Decreases in standing biomass and physiological state of giant kelp canopy during the 2014 – 2015 warming event in the Santa Barbara Channel

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- Giant kelp is a highly dynamic, globally distributed species that supports an ecologically and economically important ecosystem.
- Project (SBC LTER) maintains monitoring sites at several kelp forests in the Santa Barbara Channel.
- Satellite, airborne, and field data were combined to this foundation species.

- changed in areas around long-term kelp monitoring sites.
- (i.e. chlorophyll:carbon) of the giant kelp canopy and environment.
- Use data and conclusions to support work mapping the kelp canopy using hyperspectral imagery.

↑ surface temperature and **↓** nitrate



