**The following files contain root length and root length density plot mean data for each date and depth category:**

‘2009\_rhizo\_subplot\_means.csv’

‘2010\_rhizo\_subplot\_means.csv’

‘2011\_rhizo\_subplot\_means.csv’

**The .csv files contain the following columns:**

A: block (experimental replicate)

B: ring (treatment plot)

C: DOY (Julian date or day of year)

D: CO2 (CO2 treatment)

E: H2O (precipitation treatment; con=control precipitation, dry=reduced precipitation)

F: category (soil depth category):

Category 1=5-15 cm soil depth

Category 2=15-25 cm soil depth

Category 3=25-35 cm soil depth

Category 4=35-45 cm soil depth

Category 5=45-55 cm soil depth

Category 6=55-65 cm soil depth

Category 7=65-75 cm soil depth

Category 8=75-85 cm soil depth

Category 9=85-90 cm soil depth

G: cm\_cm3 (root length density; RLD cm root cm-3 soil)

H: totlength (total root length within the given soil depth category)

**The following SAS files use repeated measures, mixed model ANOVAs to analyze RLD data. In these ANOVAs, CO2, precipitation treatment, DOY, and their interactions are treated as fixed effects, while block and the block \*CO2 interaction are treated as random effects.**

‘2009\_Rhizotron\_ANOVA.sas’

‘2010\_Rhizotron\_ANOVA.sas’

‘2011\_Rhizotron\_ANOVA.sas’