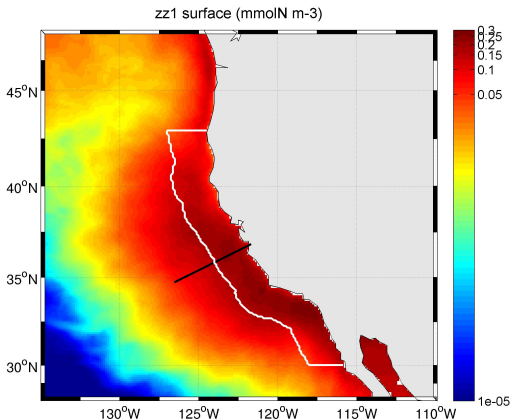


zz1 surf

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

L67

zz1 L67

zz2 L67

s1 L67

s2 L67

dd L67

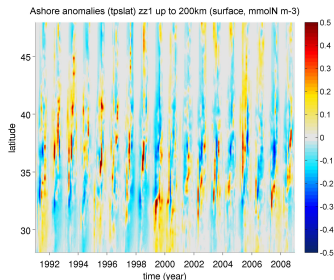
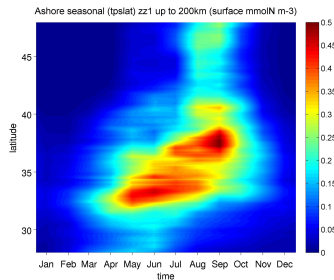
no3 L67

nh4 L67

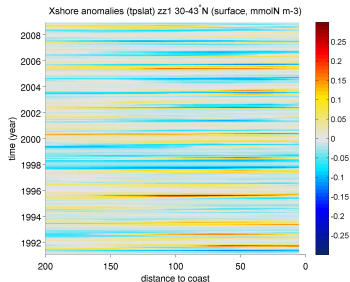
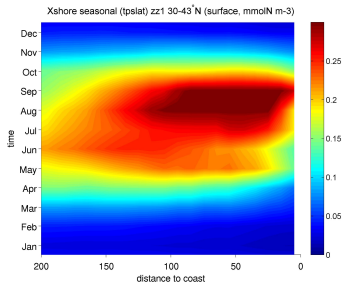
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

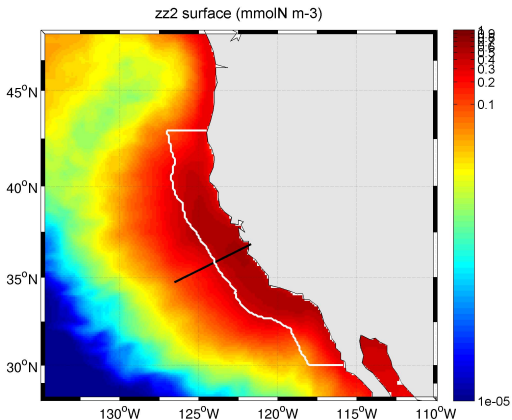
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

zz2 surf

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

L67

zz1 L67

zz2 L67

s1 L67

s2 L67

dd L67

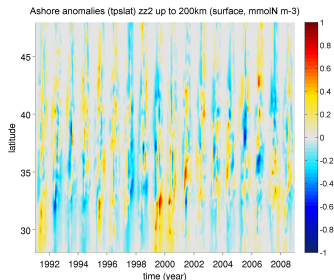
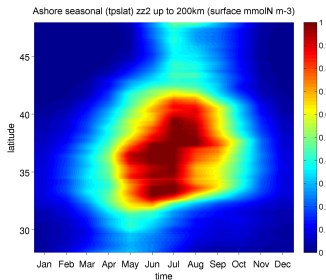
no3 L67

nh4 L67

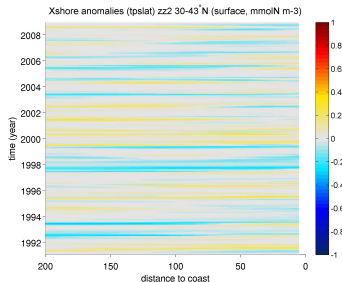
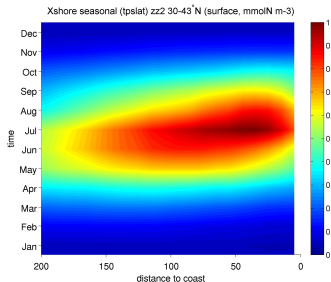
Seasonal

