



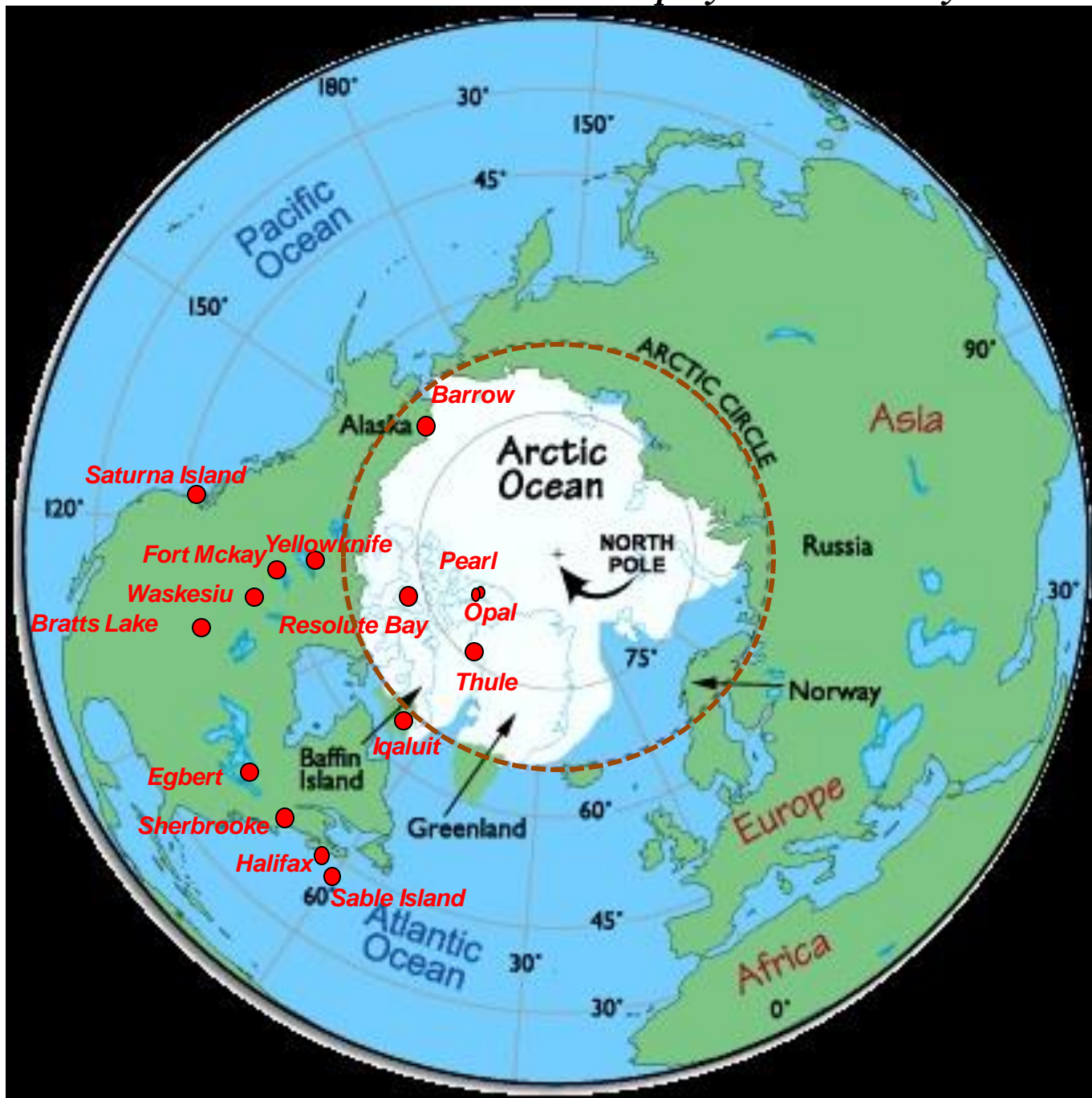
Climatological scale evaluation of GEOS-Chem model over the Arctic using sunphotometry retrievals

