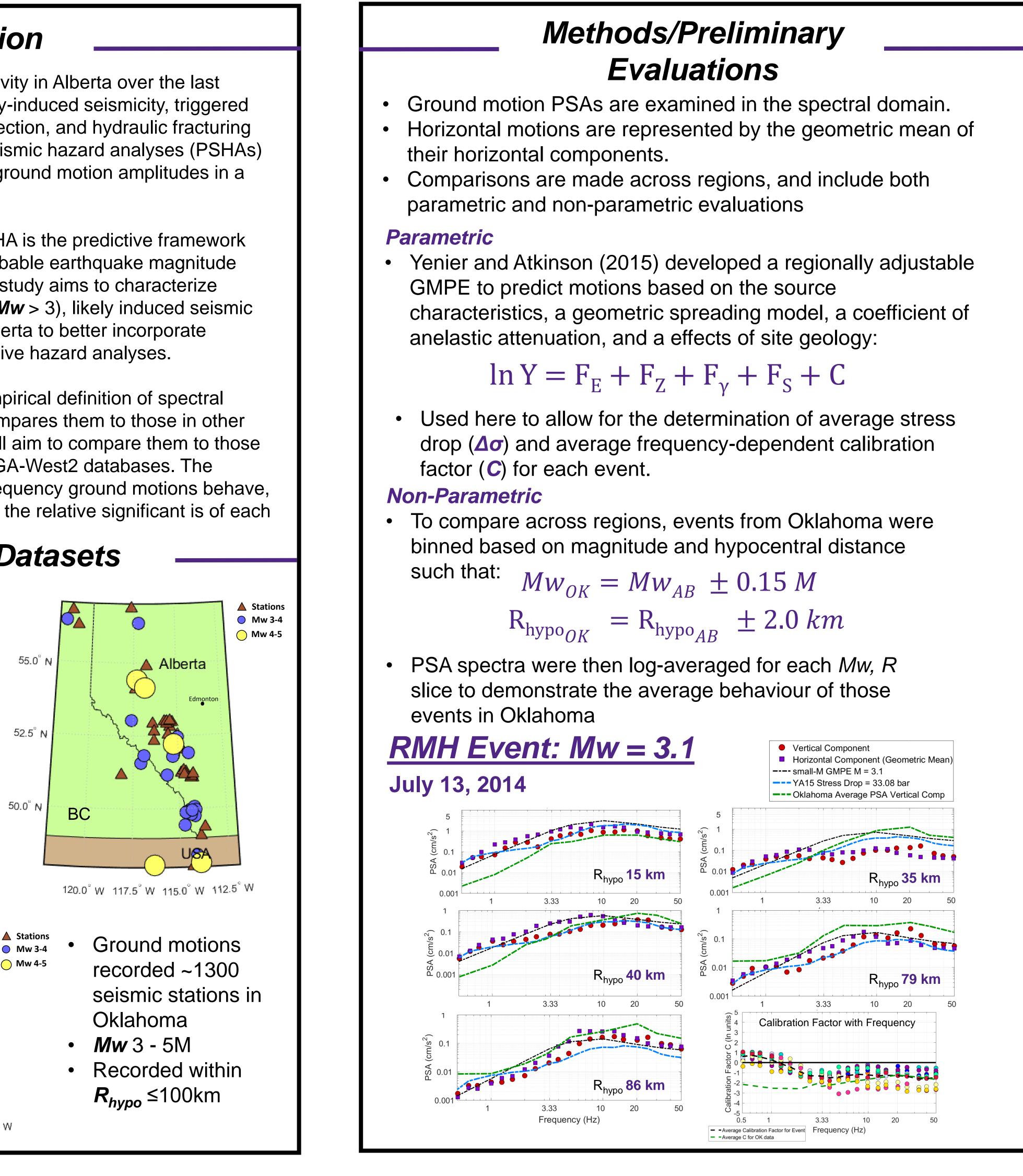
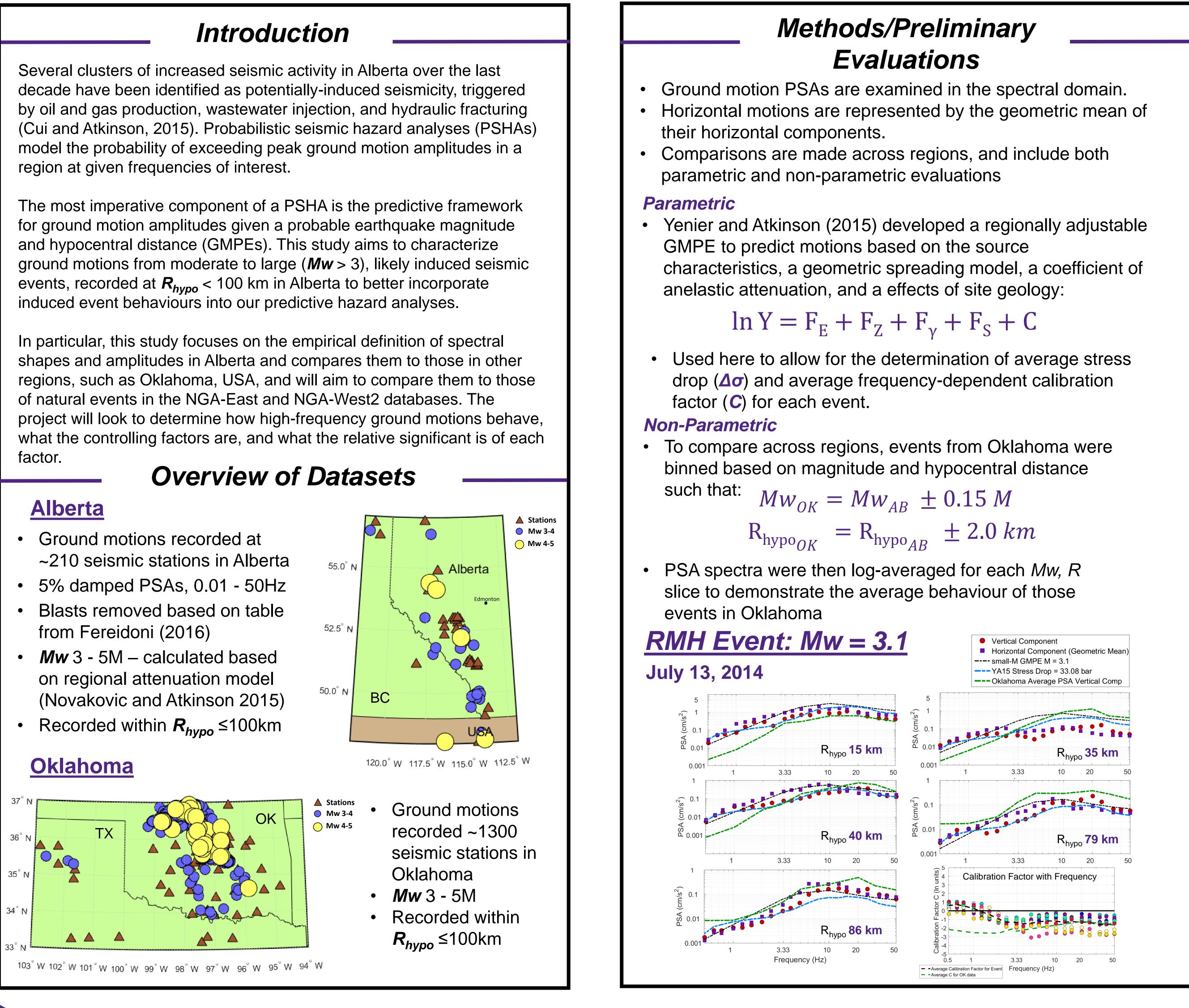
# **Overview of Ground Motion Characteristics from Potentially Induced** Seismic Events in Alberta, Canada

