

Soil Surface Roughness Measurements During SMAPVEX16-IA



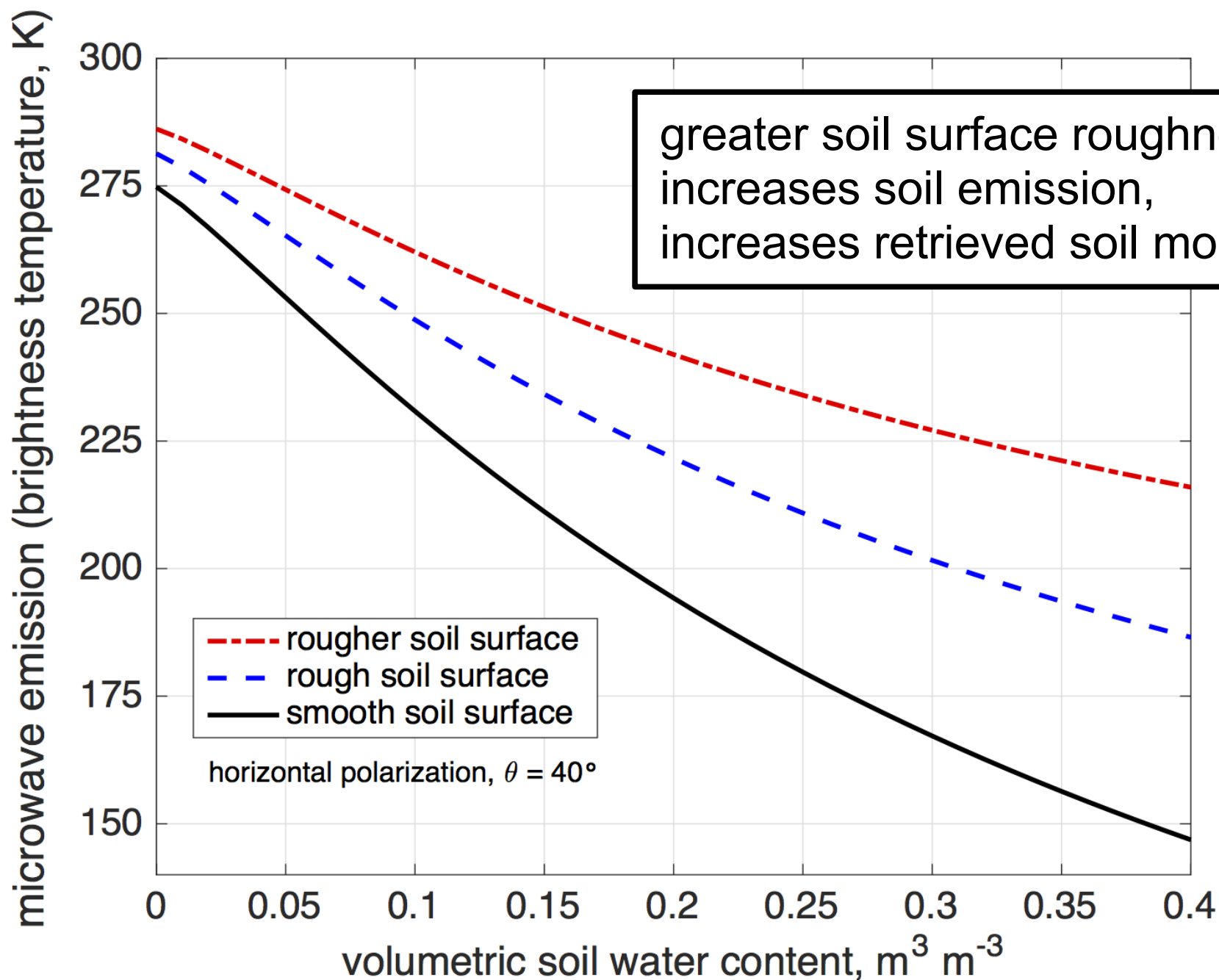
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Victoria Walker



