Regional Models off the U.S. East & West Coasts

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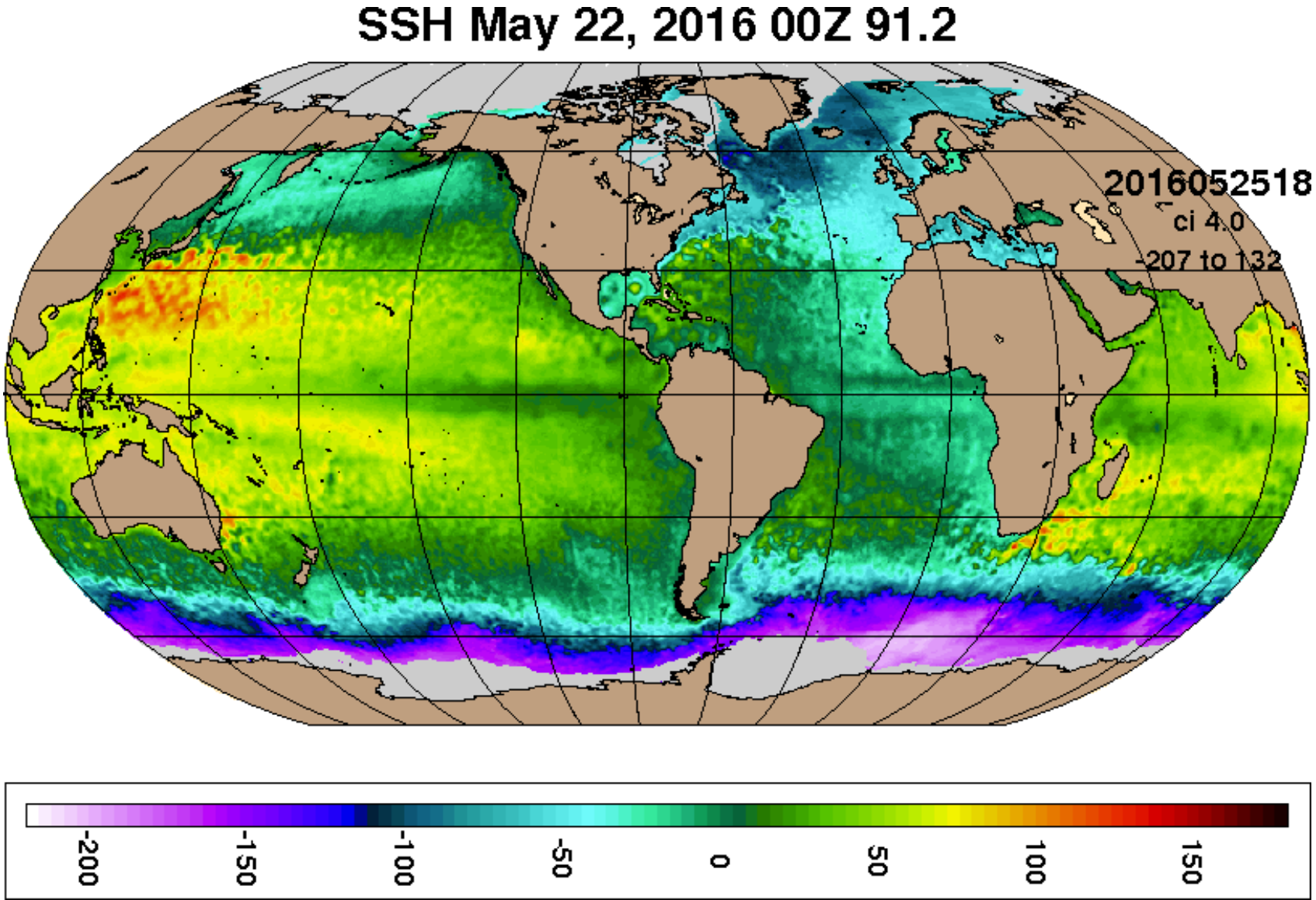
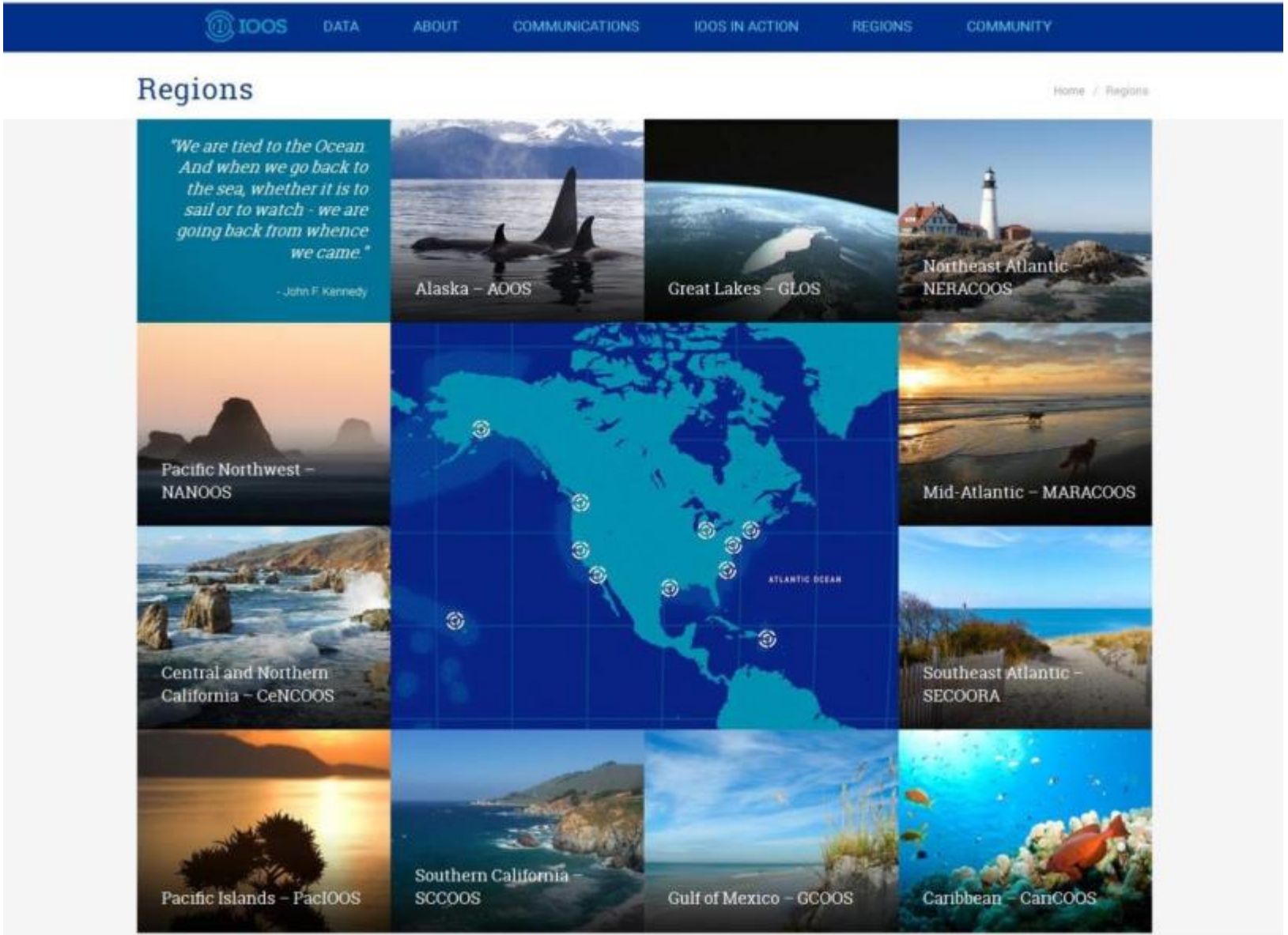
Pasadena, California, USA

