Activity 2 Participant Call November 29, 2022

Participants: Olivia Clifton, Jesse Bash, Christopher Holmes, Shihan (Susie) Sun, Christian Hogrefe, Roberto San Jose, Paul Makar, Johannes Flemming, Lisa Emberson

Olivia noted that in early November additional issues were found with some solar radiation data points at Easter Bush. The observational data was reprocessed to screen out these data points and new files were posted to the GoAnywhere site. However, modelers who had already submitted results were not asked to rerun their models, the data points in question will be screened out during analysis. Modelers planning their own analyses are asked to download the updated Easter Bush data file.

Olivia also noted that she has now obtained the latest simulations from all groups (except for results from DO3SE which hopefully will become available before Christmas) and is carefully rechecking all analyses, plots, and draft discussions in the manuscript to make sure things are correct before sending the manuscript to co-authors. Given the upcoming AGU conference in December and AMS conference in early January, the draft manuscript may or may not be shared prior to the Holidays. When it is shared, it might be shared with a smaller subset of collaborators for initial comments and review before sharing it with all co-authors.

Olivia shared plots she has prepared for the manuscript. Call participants provided feedback:

- Observed ozone deposition velocity monthly averages at all sites, accounting for differences in data capture across years when computing multi-year means
- Multiyear observed and modeled monthly averages at all sites
- Multiyear monthly mean ozone Vd vs LAI for observations and models – meant to address the question to which extent seasonality in Vd is driven by seasonality in LAI
- Bar chart to analyze the contribution of effective conductance seasonal variances and co-variances to total Vd seasonal variance
- Plot comparing observed and modeled differences for “all hours” vs. “non-negligible snow depth” conditions at four sites with available snow depth measurements.
- Multi-year modeled seasonal variations in stomatal uptake
- Multi-year modeled seasonal variations in effective conductances and total Vd
- Multi-model spread across multi-year seasonal mean deposition velocities and effective conductances for the different seasons for different sites

The next call will be Tuesday January 3, 2023, then on the first Tuesday of each month after that. Christian to send out calendar invitations.