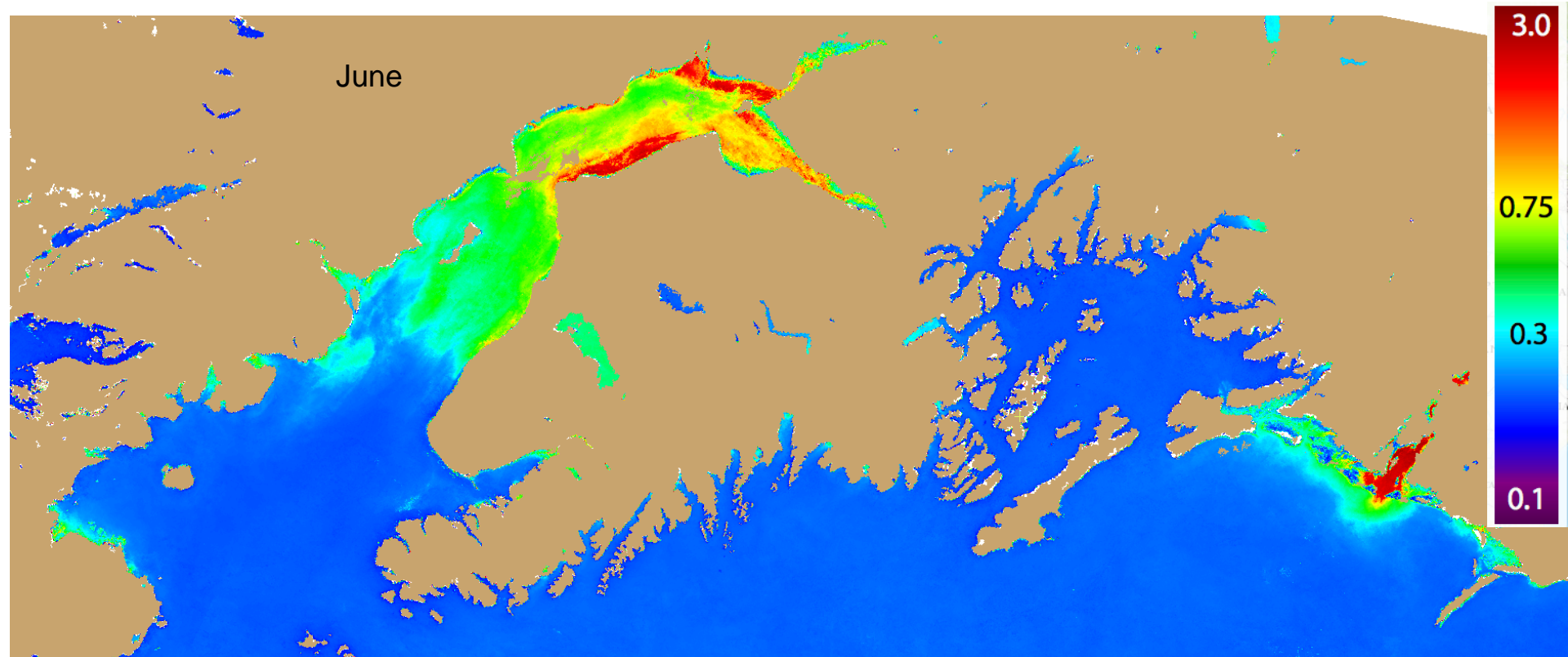


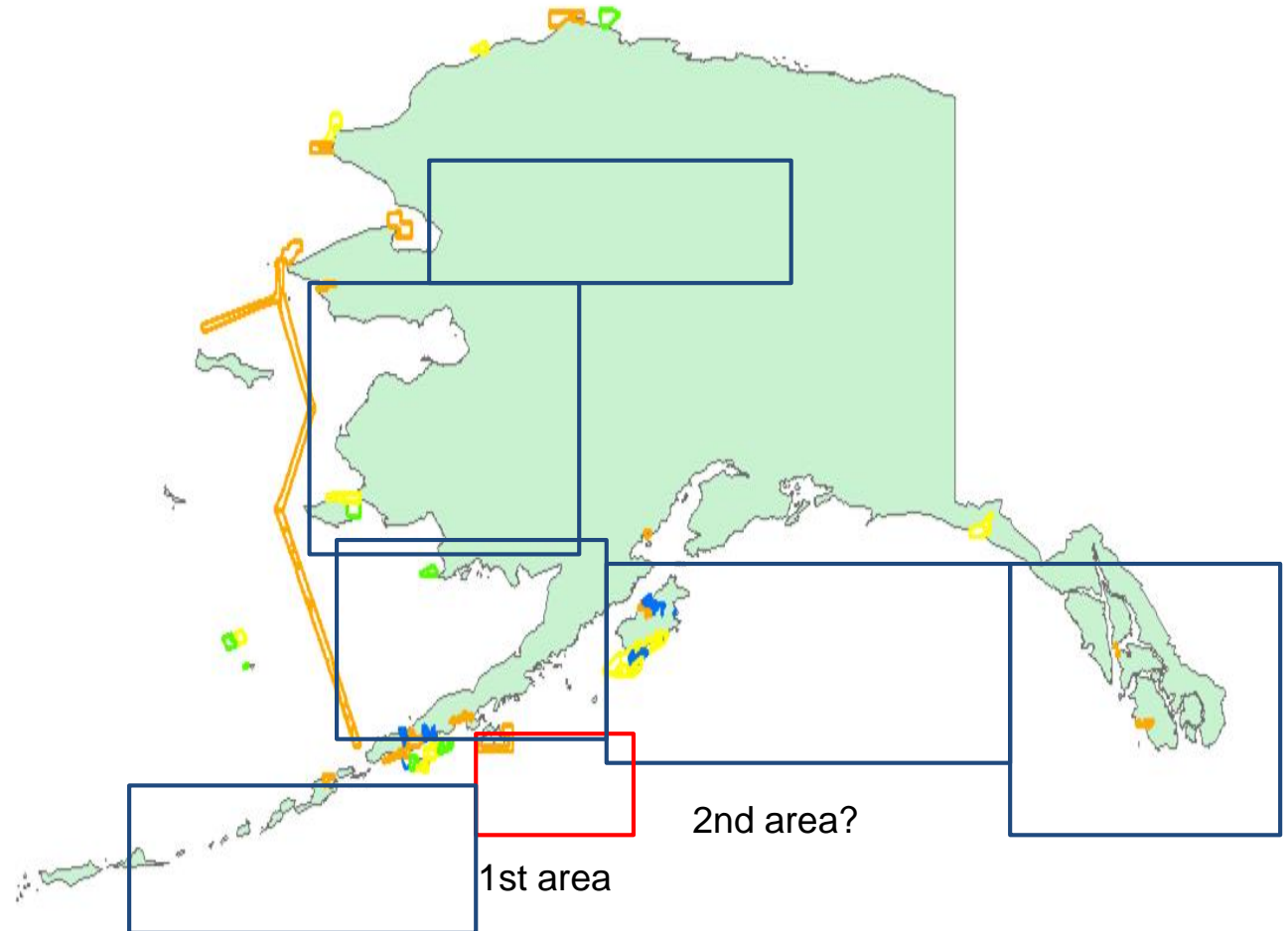
Coastal Water Clarity in Alaska

Rick Stumpf, NOAA National Ocean Service
Natl Centers for Coastal Ocean Science, Maryland

