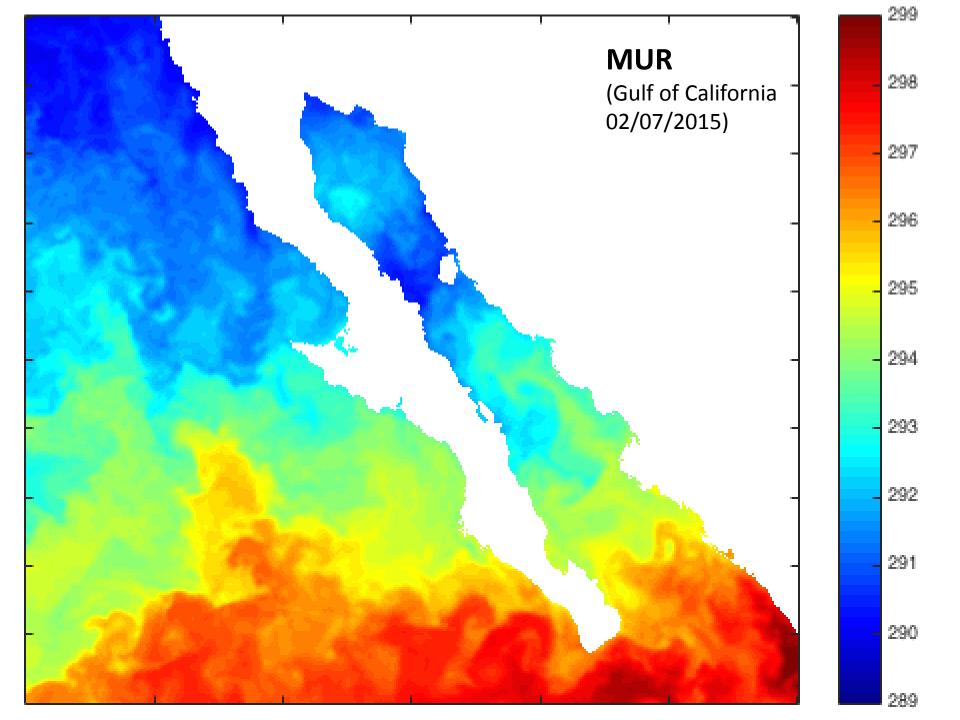
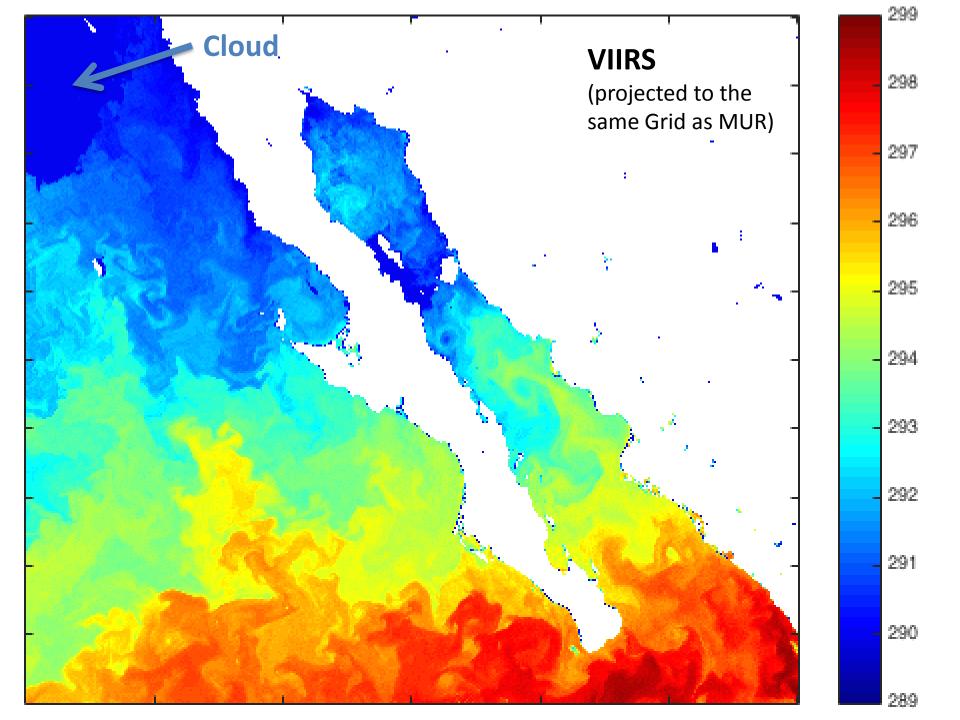
