
-0.30  
-0.35  
-0.40

A

### Yellowtail Snapper

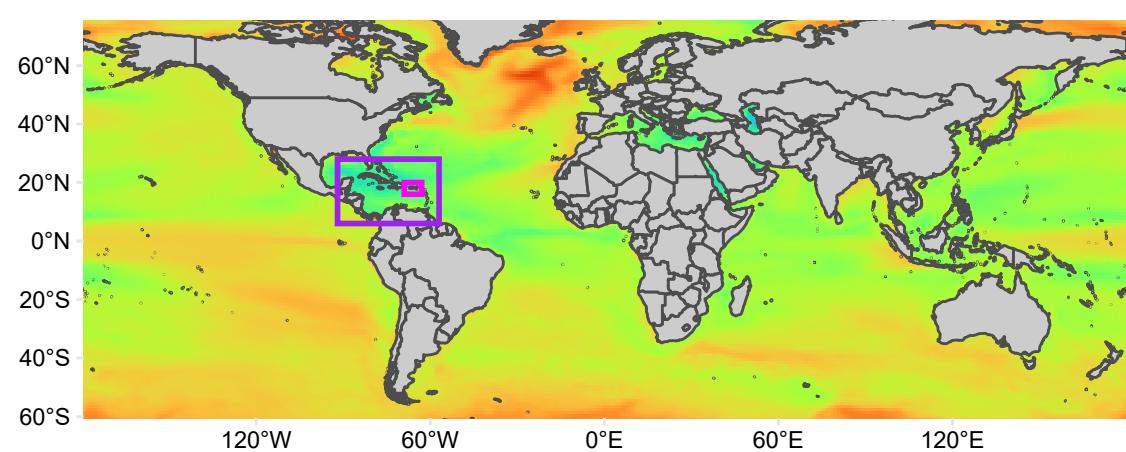


B



C

### Global: sso

D

### W. Atlantic: sso

A zoomed-in map of the Western Atlantic from 90°W to 50°W and 0°N to 40°N. The purple rectangular box from Map C is centered over the Caribbean Sea and the Gulf of Mexico. The color scale for Standard Anomaly (SSO) ranges from -7.5 (dark blue) to 0.0 (dark red).

E

### Caribbean Sea: sso

A zoomed-in map of the Caribbean Sea from 90°W to 60°W and 10°N to 25°N. The purple rectangular box is centered over the northern Caribbean. The color scale for Standard Anomaly (SSO) ranges from -7.5 (dark blue) to 0.0 (dark red).

