This past year has been seen Tom teaching Oceanography in the Fall and a Coastal Processes Class in J-Term. Pat taught the senior seminar and co-taught Dynamic Earth with Dave. She did Geophysics in the spring along with the Ocean Floor. In May 2014, the R/V Folger was in the water and up to Missisquoi Bay again for our third field season. As with last year, we had three summer research assistants working on board, took lots of multibeam data, recovered and redeployed 10 ADCP (Acoustic Doppler Current Profilers) that will record water circulation for an entire year. This research is part of the VT EPSCoR Research on Adaptation to Climate Change- a 5 year grant that we are part of. Pat’s research in Missisquoi Bay is tying Sediment Trend Analysis to physical sediment properties and currents within the bay whereas Tom’s research is clearly defining the overall circulation pattern.

Tom and Pat also worked on a feasibility program for a possible transmission line to be placed in Lake Champlain. This involved reprocessing and interpreting over 800 seismic Chirp lines within the lake. Tom worked on obtaining additional seismic lines that were needed to do a quality assessment. Our results will go into a water quality model to look at the impacts of what emplacing a cable will do for sediment resuspension.

Pat spent a lot of time working with the Council on Undergraduate Research, giving guest lectures, co-chairing the Spring Student Symposium and being an outside reviewer for two tenure reviews.

Finally on the personal side we became grandparents in March (Mackenzie Rose Meek) and gave a paper in Brest France on our multibeam/Chirp systems and then took two weeks of vacation which included many great geologic and archeological sites!