

## ***Interactive comment on “Simulations of anthropogenic bromoform indicate high emissions at the coast of East Asia” by Josefine Maas et al.***

**Anonymous Referee #3**

Received and published: 22 March 2020

The manuscript is an interesting manuscript that assess the amount of bromoform produced from power plant cooling water treatment in East and Southeast Asia. The spread of bromoform is simulated as passive particles that are advected using the 3-dimensional velocity fields from the high-resolution ocean general circulation model. The manuscript is worth publication after minor revision.

Detail comment 1. Include full name of FLEXPART in the abstract. 2. What the author mean by “we expect” in their sentence “From comparison of our model results to observations, we expect initial bromoform concentrations between 20–60  $\mu\text{g L}^{-1}$  used for the two lower scenarios, to be most realistic” in the abstract?. I think more proper word should be used. 3. Introduction, Line 39-40: Include reference. 4. Line 77-78: “Furthermore, new measurements of bromoform in disinfected cooling water have

C1

become available suggesting potentially higher concentrations of up to 500  $\text{nmol L}^{-1}$  (Yang, 2001)”. Is there any latest reference to represent “new measurements”? 5. Line 128: The DRAKKAR Group, 2007: Is this a reference? If it is a reference, please list it in the Reference list.

---

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-1004>, 2020.

C2