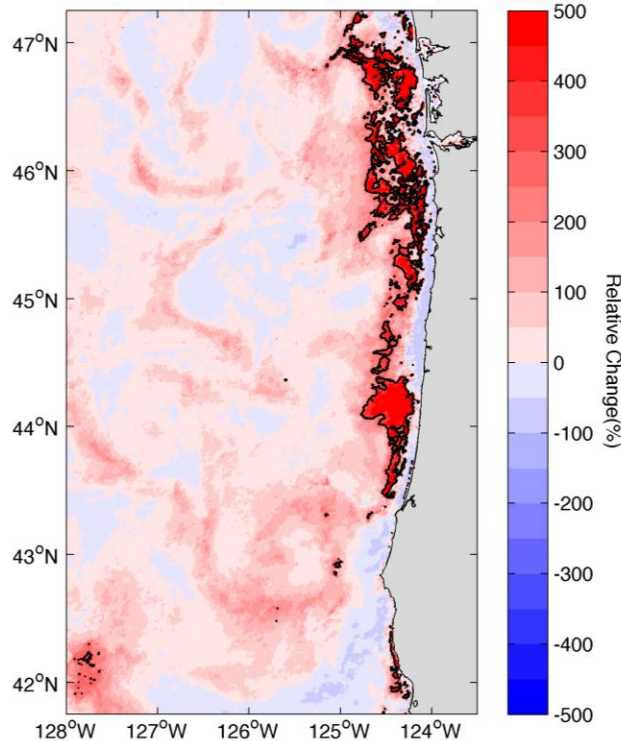


Operational Bloom Products

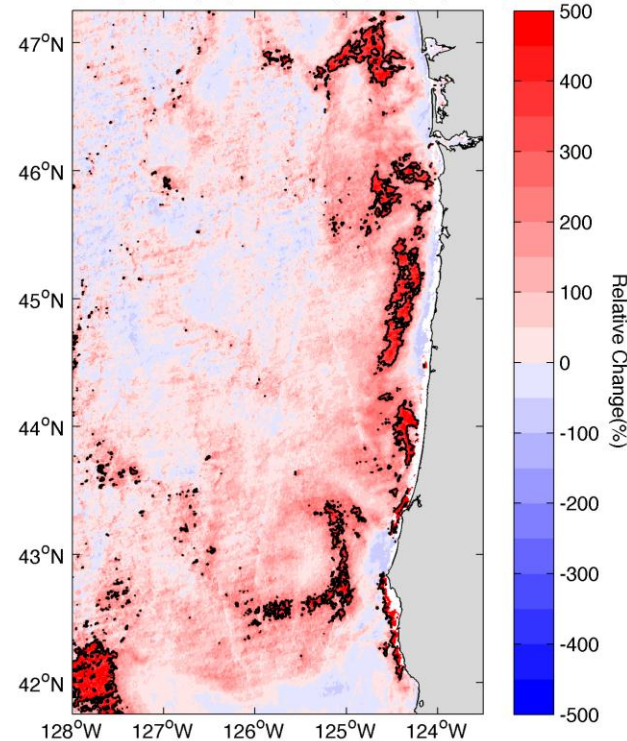


We are now producing regional bloom maps using two distinct MODIS products. These products show the relative change in satellite chlorophyll (CHL) and fluorescence line height (FLH) over successive 8 day composites. A 300% change (net growth rate $\sim 0.2 \text{ d}^{-1}$) is used as a bloom threshold (note black contour line). The below images show these bloom products for Sept 23rd 2009, coincident with ground-truthed blooms off OR and WA.

MODIS CHL BLOOM PRODUCT



MODIS FLH BLOOM PRODUCT



These products allow us to target and validate nascent harmful algal blooms and provide information about patterns of offshore primary productivity.

(Courtesy of A. White)

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