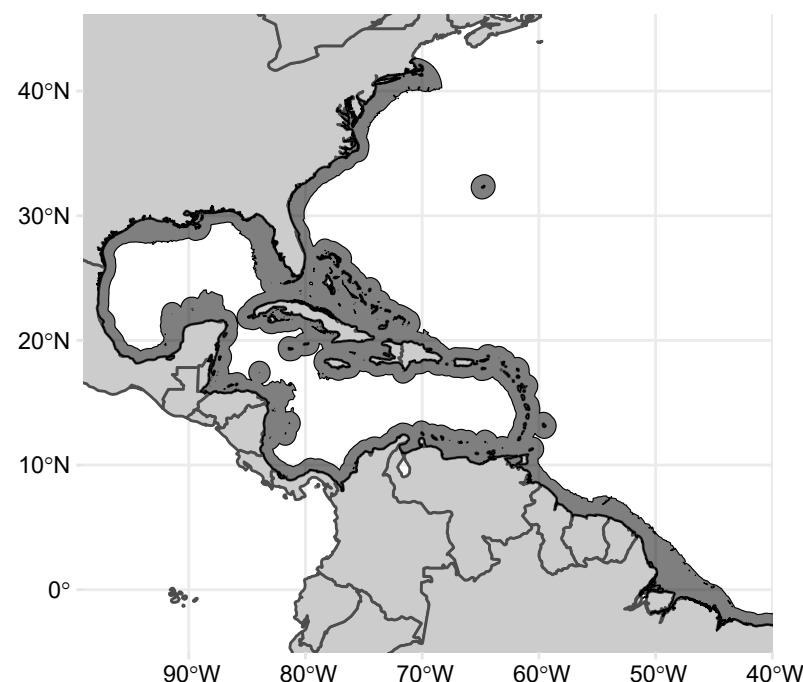
F

### U.S. Caribbean: sso

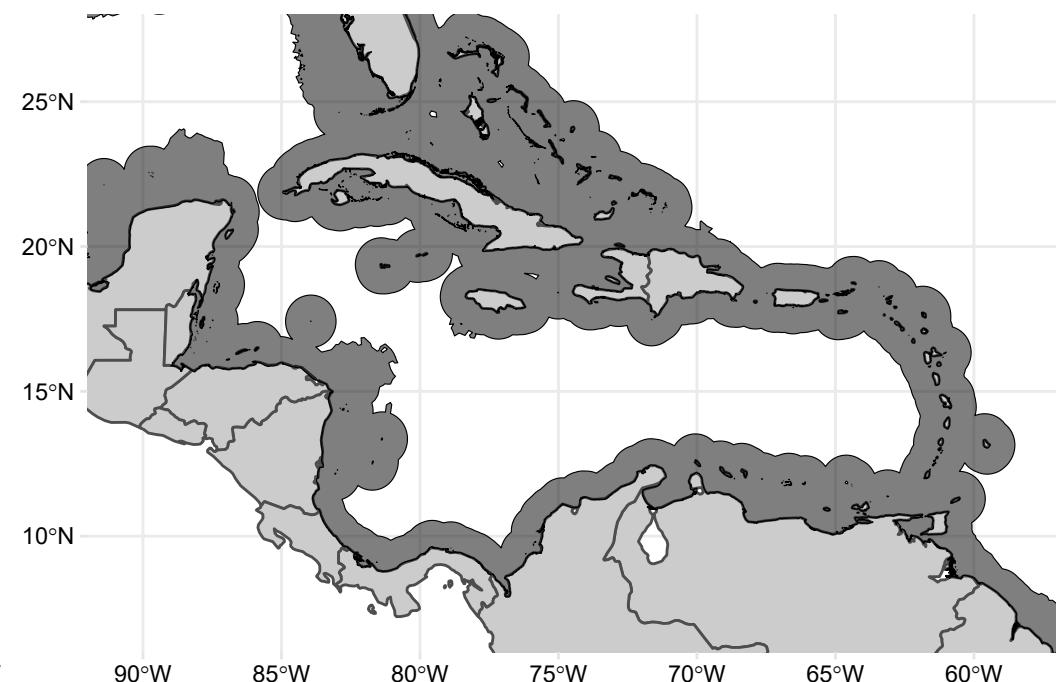
A highly detailed map of the U.S. Caribbean region from 68°W to 64°W and 16.5°N to 19.5°N. The purple rectangular box is centered over the Puerto Rican Trench. The color scale for Standard Anomaly (SSO) ranges from -4.2 (dark purple) to -3.6 (dark red).