Vivian Wallace
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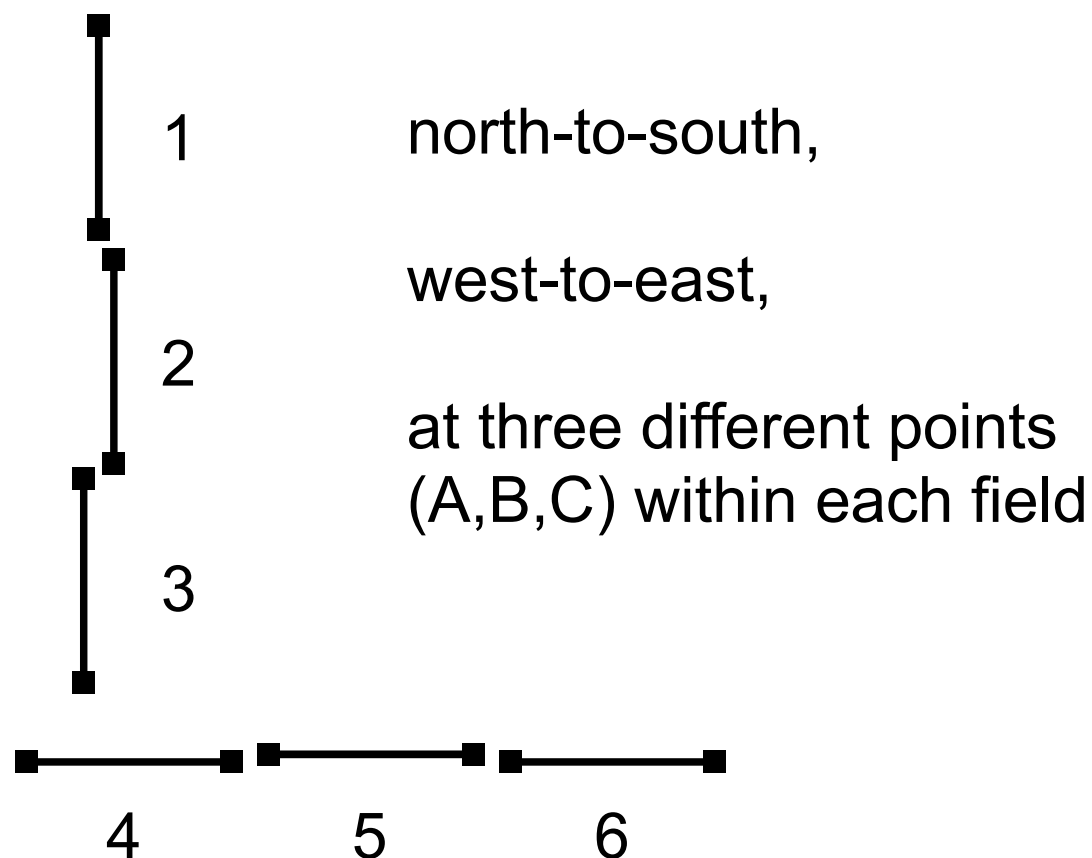
 **THE UNIVERSITY OF IOWA**



Soil surface roughness observations during IOP1 of SMAPVEX16-IA...



Soil surface roughness observations during IOP1 of SMAPVEX16-IA...