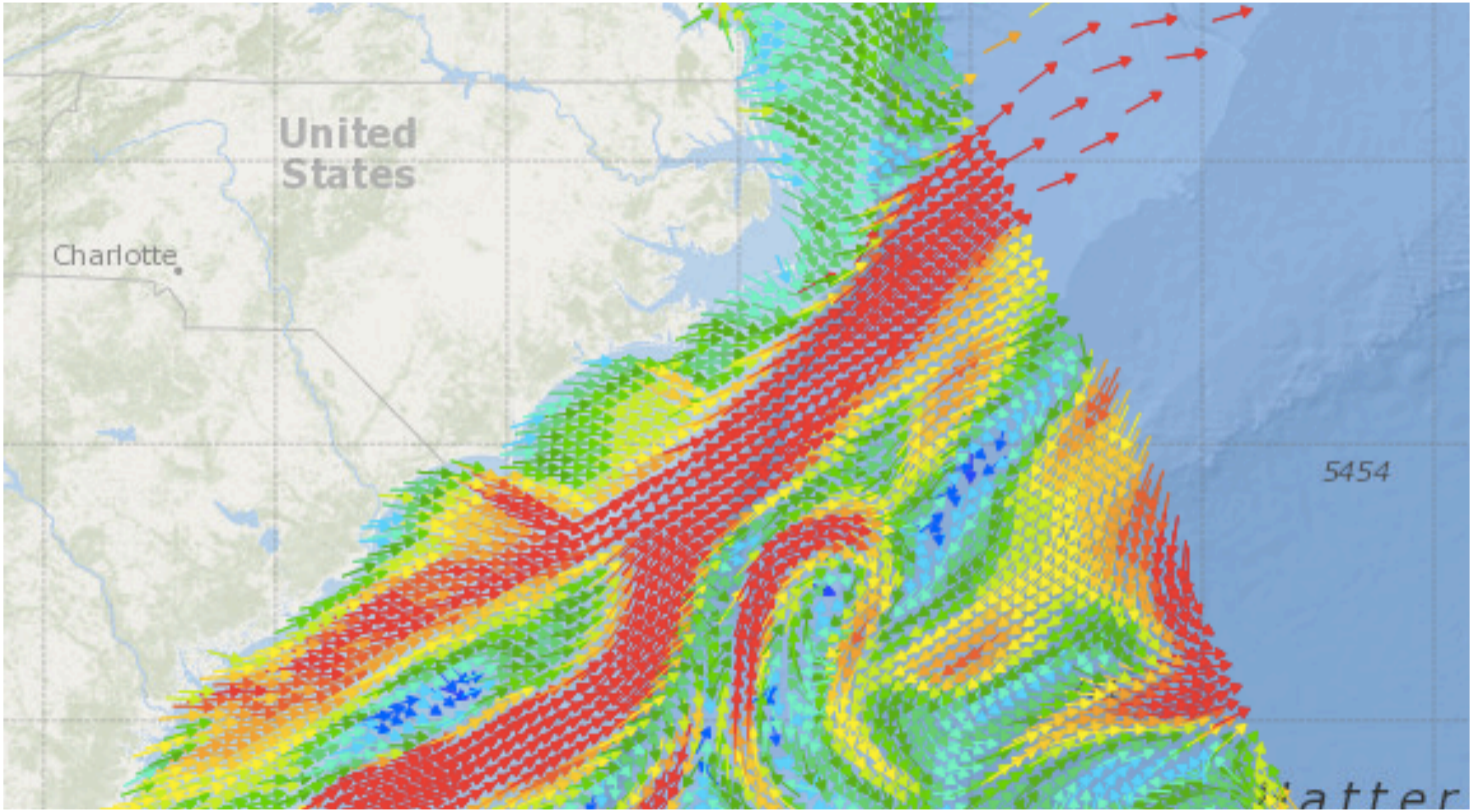
Global HYCOM (NAVO, NOAA)
1/12°, 1/24°, with tides