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
- dd int

L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

s1 surf

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

L67

zz1 L67

zz2 L67

s1 L67

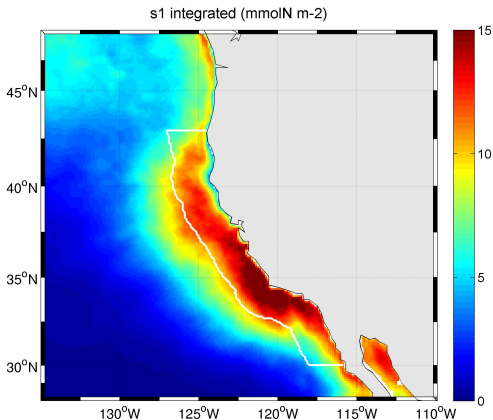
s2 L67

dd L67

no3 L67

nh4 L67

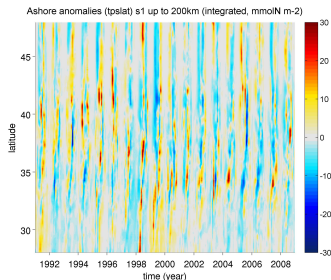
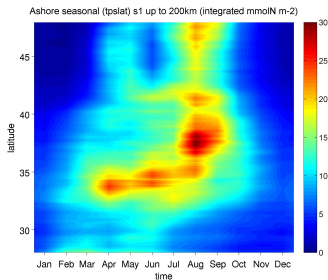
Mean
map



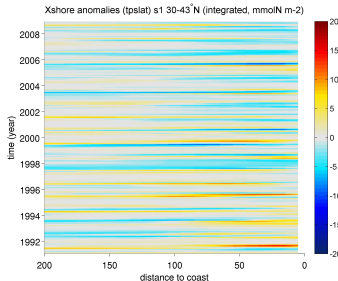
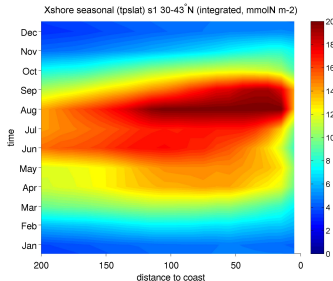
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

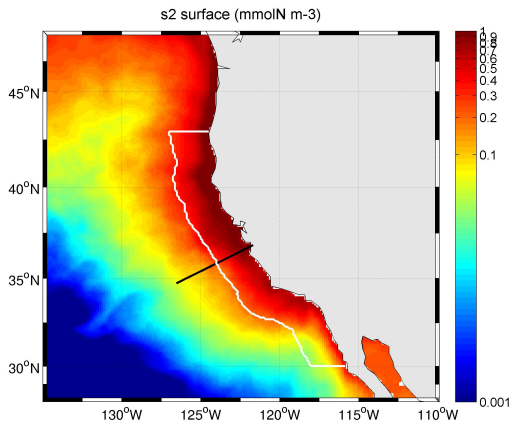
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

s2 surf

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

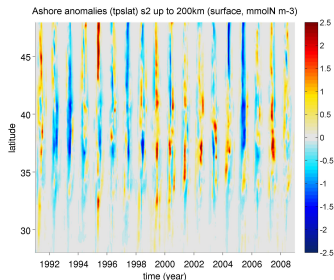
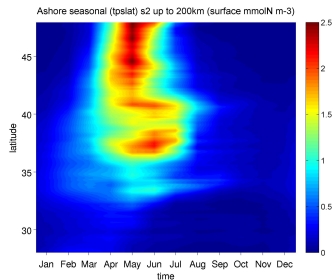
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

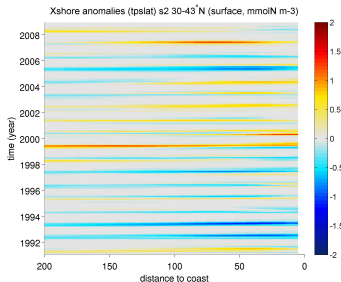
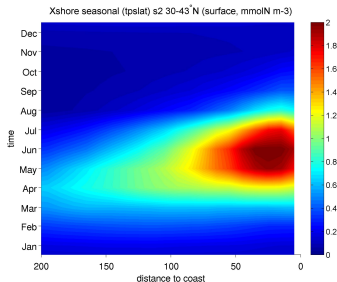
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

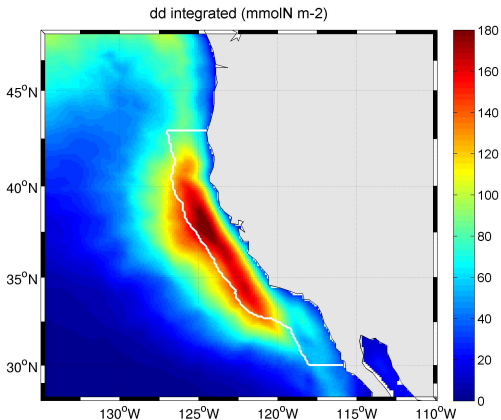
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

dd surf

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

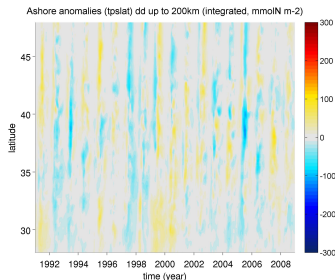
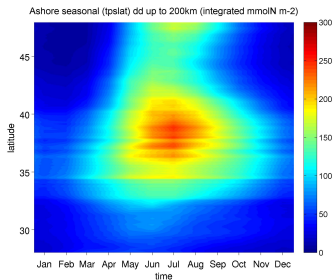
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