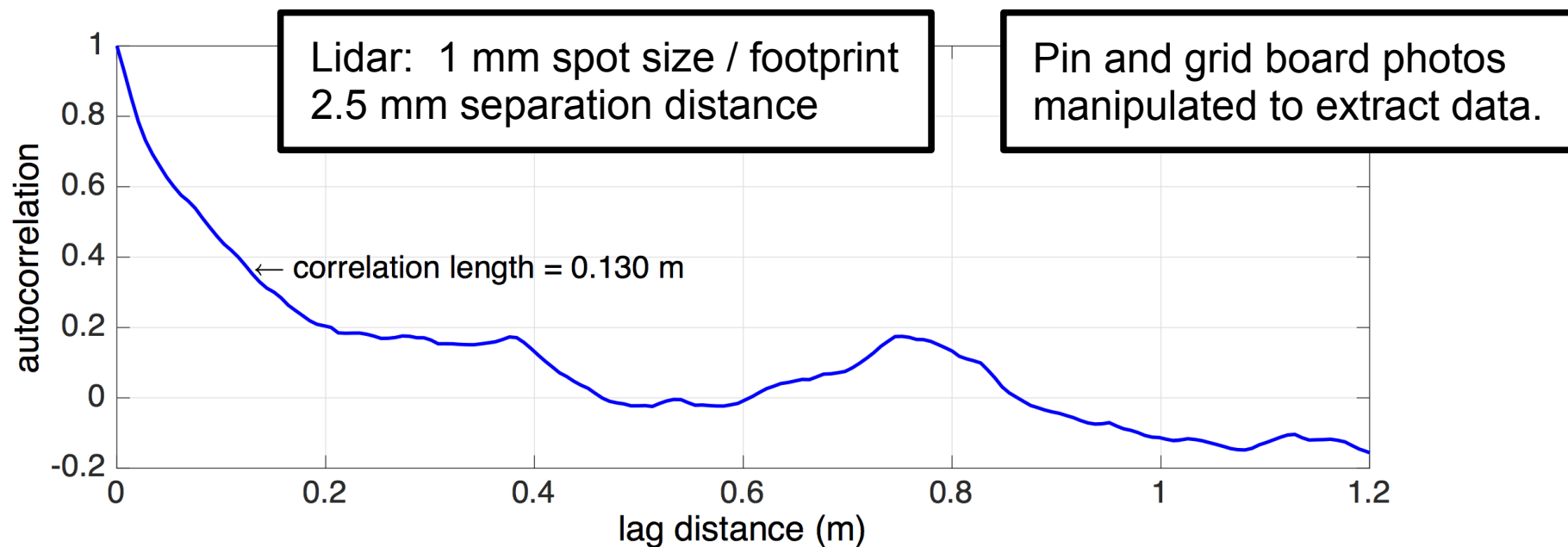
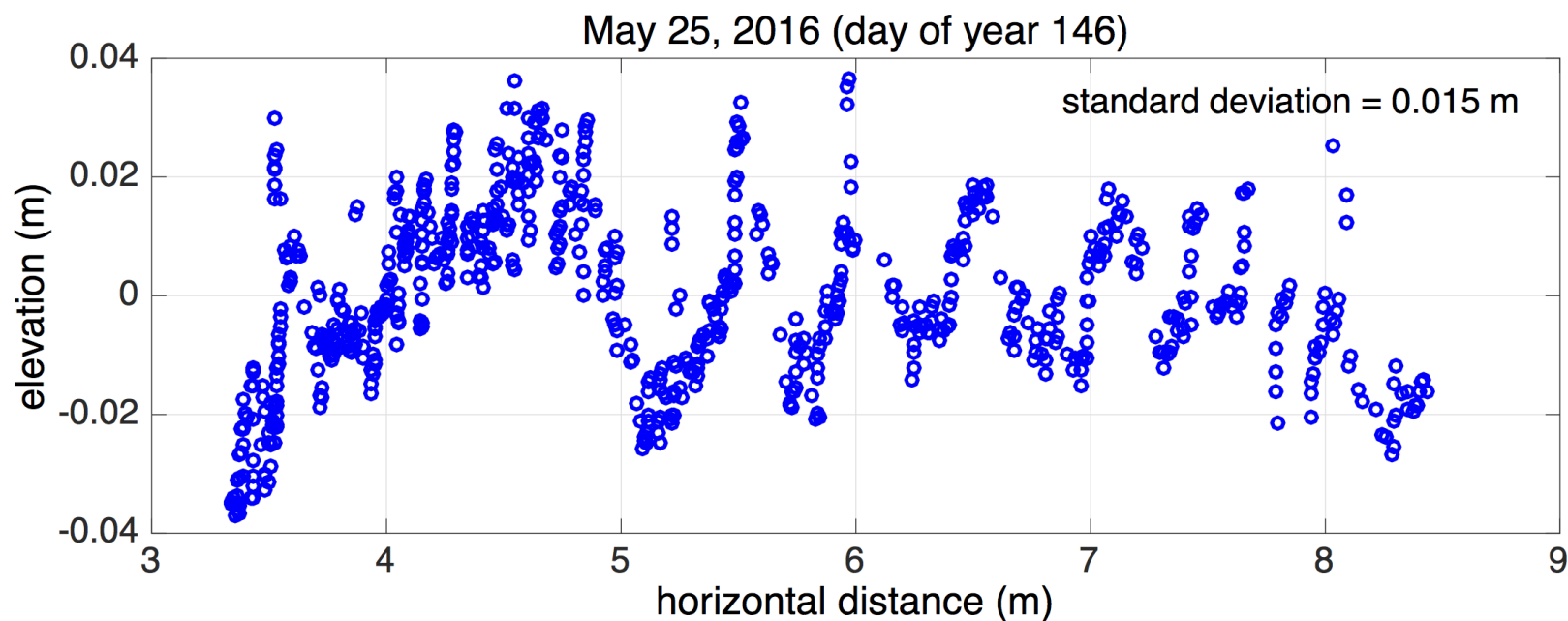
Soil Surface Roughness in IOP2... limited measurements due to crops.



with pin board.