A

### Yellowtail Snapper

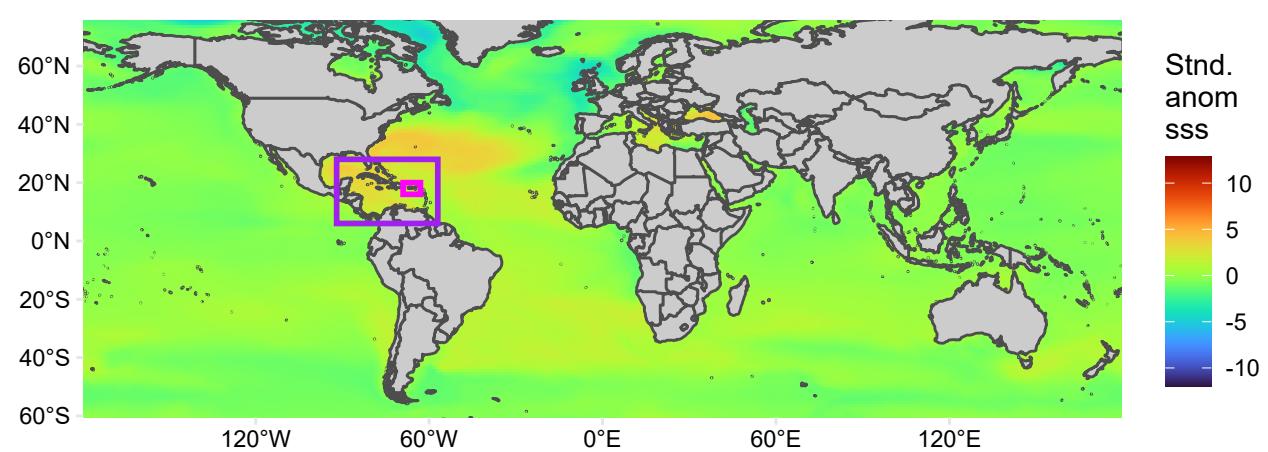


B



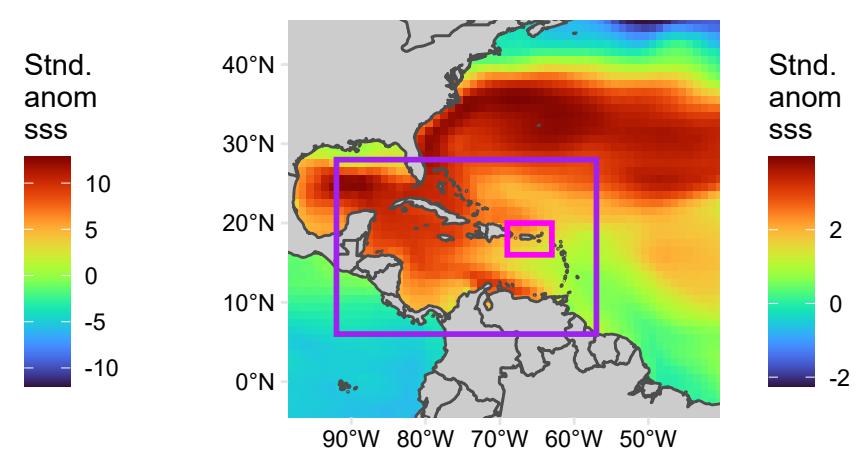
C

### Global: sss



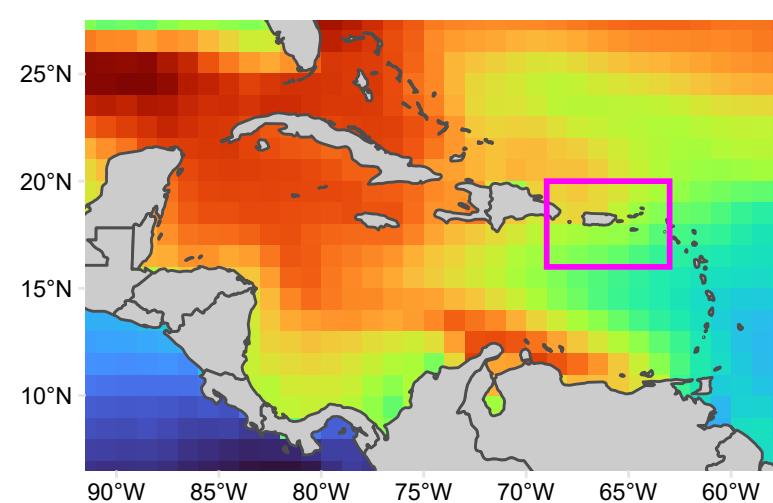
