Equitions

Gravimetric RWC

$$RWC(\%) = [(W - DW)/(TW - DW)] * 100$$

```
RWC_gravimetric = (wet_weight - dry_weight) / (wet_weight[0] - d
```

Where,

W – Sample wet weight (Wet groups leaves) - a list

TW – Sample turgid weight (First wet group leaf, with the freshest leaf) - one value

DW – Sample dry weight (Dry leaf) - one value

THz RWC

$$RWC(\%) = 100 \times \frac{d_{w\_curr}}{d_{w\_sat}}$$

```
RWC_THz_all = 100 * dH20s/dH20s[0]
```

d_{w_curr} - Current water layer thickness

d_{w_sat} - Saturated water layer thickness (First group dH20 data)

$$d_{H20} = (\log(I_{ref}/I_{smp}) + 0.1 * log(10) * (dB_{ref} - dB_{smp}))/85$$

I_0

$$I_0 = 10^{(dB/10)} * I$$

Wet group ~ Sample group

Dry group ~ Reference group