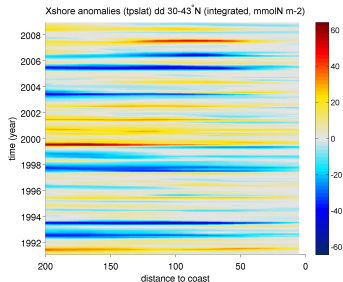
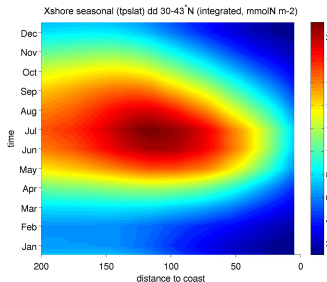
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

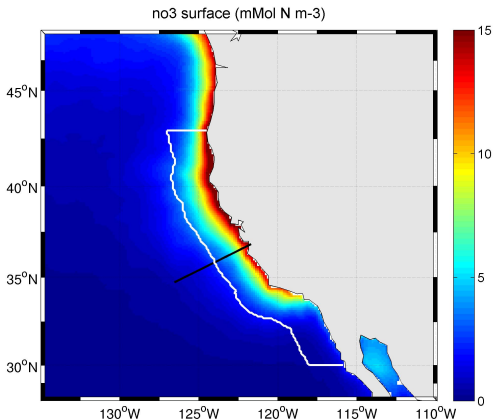
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

no3 surf

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

L67

zz1 L67

zz2 L67

s1 L67

s2 L67

dd L67

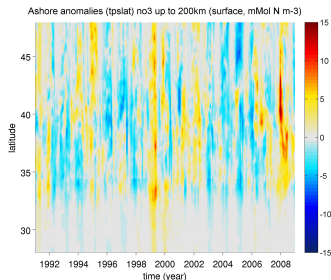
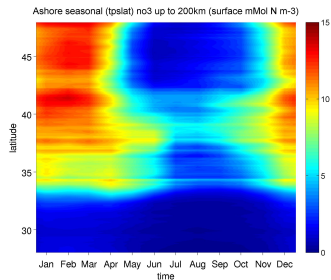
no3 L67

nh4 L67

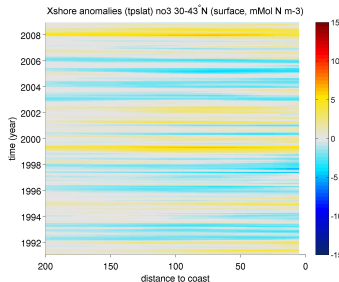
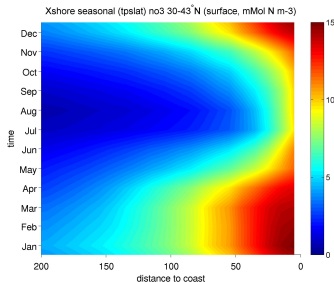
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

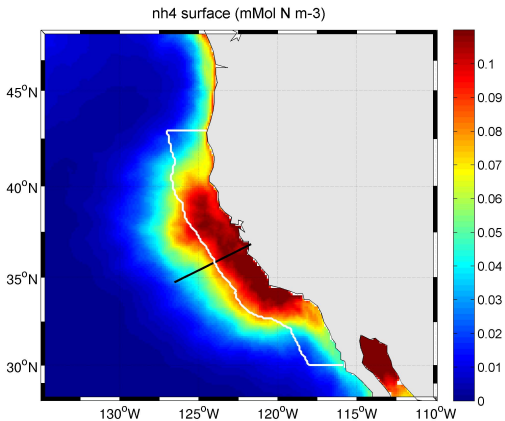
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

nh4 surf

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

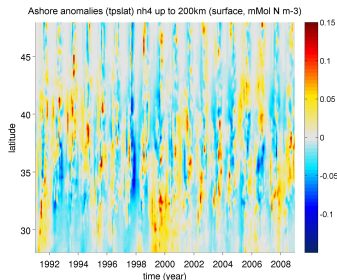
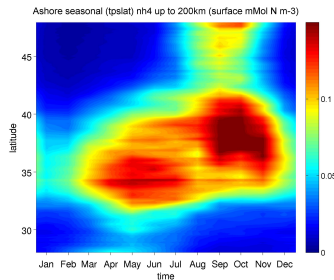
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

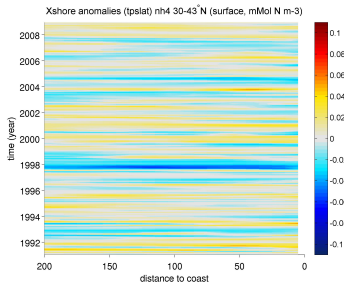
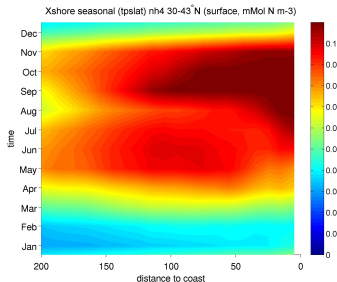
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