Integrated Ocean Observing System (IOOS): 11 Regional Associations

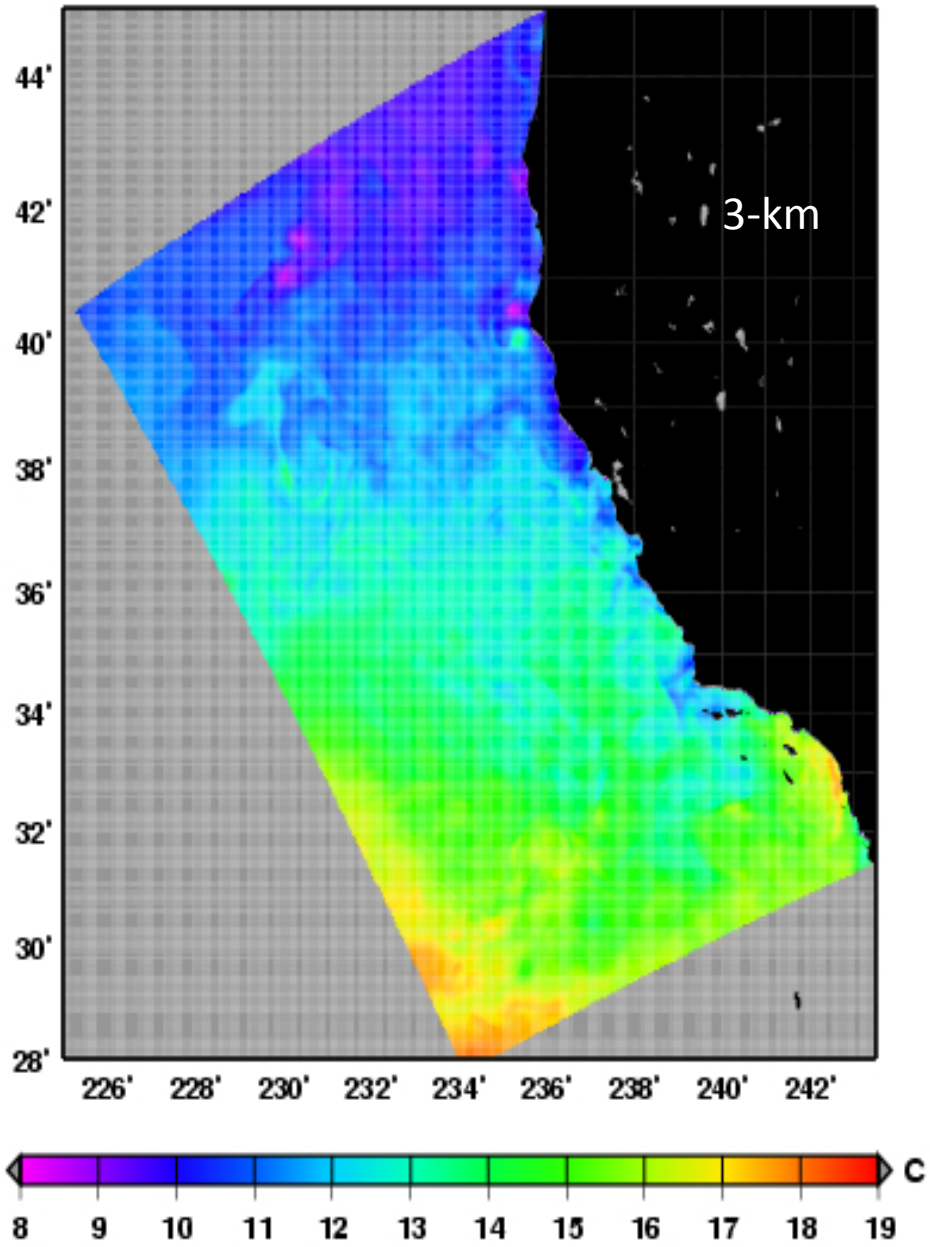


East Coast ROMS



The Mid-Atlantic Coastal Ocean Observing System (MARACOOS)