NETCARE workshop, University of Toronto, 16-17th Nov-2015

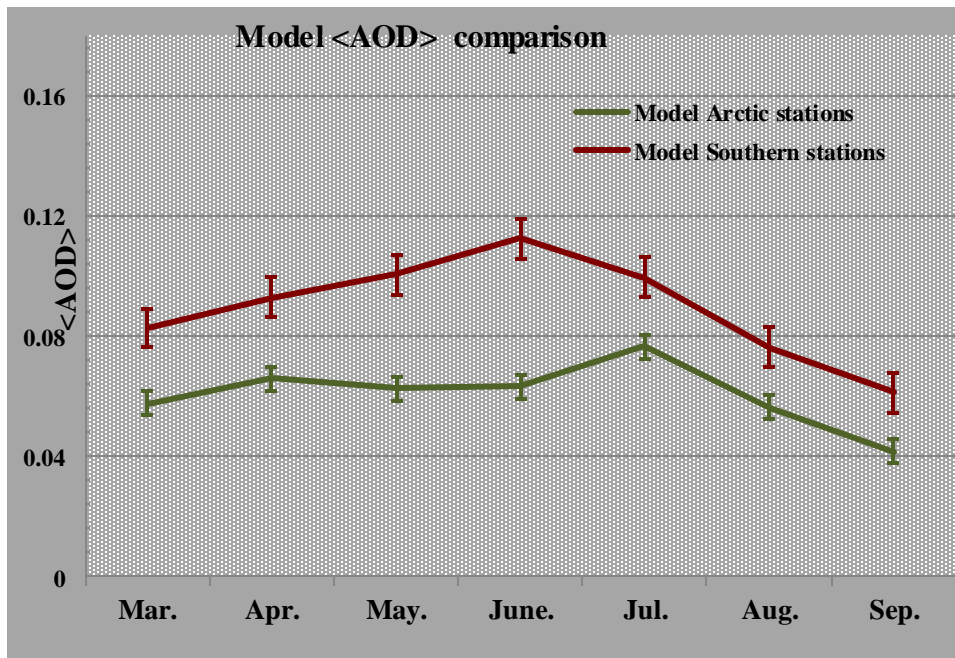
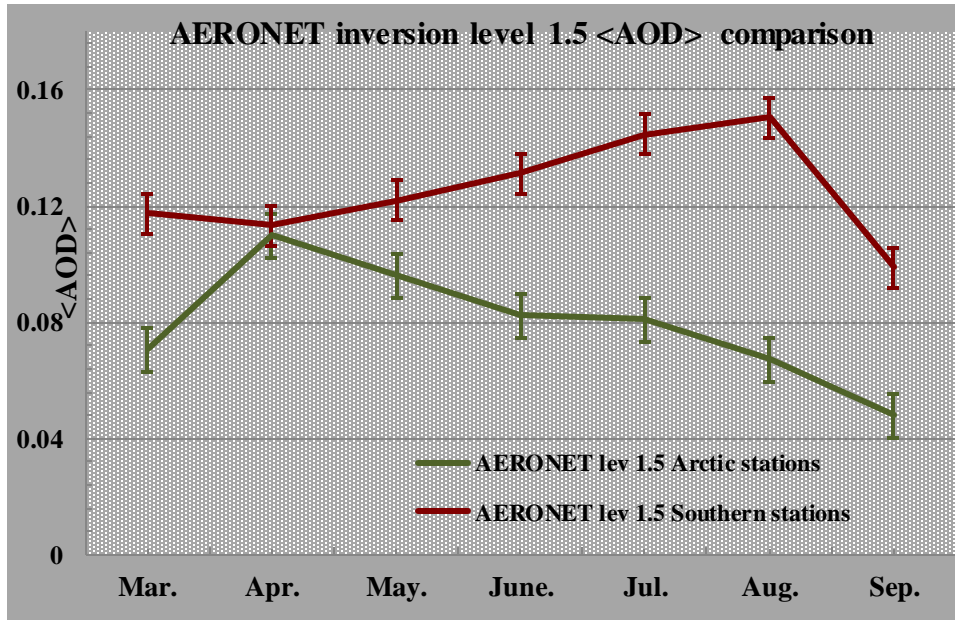
U. de Sherbrooke: Sareh Hesaraki, Norm O'Neill & Auromet Saha