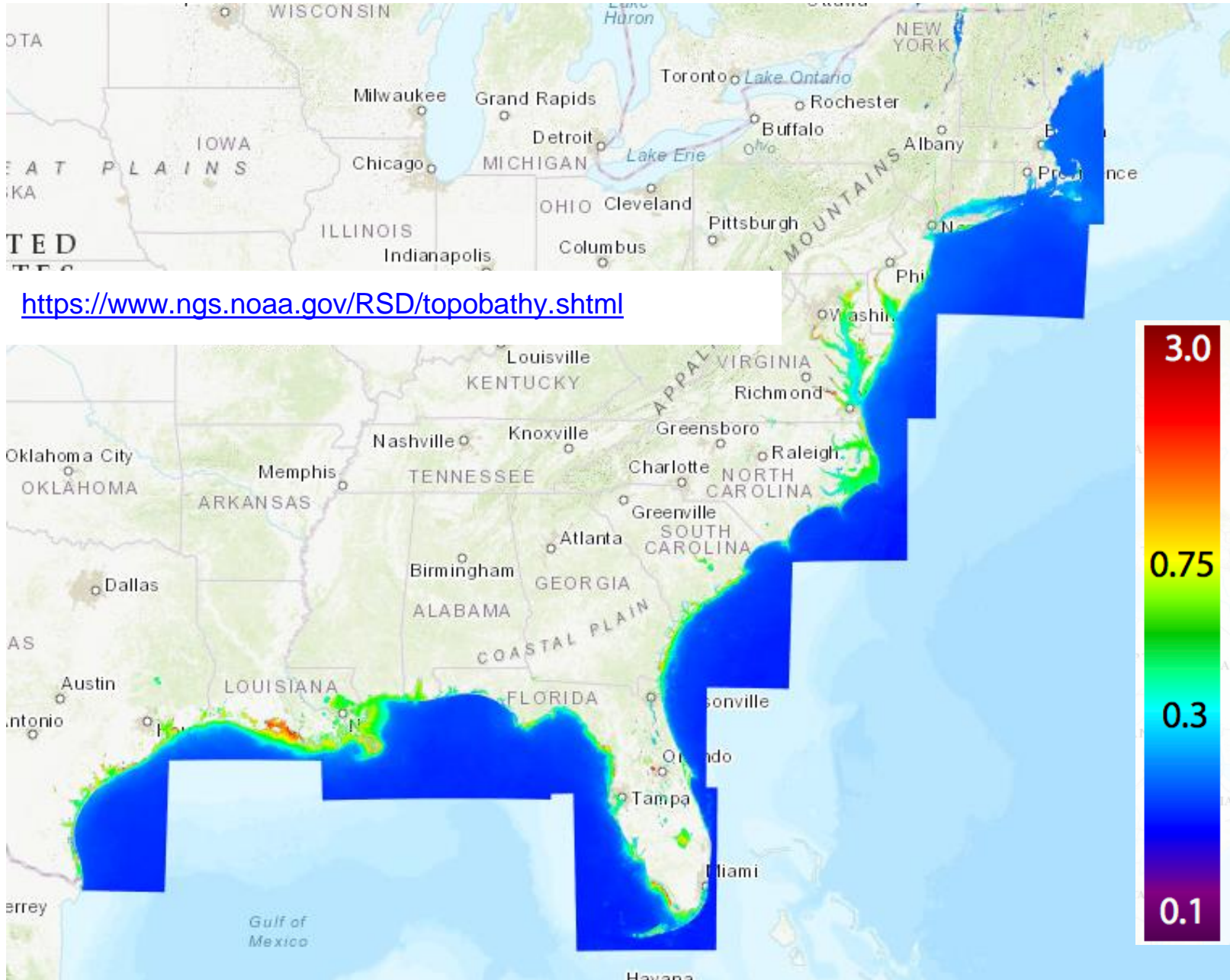


What are NGS/OCS's needs?

