

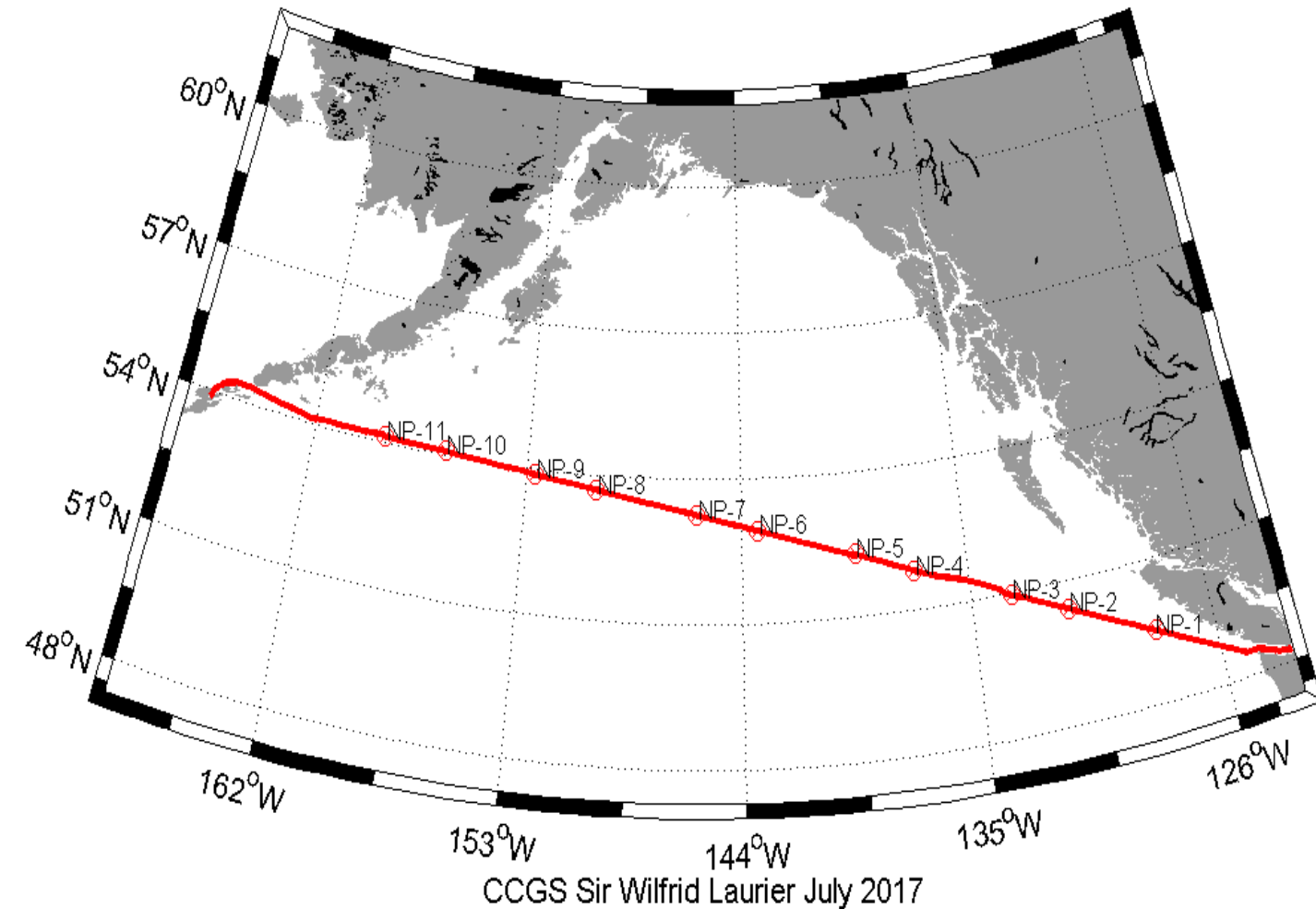
**DBO/C30**

**July 2017**



**Leg 