

gravimetric results

The gravimetric tests of the Qsoils are not so hot.

soil.b gravimetric readings have all been within 1% of each other (no change in soil moisture), whereas the EC5 data show a 4% change (still not much change). With such a tight clustering, we can't fit a line, but the data suggest an offset of $\sim -7\%$.

soil.a gravimetric readings are quite variable (38 - 51%), but the range in EC5 values are half as much. The middle data point doesn't agree at all, though a line with slope=1 and offset of -8% fits the remaining (2) samples.

Thus, the indication is that both EC5s are reading about 8% low. Clearly, we need a few more samples, preferably in a wider range of soil moisture conditions.

P.S. With the 4th sample taken on 3 July, there is no change to the above statements. An offset of 8% seems to be the best we can do.