The following files contain water potential data for 2009-2011 in the CO2\*precipitation experiment:

‘dri2009WPringmeans.csv’

‘dri2010WPringmeans.csv’

‘dri2011WPringmeans.csv’

These files contain the columns

A: DOY (Julian date or day of year)

B: Block (experimental replicate)

C: Ring (treatment plot)

D: CO2 (CO2 treatment; ambient or elevated )

E: subplot (precipitation treatment; control=control precipitation; dry=reduced precipitation)

F: WPcorrect (water potential, calculated from raw voltometer values and a sucrose standard curve)

G: OPcorrect (osmotic potential, calculated from raw voltometer values and a sucrose standard curve)

H: Turgorcorrect (turgor pressure, calculated as water potential minus osmotic potential)

The following files use the mixed procedure in sas to run mixed-model ANOVAs on water potential, osmotic potential, and turgor pressure. In each model, DOY, CO2 treatment, precipitation treatment, and their interactions are considered fixed effects, while block and the block\*CO2 interaction are considered random effects. ANOVA results are presented in table S12.

‘2009\_WP\_ANOVA.sas’

‘2010\_WP\_ANOVA.sas’

‘2011\_WP\_ANOVA.sas’