

## **Introduction**

1. (p7678 L4) What is the difference between “LCs” and “LC (Line 8)” ? Is this a miss spelling?
2. (p7679 L12) Check the position of “-” in “eutrophic-water” and “oligo-trophic ater”
3. Recheck the reference and citation.

## **Material and methods**

1. (p7680 L8) CTD (conductivity temperature device) => (conductivity temperature depth)
2. (p7680 L14) Coccolith data analyses => Data analysis
3. What is your method for identification of coccolithporid species ? Please add the identification method (method and references).

## **Result**

1. What is the difference between “off-sea” and “off-shore” ?
2. (p7682 L7) is formed => was formed
3. (p7682 L7) Section A => section A (change a lower case letter)
3. (p7682 L17) sum => summed
4. (p7681 L24 ~ p7682 L3) Thus both ~ the East China Sea areas. I think this sentence needs reference with supportive reasons.

## **Discussion**

1. (p7687 L15) dominated => dominant
2. (p7691 L1) en- vironmental factors => environmental factors
3. It will be best discussion and conclusion if you add the opinions from the point of climate change view into your discussion and conclusion.

## **Figures**

1. (p7699) In caption of fig. 1, A section => section A (turn around the order in

other sections)

2. In all of contours in your figures, it is difficult to recognize the difference of data level (in higher part - red and orange color part) by your color index set. Generally the red color represents higher level than the orange and yellow color in a contour map or plots. I suggest the change of color scale in the contour plots of your figures.