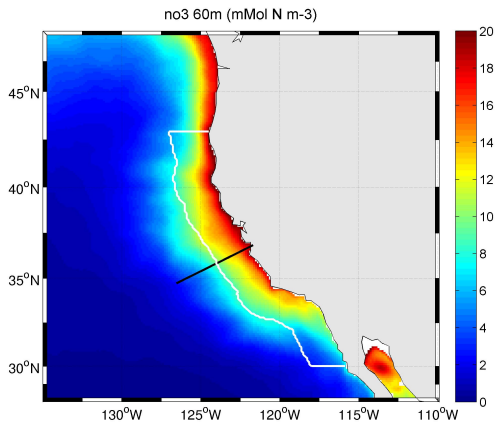
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

no3 60m

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

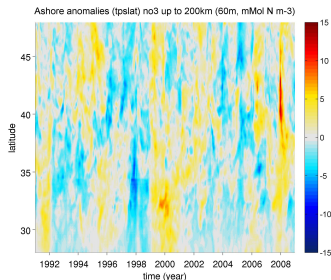
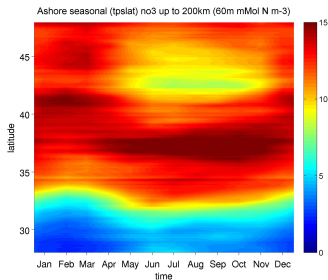
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

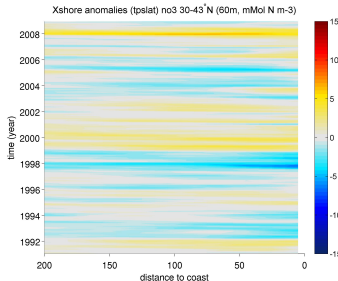
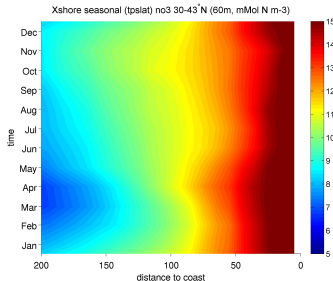
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

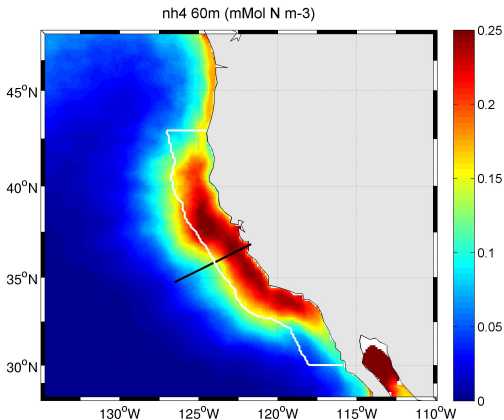
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

nh4 60m

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

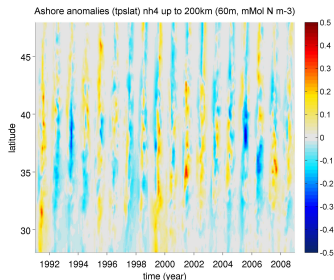
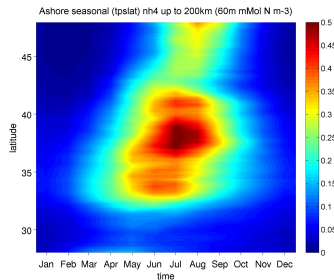
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

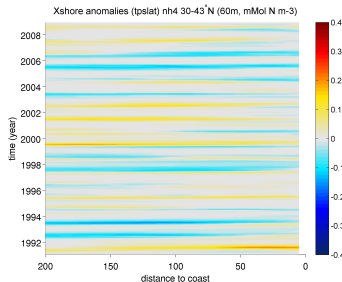
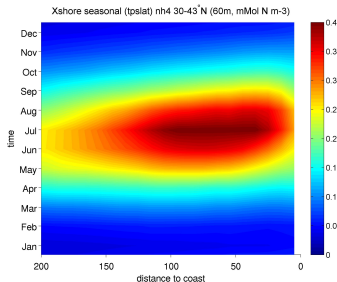
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