D

### W. Atlantic: sss



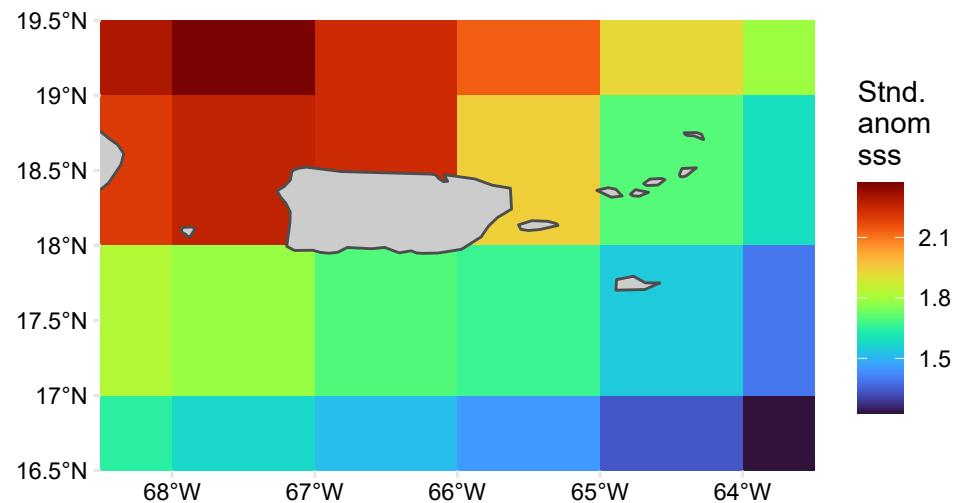
E

### Caribbean Sea: sss



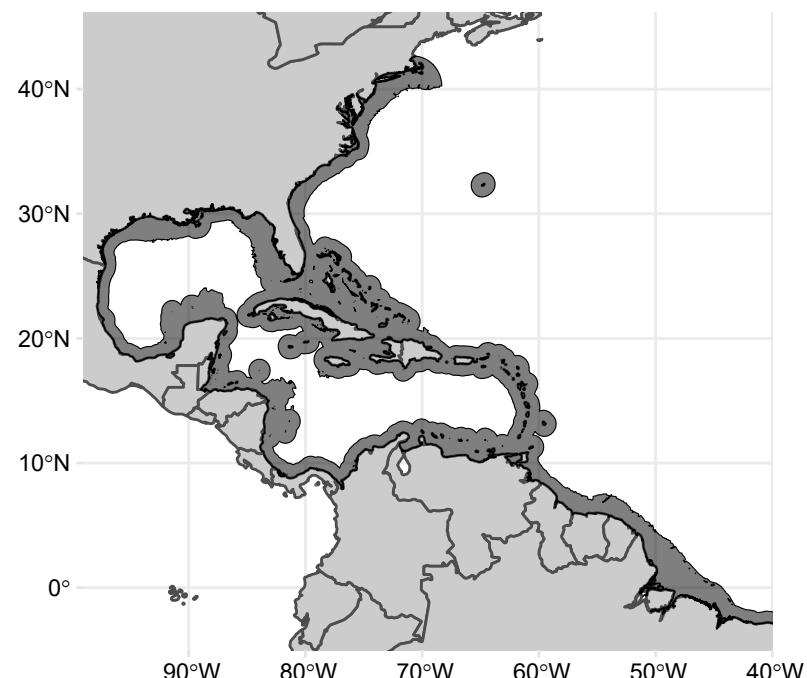
F

