

The Silixa microseismic monitoring data represent results from the Utah FORGE site. Monitoring was carried out with Silixa's Carina[®] Sensing system on a fiber optic cable with Constellation[™] fiber permanently cemented into monitoring well 78-32. A distributed temperature sensing survey was simultaneously carried out on the same cable using a Silixa ULTIMA-STM DTS. Well 78-32 is a vertical hole that was drilled to 3274.78 feet depth which penetrates ~1200 feet into the granitoid basement rocks.

The Silixa survey was carried out from 04/14/2019 to 05/03/2019 during a series of stimulation experiments into nearby well 58-32. The Silixa dataset comprises 40 detected microseismic events between -1.5 to -0.5 M. Further information about the stimulation survey and detected microseismicity are documented in the Phase 2C topical report available from GDR.

This is a very large dataset and as such it is currently not directly available on GDR. However, it is available from the Utah FORGE team upon request at utahforge@utah.edu.