Ms. Heberling Earth Name:		E	Block:		
Solar StormWatch Lab Report					
Objective: In your	own word	s, explain t	he purpose of this lab.		
1. SPOT Training:	Define the	e following	terms and sketch an example.		
What is a core	met?				
What is a particle strike?					
What is an optical effect?					
2. Watch the screen cast and view the flickr gallery. Sketch 2 or 3 examples.					
3. Complete 3 SPOTS. For each SPOT record the following data:					
Speed: 1)	2)	3)			
Would it hit Earth?:	1)	2)	3)		
	_	_	with the images. Why are some solar think about properties of matter)		
4. What's That Training					

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- What is the objective of this module?
- Why are scientists interested in space dust?
- 5. Complete 3 What's That modules. Summarize your observations.
 - What did you find?

Ms. Heberling Earth Science	
Name:	Block:

- What are the challenges in spotting them? Where some features tougher to find?
- Were you unsure of any of your observations? If so, how did you decide?
- Are you surprised by how subjective these observations are? How does this fit into your idea of what scientists do?
- 6. **Incoming Real-Time Data:** These images are not yet processed for easier analysis—they are challenging!!
 - Briefly discuss your observations on what these images look like. Were you able to visualize the solar storms?
- 7. **Trace It Module:** complete the training and view the flickr gallery.
 - What are j-maps and how are they helpful?
 - Where does the trace-it data come from?
- 8. **Complete one Trace It Module**. Record your observations below. Include discussion of any challenges in analyzing the j-maps.
- 9. **Conclusion:** Read several entries on the Solar StormWatch blog. Write ~1 page discussing the goals of the project, results/benefits that have already been recorded, and <u>discuss how YOU personally contributed</u>. You may also include your thoughts on this project: What did you learn? Did you enjoy it? Do you plan to contribute further?

Extra Credit: Complete Track Training and submit observations for 2 Track It Back modules.

Don't forget to staple the My StormWatch progress report to your lab handout!! You will not receive full credit without it!!!