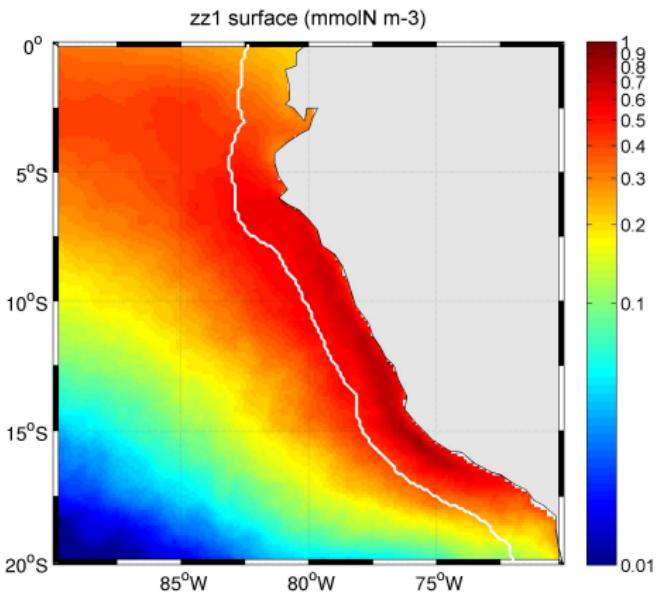


Mean  
map

Surface

- zz1 surf
- zz2 surf
- s1 surf
- s2 surf
- dd surf
- no3 surf
- nh4 surf

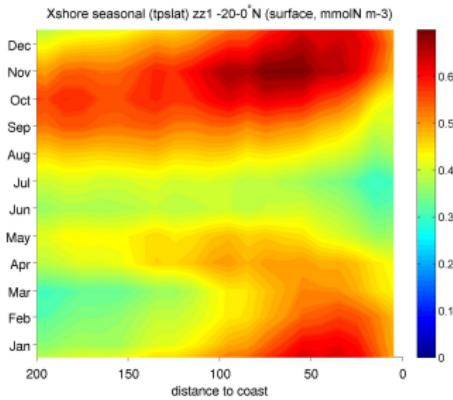
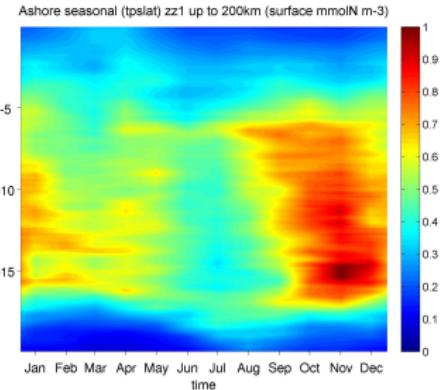
60m

- no3 60m
- nh4 60m

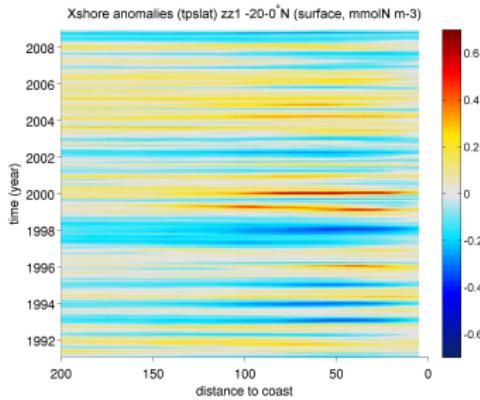
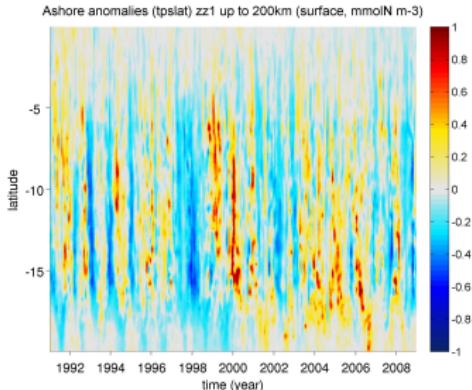
integrated

- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

## Seasonal



## Anomalies



Ashore

Xshore

Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

#### **nh4 surf**

60m

no3 60m

nh4 60m

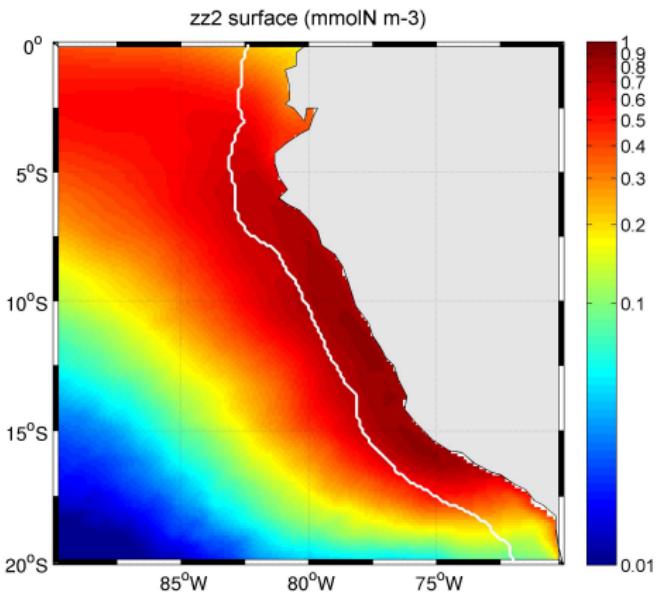
## Integrated

zz1 int

zz2 int

s1 int

s2 int

Mean  
map

Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

nh4 surf

60m

no3 60m

nh4 60m

integrated

zz1 int

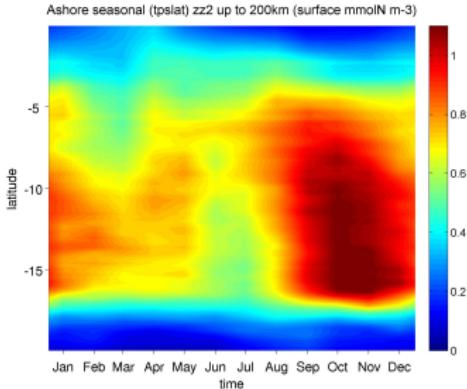
zz2 int

s1 int

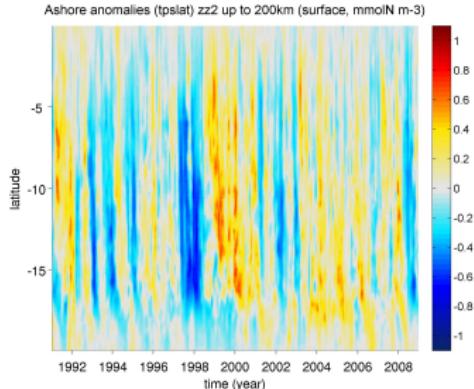
s2 int

dd int

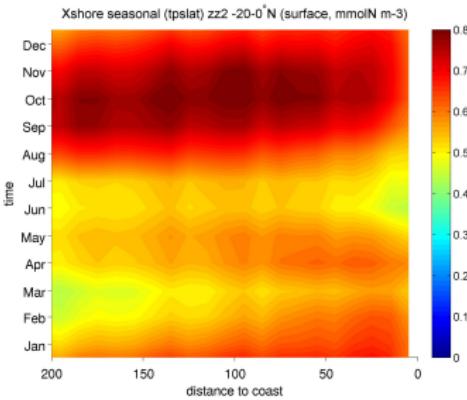
## Seasonal



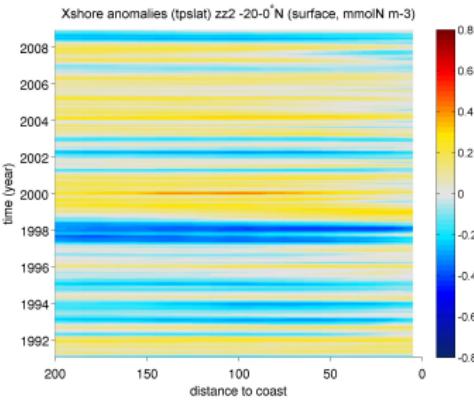
## Anomalies



Ashore



Xshore



## Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

du sun

100 500

60m

no3 60m

nh4 60m

integrat

zz1 int

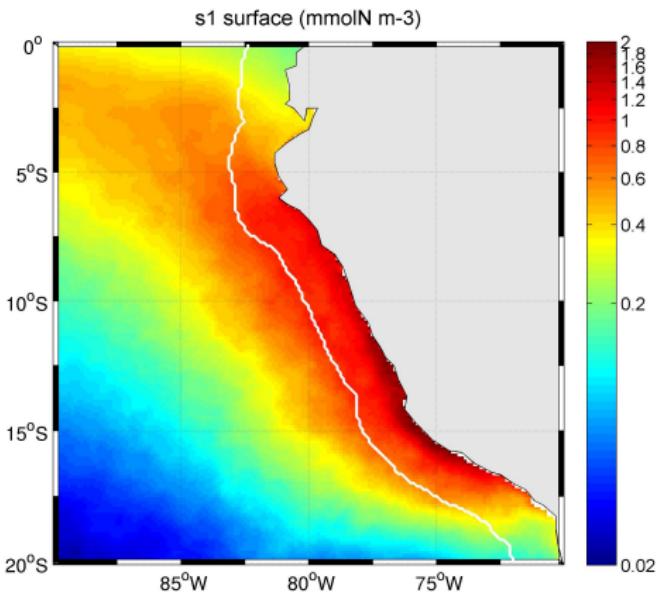
zz2 int

s1 int

s2 int

dd int

## Mean map



Surface

zz1 surf

zz2 surf

**s1 surf**

s2 surf

dd surf

no3 surf

nh4 surf

60m

no3 60m

nh4 60m

integrated

zz1 int

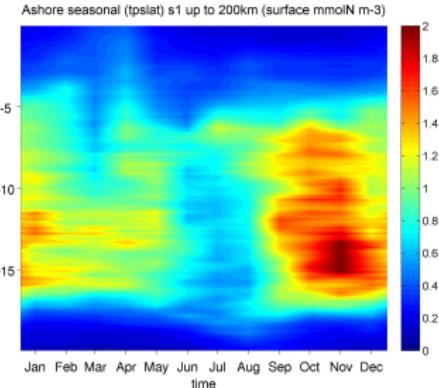
zz2 int

s1 int

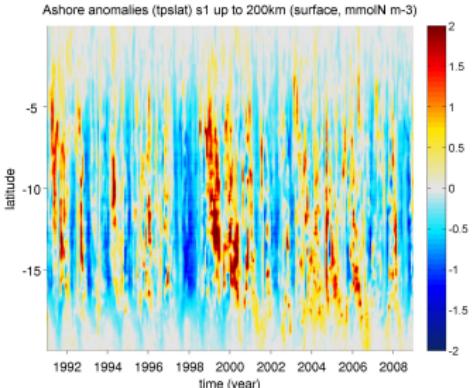
s2 int

dd int

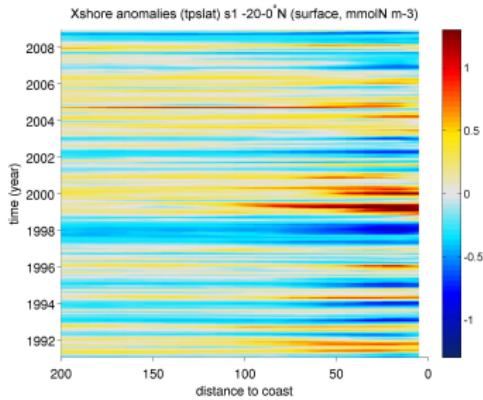
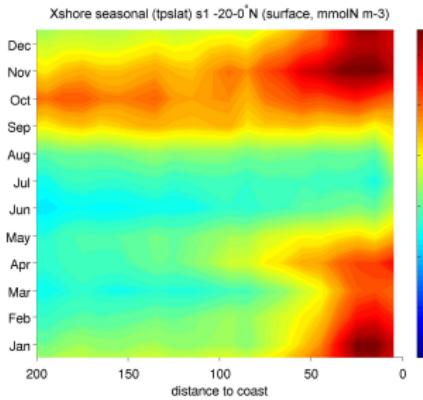
## Seasonal



