Appendix 1 Dominant vegetation species, (a) *Carex* species, (b) *Eriophorum angustifolium*
Appendix 2 Atmospheric pressure (top) and NEE of November 2013 by vegetation group presented in parallel. Time period with decreasing air pressure was shaded in gray. NEE fluxes were pooled by vegetation group (color) and mean values and standard deviation were plotted.
Appendix 3 Total aboveground dry biomass of standing dead and living plants, measured in 2003 (N=20) and 2013 (N=4). Weight of dry biomass was summed up regardless of species. Dead: standing dead material largely from *Carex* species and *Eriophorum angustifolium*, stem: stems mainly from shrub species, leaf: green leaves of all species. Mean and standard deviation of replicates are described with bars and error bars.