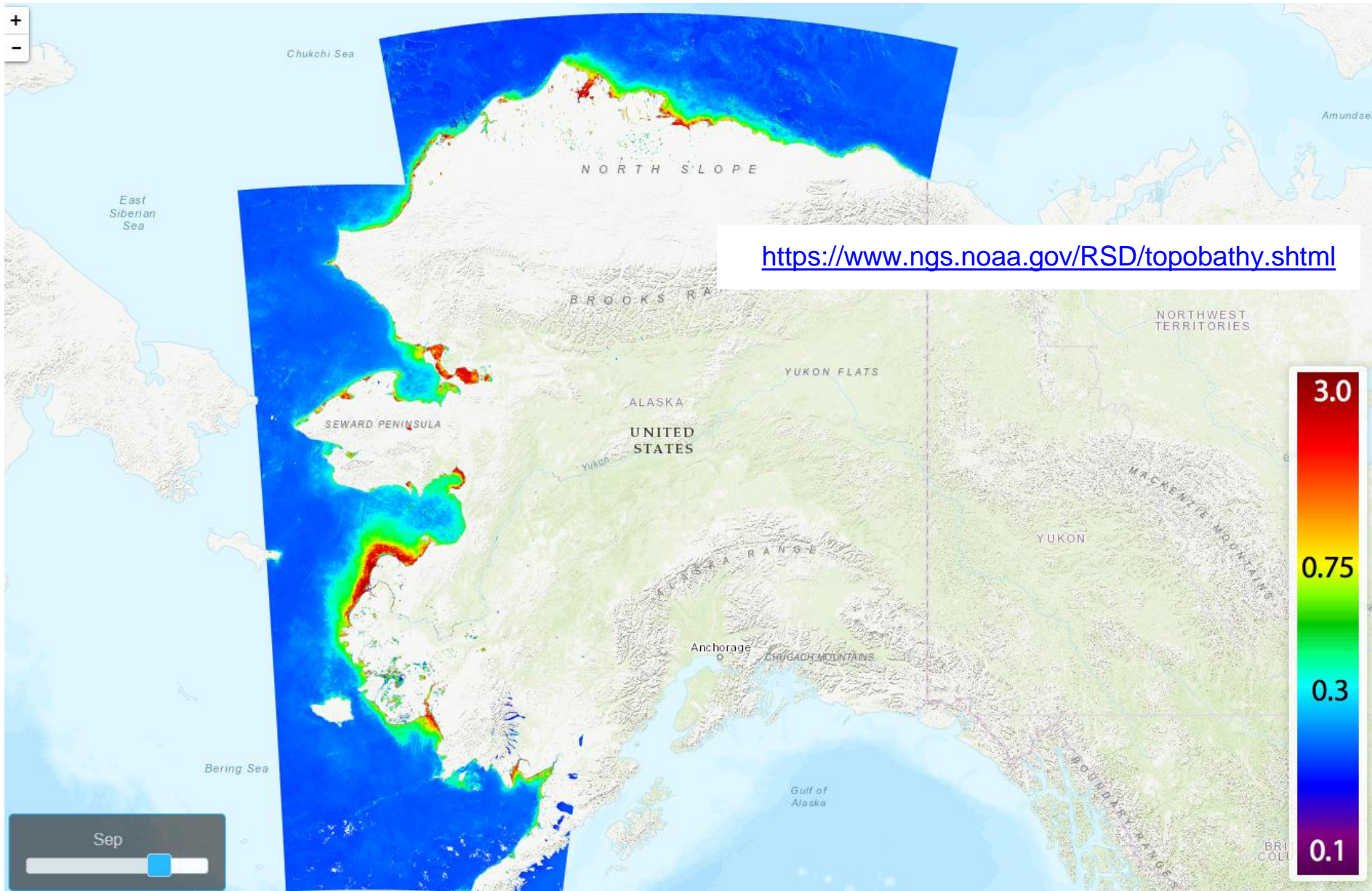
- Barrow
- Point Hope
- Etolin Strait
- Pribilof
- Aleutians
- Kodiak



