Soil (Pedosphere) Investigation
Soil Moisture Data Sheet - SMAP Block Pattern

Study Site: ______________________________
Observer names: _________________________________________________
Date samples collected: Date (Year-Month-Day): _______________________
Local Time: ____:____ (Hours:Min)   UT: ____:____ (Hours:Min)

Soil State: (check one) *
- Measureable  
- Frozen ground  
- Snow on ground  
- Graupel on ground  
- Hail on Ground  
- Frozen water on ground

Note: If Measureable is selected, continue below; all other selections stop here.

Drying:
Drying Method (oven and temperature range) ___________  Drying time (hrs:min): ________

Weight Measurements:

<table>
<thead>
<tr>
<th>Container with sample before drying (a)</th>
<th>Container with sample after drying (b)</th>
<th>Water Weight (c) a - b = xx g (Calculated value by database)</th>
<th>Empty Container Weight (d) b - d = xx g (Calculated value by database)</th>
</tr>
</thead>
</table>

Sample g  g  g
Gravimetric Soil Moisture (f) c / e = xx g/g (Calculated value by database)

Container Volume Measurements:

Container volume measurements are required at least once out of every 10 weight measurements, but can be repeated more frequently if desired. Below is your most recently measured Average Sample Volume:

Measure the Initial and Final volume of your measuring cylinder 3 times; container volume and average container volume will be calculated during data entry.

<table>
<thead>
<tr>
<th>Initial Volume (V_i)</th>
<th>Final Volume (V_f)</th>
<th>Container Volume (V_i - V_f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample 1 mL mL mL</td>
<td>Sample 2 mL mL mL</td>
<td>Sample 3 mL mL mL</td>
</tr>
</tbody>
</table>

Average Container Volume will be calculated during data entry.

Additional observations: ____________________________________________

________________________________________

________________________________________