### U.S. Caribbean: sss

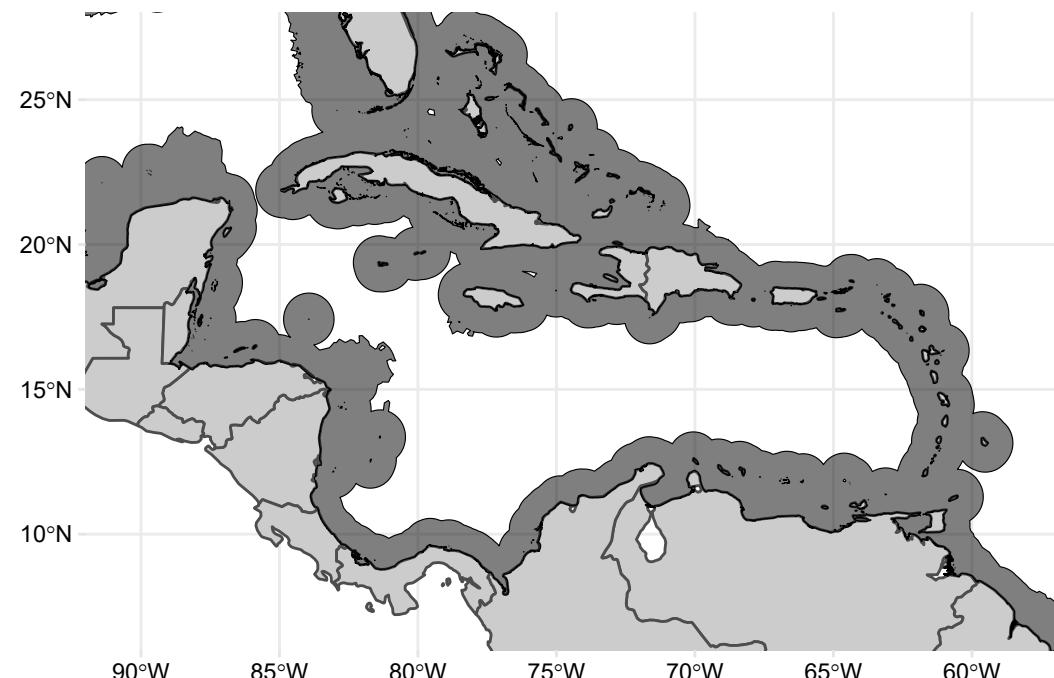


A

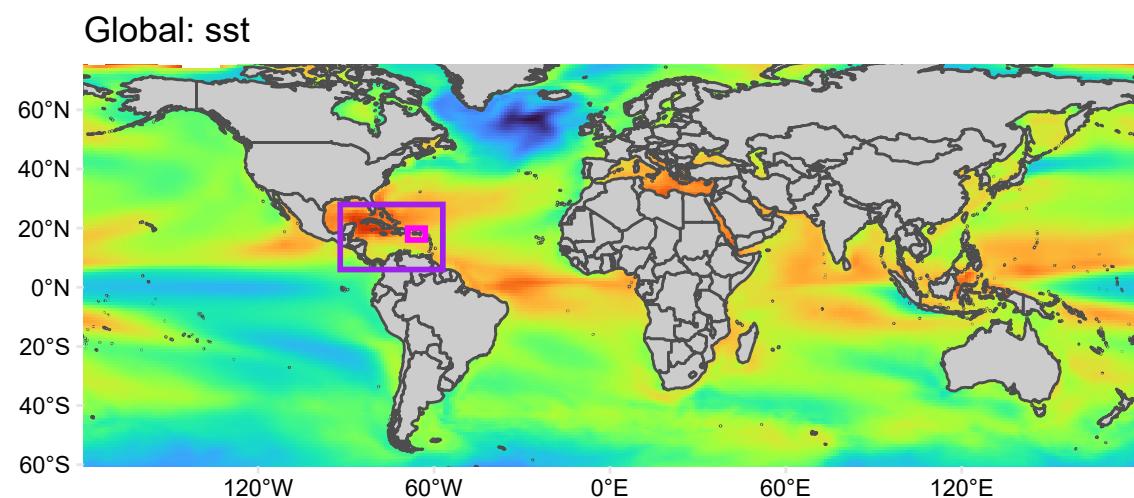
### Yellowtail Snapper



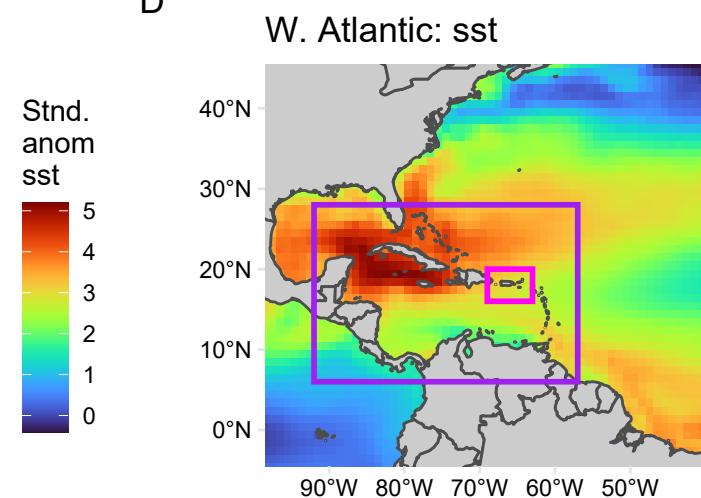
B



