Hypothesis: Plants experiencing severe drought exhibit enhanced carbon assimilation, metabolic activity, and water uptake during recovery.

Conclusions
Drought Stress: Reduced assimilate transport below ground together with reduced soil CO$_2$ concentration (indicating lower respiration rates).
Rewatering: Delayed uptake and transport of labeled event water, increase in soil respiration.
Recovery phase: Overcompensation of below ground assimilate transport and soil respiration rate, water uptake capacity re-established.