U. Dalhousie: Randall Martin, Glen Lesins

AEROCAN/AERONET sites employed in our study

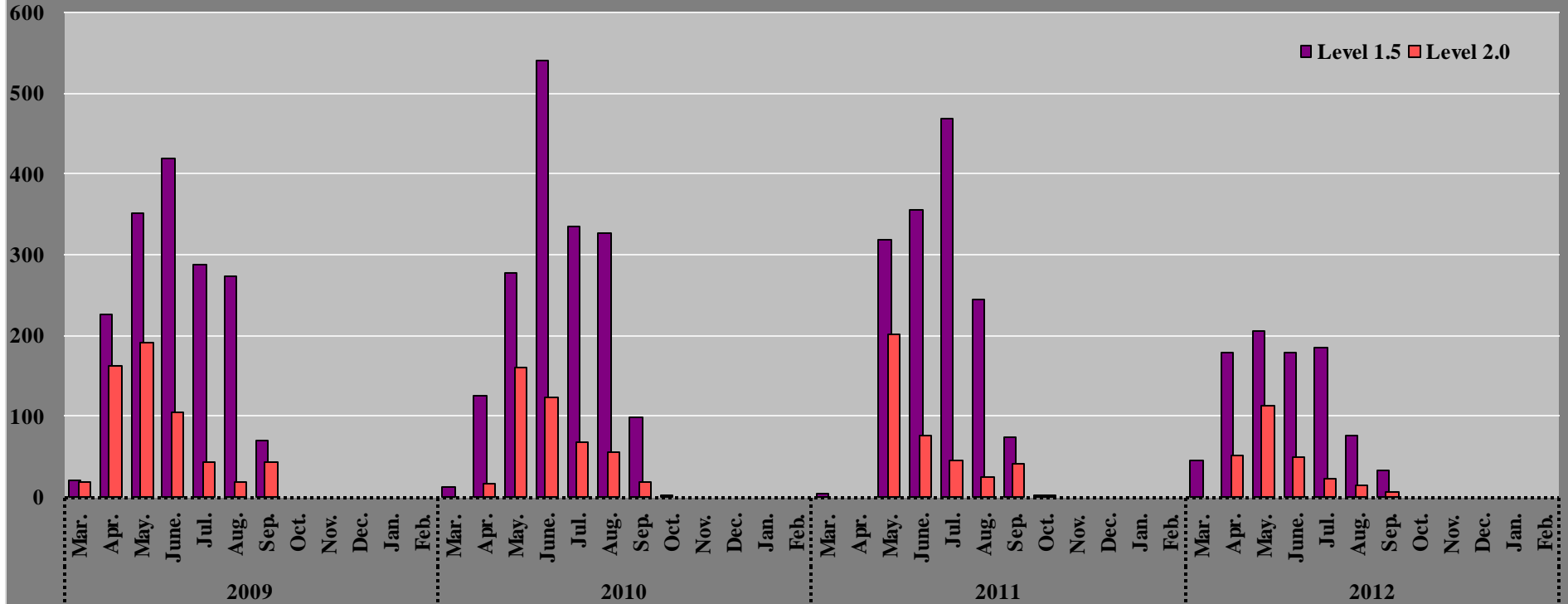


Arctic VS southern sites (AERONET & model)