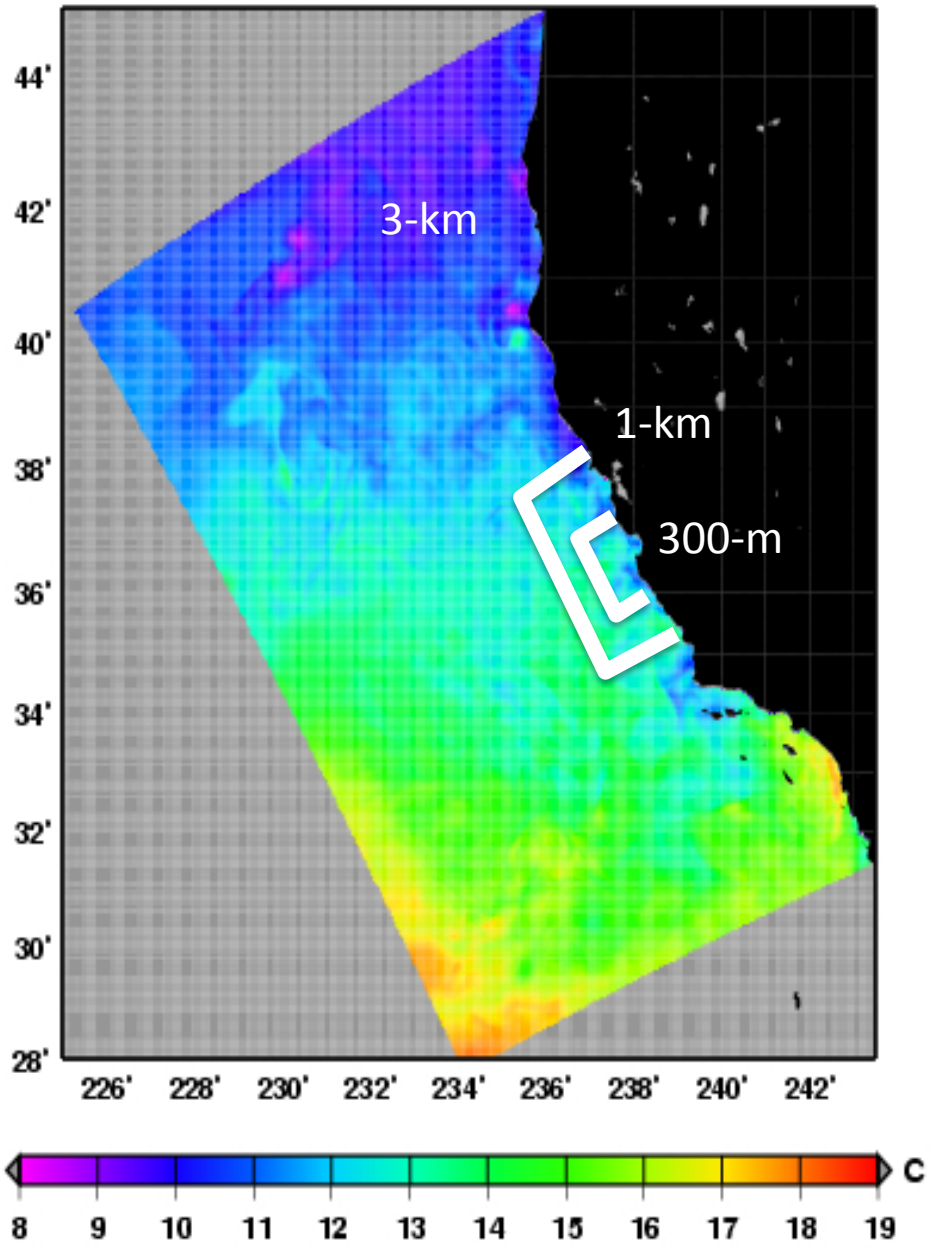
West Coast ROMS



Central and Northern California Ocean Observing System (CeNCOOS)

Southern California Coastal Ocean Observing System (SCCOOS)

