

Interactive  
Comment

***Interactive comment on* “Technical Note:  
Detection of gas bubble leakage via correlation of  
water column multibeam images” by  
J. Schneider von Deimling and C. Papenberg**

**H. Sahling**

hsahling@marum.de

Received and published: 16 September 2011

The topic of estimating rise velocities of bubbles is certainly of interest. The authors convincingly show that they can extract these data from a multibeam system. In general, the text is thoroughly prepared, very well written, and describe the conducted study decently. However, as I have never applied the statistics so far, I can not comment on the cross-correlation technique described in the manuscript.

A stationary ship is needed in order to estimate the rise velocities of bubbles. In addition, the resolution of the echosounder is limiting. When I understand correctly, the method can therefore only applied in shallow water of a few tens of meters. These

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



issues somehow limit the application of the proposed method.

---

Interactive comment on Ocean Sci. Discuss., 8, 1757, 2011.

**OSD**

8, C648–C649, 2011

---

Interactive  
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C649

