**COMPTECH 2015 Annual Report**

**COMPRES Facilities Comments**

**Andy Campbell**

The TAB has been reinvigorated, which was badly needed to make sure that this project was doing something useful to COMPRES. Sounds like the TDS method is coming along, and some other stuff too, like multigrain analysis.   
  
Not sure that the membrane cap is much help for the community at large, although it can be nice for users visiting PX2. Nice that they will make the design easily available to the community though.  
  
The website is given too much priority. Similar with the external heater and membrane cell; leave that to others. COMPTECH should focus on aspects of DAC technology that others cannot do -- namely, new synchrotron development.  
  
Diamond budget: The COMPTECH officer should not be breaking a pair of diamonds each year. Leave the very high P stuff, or laser heating damage, to other budgets.

**Bin Chen**

Nice to see the progress in the TDS method, which appears to be a new and novel technique that could be used by the broad geo-community.

As Jin is leaving for UNM, a plan should be discussed. I hope the project (e.g. TDS) can continue.

**Kanani Lee**

**Mark Rivers**

Minor point: Dongzhou Zhang is not a GSECARS beamline scientist, he is the PX^2 beamline scientist.

There are a number of projects that COMPTECH is doing in addition to TDS: multigrain analysis, universal membrane cap, standard DAC heaters. Each could use a longer report so we can determine progress and problems.

The portable viewing system for sector 34 is a very good addition, and is the type of thing that COMPTECH was designed for I think. It seems like it should be possible to implement this more rapidly than installation in September 2016.

Going to ESRF to learn about their implementation of TDS seems like a very good thing to do.

I have been told that Jin Zhang is taking a job at UNM. This will again disrupt the COMPTECH program, as when Bin Chen left for Hawaii. Will the new hire have an interest in the TDS program and continue it? How do we ensure that COMPTECH has continuity in its projects when the main person leaves? Last year our report predicted this:

“A concern was also raised that the nature of the COMPTECH officer position will lead to regular staff turnover, likely with interruptions in the project as seen this past year.”

The budget appears reasonable to me. However, if Jin is leaving and there is a personnel gap then those funds should be available for other COMPRES projects.

**Dan Shim**

• I had hard time to read report. It is not well organized. Also many parts are repeated. Do we have a general guideline for this type of report? For example, do we have recommended list of things to report?