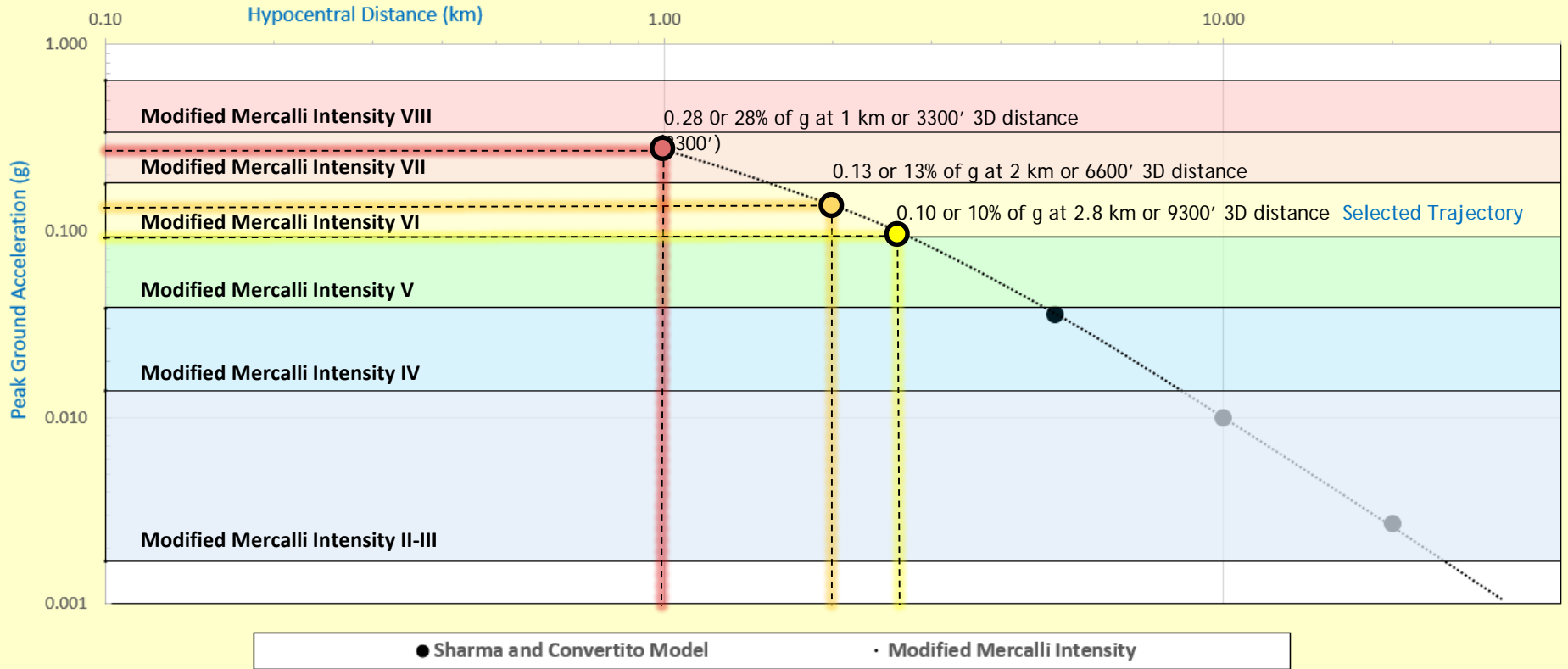


Seismic Monitoring Advisory Committee Meeting

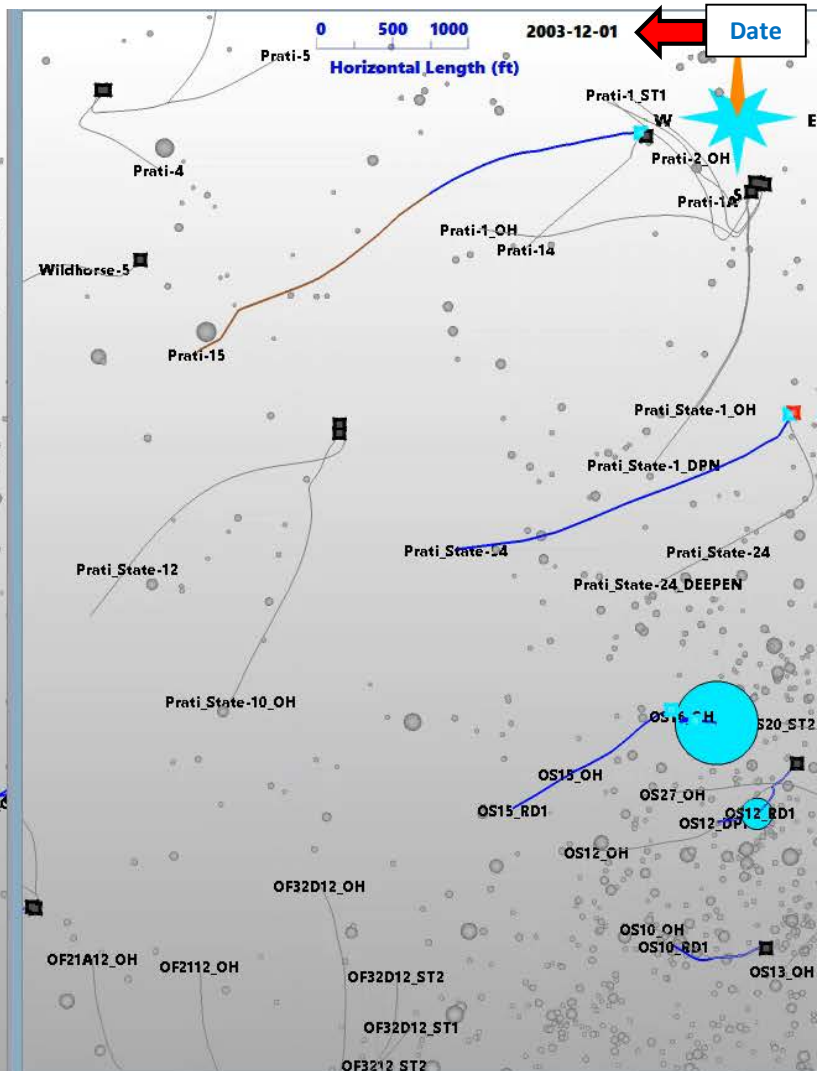