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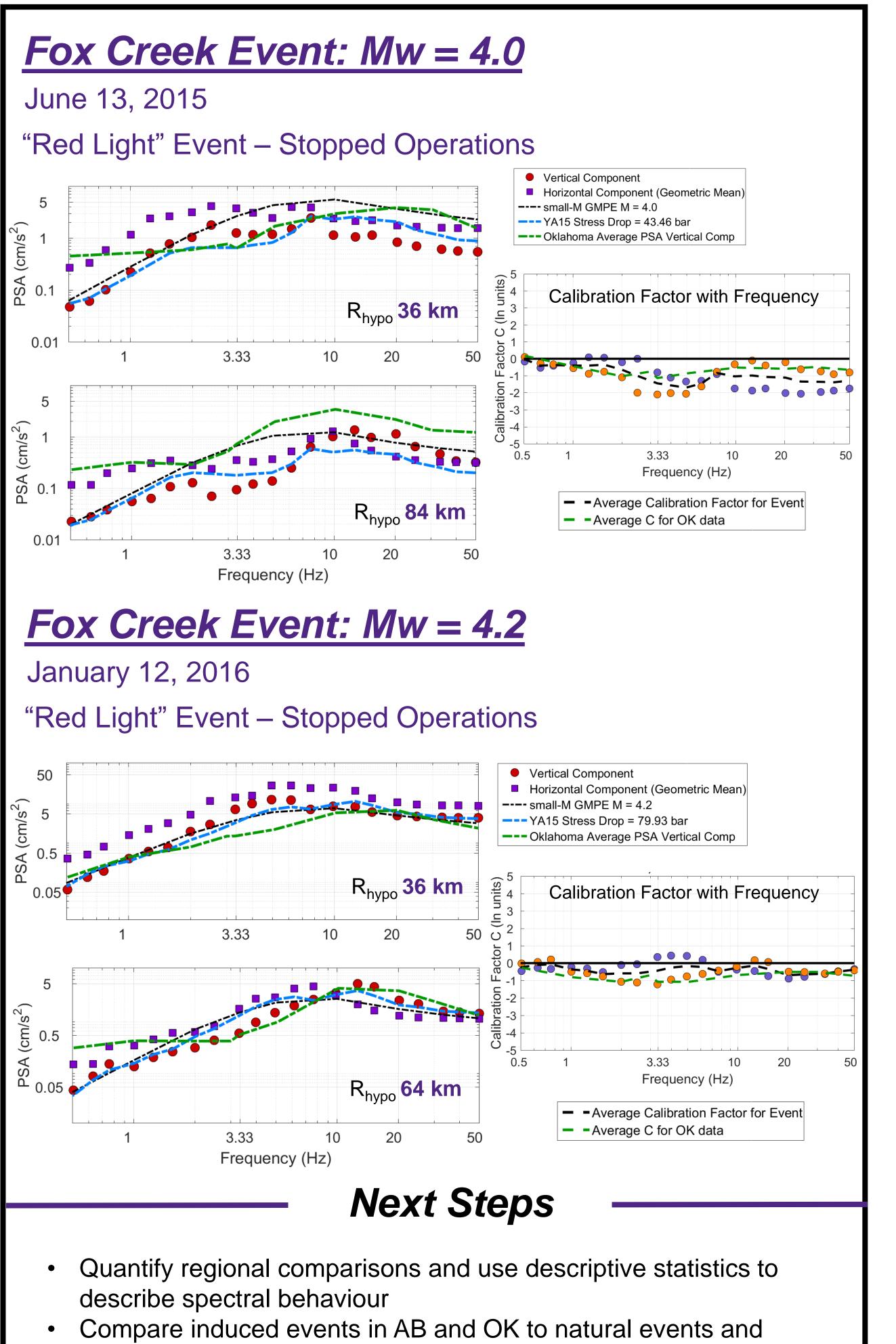
- Ground motions recorded at
- Blasts removed based on table from Fereidoni (2016)
- *Mw* 3 5M calculated based on regional attenuation model





References:

Atkinson, G., 2015. Ground-motion prediction equation for small-to-moderate events at short hypocentral distances, with application to induced seismicity hazards. Bull. Seism. Soc. Am., 105. Cui, L., Atkinson, G. M., 2015. Spatiotemporal variations in the Completeness Magnitude of the Composite Alberta Seismicity Catalog (CASC). Fereidoni A., Atkinson G. M. 2015. Identifying quarry blast events in seismicity catalogs based on the ground motion parameters. Montreal: Canadian Geophysical Union Conference. Power Point. Novakovic, M., Atkinson, G., 2015. Preliminary evaluation of ground motions from earthquakes in Alberta. Seism. Res. L., 86. Yenier, E., Atkinson, G.M., 2015. A regionally-adjustable generic GMPE based on stochastic point-source simulations. Bull. Seism. Soc. Am., 105.



- attenuation behaviour, etc.)
- Eventually incorporate induced event characteristics into PSHAs for a more complete analysis of seismic hazard in Canada



identify factors for disparities between the two (i.e. stress drop,