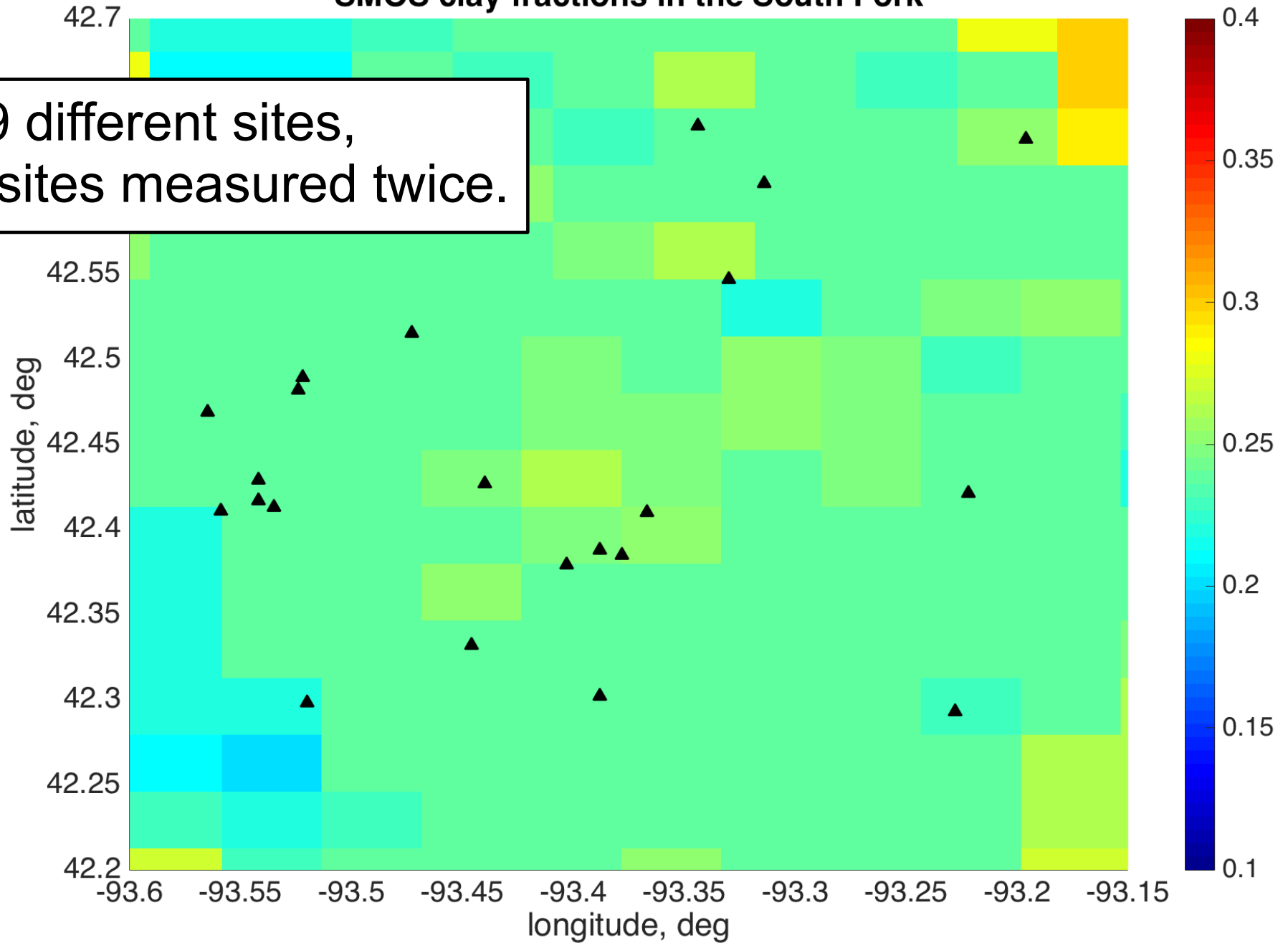


with grid board.