West Coast ROMS

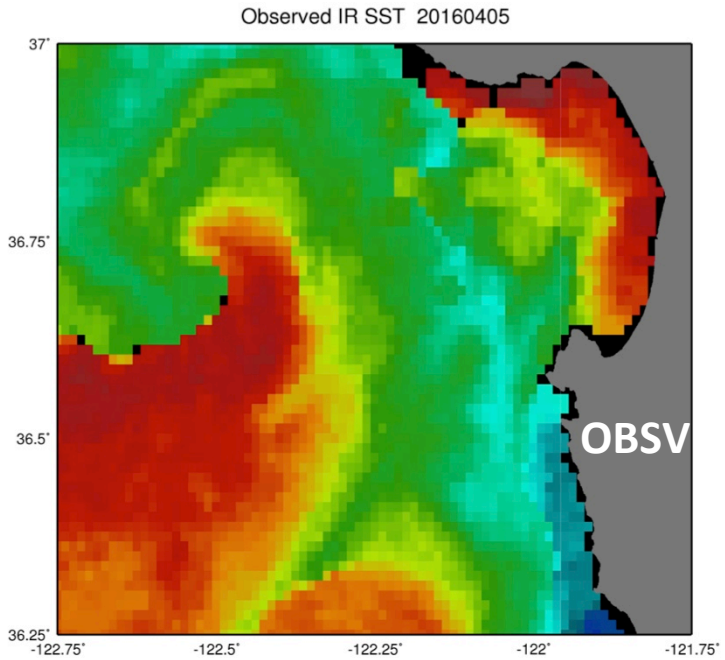


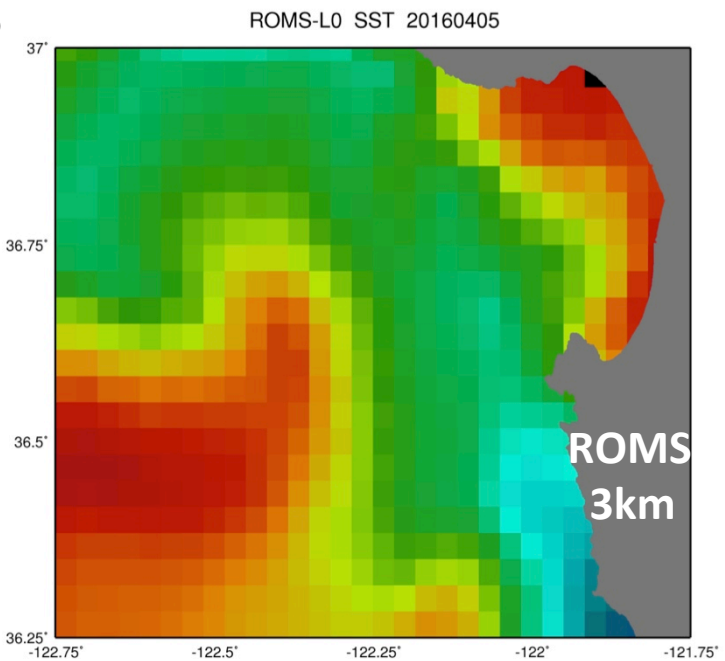
online one-way nesting

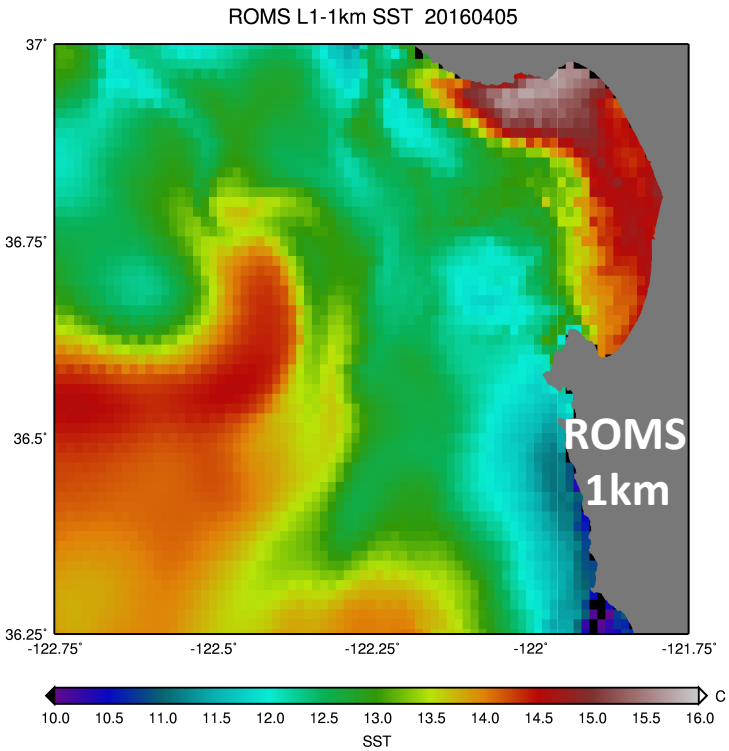
Central and Northern California Ocean Observing System (CeNCOOS)

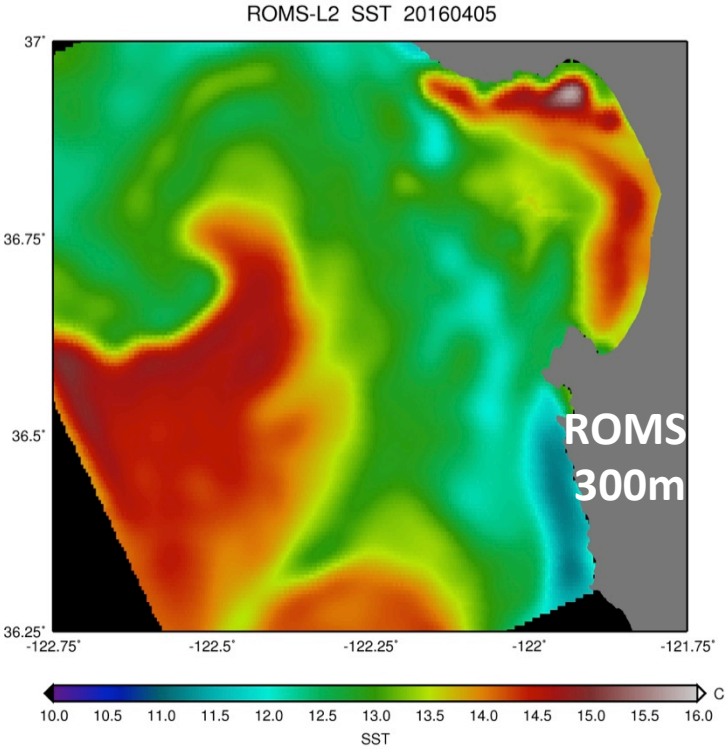
Southern California Coastal Ocean Observing System (SCCOOS)

