IASOA Methane, Ozone/Trace Gases Working Group

September 12, 2017

Chair(s): Irina Petropavlovskikh

Facilitator: Sara Morris

Attendees: Audra McClure, Taneil Uttal, Kristof Bognar, Kim Strong, Shima Shams, Xiaoyi Zhao, Xin Yang, Henrik Skov, Detlev Helmig

Role Call of group members

- Welcome Back! (Irina Petropavlovskikh) – Overview of group focus: expand to include Methane and other trace gases, look to invite a co-chair in this area of study.
- Discussion of Eureka Surface Ozone (Sara Morris) – Eureka instrument looks great, overview of previous spring ozone depletion events. Brief overview of internal cal part (lamp) broken, to be replaced this October, not impacting daily measurement collections. Discussion of the future of Eureka station (funding: overview given by Kim Strong)
- Discussion Climatology Publication (Audra McClure) – Rough draft has been produced that includes most all IASOA stations. Planning to send email to all instrument PI’s for additional instrument and processing information. Discussion of addition Eureka station to climatology publication (S. Morris). Planning to submit paper to Atmospheric Chemistry Physics Journal. Publication will not focus on comparison to model outputs: will work in parallel with Xin to produce two parallel publications (Obs. Focus vs Model Focus.)

Action Items:

- Send out Summit White Paper to working group (Petropavlovskikh, Morris)
- Re-send Xin presentation to working group (Morris)
- Fill co-chair position for working group (Petropavlovskikh, ALL)
- Provide links to data using for climatology publication to Xin for parallel model publication (McClure)
- Next time: determine presenters to give presentations on three primary trace gases (O3, CH4, CO), why they are important to measure in the Arctic, challenges in making these measurements in the Arctic (Uttal)