Harvard Forest Data Archive HF092-01

Data File:

Name = hf092-01-hydraulic.csv
Description = hydraulic data
Rows = 25  Columns = 27
MD5 checksum = 2511c91d10aeb1164725f84751f205cf

Variables:

date = date sample was analyzed
p2norm.resis = resistance of water flow from petiole 1 to petiole 2
  normalized by leaf area of leaf #2. (MPa/kg/sec)*Area (m2) (number)
p2rllld = resistance of water flow from petiole 1 to petiole 2
  normalized by leaf #2 area and distance between the two petioles
  (MPa/kg/sec)*Area (m2)/distance (m) (number)
p2norm.conduct = conductance of water flow from petiole 1 to petiole
  2 normalized by leaf area of leaf#2 (mmol/s/MPa/m2) (number)
p2kllld = conductance of water flow from petiole 1 to petiole 2
  normalized by leaf #2 area and distance between the two petioles
  (mmol/s/MPa/m) (number)
p3norm.resis = resistance of water flow from petiole 1 to petiole 3
  normalized by leaf area of leaf #3 (MPa/kg/sec)*Area (m2) (number)
p3rllld = resistance of water flow from petiole 1 to petiole 3
  normalized by leaf #3 area and distance between the two petioles
  (MPa/kg/sec)*Area (m2)/distance (m) (number)
p3norm.conduct = conductance of water flow from petiole 1 to petiole
  3 normalized by leaf area of leaf#3 (mmol/s/MPa/m2) (number)
p3kllld = conductance of water flow from petiole 1 to petiole 3
  normalized by leaf #3 area and distance between the two petioles
  (mmol/s/MPa/m) (number)
p4norm.resis = resistance of water flow from petiole 1 to petiole 4
  normalized by leaf area of leaf #4 (MPa/kg/sec)*Area (m2) (number)
p4rllld = resistance of water flow from petiole 1 to petiole 4
  normalized by leaf #4 area and distance between the two petioles
  (MPa/kg/sec)*Area (m2)/distance (m) (number)
p4norm.conduct = conductance of water flow from petiole 1 to petiole
  4 normalized by leaf area of leaf#4 (mmol/s/MPa/m2) (number)
p4kllld = conductance of water flow from petiole 1 to petiole 4
  normalized by leaf #4 area and distance between the two petioles
  (mmol/s/MPa/m) (number)
p5norm.resis = resistance of water flow from petiole 1 to petiole 5
  normalized by leaf area of leaf #5 (MPa/kg/sec)*Area (m2) (number)
p5rllld = resistance of water flow from petiole 1 to petiole 5
  normalized by leaf #5 area and distance between the two petioles.
  (MPa/kg/sec)*Area (m2)/distance (m) (number)
p5norm.conduct = conductance of water flow from petiole 1 to petiole
  5 normalized by leaf area of leaf#5 (mmol/s/MPa/m2) (number)
p5kllld = conductance of water flow from petiole 1 to petiole 5
  normalized by leaf #5 area and distance between the two petioles
  (mmol/s/MPa/m) (number)
p6norm.resis = resistance of water flow from petiole 1 to petiole 6 normalized by leaf area of leaf #6 (MPa/kg/sec)*Area (m2) (number)
p6.rlld = resistance of water flow from petiole 1 to petiole 6 normalized by leaf #6 area and distance between the two petioles (MPa/kg/sec)*Area (m2)/distance (m) (number)
p6norm.conduct = conductance of water flow from petiole 1 to petiole 6 normalized by leaf area of leaf #6 (mmol/s/MPa/m2) (number)
k6rlld = conductance of water flow from petiole 1 to petiole 6 normalized by leaf #6 area and distance between the two petioles (mmol/s/MPa/m) (number)
p2dye = percent of xylem traces entering petiole 2 with dye when Safranin dye is applied through petiole 1 (dimensionless)
p3dye = percent of xylem traces entering petiole 3 with dye when Safranin dye is applied through petiole 1 (dimensionless)
p4dye = percent of xylem traces entering petiole 4 with dye when Safranin dye is applied through petiole 1 (dimensionless)
p5dye = percent of xylem traces entering petiole 5 with dye when Safranin dye is applied through petiole 1 (dimensionless)
p6dye = percent of xylem traces entering petiole 6 with dye when Safranin dye is applied through petiole 1 (dimensionless)
<table>
<thead>
<tr>
<th>Variable</th>
<th>Min</th>
<th>Median</th>
<th>Mean</th>
<th>Max</th>
<th>NAs</th>
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</table>
HF092–01 Plot 3

row

p3klld

p4norm.resis

p4rlld

p4norm.conduct

p4klld
HF092–01 Plot 7

- **row**
- **p2dye**
- **p3dye**
- **p4dye**
- **p5dye**
- **p6dye**