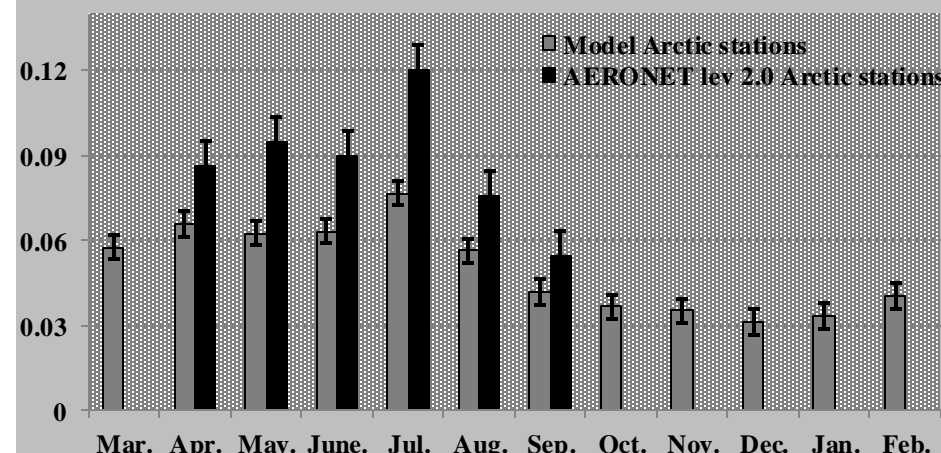
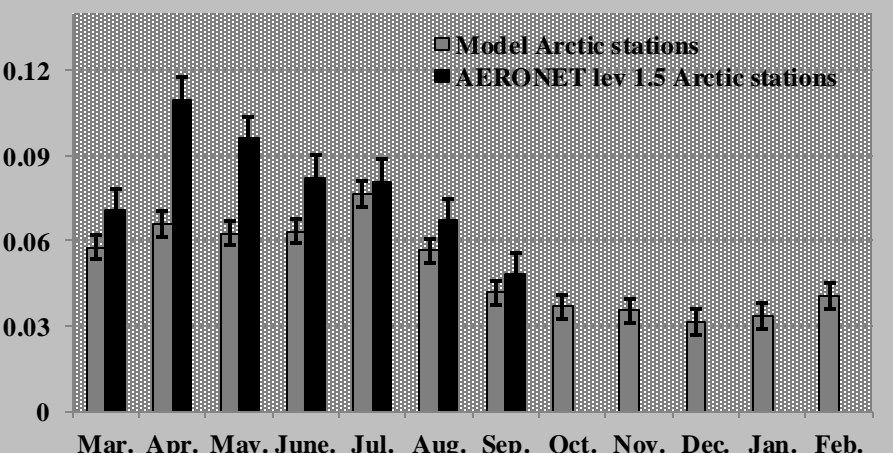
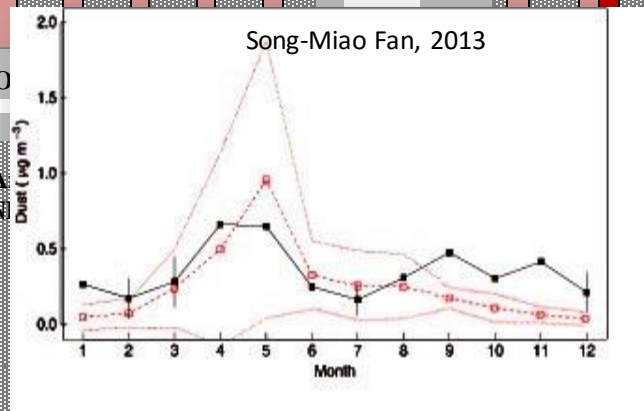
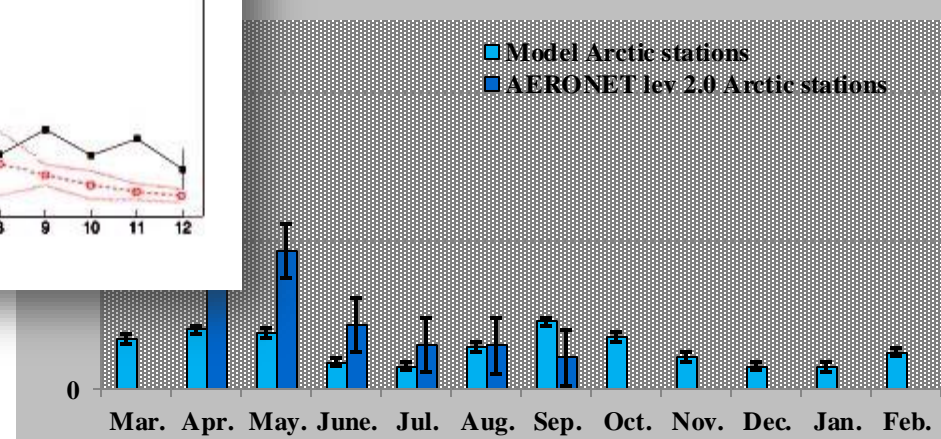
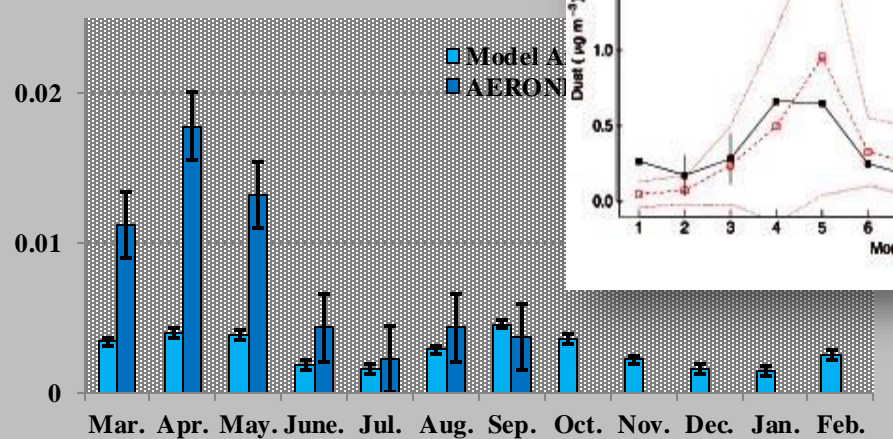
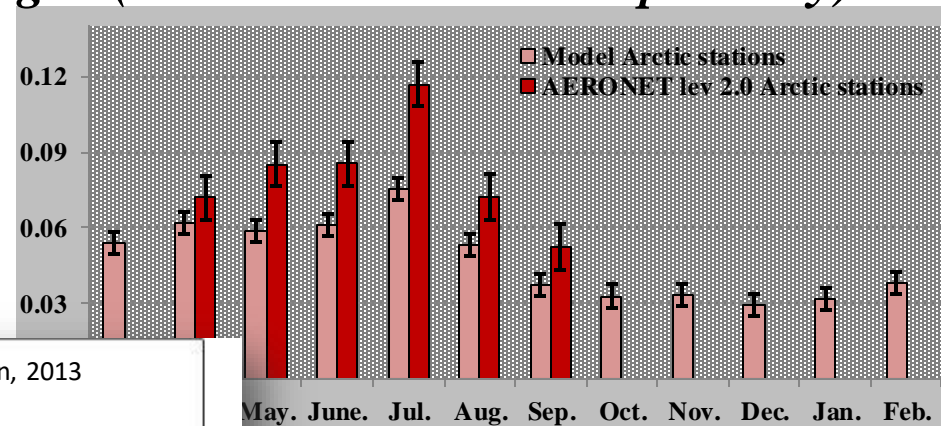
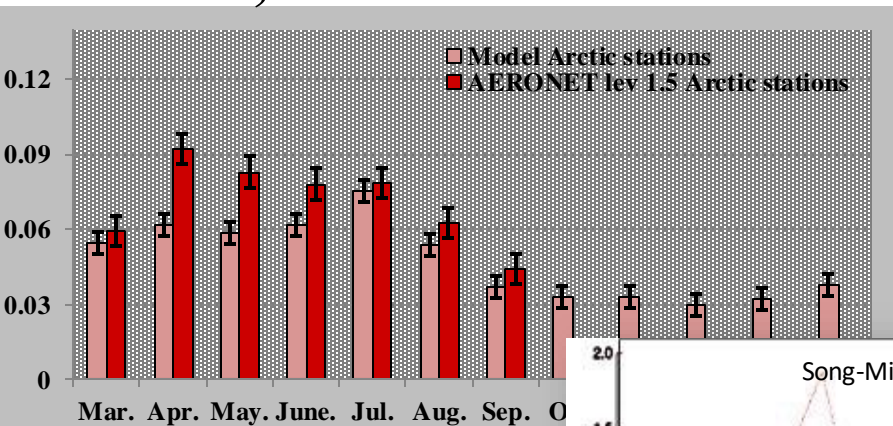


The number of retrievals is an issue!