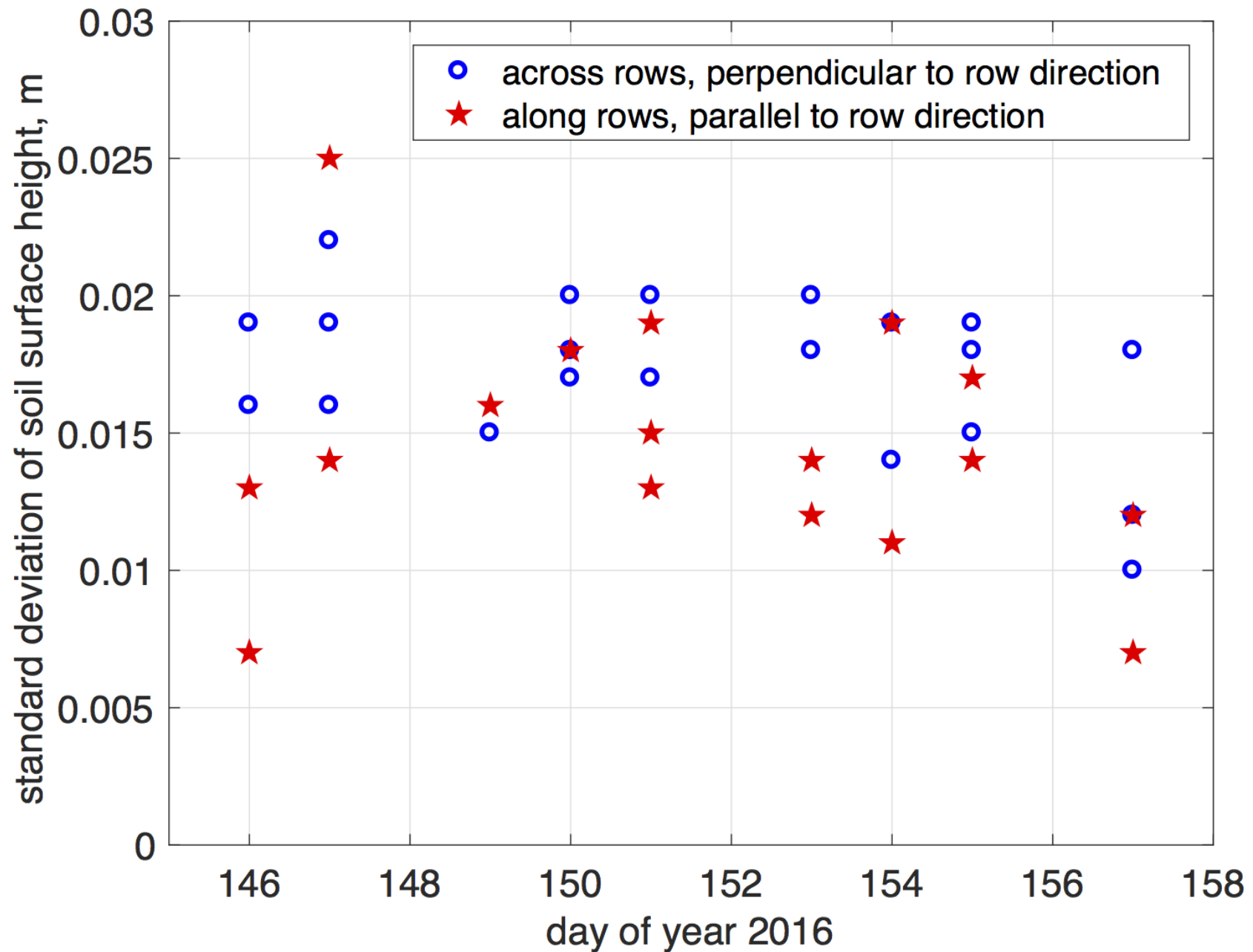


SMOS clay fractions in the South Fork