- no3 60m
- nh4 60m

integrated

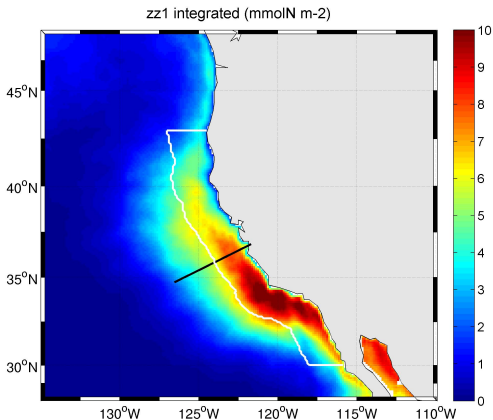
- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

zz1 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

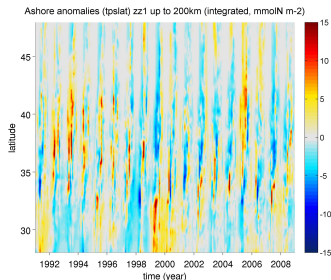
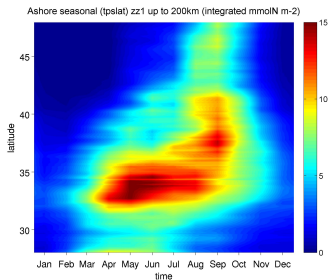
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

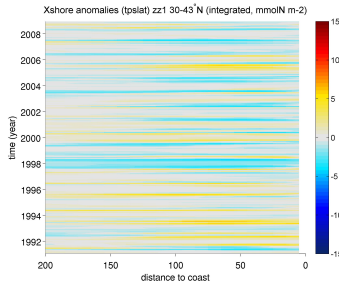
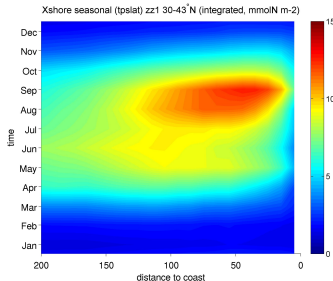
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

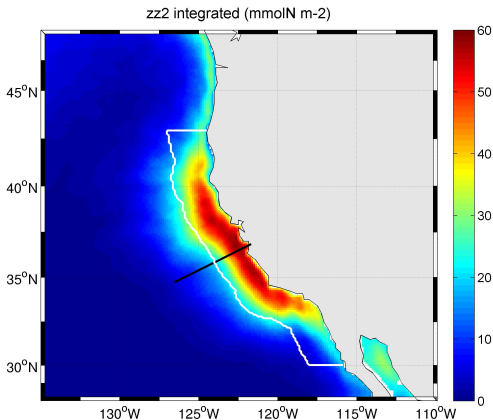
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

zz2 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

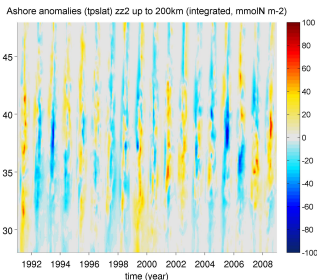
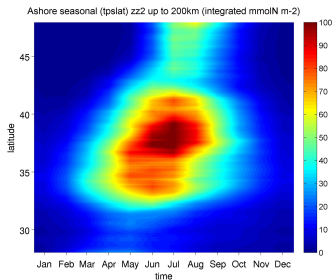
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

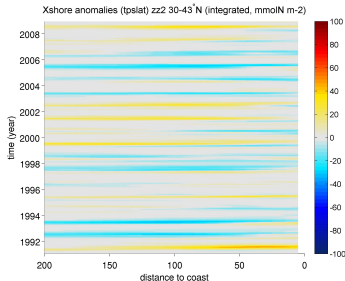
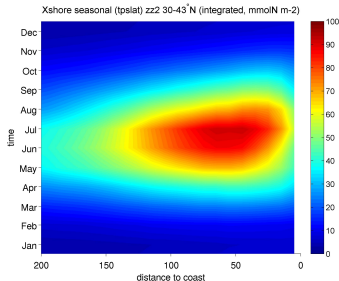
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

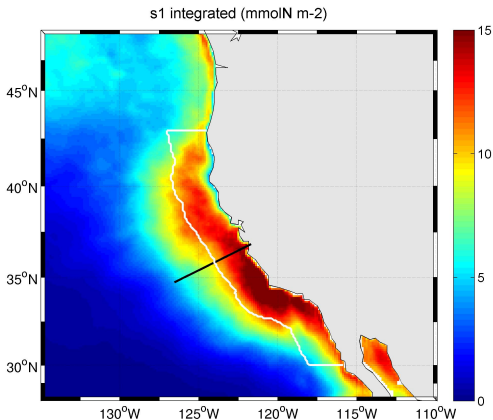
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

s1 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

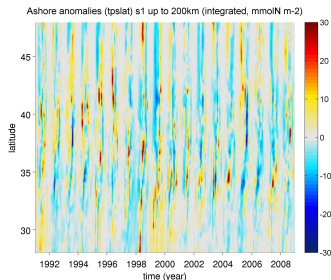
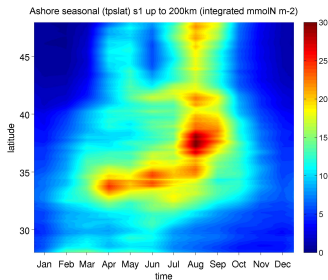
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