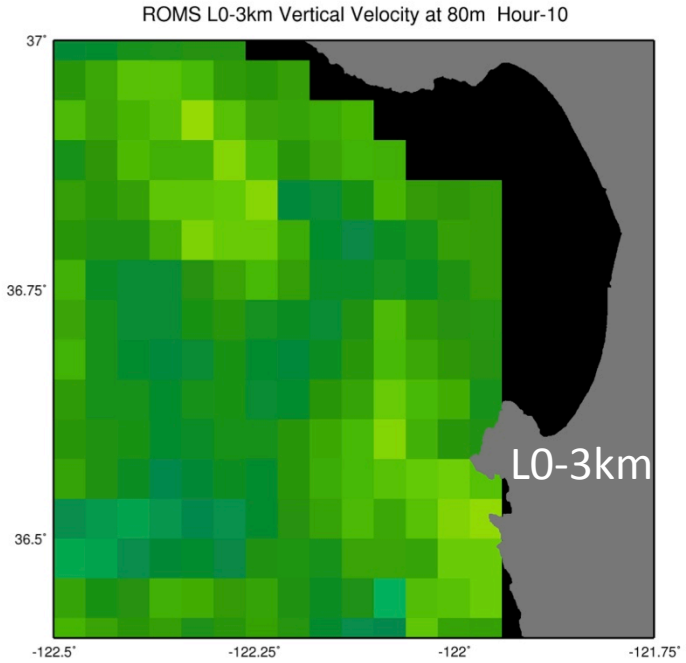
5 Apr 2016

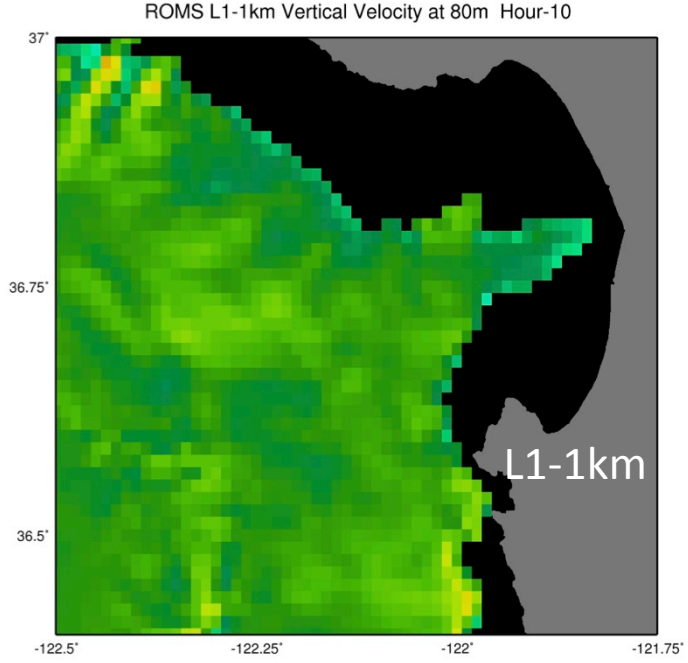

Observed IR SST 20160405
OBSV
37°
36.75°
36.5°
36.25°
-122.75°
-122.5°
-122.25°
-122°
-121.75°