## Anomalies



Ashore



Xshore

## Surface

zz1 surf

s1 surf

s2 surf

dd surf

no3 surf

nh4 surf

60-70

501

103 6011

## integrated

zz1 int

zz2 int

s1 int

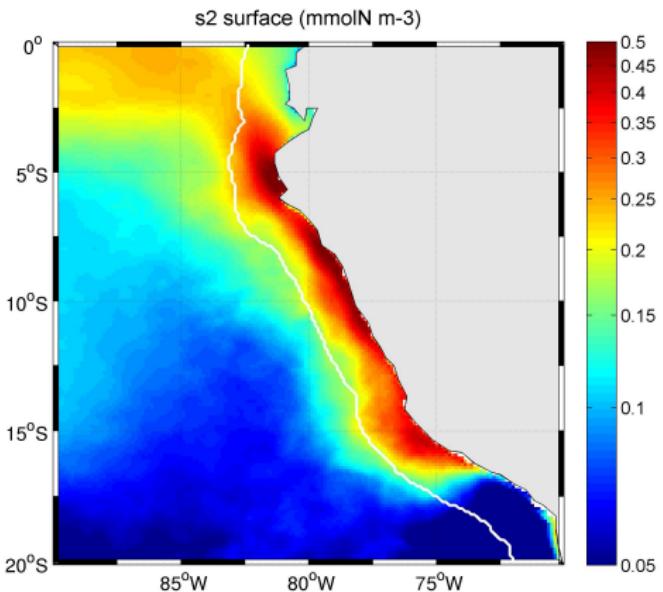
s2 int

# s2 surf

Zooplankton from  
FAST

MBARI

Mean  
map



Surface

zz1 surf  
zz2 surf  
s1 surf  
**s2 surf**  
dd surf  
no3 surf  
nh4 surf

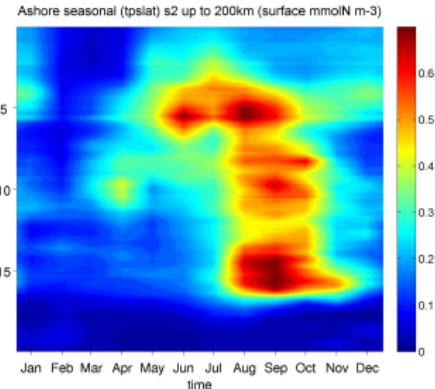
60m

no3 60m  
nh4 60m

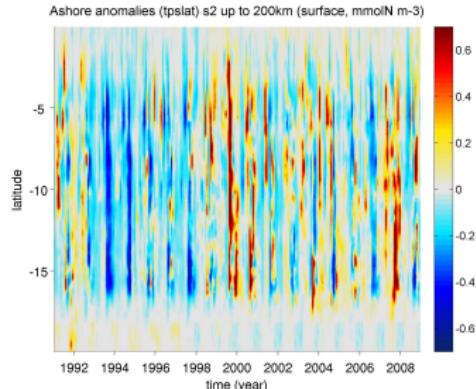
integrated

zz1 int  
zz2 int  
s1 int  
**s2 int**  
dd int

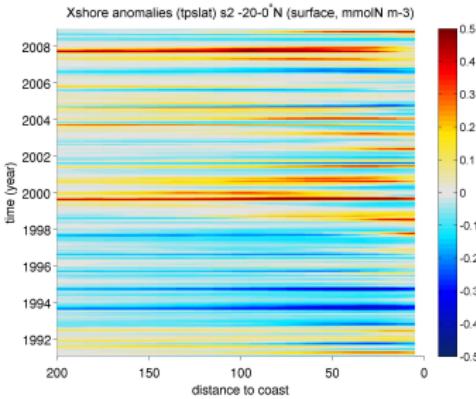
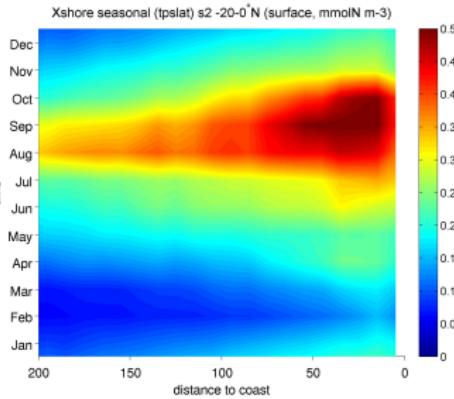
## Seasonal



## Anomalies



Ashore



Xshore

Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd sun

103 sur

1117 Sun

60m

no3 60m

nh4 60m

## integrated

zz1 int

zz2 int

s1 int

s2 int

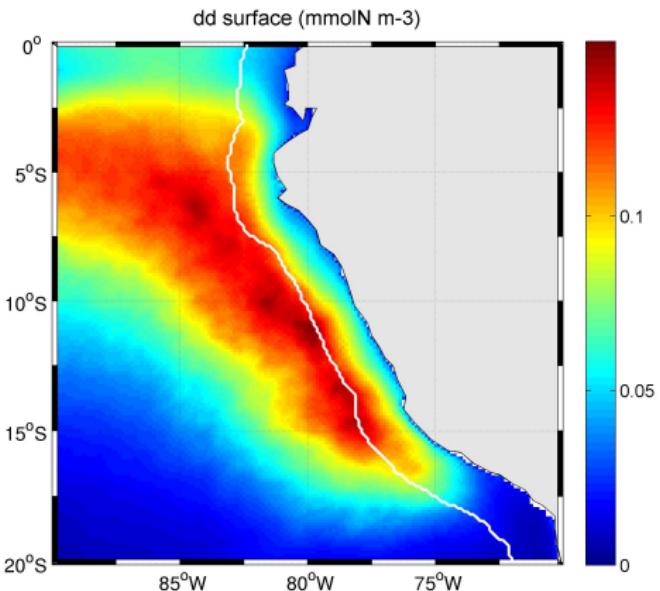
dd int

# dd surf

Zooplankton from  
FAST

MBARI

Mean  
map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

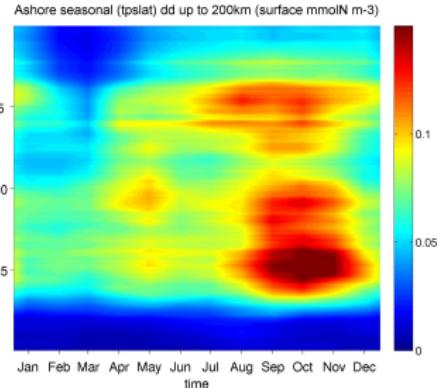
60m

no3 60m  
nh4 60m

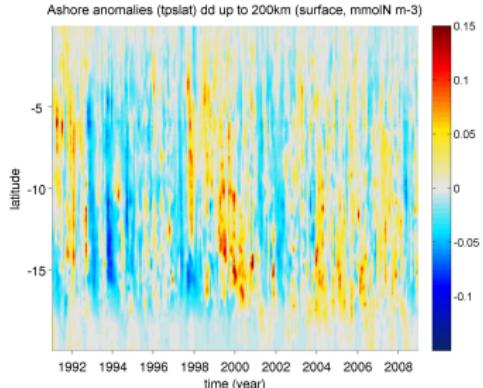
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