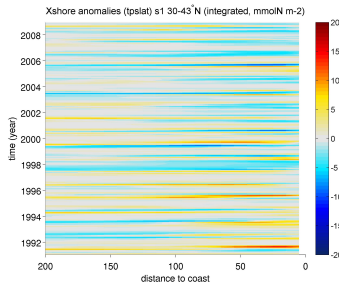
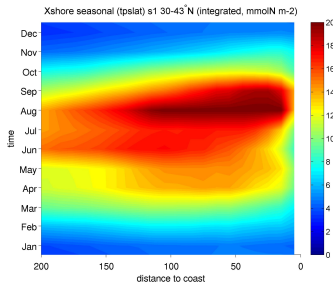
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

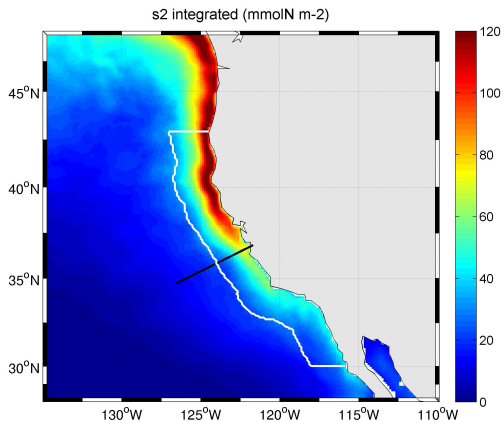
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

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

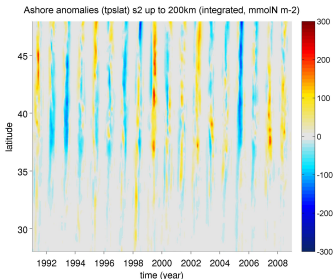
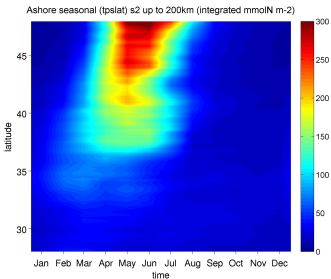
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

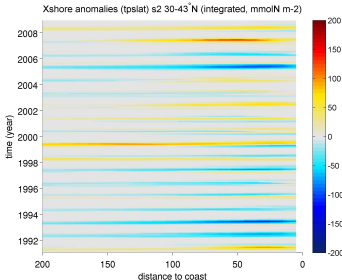
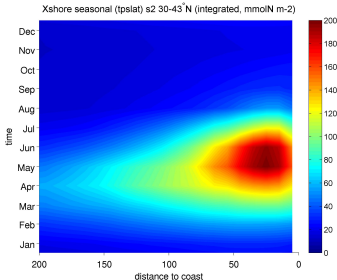
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

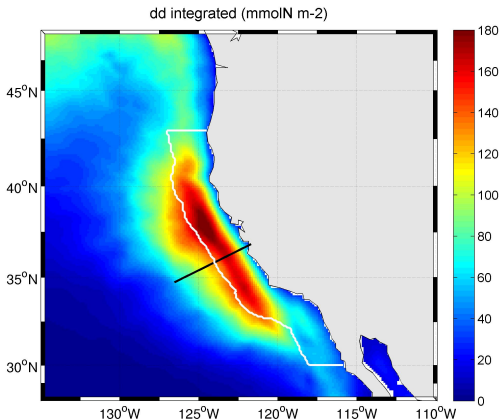
integrated

zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

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

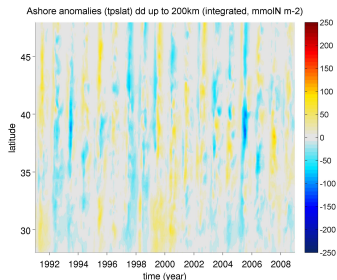
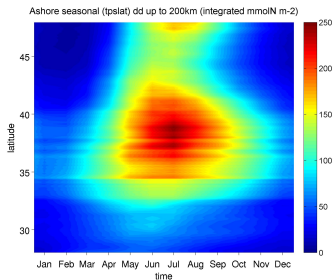
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

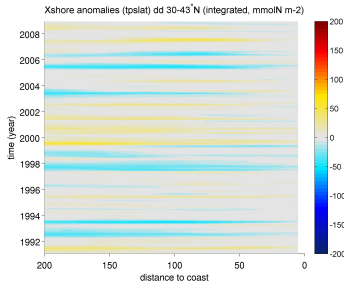
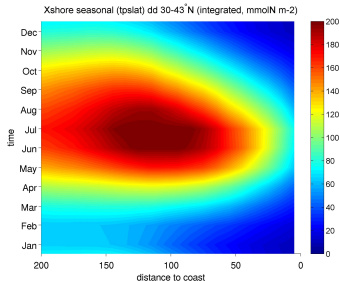
Seasonal