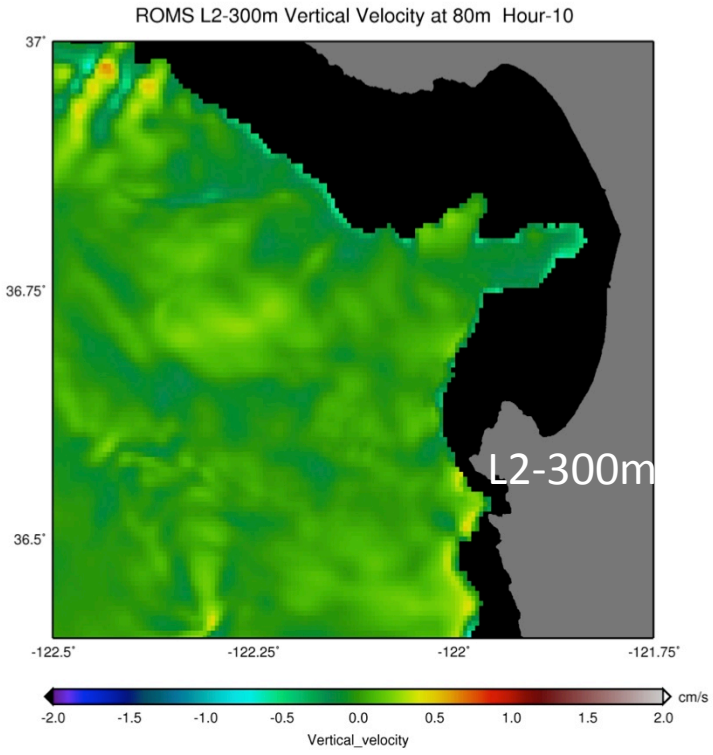

ROMS-L0 SST 20160405
ROMS
3km
37°
36.75°
36.5°
36.25°
-122.75°
-122.5°
-122.25°
-122°
-121.75°

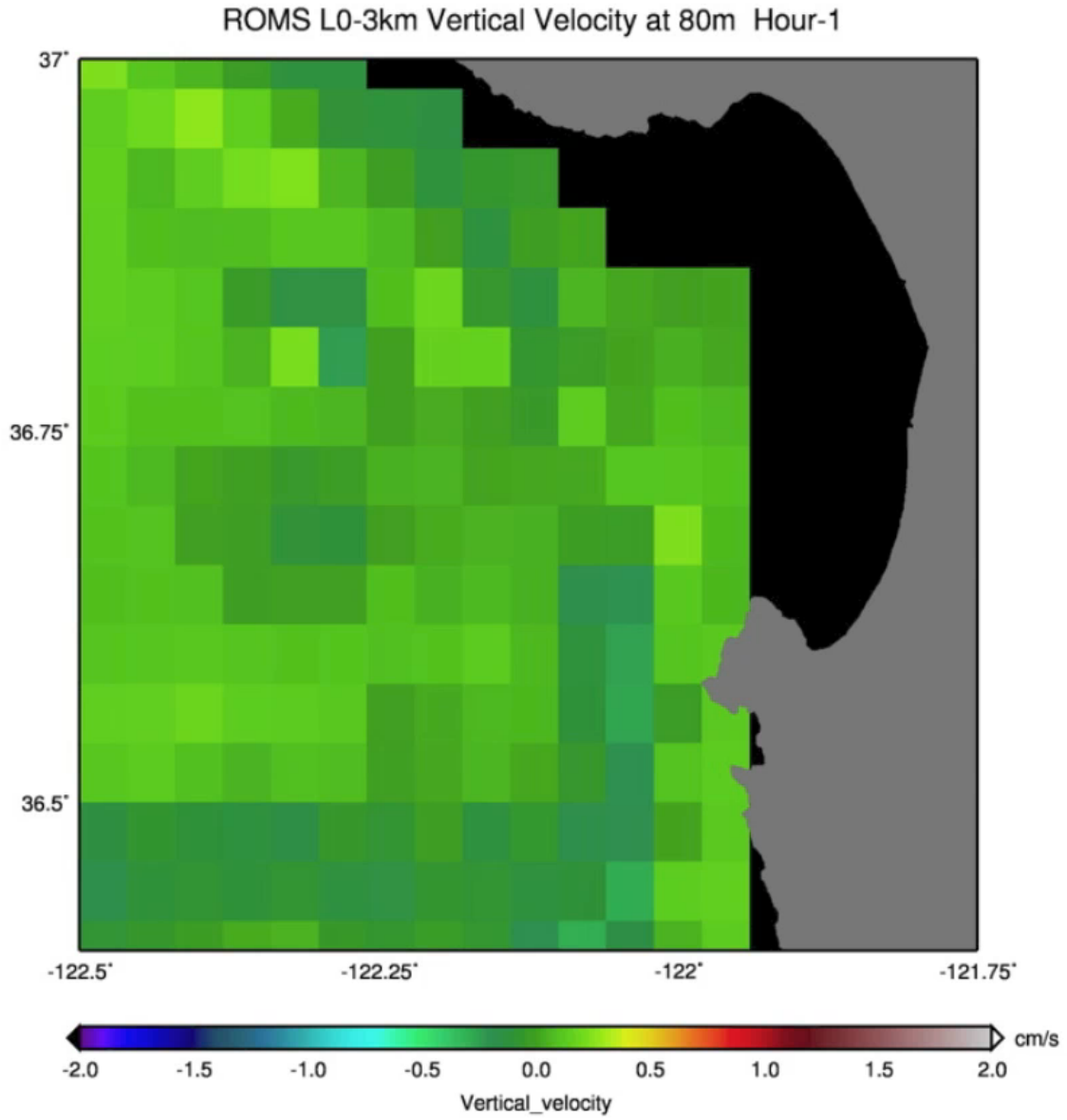

ROMS L1-1km SST 20160405
ROMS
1km
37°
36.75°
36.5°
36.25°
-122.75°
-122.5°
-122.25°
-122°
-121.75°
10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0
C
SST