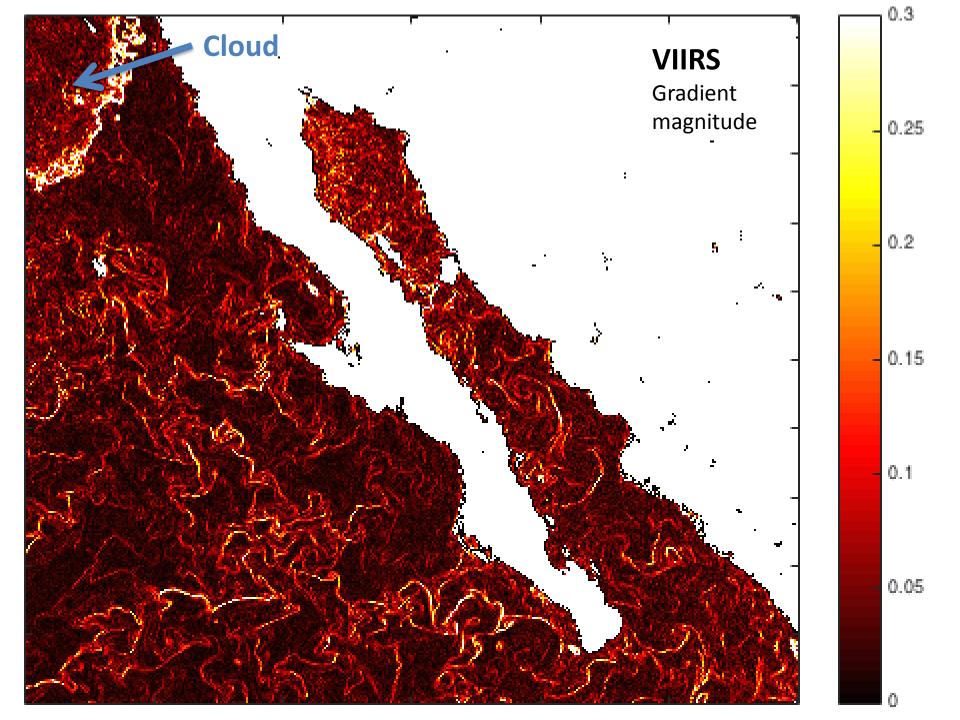
MUR/VIIRS comparison