Anomalies

Ashore



Xshore



Surface

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

60m

no3 60m
nh4 60m

integrated

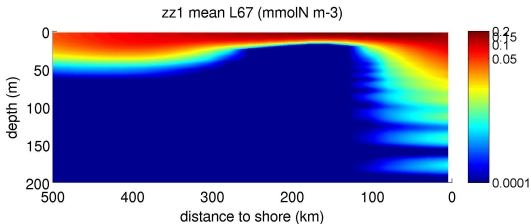
zz1 int
zz2 int
s1 int
s2 int
dd int

L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

zz1 line 67

Mean map



Surface

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

60m

no3 60m
nh4 60m

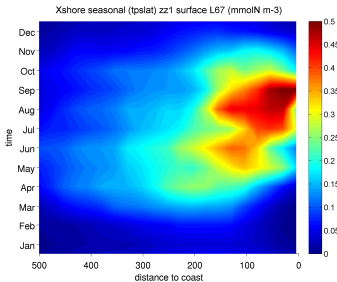
integrated

zz1 int
zz2 int
s1 int
s2 int
dd int

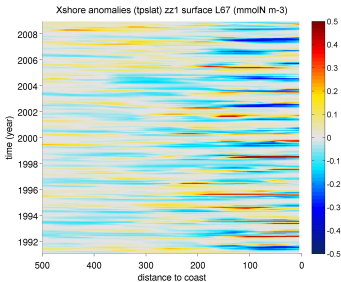
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

Seasonal

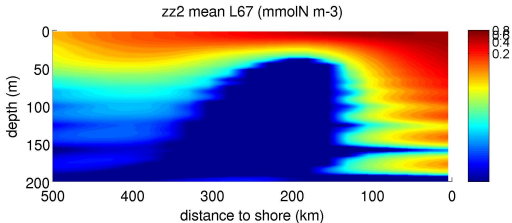


Anomalies



zz2 line 67

Mean map



Surface

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

60m

- no3 60m
- nh4 60m

integrated

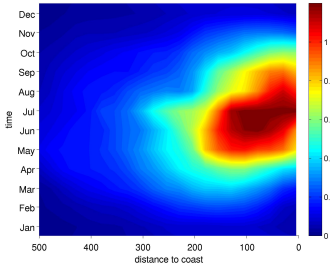
- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

L67

- zz1 L67
- zz2 L67**
- s1 L67
- s2 L67
- dd L67
- no3 L67
- nh4 L67

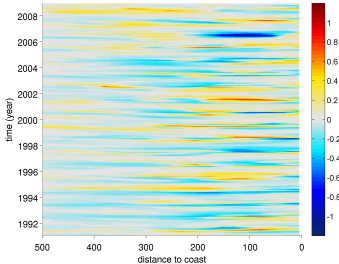
Seasonal

Xshore seasonal (tpslat) zz2 surface L67 (mmolN m-3)



Anomalies

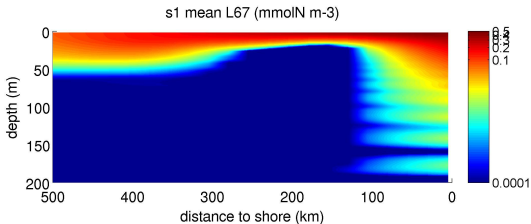
Xshore anomalies (tpslat) zz2 surface L67 (mmolN m-3)



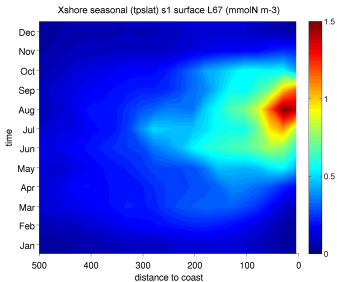
Ashore

s1 line 67

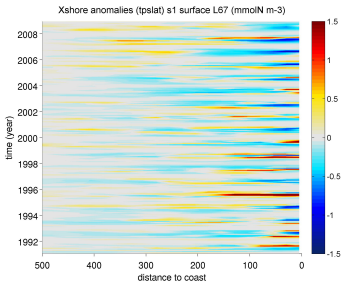
Mean map



Seasonal



Anomalies



Surface

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

60m

- no3 60m
- nh4 60m

integrated

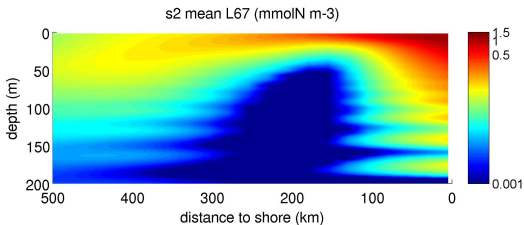
- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