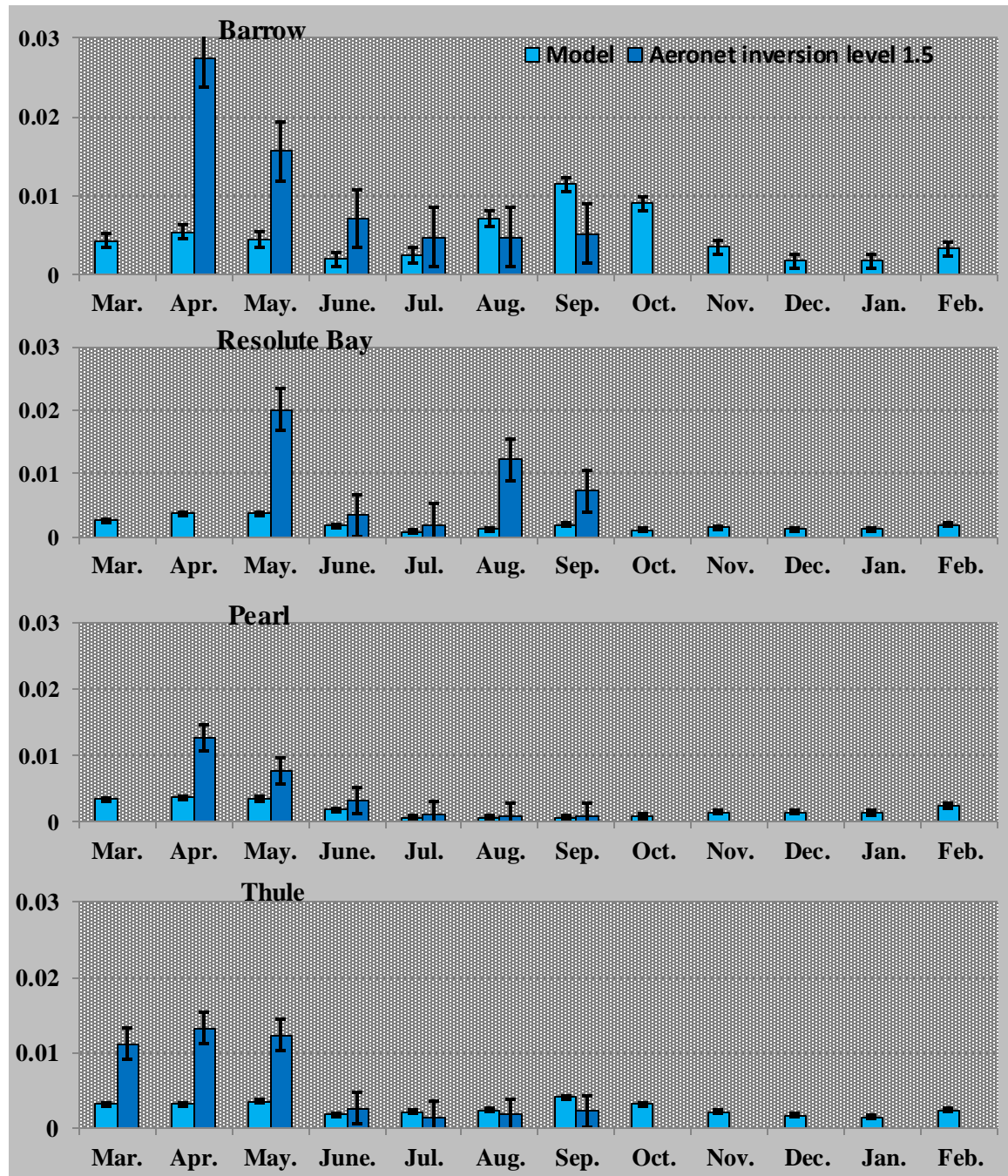
Monthly number of measurements for Arctic stations (2009-2012)