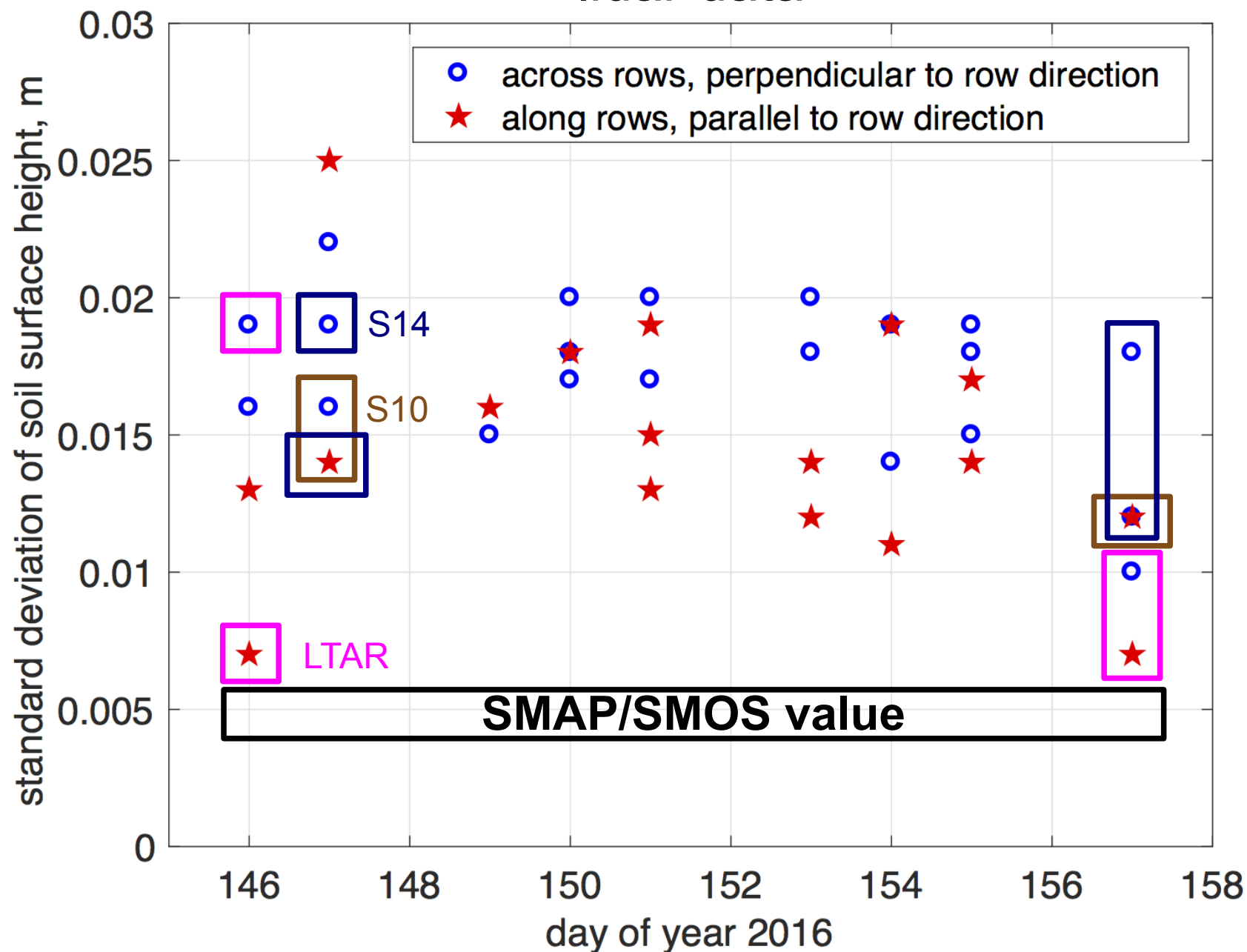
19 different sites,
3 sites measured twice.