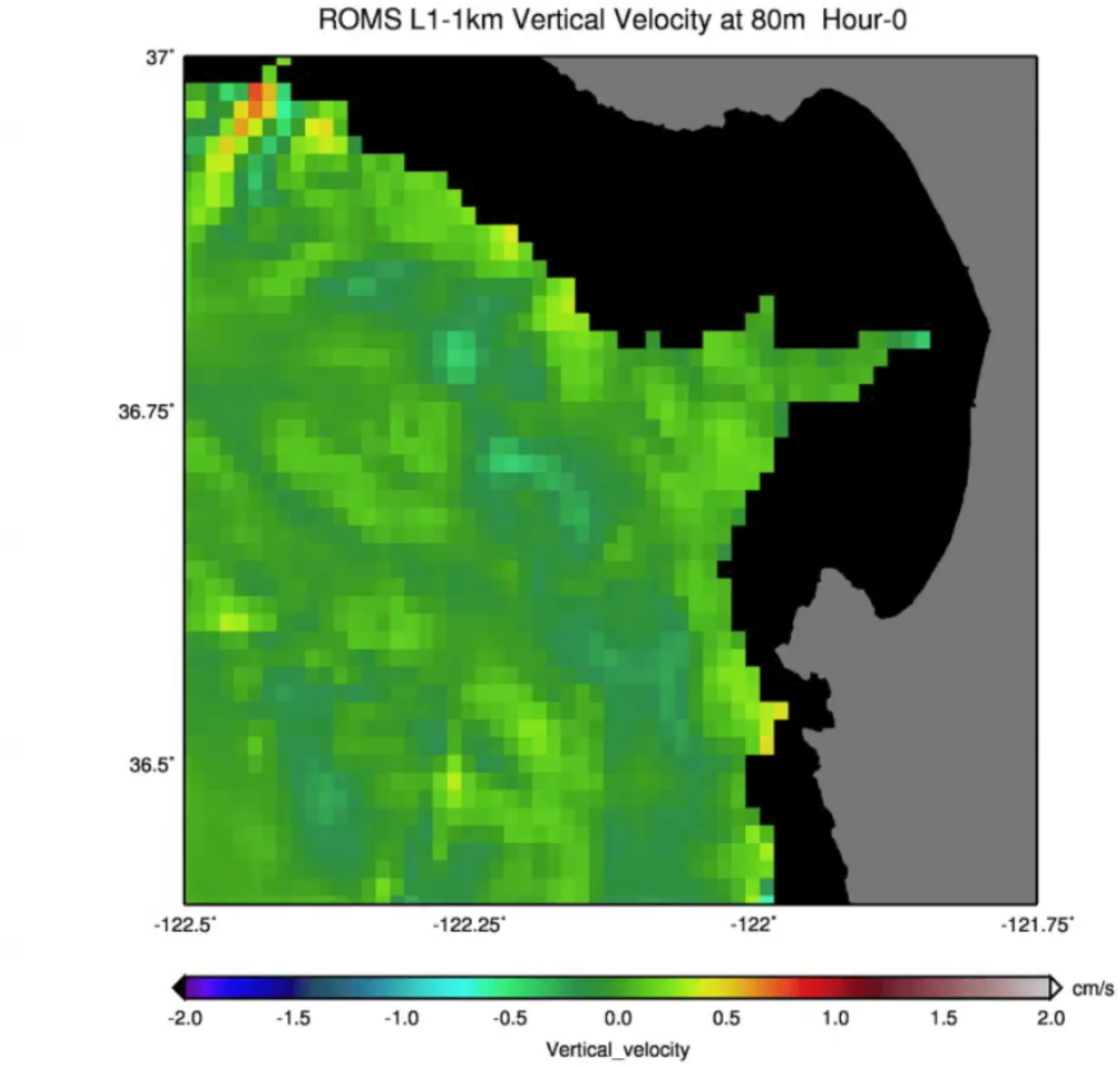

ROMS-L2 SST 20160405
ROMS
300m
37°
36.75°
36.5°
36.25°
-122.75°
-122.5°
-122.25°
-122°
-121.75°
10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0
C
SST

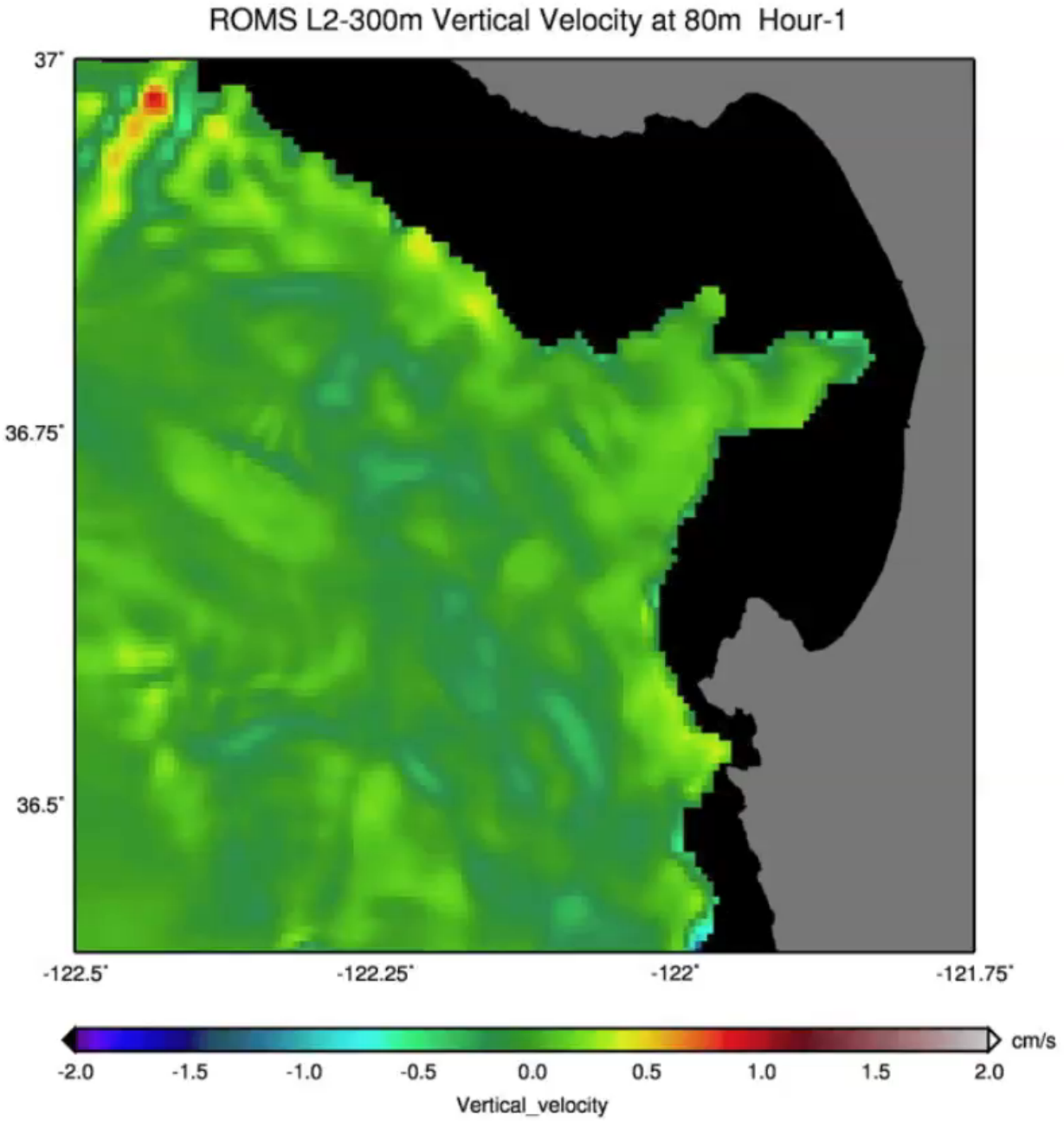

ROMS L0-3km Vertical Velocity at 80m Hour-10
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
L0-3km


ROMS L1-1km Vertical Velocity at 80m Hour-10
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
L1-1km


ROMS L2-300m Vertical Velocity at 80m Hour-10
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
L2-300m
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
cm/s
Vertical_velocity


ROMS L0-3km Vertical Velocity at 80m Hour-1
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
cm/s
Vertical_velocity


ROMS L1-1km Vertical Velocity at 80m Hour-0
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
cm/s
Vertical_velocity


ROMS L2-300m Vertical Velocity at 80m Hour-1
37°
36.75°
36.5°
-122.5°
-122.25°
-122°
-121.75°
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
cm/s
Vertical_velocity

Thanks! Questions?

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