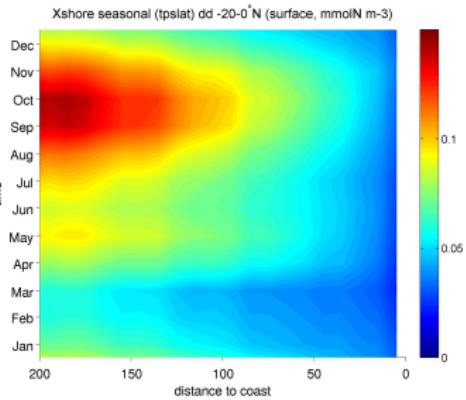
## Seasonal



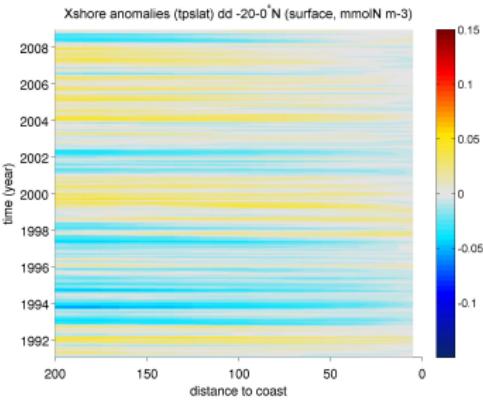
## Anomalies



Ashore



Xshore

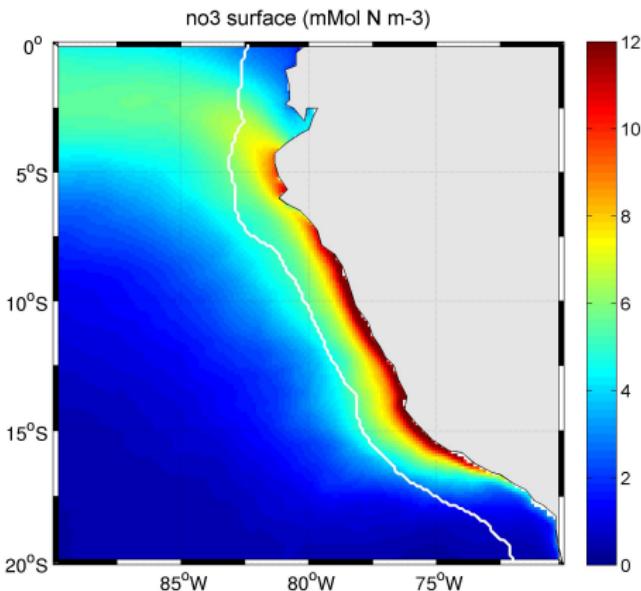


# no3 surf

Zooplankton from  
FAST

MBARI

Mean  
map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

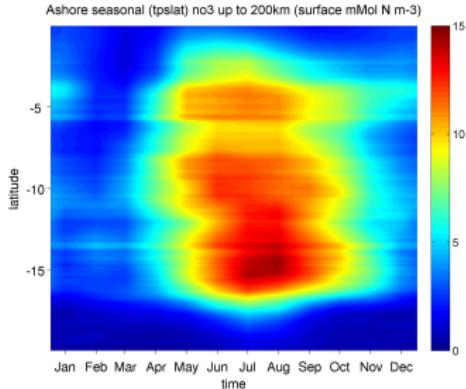
60m

no3 60m  
nh4 60m

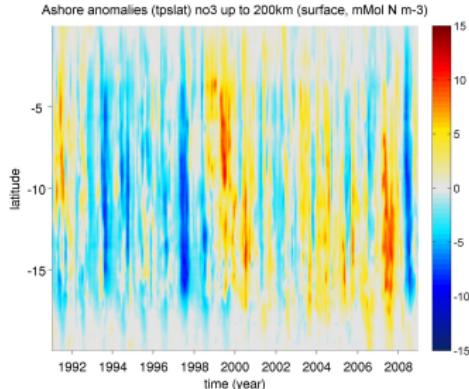
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

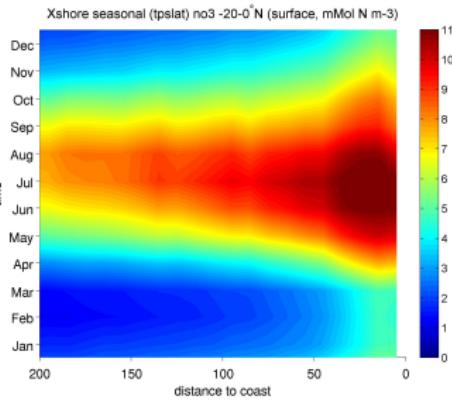
### Seasonal



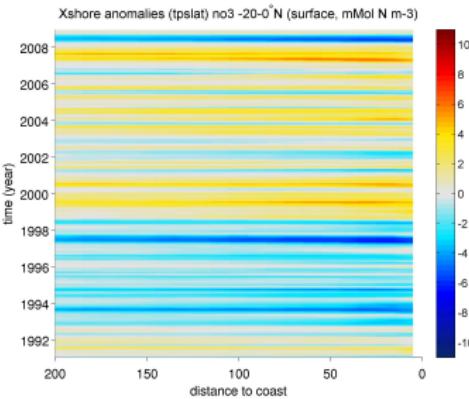
## Anomalies



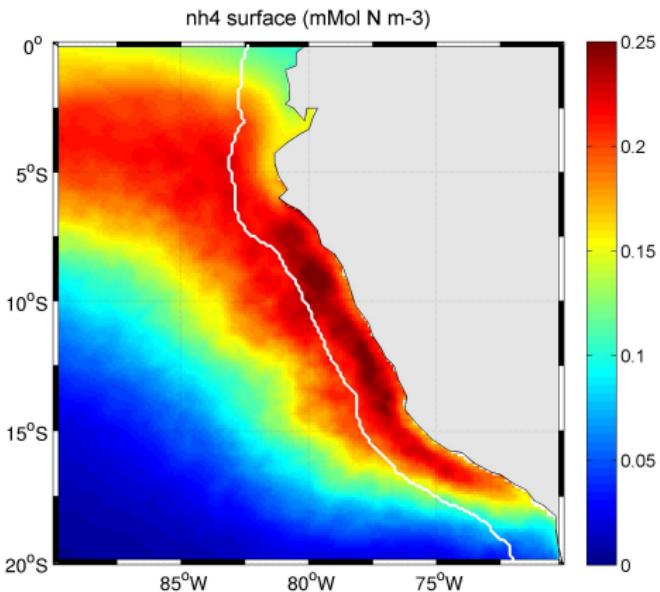
Ashore



Xshore



## Mean map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

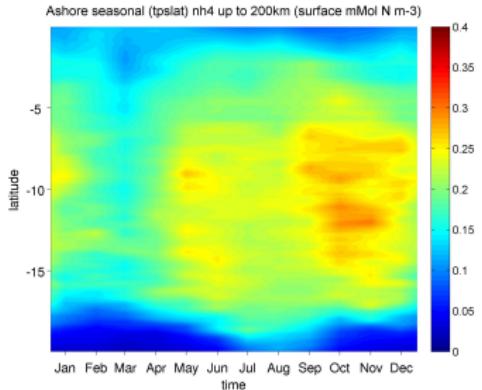
60m

no3 60m  
nh4 60m

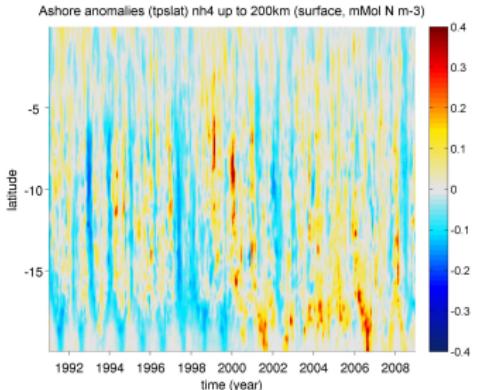
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

