



Deep nano-earthquakes recorded at the synchrotron or how we truly met with Harry W. Green

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In 2010, Julien Gasc, Fabrice Brunet and Alex Schubnel had been working for some time already on an acoustic emission system for a multi-anvil press at the synchrotron. At the AGU of december 2009, Yanbin Wang offered to try out the system at the APS, in Argonne. After three years of Julien's PhD. spent recording noise during serpentine dehydration at the Hasylab in Hamburg, working at the APS together with Nadege Hilairet and Yanbin Wang came as a relief, and we lightheartedly decided to switch to the germanate olivine phase transitions.

Our first beam time, during which we had promising preliminary results, was in March 2010. At the Gordon conference that summer, we told Harry of our experiments, and invited him both to Paris and to join during our next beamtime. On nov. 9th 2011, we wrote to him: "Dear Harry, this is just to say that we finished setting up and everything seems to be working fine so far. We performed a calibration exp. on quartz beads yesterday evening. Tomorrow, Yanbin told me a visitor's pass will be waiting for you at the gate. We are located in build 423, sector 13 as you probably already know. Looking forward seeing you tomorrow, have a good flight"

And now picture that look on Harry's face the next day, at the moment the sample failed at 4GPa accompanied by fireworks of AEs and spinel peaks growing on the XRD. And then the jokes and stories he told us all evening. We all truly met Harry then. He kept visiting Paris every month of September until last year.

We miss him fondly.