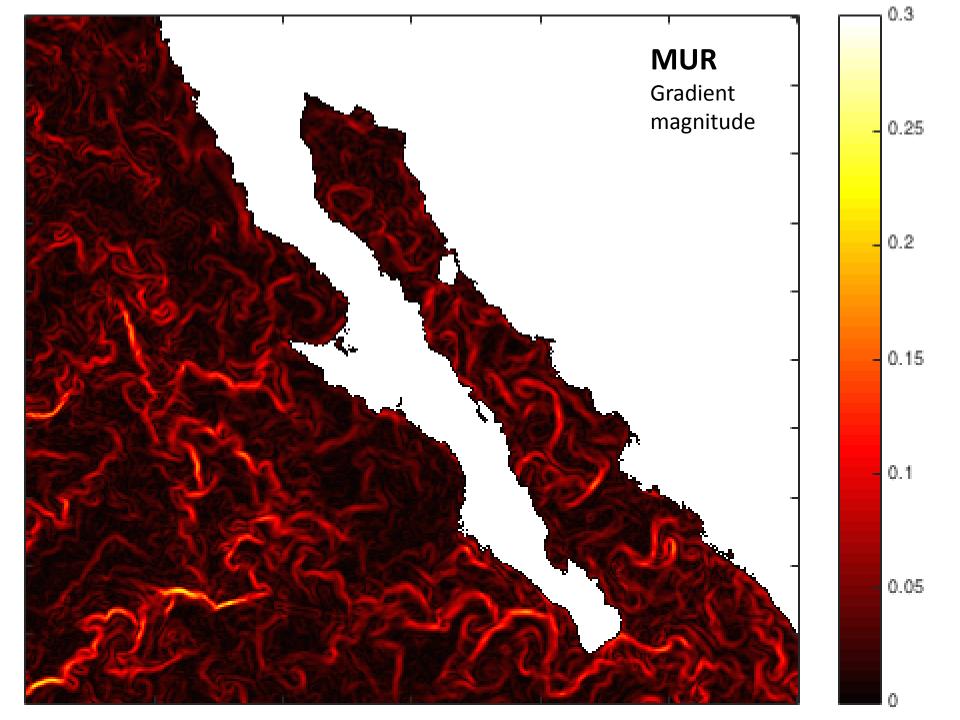
02/07/2015
Gulf of California

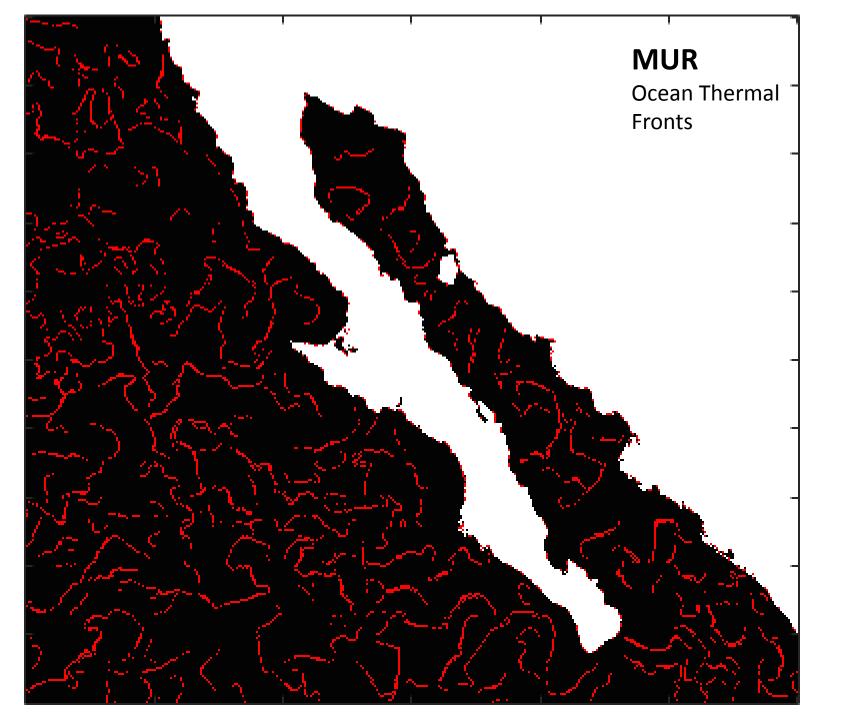
- We have conducted a very limited comparison at this point
- Compared is MUR with ACSPO VIIRS SST, which is not assimilated by L4 MUR
- To facilitate the comparison, ACSPO VIIRS SST was reprojected to same grid as MUR
- Thermal fronts were calculated from MUR SST using gradient field, and superimposed with VIIRS SST imagery
- MUR product seems to capture high resolution ocean features very well!
- Standard global statistics on Delta SST (retrieved reference SST) may not capture the quality of high resolution spatial features and perhaps a different metric is needed to highlight superior high resolution performance of MUR with respect to other L4 products