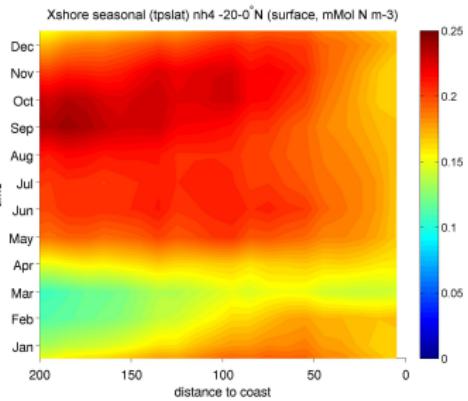
## Seasonal



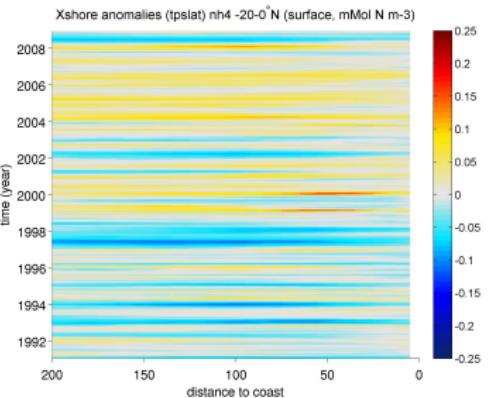
## Anomalies



Ashore



Xshore



## Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

nh4 surf

60m

500

103 von 111

1114 00111

## integrat

zz1 int

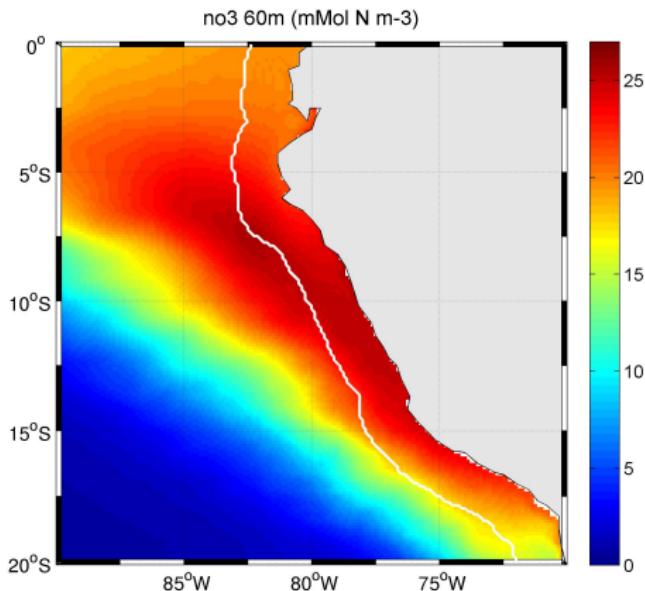
zz2 int

s1 int

s2 int

dd int

## Mean map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

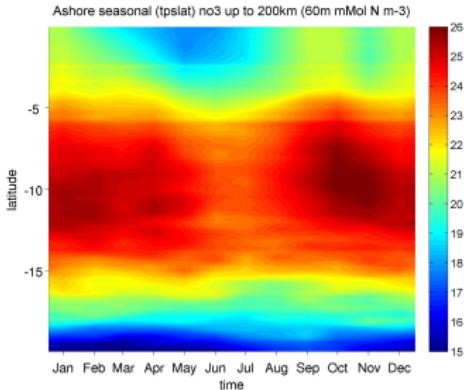
60m

no3 60m  
nh4 60m

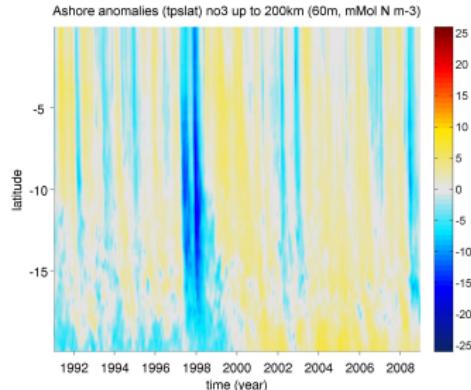
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

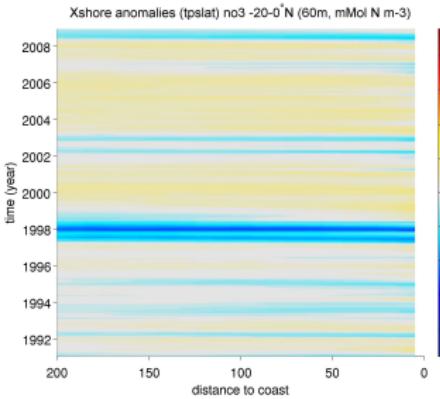
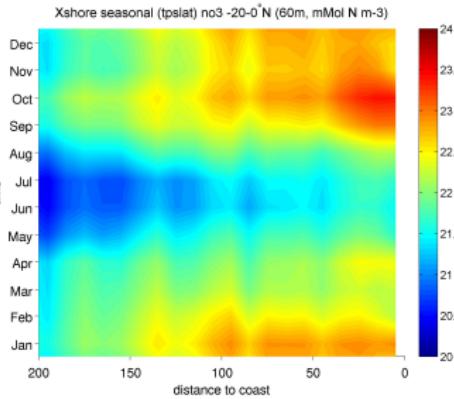
## Seasonal



## Anomalies



Ashore



Xshore

Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

60m

no3 60m

nh4 60m

## integrated

zz1 int

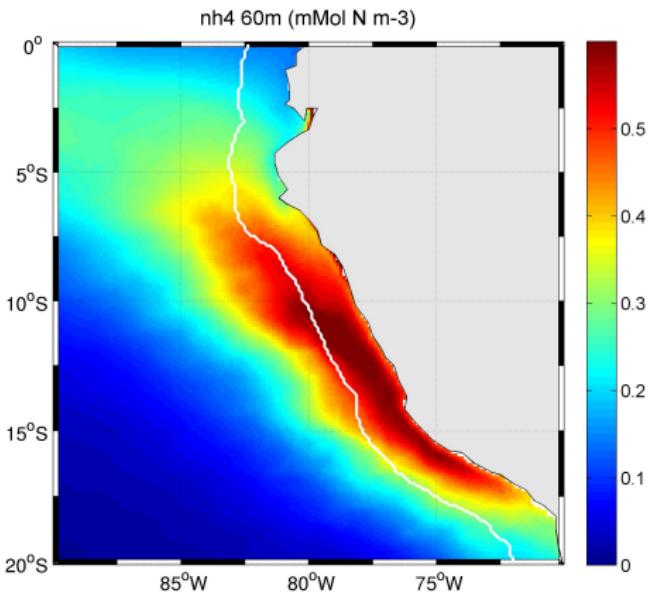
zz2 int

s1 int

s2 int

dd int

## Mean map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

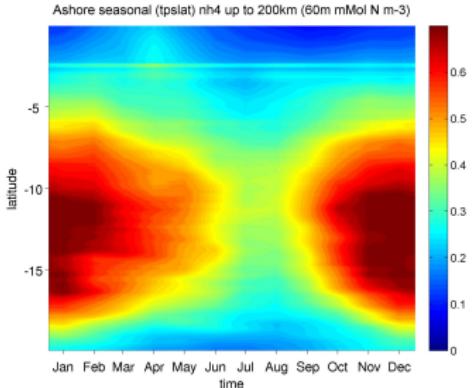
60m

no3 60m  
nh4 60m

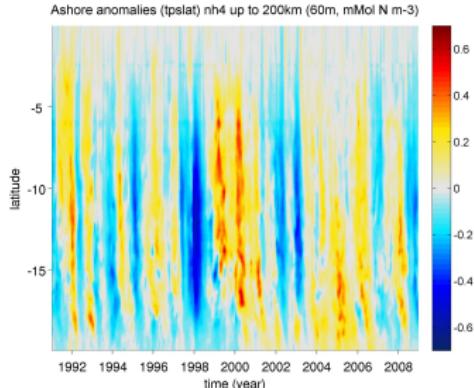
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

