

Interactive comment on “Reactive and organic halogen species in three different European coastal environments” by C. Peters et al.

Anonymous Referee #3

Received and published: 19 September 2005

This paper reports a comprehensive set of results from two recent field campaigns and a re-evaluation of data obtained in an earlier campaign to further the evaluation of reactive halogen species (in particular BrO, IO, OIO, and I₂) in the marine coastal environment. Measurements were based on the well established DOAS technique. As a valuable aid to the interpretation of these measurements (or in most cases upper limits) of these species a number of iodinated and brominated hydrocarbons measured in locations of close proximity to the DOAS measurements are also presented.

The paper is very well organized and provides an up to date picture of our understanding of the correlation between the exposure of macroalgae in coastal regions, using various sites of different biological activity, and elevated levels of reactive halo-

Full Screen / Esc

Print Version

Interactive Discussion

Discussion Paper

gen species. The paper finishes with a check list summary which greatly helps clarify the conclusions from this work and areas that need further attention. This paper is a welcome addition to the topic of halogenated species in the marine environment and I recommend publication in its present form.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 6077, 2005.

ACPD

5, S2698–S2699, 2005

Interactive
Comment

Full Screen / Esc

Print Version

Interactive Discussion

Discussion Paper