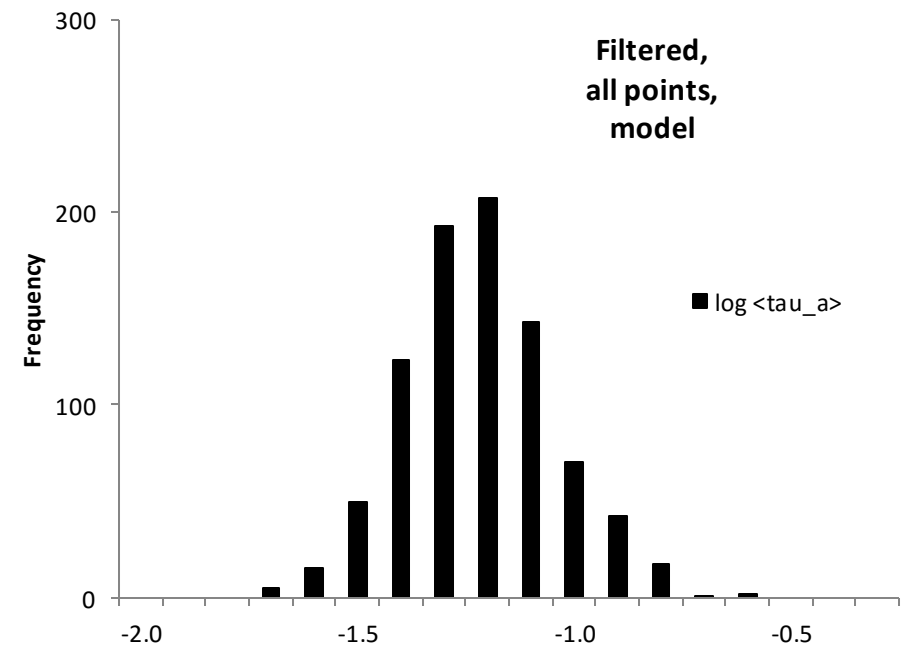
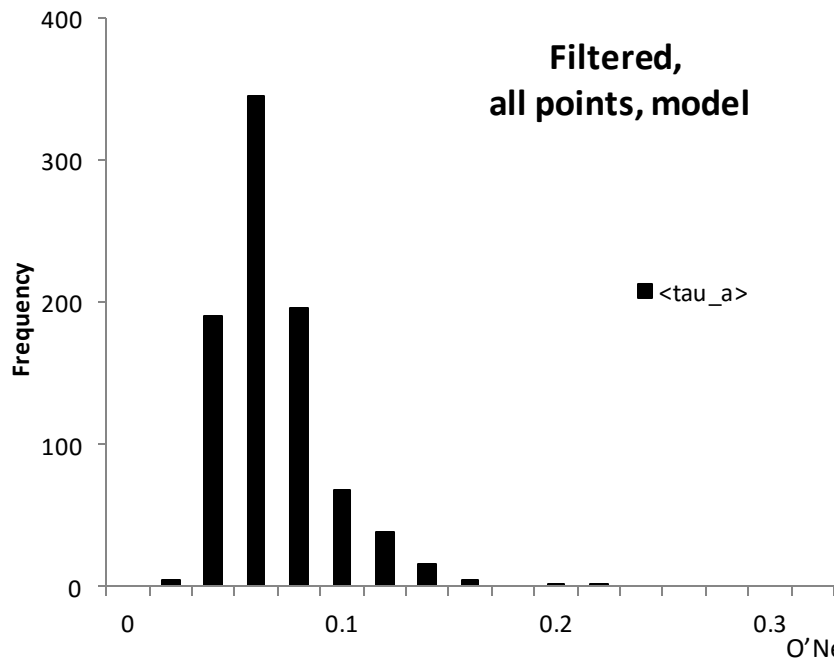
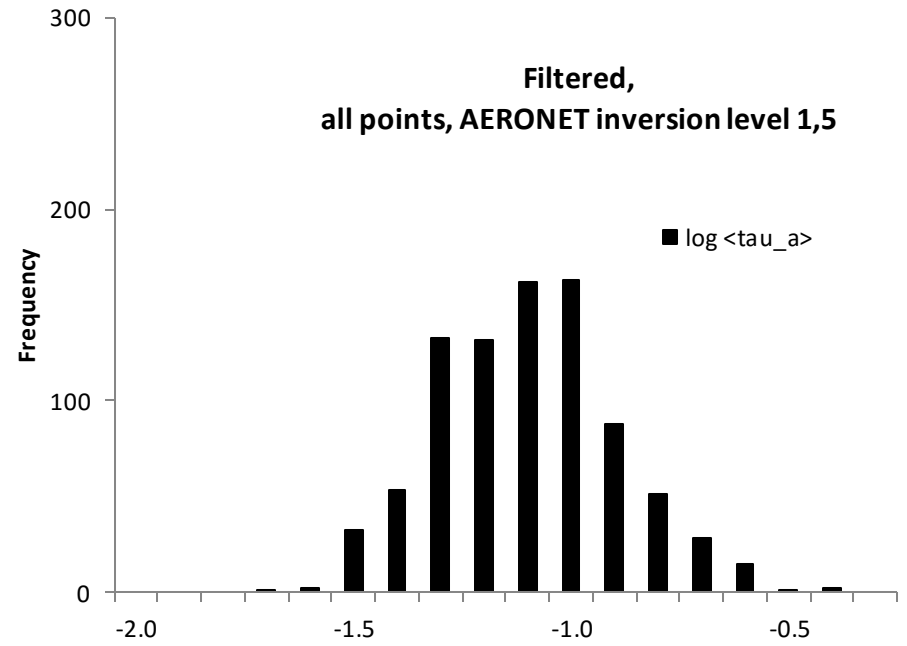
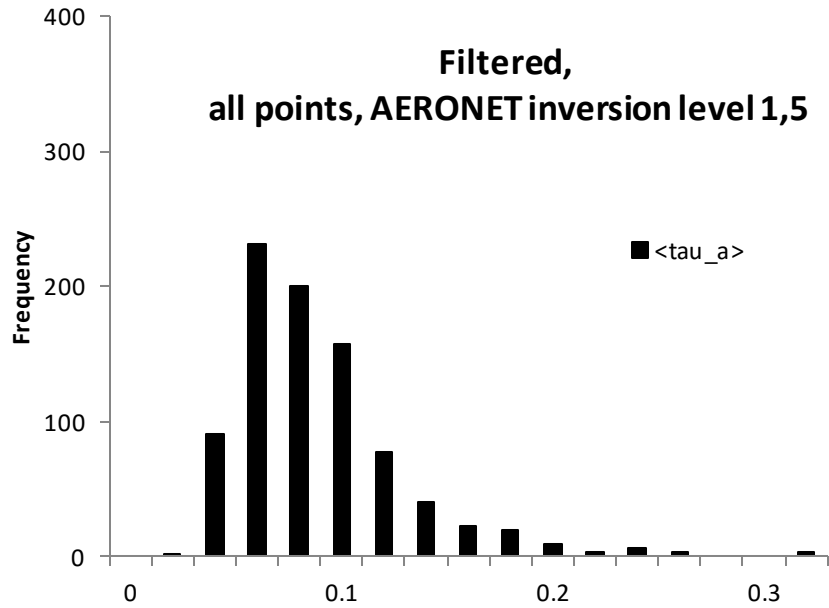
Fine, coarse and total AOD climatologies (level 1.5 & level 2.0 respectively)