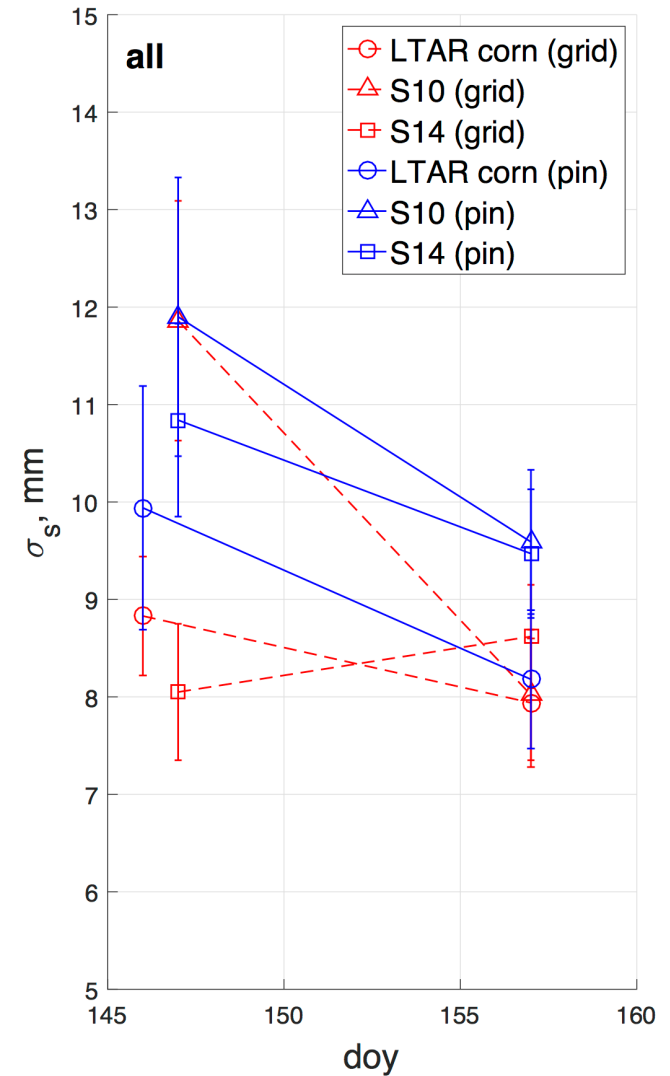
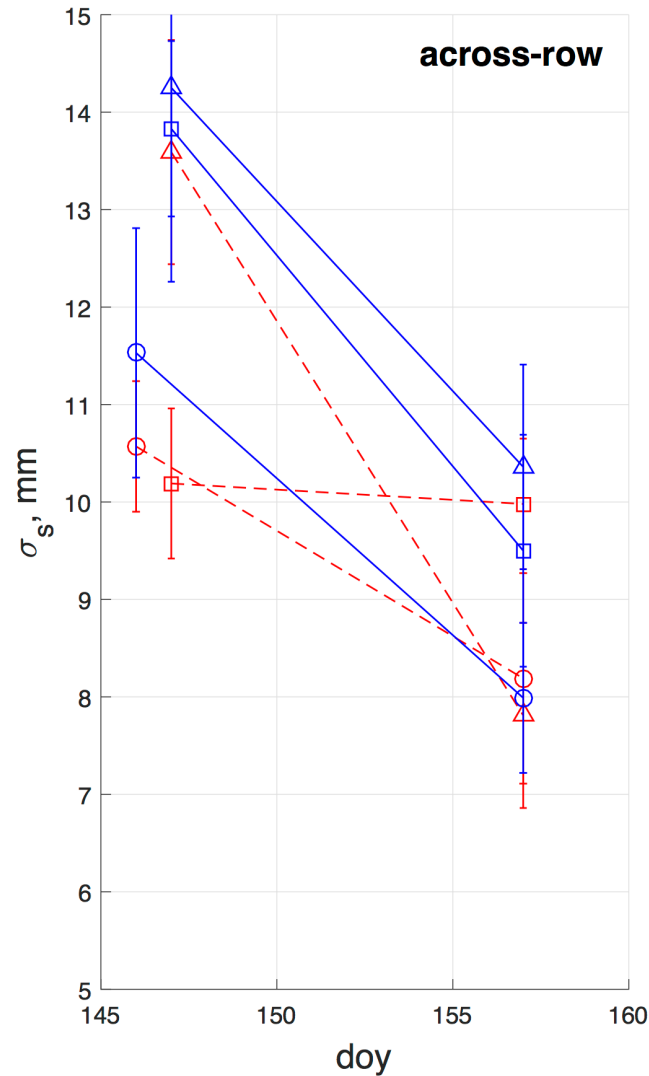
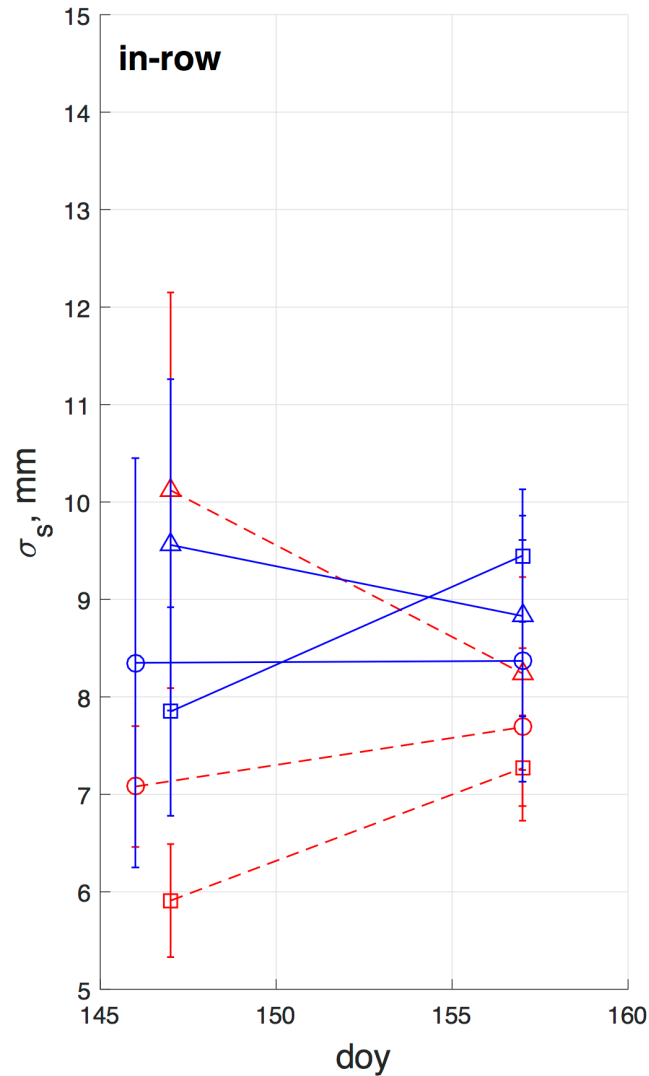
lidar data

