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Atmospheric Chemistry and Physics Discussions

Interactive comment on "First-year sea-ice contact predicts bromine monoxide (BrO) levels better than potential frost flower contact" *by* W. R. Simpson et al.

W. R. Simpson et al.

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1) Specific Comments:

a) We agree that carbonate precipitation is likely involved in the process by which salts become bromine activated. We have added comments on the pH issue in the discussion to this regard.

b) We agree that the R-squared of the relationship between PFF and BrO for this data set is small and best described as uncorrelated. We have changed the abstract to reflect this idea.

2) Technical Corrections:

a) We have moved the McConnell reference to be clearer. Thanks for this clarification.

b) We have defined these acronyms.

c) We added degree symbols to all geographical coordinates

d) We have used nmol/mol, etc. for gas-phase mole fractions.

e) We have corrected all diacritics.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 11051, 2006.