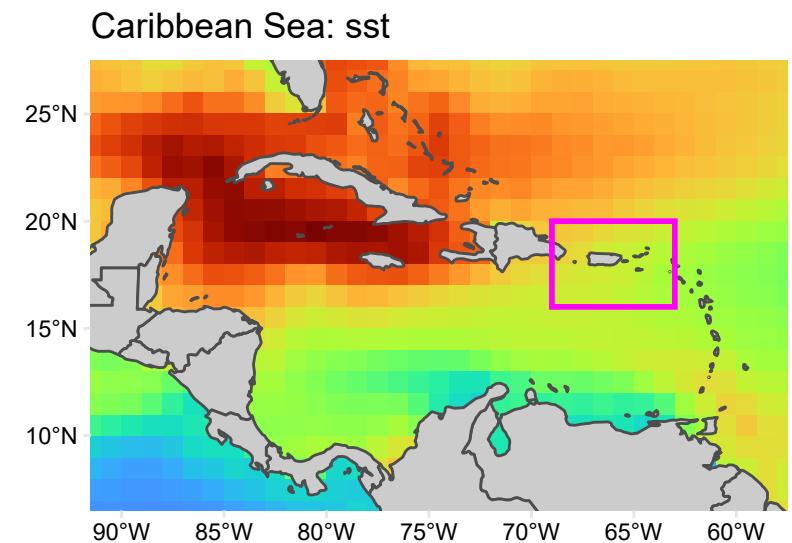
C



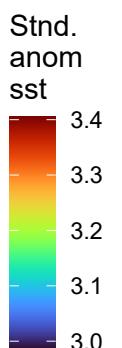
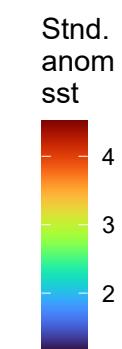
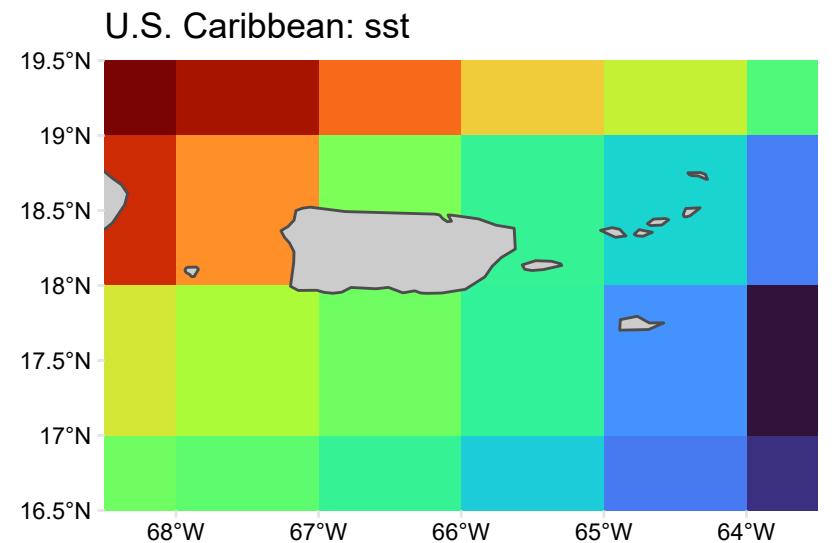
D