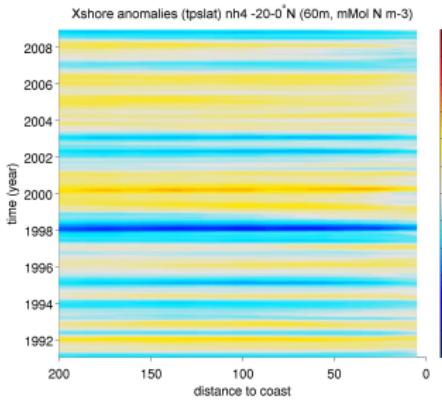
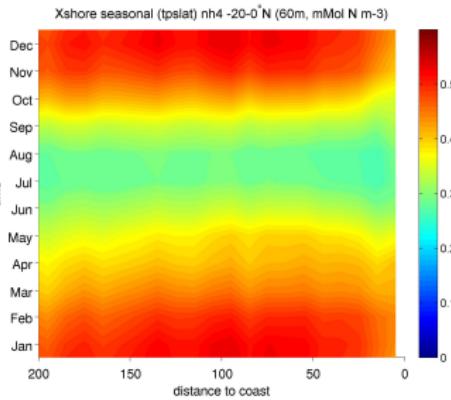
## Seasonal



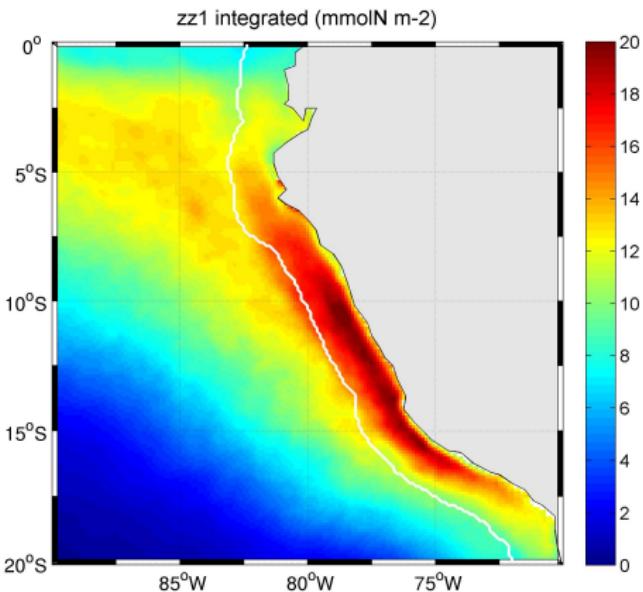
## Anomalies



Ashore



Xshore

Mean  
map

Surface

- zz1 surf
- zz2 surf
- s1 surf
- s2 surf
- dd surf
- no3 surf
- nh4 surf

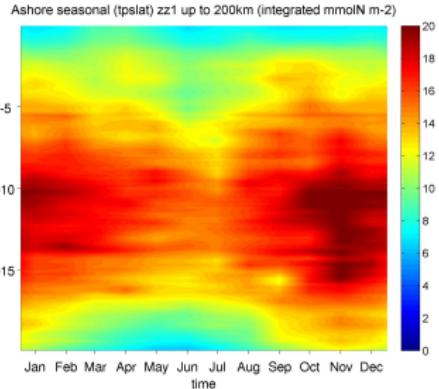
60m

- no3 60m
- nh4 60m

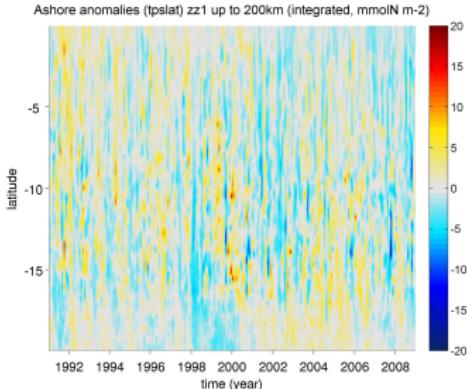
integrated

- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

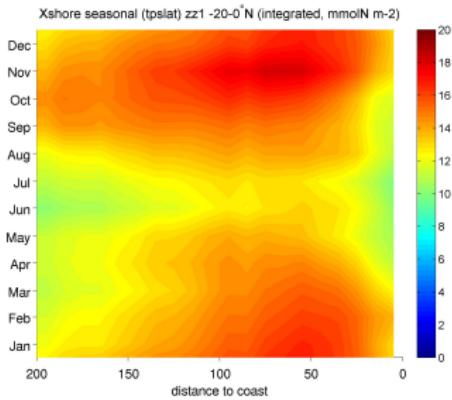
## Seasonal



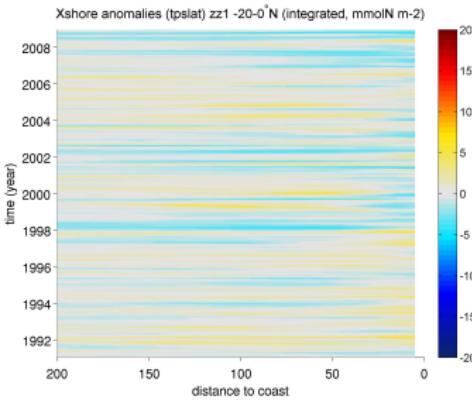
## Anomalies

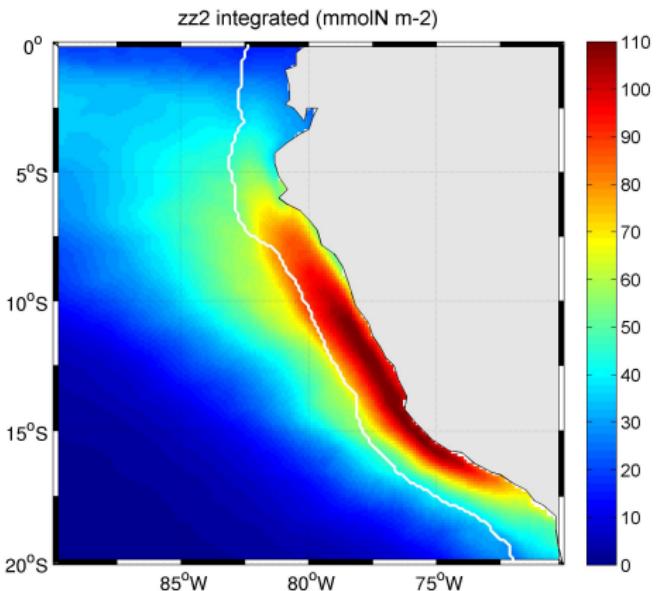


Ashore



Xshore



Mean  
map

Surface

- zz1 surf
- zz2 surf
- s1 surf
- s2 surf
- dd surf
- no3 surf
- nh4 surf

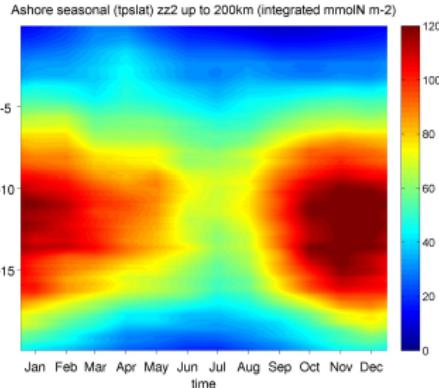
60m

- no3 60m
- nh4 60m

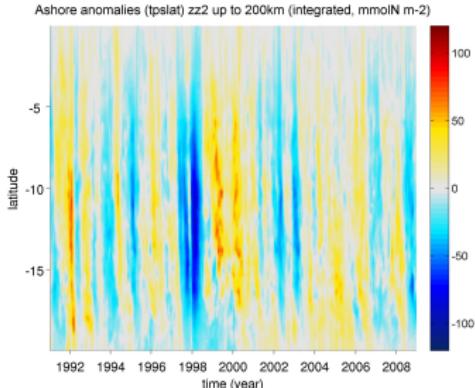
integrated

- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

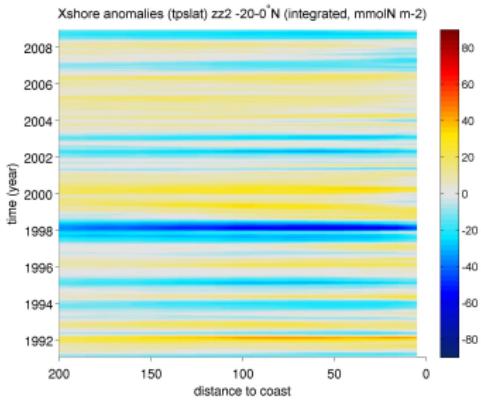
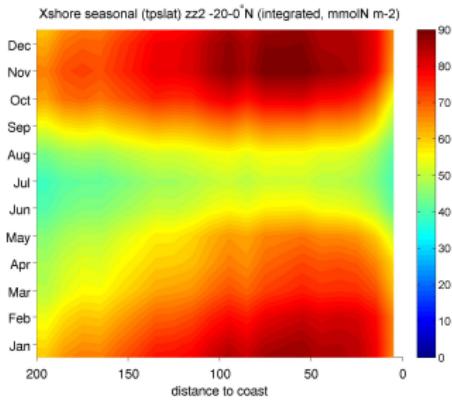
### Seasonal



