Weekly report

1. **My *Goals* from last week**
   * Objective 1: Make the bar rotate easier. Salt and lead balls haven’t worked so far
2. **My *Accomplishments* this week**
   1. Objective 1: Increased the spacing between the plates so the rotating bar doesn’t hit the frame as much, in order to decrease friction. Tested with salt and lead balls. No success

Used ball bearings to facilitate rotation of the bar. Tested with salt and lead balls. No success.

1. **My *Goals* for next week**
   * Tilting frame

* At this point there are two issues that I have identified. One is that the salt is too light and the lead balls are two slick (they are hard to stack up because they just roll on each other). The other is that it is hard to stack up particles because they fall on the bar with a high velocity, so they tend to bounce away.
* Next I’ll try a configuration that will allow me to stack up the particles (particularly the lead balls) carefully before letting the bar rotate freely.

1. **What I need Dr. Becker to do:**
   * Send me some nice pics from the Mars Rover event