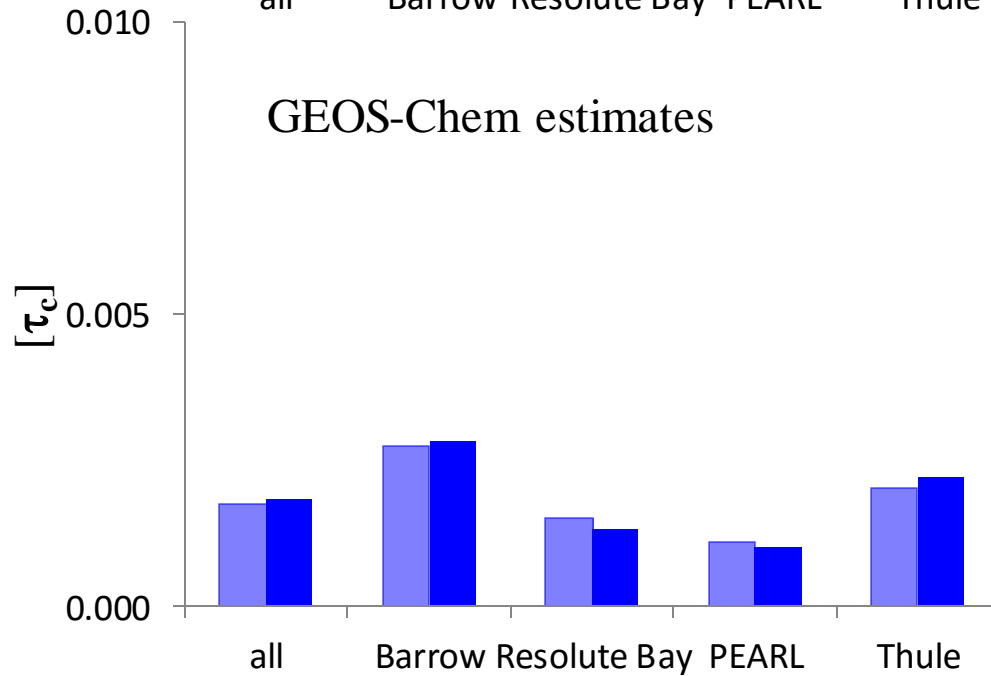
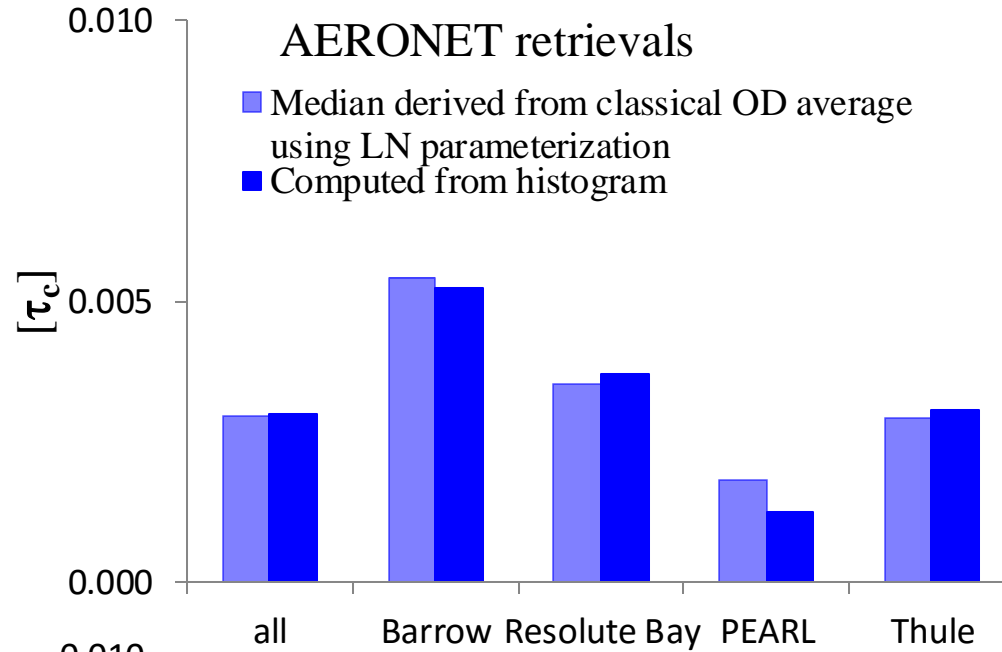
Station by station look at the seasonal coarse mode variation