1. Victoria, B.C. to Barrow Alaska. July 3 July 23**

# NE Pacific crossing (July 3-July 10, 2017)

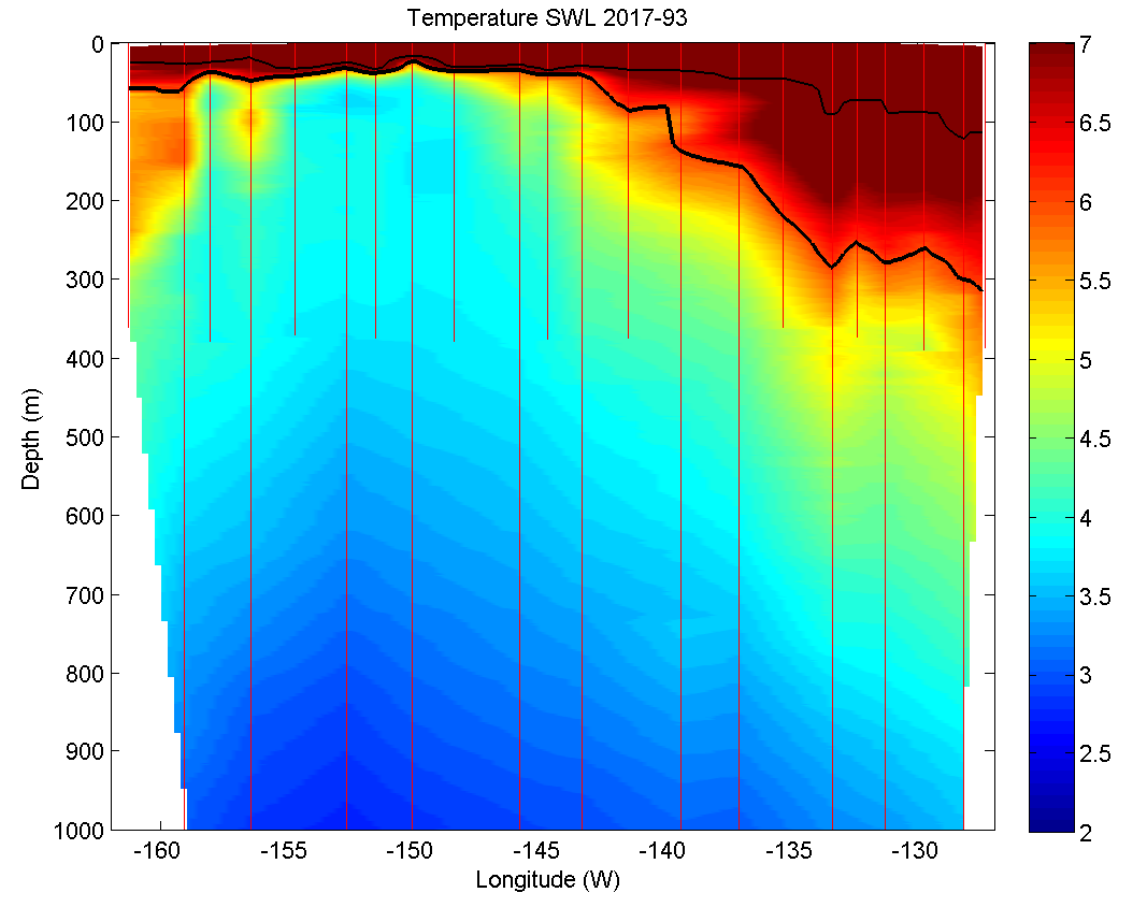
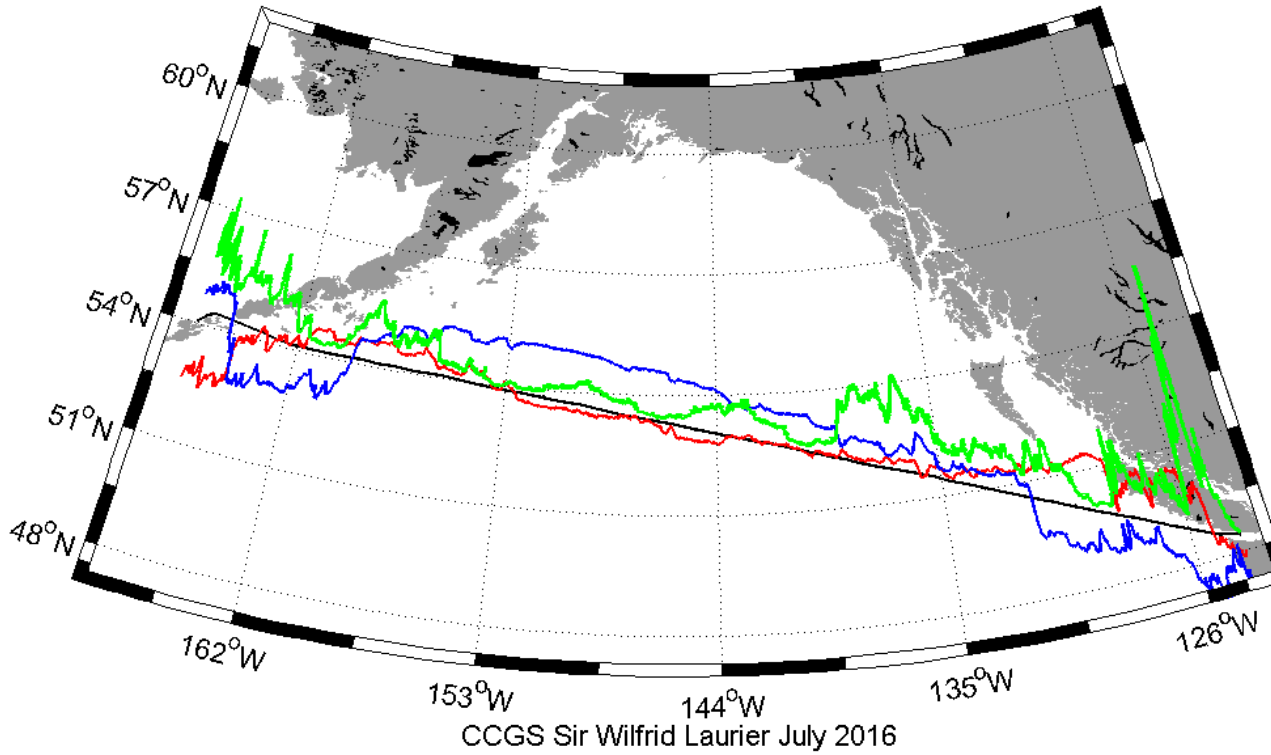