E

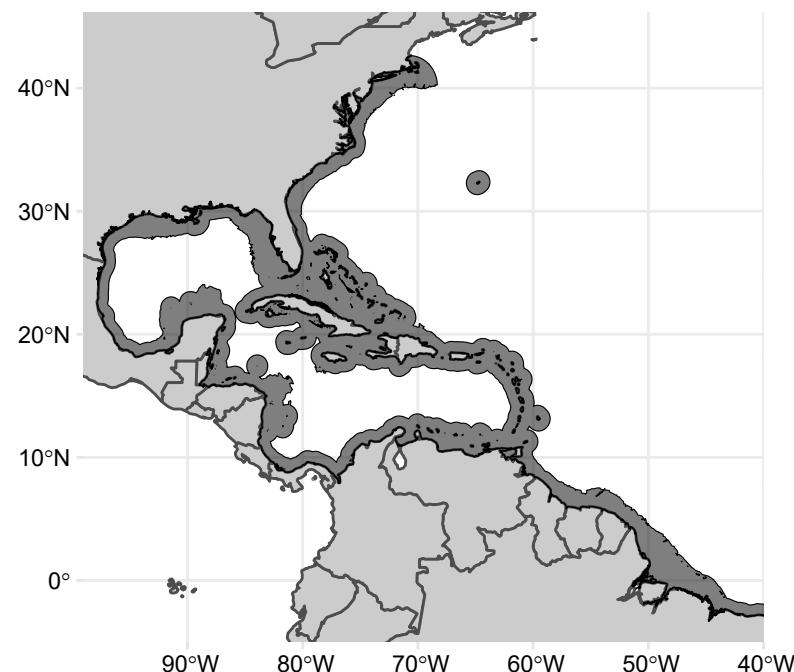


F

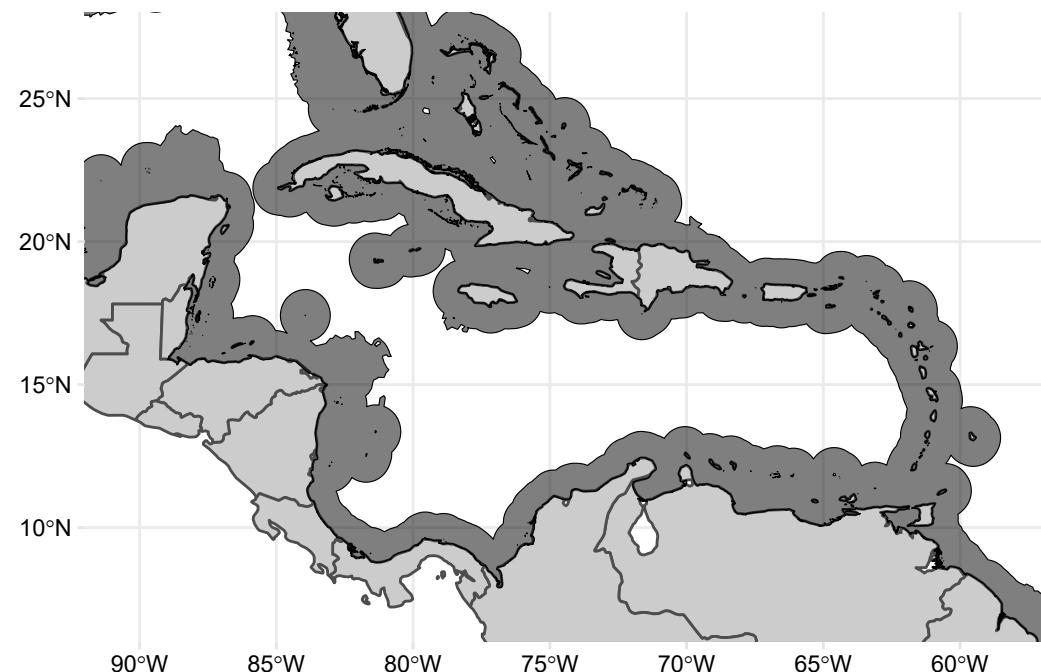


A

### Yellowtail Snapper

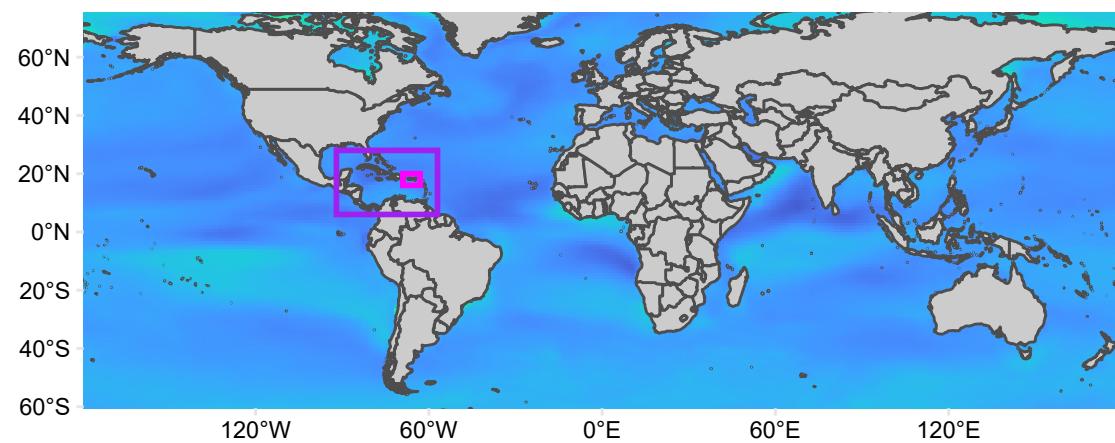


B



C

### Global: sswm

D

### W. Atlantic: sswm

A zoomed-in view of the Western Atlantic region from 90°W to 50°W and 0°N to 40°N. The purple box from panel C is centered on the Caribbean Sea. A color scale bar indicates the range of anomalies from -1 to 2.

E

### Caribbean Sea: sswm

A detailed view of the Caribbean Sea from 90°W to 60°W and 10°N to 25°N. The purple box from panel D is centered on the northern Caribbean. A color scale bar indicates the range of anomalies from -1 to 2.

F

### U.S. Caribbean: sswm

A highly detailed map of the U.S. Caribbean region from 68°W to 64°W and 16.5°N to 19.5°N. The purple box from panel E is centered on the island of Puerto Rico. A color scale bar indicates the range of anomalies from -0.45 to -0.30.