To: Andrew Greenberg

From: Sean Lai

Date: 2/9/20

Subject: Informational Interview regarding Oresat and Landsat 8

Dear Andrew,

I am writing you to request an informational interview about your experience with Oresat and PSAS for use in a technical report I am co-writing about NASA’s Landsat 8. The report is for PSU’s technical writing course and I have tasked myself with covering the design and launch considerations of the Landsat 8 while others focus on the research that it has contributed to.

The questions I would like to ask you are as follows:

1. What are the design constraints one must consider when designing for space, especially for a vehicle expected to be in service for many years?
2. Satellite imagery is relatively common these days, but that was not always the case. What are the benefits of satellite imagery to the scientific community and how can Landsat or other satellites help us advance scientific research?
3. What did you use as references in designing Oresat? Are the designs of other satellites available to the public?
4. Like Landsat, Oresat has a variety of cameras. What are some of the hurdles you have run into regarding how to implement those imaging systems?
5. What do you expect the future of satellite imagery to hold? Will there be swarms of tiny satellites and/or larger projects with ever more advanced imaging systems?

I expect I should only need around ten minutes of your time to conduct the interview. Ideally, I would like to meet with you sometime before 2/24/20, but I am flexible if you would prefer it to be a little later.

As always, I appreciate you taking the time to help myself and others learn about space and engineering.

Best,

Sean