

## ***Interactive comment on “Effect of enhanced $p\text{CO}_2$ levels on the production of DOC and TEP in short-term bioassay experiments” by G. A. MacGilchrist et al.***

**G. A. MacGilchrist et al.**

eric@noc.soton.ac.uk

Received and published: 28 May 2014

The replies to the reviewers comments have been uploaded as a pdf file. The revised manuscript with all the graphs has also been uploaded as a pdf, as has the new supplementary figure.

Figure caption for supplementary figure: Supplementary figure 1: Evolution of total bacterial abundance (cells  $\text{m}^{-3}$ ) and primary production ( $\text{mmol C m}^{-3} \text{d}^{-1}$ ) in five bioassay experiments across three time points for all  $p\text{CO}_2$  treatments. Legend shows the colours and symbols used to denote the different  $p\text{CO}_2$  treatments. Bacterial abundance was measured using flow cytometry (Zubkov et al., 2001). Primary

C1912

production was measured using  $^{14}\text{C}$ -labelled sodium bicarbonate (see Richier et al., 2014 for more details). Zubkov, M.V.; Sleigh, M.A.; Burkill, P.H.. 2001 Heterotrophic bacterial turnover along the  $20^\circ\text{W}$  meridian between  $59^\circ\text{N}$  and  $37^\circ\text{N}$  in July 1996. Deep-Sea Research II, 48 (4-5). 987-1001.

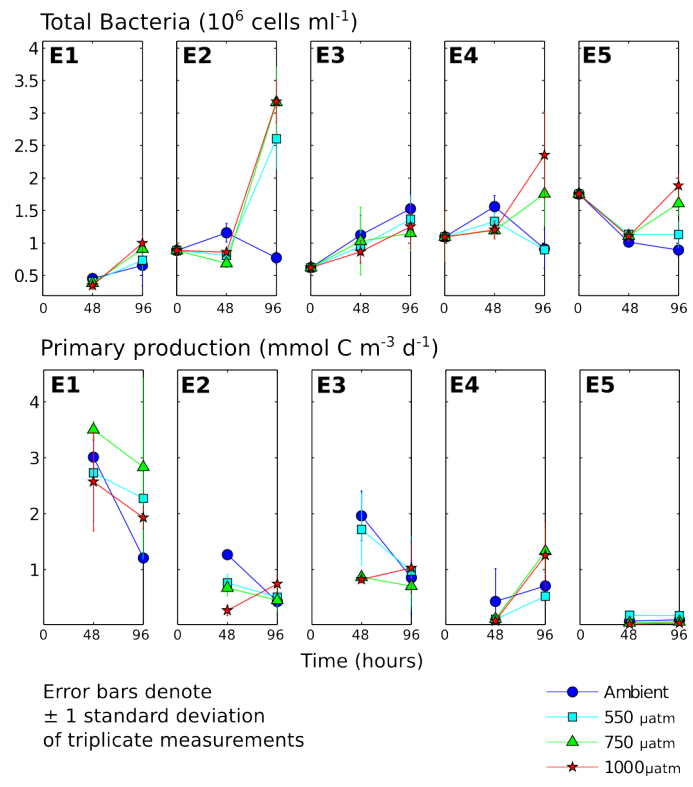
Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/11/C1912/2014/bgd-11-C1912-2014-supplement.zip>

---

Interactive comment on Biogeosciences Discuss., 11, 3701, 2014.

C1913



**Fig. 1.**