## Anomalies



Ashore



Xshore

## Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

60m

no3 60m

nh4 60m

## integrated

zz1 int

zz2 int

s1 int

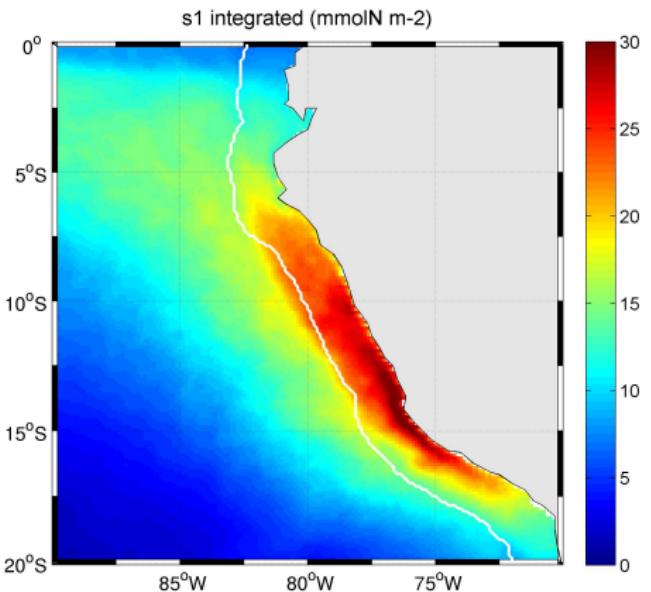
s2 int

s1 int

Zooplankton from  
FAST

MBARI

Mean  
map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

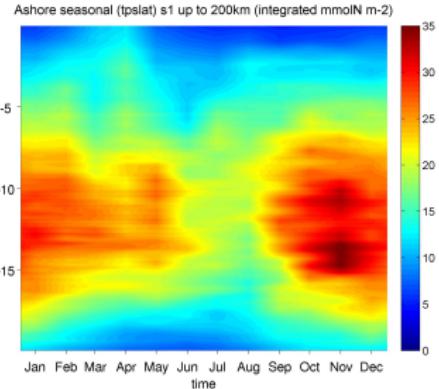
60m

no3 60m  
nh4 60m

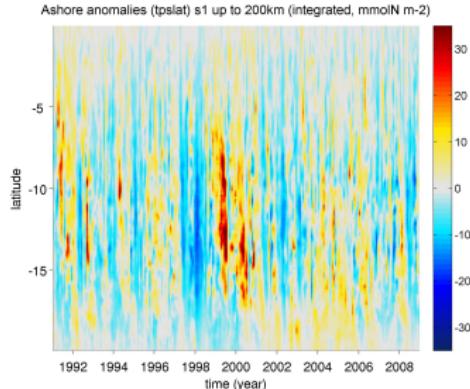
integrated

zz1 int  
zz2 int  
**s1 int**  
s2 int  
dd int

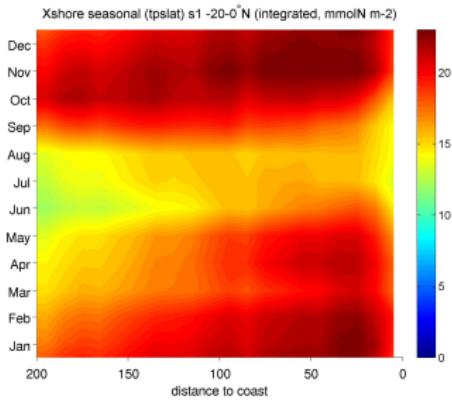
## Seasonal



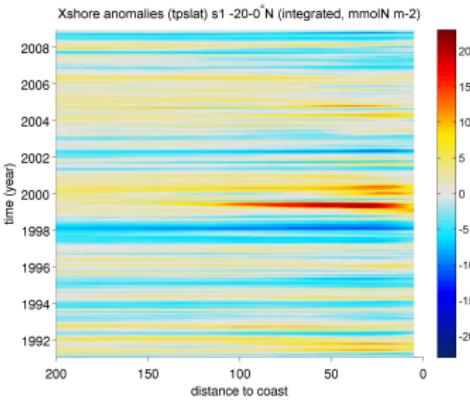
## Anomalies



Ashore



Xshore



## Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

dd surf

no3 surf

60m

no3 60m

nh4 60m

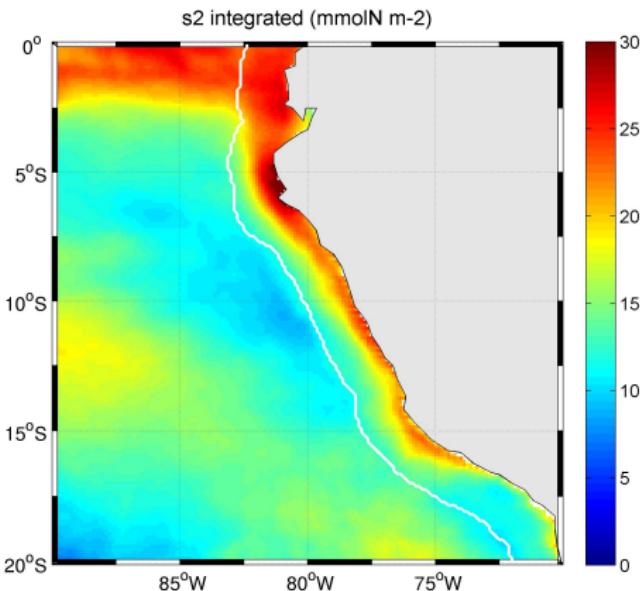
## integrated

zz1 int

zz2 int

s1 int

s2 int

Mean  
map

Surface

- zz1 surf
- zz2 surf
- s1 surf
- s2 surf
- dd surf
- no3 surf
- nh4 surf