L67

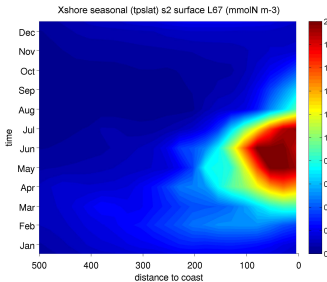
- zz1 L67
- zz2 L67
- s1 L67**
- s2 L67
- dd L67
- no3 L67
- nh4 L67

s2 line 67

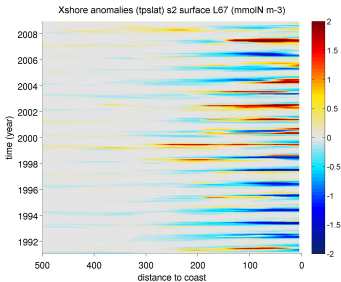
Mean map



Seasonal



Anomalies



Surface

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

60m

- no3 60m
- nh4 60m

integrated

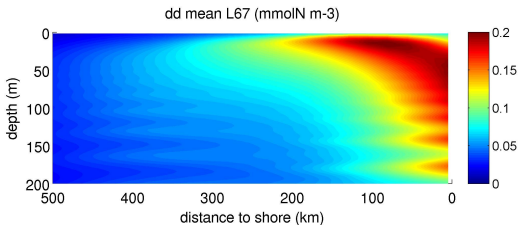
- zz1 int
- zz2 int
- s1 int
- s2 int
- dd int

L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67**
- dd L67
- no3 L67
- nh4 L67

dd line 67

Mean map



Surface

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

60m

no3 60m
nh4 60m

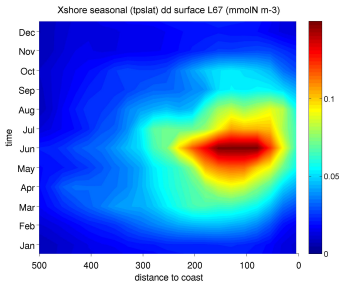
integrated

zz1 int
zz2 int
s1 int
s2 int
dd int

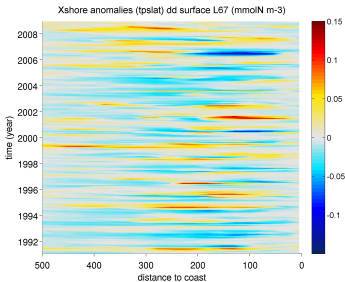
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

Seasonal

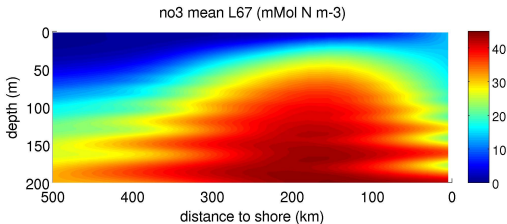


Anomalies



no3 line 67

Mean map



Surface

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

60m

- no3 60m
- nh4 60m

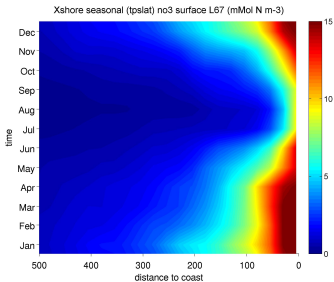
integrated

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

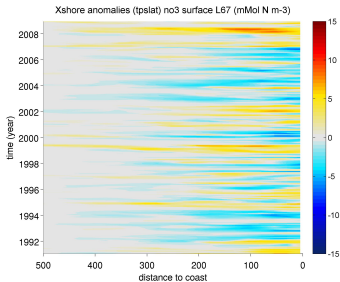
L67

- zz1 L67
- zz2 L67
- s1 L67
- s2 L67
- dd L67
- no3 L67**
- nh4 L67

Seasonal



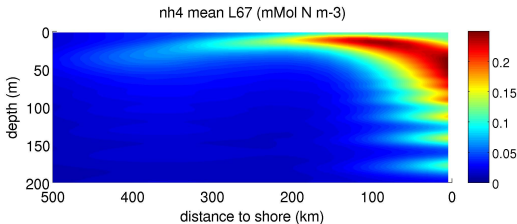
Anomalies



Ashore

nh4 line 67

Mean map



Surface

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

60m

no3 60m
nh4 60m

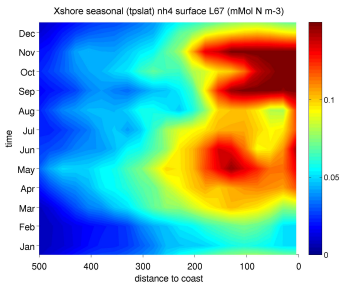
integrated

zz1 int
zz2 int
s1 int
s2 int
dd int

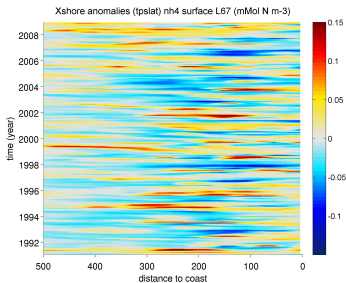
L67

zz1 L67
zz2 L67
s1 L67
s2 L67
dd L67
no3 L67
nh4 L67

Seasonal



Anomalies



Ashore