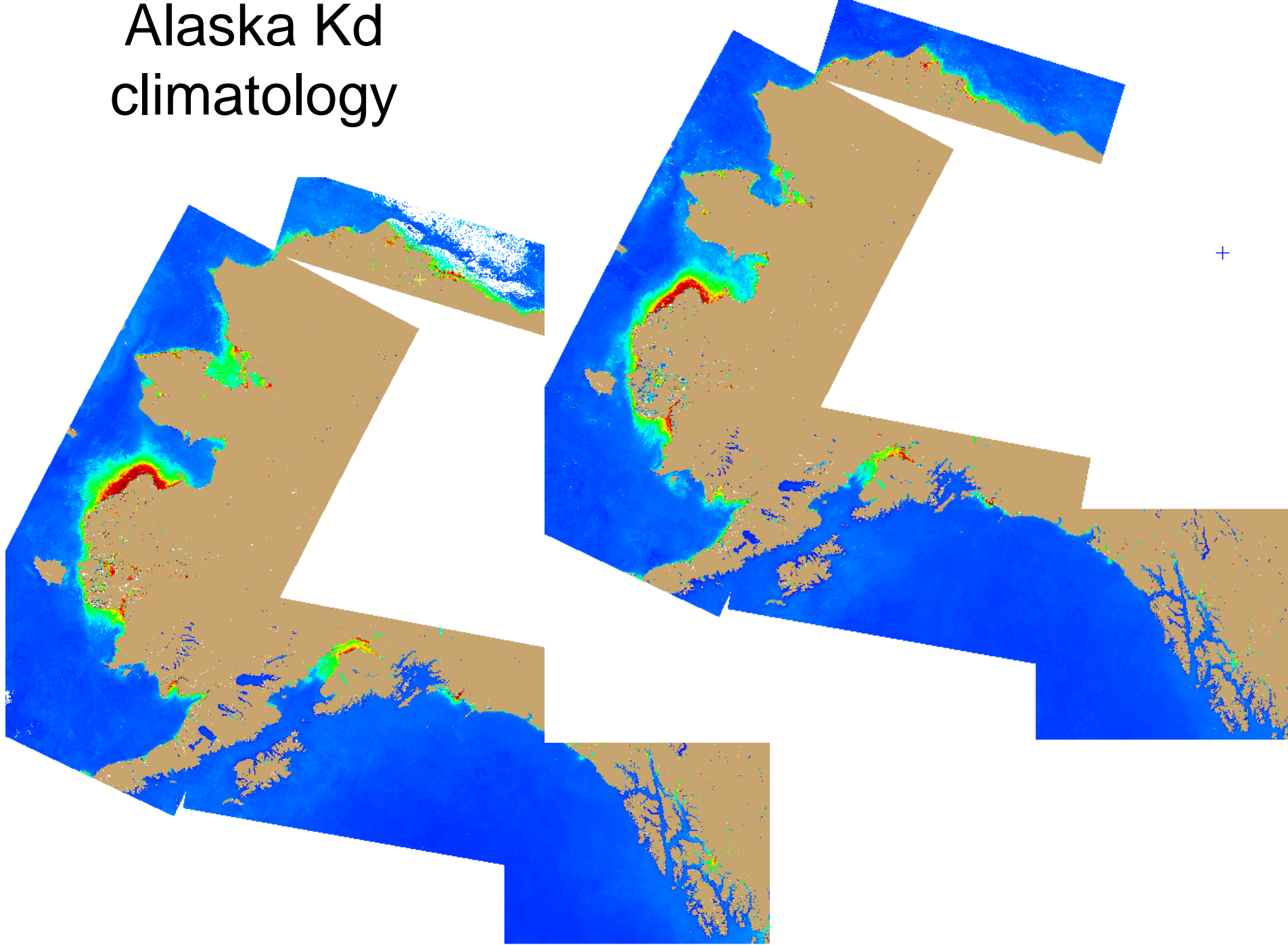
Light Attenuation Climatology for US



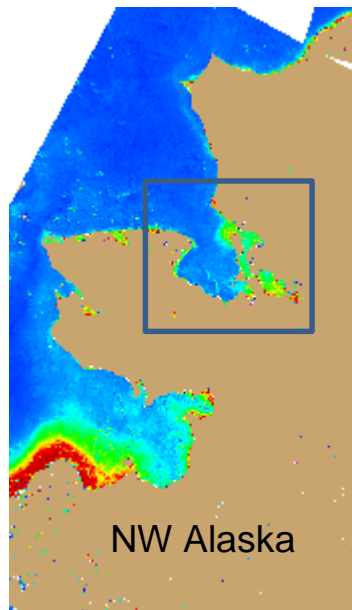
Climatology for U.S. and Alaska



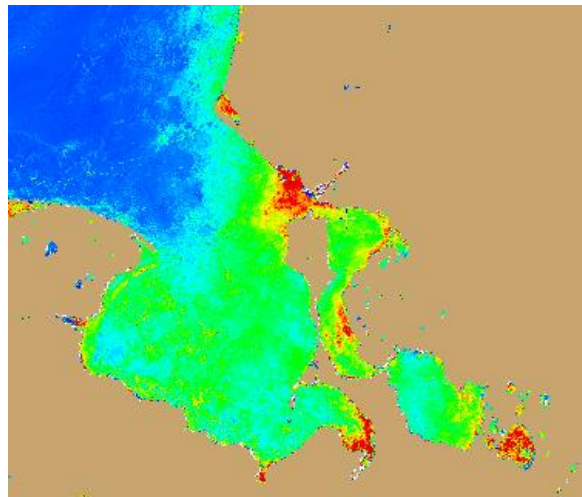
Alaska Kd climatology



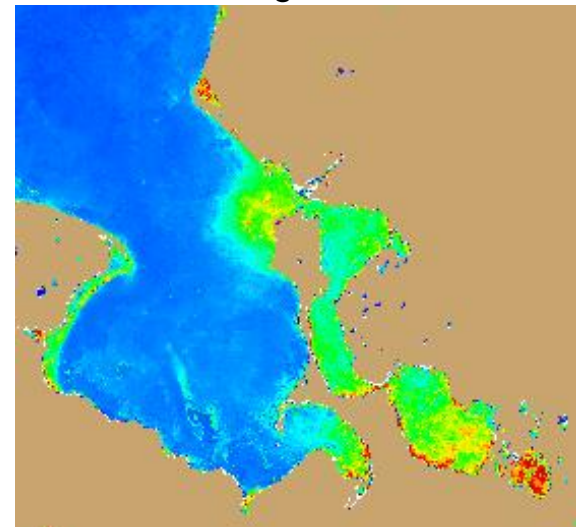
Changes over season, multi-year climatology



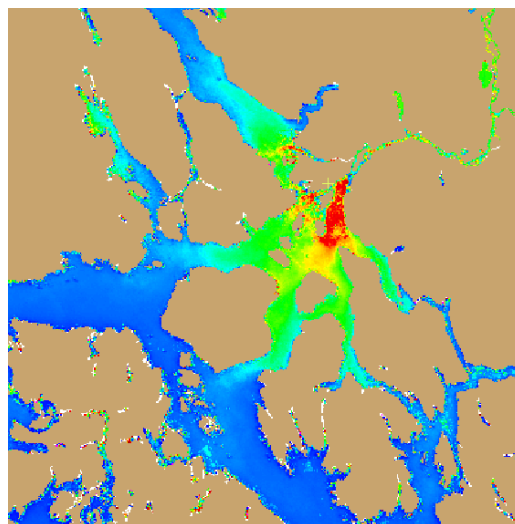
Kotzebue Bay June



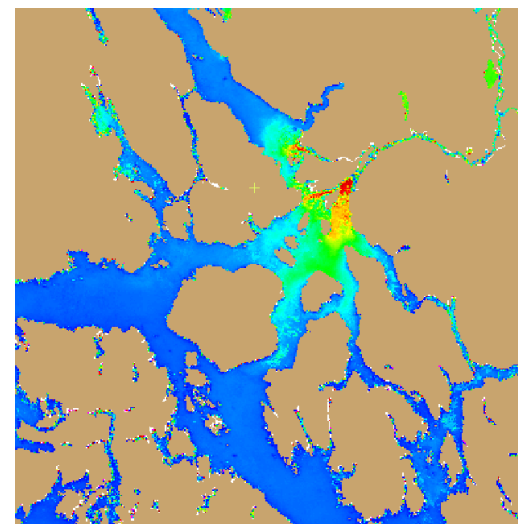
August



Wrangell June



August



What are the products?

- Georeferenced products
 - 300m resolution
 - UTM projection
 - light attenuation (estimate of water turbidity)
 - Grand means/medians for each month
 - Also each year (although clouds/ice can be a problem)

<https://www.ngs.noaa.gov/RSD/topobathy.shtml>

