proc import out=work.mean\_flowers\_dia

datafile="C:\Users\hauge\Documents\Daten\Martin\_Andrzejak\Phenology\dia\_row.xlsx"

DBMS = XLSX;

SHEET = plotxmonth;

run;

data mean\_flowers\_dia;

set mean\_flowers\_dia;

log\_flowers = log(mean\_flowers+0.1);

run;

proc import out=work.mean\_flowers\_sca

datafile="C:\Users\hauge\Documents\Daten\Martin\_Andrzejak\Phenology\sca\_row.xlsx"

DBMS = XLSX;

SHEET = plotxmonth;

run;

data mean\_flowers\_sca;

set mean\_flowers\_sca;

log\_flowers = log(mean\_flowers+0.1);

run;

\* better fit without ar(1);

proc mixed data=mean\_flowers\_dia covtest;

class climate plot month;

model log\_flowers = climate month climate\*month;

repeated month / subject=plot;

lsmeans climate climate\*month /cl;

run;

\* better fit with ar(1);

proc mixed data=mean\_flowers\_sca covtest;

class climate plot month;

model log\_flowers = climate month climate\*month;

repeated month / subject=plot type=ar(1);

lsmeans climate climate\*month /cl;

run;