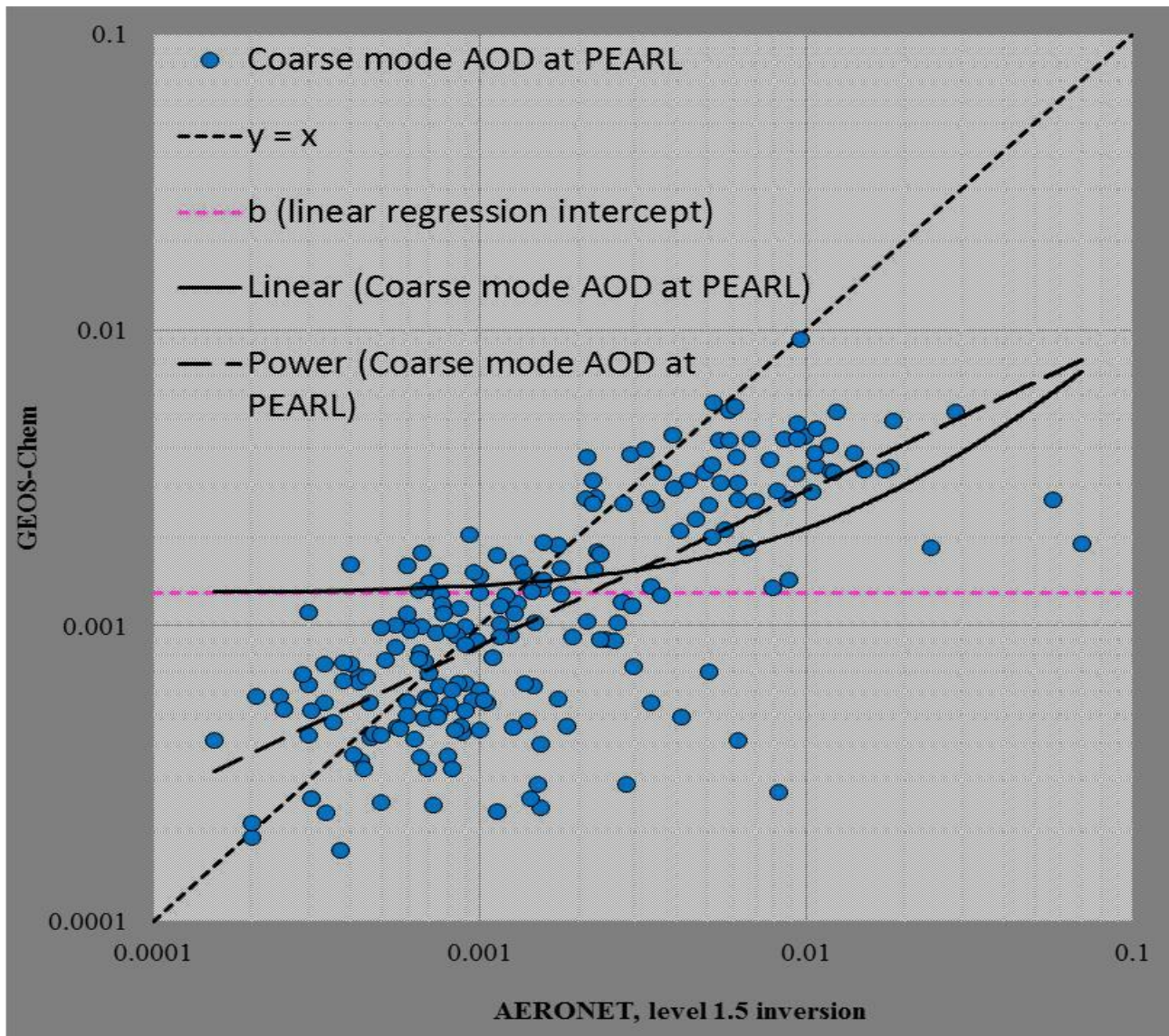
Impact of the way we report AOD statistics



Using the classical AOD (arithmetic) mean to get out relevant histogram characterizations



Log-Log versus lin-lin correlations



Log-Log versus lin-lin correlations

