Figures in Reply on RC1




Fig. 3.12 Surface currents 1993-2010, March and September climatologies (NASA's ocean surface current analysis-real time project, OSCAR
http://www.oscar.noaa.gov/) http://www.oscar.noaa.gov
:ig. 3.16 Annual mean wind-driven upwelling, $\mathrm{cm} \mathrm{d}^{-1}, 1950-1997$ (Xie and Hsieh 1995). Data provided by Liusen Xie, http://www.ocgy.ubc. a/projects/clim.pred/Upwell/




(a) Ammonia Oxidation (b) Nitrite Oxidation

(e) Ammonium (nM)

(f) Nitrite $(\mu \mathrm{M})$

(i) Production

(j) Consumption

$$
\begin{aligned}
& 22 \\
& 23 \\
& 24 \\
& 25 \\
& +26 \\
& 00
\end{aligned}
$$

(c) Nitrite Uptake


## (g) Nitrate ( $\mu \mathrm{M}$ )

(d) Nitrate Reduction


## (h) $\mathrm{NetNO}_{2}$



Relative Depth
A Below PNM

- PNM depth
+ Above PNM


## Region

- Coastal
- Offshore

