

July Questions for the High Latitude Surface Fluxes Working Group

Focus: In Situ Measurements and Related Flux Modeling over ice

- 1) What (if anything) makes fluxes over ice different from fluxes over land?
 - A) From an observational perspective
 - B) From a modeling perspective

- 2) Fluxes over ice
 - A) Are all flux parameterization similar in their estimates of fluxes?
 - B) What do we need to consider?
 - i) Does atmospheric stability matter?
 - ii) Is a neutral drag coefficient sufficient (is so, sufficient for what)?
 - iii) Are different types of observations needed?
 - C) What accuracy are we likely to be able to achieve with current algorithms? The answer depends on
 - i) The accuracy of the input data required by these flux models, and
 - ii) The spatial/temporal sampling.
 - iii) Can we separate these issues?
 - D) What do people think it will take to do better?
 - i) From an observational perspective
 - ii) From a modeling perspective

Sarah and I request that information to be posted on the FTP or websites be sent at least a day before the meeting. That will us organize our thoughts, and allow for a smoother start to the discussion.

Cheers,
Mark