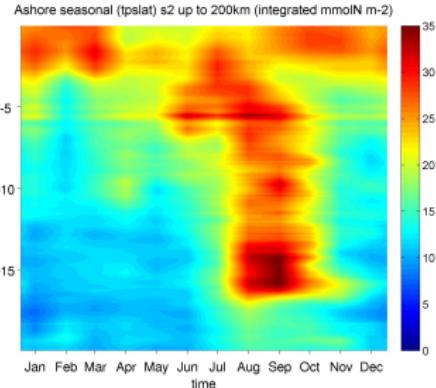
60m

- no3 60m
- nh4 60m

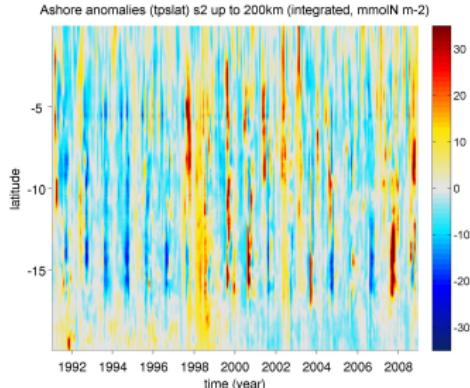
integrated

- zz1 int
- zz2 int
- s1 int
- s2 int**
- dd int

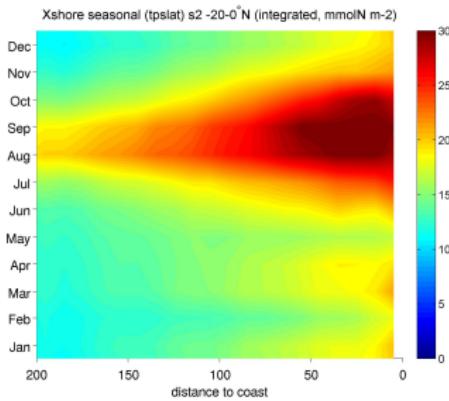
## Seasonal



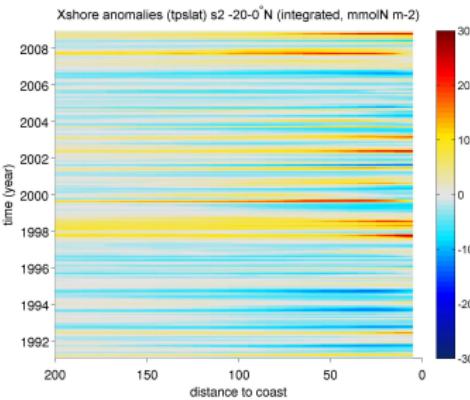
## Anomalies



Ashore



Xshore

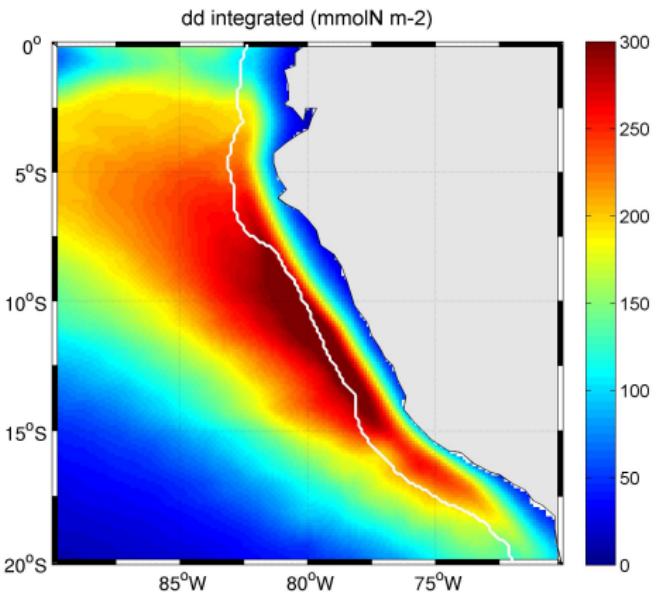


dd int

Zooplankton from  
FAST

MBARI

Mean  
map



Surface

zz1 surf  
zz2 surf  
s1 surf  
s2 surf  
dd surf  
no3 surf  
nh4 surf

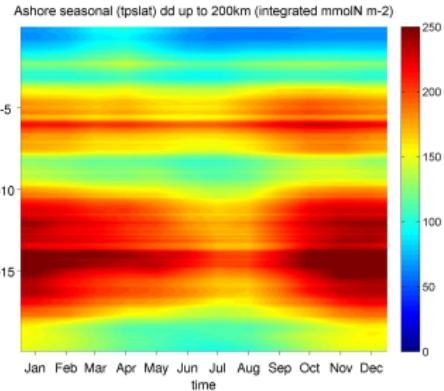
60m

no3 60m  
nh4 60m

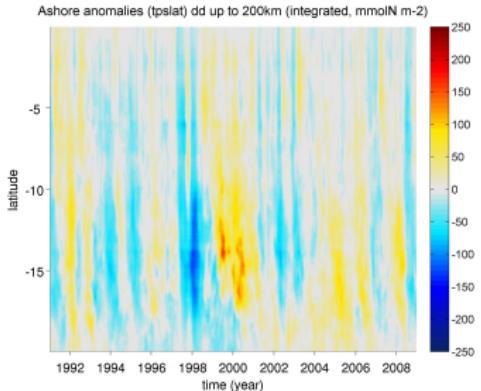
integrated

zz1 int  
zz2 int  
s1 int  
s2 int  
dd int

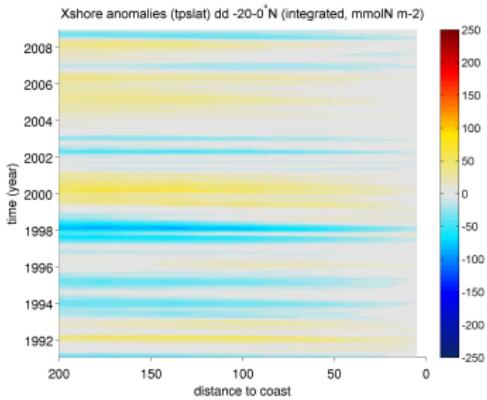
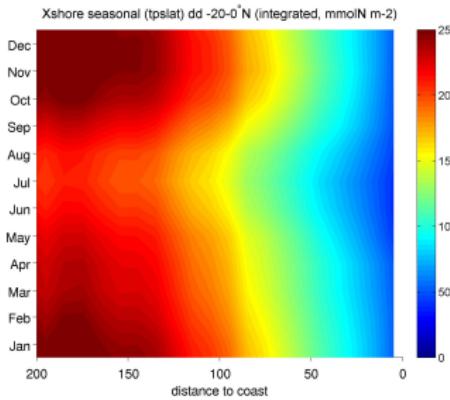
## Seasonal



## Anomalies



Ashore



Xshore

## Surface

zz1 surf

zz2 surf

s1 surf

s2 surf

20

103 sur  
114 sur

60m

no3 60m

nh4 60m

## integrated

zz1 int

zz2 int

s1 int

s2 int

dd int