

AASC Conference Call – Minutes
Friday October 4, 2013, 12:00p EDT

On call: Abers, Schwartz, McNutt, Laske, Forsyth, Arrowsmith, Freymueller, van Keken,
Toomey

Not on call: Schmandt, Houston, all NSF personnel due to Shutdown

1) Update on CIET deployments and recoveries, 2013 (Toomey)

Doug Toomey reported on 2013 recovery/deployment activities. Many problems from year 1 seem to have been solved, including TRM deployment/recovery. Many stations stopped after seven months. An acoustic communication issue exists with three instruments, which are probably recording data but cannot be interrogated. The redeployment followed the original plan for a Year 3 Grays Harbor focused array.

Data delivery for Year 2 data has improved considerably from Year 1, although issues remain. As of this phone call, data from WHOI and seismic data LDEO were at the DMC. The pressure gage data from LDEO and all data from SIO expected in the next couple of weeks. Some “redacted” data from year 1 remains problematic – data sections from some stations were edited out by the Navy, and are supposed to be replaced by continuous low-pass filtered data. There was much discussion about the extent of this problem, and the ways in which AASC could help improve data delivery, something that will remain a high priority for this committee.

A major issue remains in the assessment of data quality beyond just data recovery, especially at shallow-water sites. Issues included the recovery of longer-period signals as a function of water depth, and the noise levels at short periods appropriate for seismicity studies. The Year 2 data from the Mendocino triple junction will be useful for the latter, as seismicity rates should be significant. This is an activity that many people should be encouraged to contribute, beyond instrument providers.

CIET is being asked for a more in-depth proposal for Year 4, including assessment of data quality and capability. The original plan was to cover a segment boundary in Oregon, but an alternative was raised to redeploy off seismically active Mendocino. The Year 4 proposal will be written after the mid-October OBS workshop. Assessments of data quality will be also useful for people writing Feb. 15 MGG proposals, and for any proposed subsequent deployments.

2) NSF plans for post-2015 for the “facility”

Absent any NSF participants, we were unable to learn more about the structure for such decision making beyond the last conference call; see the 18 June 2013 AASC minutes.

Added query from an EarthScope Steering Committee meeting, 10/8: This workshop was thought of as a place to assess capabilities of the Amphibious Array, as well as formulate scientific priorities and scenarios for future deployments. In addition, can AASC promote a

discussion of the Community Experiment model of doing science, including the role of PI's vs. professional deployment groups? The Cascadia Initiative represents the first major attempt at such an experiment in ocean science, it would be productive to see what can be learned from this example in how to do science better.

3) Fall activities

- OBS workshop (Oct. 21-22) and preceding CIET open meeting (Sun. Oct 20)

This set of meetings will be held in Redondo Beach, CA. The CIET meeting is a half-day CIET group session, followed by an open session the afternoon of Sunday Oct 20. A big priority will be to figure out who is doing what with the data, what are people's experiences and what is being learned about the capabilities of this data. Some output of this meeting will go in to preparing the proposal for the Year 4 deployments.

- pre-AGU Aleutian planning meeting (Abers)

Sunday before AGU, GeoPRISMS is sponsoring a 6 hour Aleutians Logistics planning meeting. Most focus is on transport to/from islands and doing marine geology appropriate for a smaller vessel, but a possible AA deployment will be an important part of planning science in the region. There is a bit of a timing mismatch – GeoPRISMS will only take “new” proposals to work in the Aleutians for the 2014 solicitation, but the plans for the future of the AA will not be made until after a planning meeting. Thus, any decision of where to put the array will happen after GeoPRISMS “shuts” the Aleutians as a site. At this stage it is not known whether or not any of the AA will be deployed in Alaska/the Aleutians, making it hard to write proposals. It might require some aggressive push from the community to modify this timetable, so that more rational plans for seismic deployments could be made.

- AGU sessions (Schwartz)

Two AGU special sessions were proposed, one on Cascadia science, one focused on the Amphibious Array. They were merged as a Seismology session with Tectonophysics cross-list, with a total of 49 presentations, in 2 oral and 1 poster session. Allen, Hooft, Wallace and Gao are the chairs.

4) AASC reporting to EarthScope/GeoPRISMS (Abers, Arrowsmith, van Keken)

Following recent discussions, AASC this year is reporting at least annually to the EarthScope Steering Committee (ESSC) and the GeoPRISMS Steering and Oversight Committee (GSOC), to strengthen those connections, and AASC has joint members with both committees. The next EESC is Oct 8-9 in Boulder; reporting will include (a) description of /update on the array; (b) discuss future status of the array and possible complement to Alaska and other EarthScope priorities; and (c) plant seeds for longer-term planning issues, e.g. the “next big thing” post-EarthScope. GeoPRISMS dialog continues.