## Science:

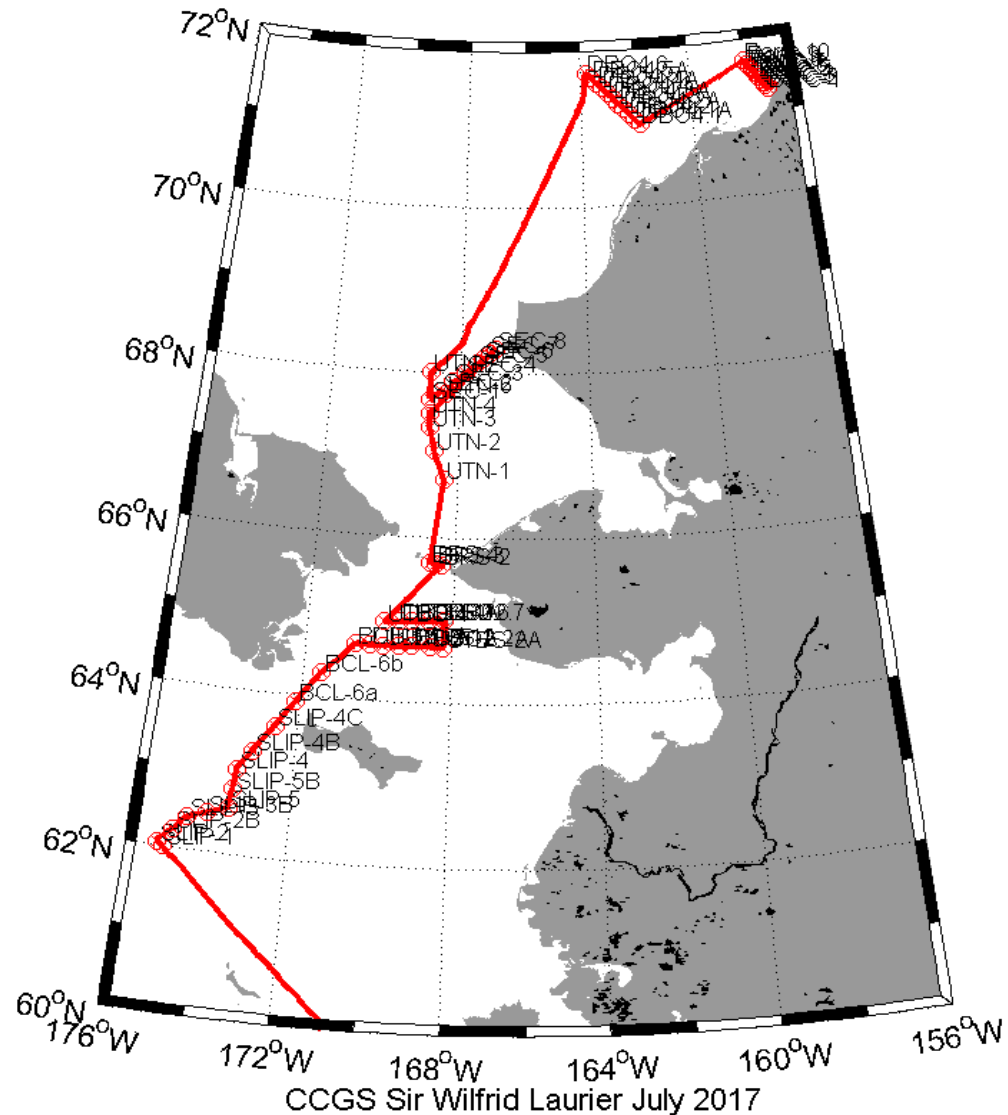
- Twice daily CTD/Rosette casts to 1000m (NP1-NP11) (Nutrients, Oxygen)
- Twice daily Bongo nets to 100m
- Twice daily Underway CTD casts to 400m in-between CTD cast
- Deployment of 4 Argo floats
- Continuous monitoring of surface water properties (5m) (T,S,Fluorescence,Oxygen, and Nitrogen)
- Water filtration for Fukushima Cesium-137
- Water collection for microplastics
- Meteorological and position data from ship sensors

# NE Pacific crossing (July 3-July 10, 2017)

(Red) (Blue) (Green)  
TSG temperature, Salinity and Fluorescence



# DBO Transect (July 14-July 22, 2017)



## Science:

- 62 CTD stations. 45 of these with Rosette sampling
- 45 Bongo net hauls
- 42 deployments of 150 kHz ADCP
- 38 Benthic sampling stations with up to 5 vanVeen grabs at each station
- 38 Benthic Video-camera recordings
- 20 stations where water was collected for methane and nitrous oxide analysis
- 12 stations were sampled for apparent optical properties
- 4 stations were used for primary productivity incubation experiments
- Bird observations
- Meteorological and position data from ship sensors



# DBO Transect (July 14-July 22, 2017)

CTD/Rosette



Bongo nets



Laboratory filtrations



Incubation experiments



Bird observations



Over the side 150kHz ADCP



vanVeen grabs



C-OPS





# DBO Transect (July 14-July 22, 2017)

(Red) (Blue) (Green)

TSG temperature, Salinity and Fluorescence

