**Supplementary Materials**



**Fig. S1**: Error between observed precipitation and reanalysis product values for each cropping season (April-September) 1990-2000 at Ultuna. Left: error based on daily data and right: error based on monthly data, with agreement given as concordance correlation coefficient (Conc.Corr.Coeff).



**Fig. S2**: Error between observed maximum temperature and reanalysis product values for each cropping season (April-September) 1990-2000 at Ultuna. Left: error based on daily data and right: error based on monthly data, with agreement given as concordance correlation coefficient (Conc.Corr.Coeff).



**Fig. S3**. Error between observed minimum temperature and reanalysis product values for each cropping season (April-September) 1990-2000 at Ultuna. Left: error based on daily data and right: error based on monthly data, with agreement given as concordance correlation coefficient (Conc.Corr.Coeff).