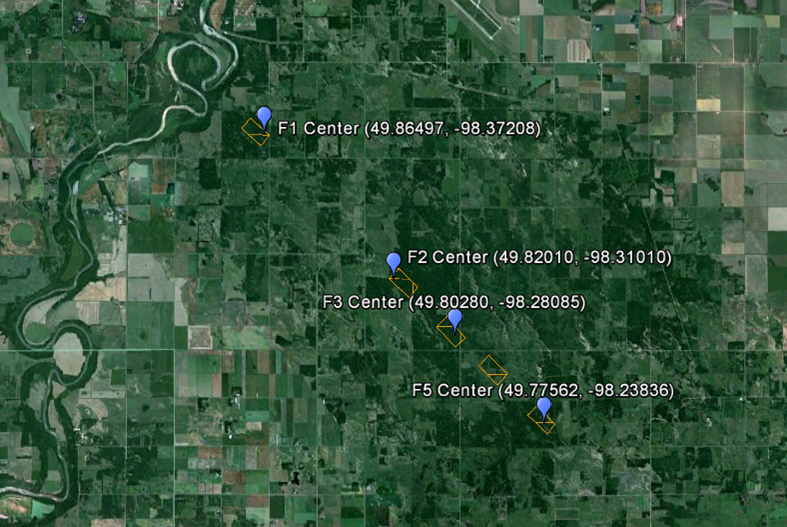
**SMAPVEX12 Forest soil moisture ground truth measurement header file**

**Column A:** Date of measurement (dd-mm-yy)

**Column B:** Forest site ID (F1, F2, F3, F5)



**Column C:** Sample location (Location ID) within forest sites



**Column D&E:** GPS coordinates of sample location (lat, long)

**Colum F – I:** Organic soil thickness (in inches) at four corners of a 10 inch quadrat



**Column J – L:** Three soil moisture measurements at 5 cm depth

**Column M:** Probe type used in soil moisture measurement (hydra or theta probe)

**Column N:** Surface temperature measurement (T0) in degrees Celsius

**Column O:** Temperature measurement at 5 cm (T5) in degrees Celsius

**Column P:** Temperature measurement at 10 cm (T10) in degrees Celsius

**Column Q – V**:

* **Column Q&R**: Real and imaginary part of dielectric constant for first soil moisture sample (Column J)
* **Column S&T**: Real and imaginary part of dielectric constant for second soil moisture sample (Column K)
* **Column U&V**: Real and imaginary part of dielectric constant for third soil moisture sample (Column L)