Science Team Week 5 Meeting Notes – In attendance – Ryan, Nick, Josh, Colin, Tom, Martin

1. Week in Review – we assembled the upper collar, the lower collar failed to print
2. Ryan – email E team the electrical requirements document
3. Decision – how to proceed with failed collar
   1. We can either mill it, use pvc, small 3d prints, or a hybrid
   2. Decision – use the 2.125 inch aluminum 60601 stock that we already have, do the hole on a lathe, do the rectangular part with the mill – while getting training
   3. Redesign so it works with the mill
4. Ryan – fix roll call attendance, ask James for help, post meeting notes on cybox
5. Soil box
   1. Nick, finish parts by the 10th
   2. Water jet 1 cutout + folding at boyd
   3. MUST be done by the 17th
6. Actuator bolt – improperly sized, find a smaller one
   1. Buy 4 inch long machine bolt, thread size is 12-56
   2. Nick will go to lowes at buy one and donate it to m2i
7. Mass estimate – Ryan show others how to do it on solidworks Saturday
8. Spectrometer – Martin continue to work on library comparison, Ryan get hardware done
9. We need to collect our first sample by the end of the month – February 22nd.
   1. do it in the m2i lab a power supply
   2. for the sample dirt, we will have a cardboard box 15 cm full of compact dirt
   3. Ryan get Colin a shovel on Saturday
10. Ryan Order 10mm actuator
11. All sensors functional by the end of the month