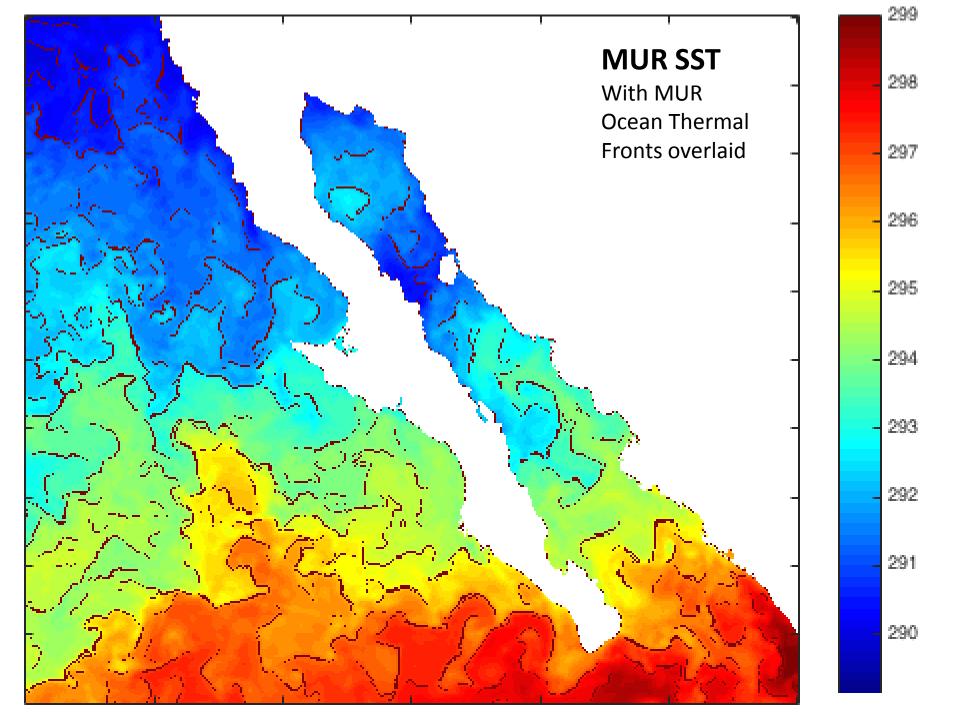


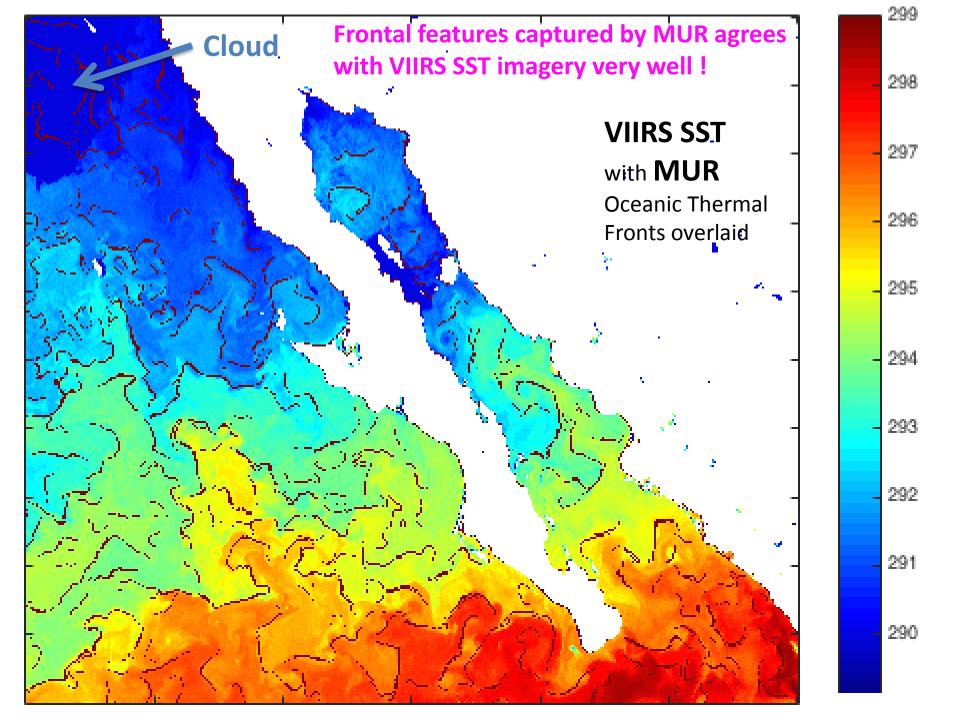












Zoomed

Closer look at the frontal features captured by MUR revels a great deal of agreement between re-projected ACSPO VIIRS SST imagery and L4 MUR product. MUR is currently the only L4 product that captures small features so well.

MUR SST

With Ocean Thermal Fronts overlaid

VIIRS SST with MUR

Ocean Thermal Fronts overlaid