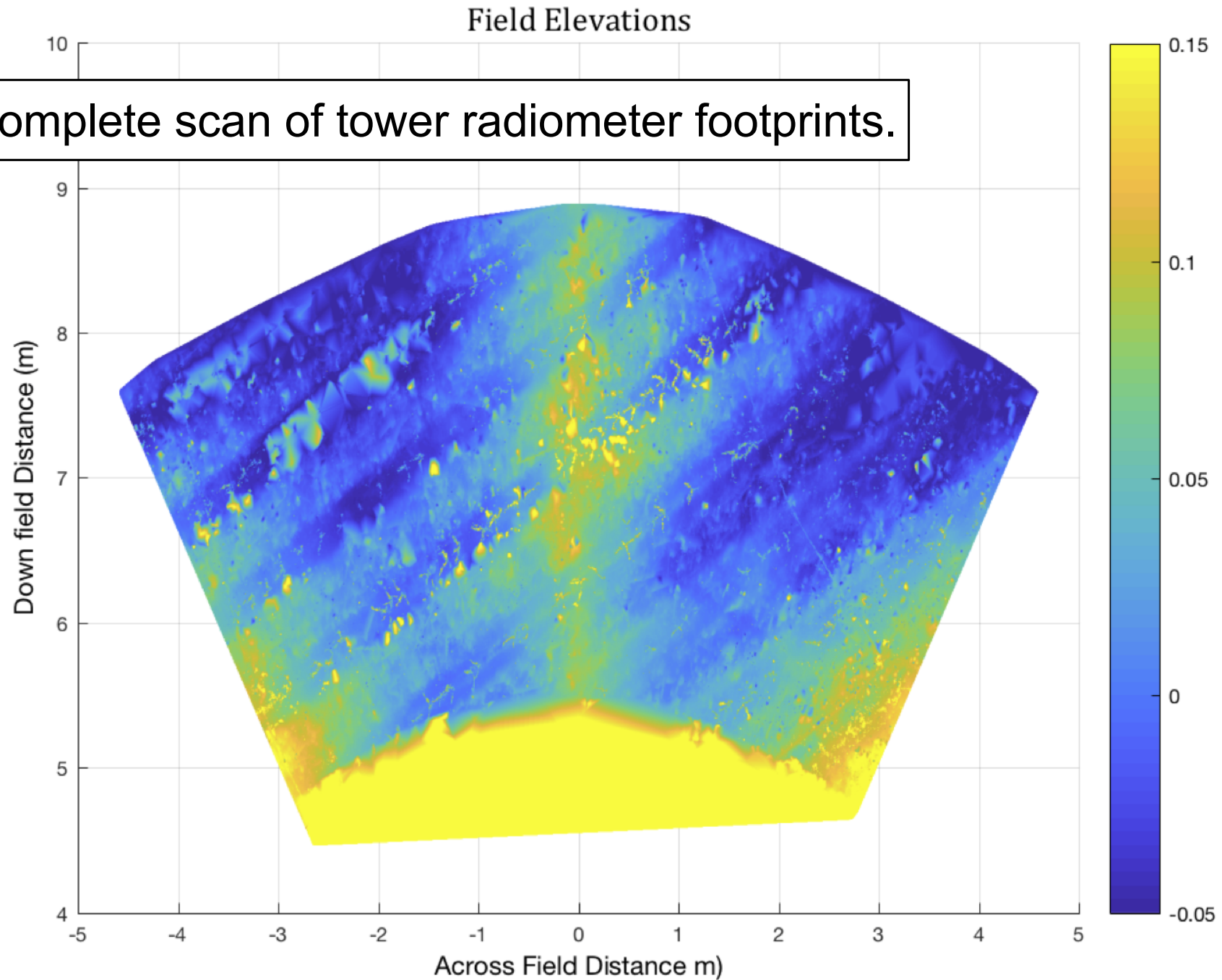


lidar data



Pin and grid boards show approximately the same information.





Summary...

Soil surface roughness was measured during SMAPVEX16-IA.

Data available at

roughness: <https://iastate.box.com/v/SMAPVEX16IA-roughness-report>

Report describing the data available soon at same location.

After some more checks, will deposit data at SMAPVEX16 site.