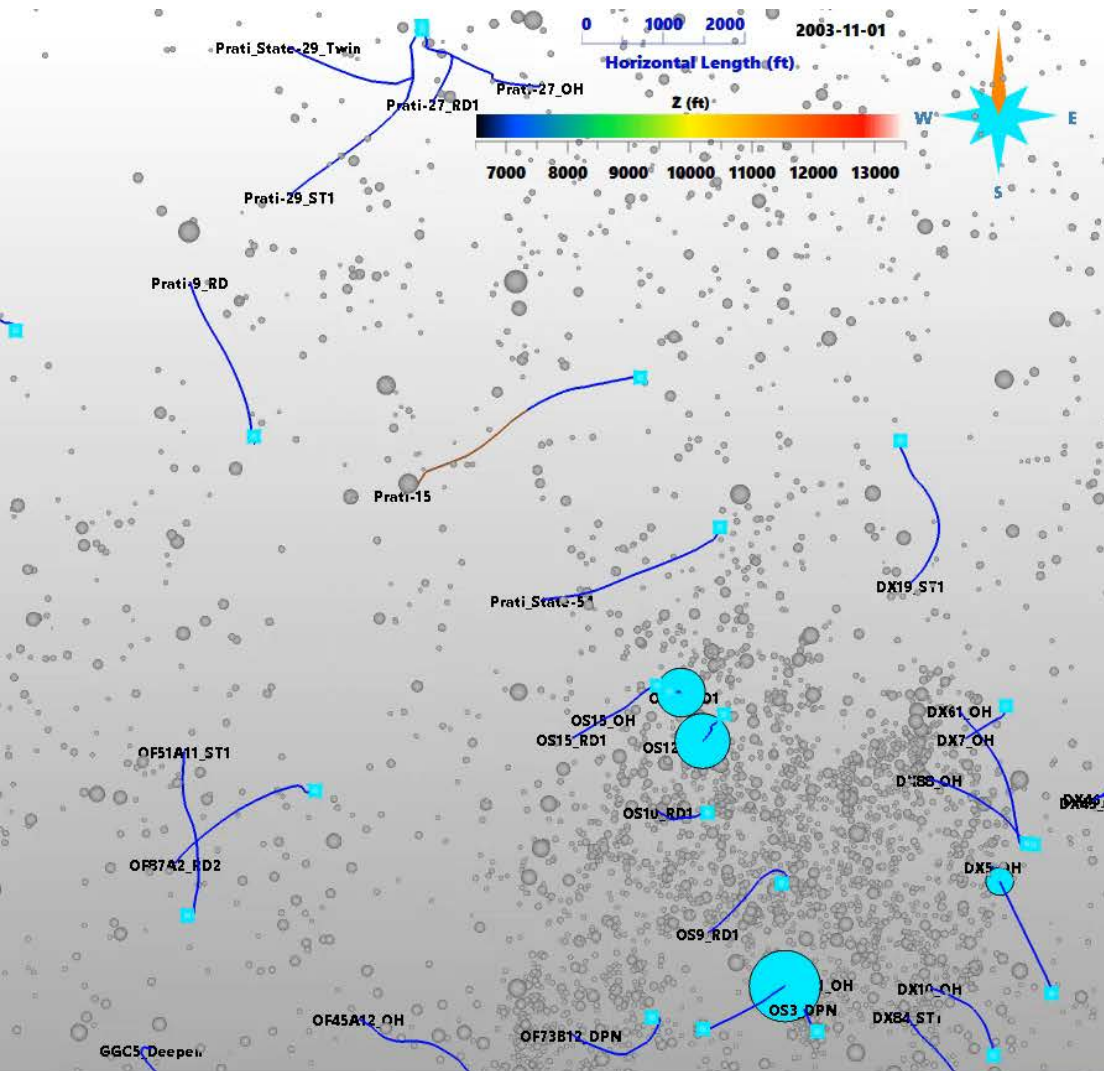
Peak Ground Acceleration vs. Hypocentral Distance Seismic Events For Magnitude 2.75 to 3.25

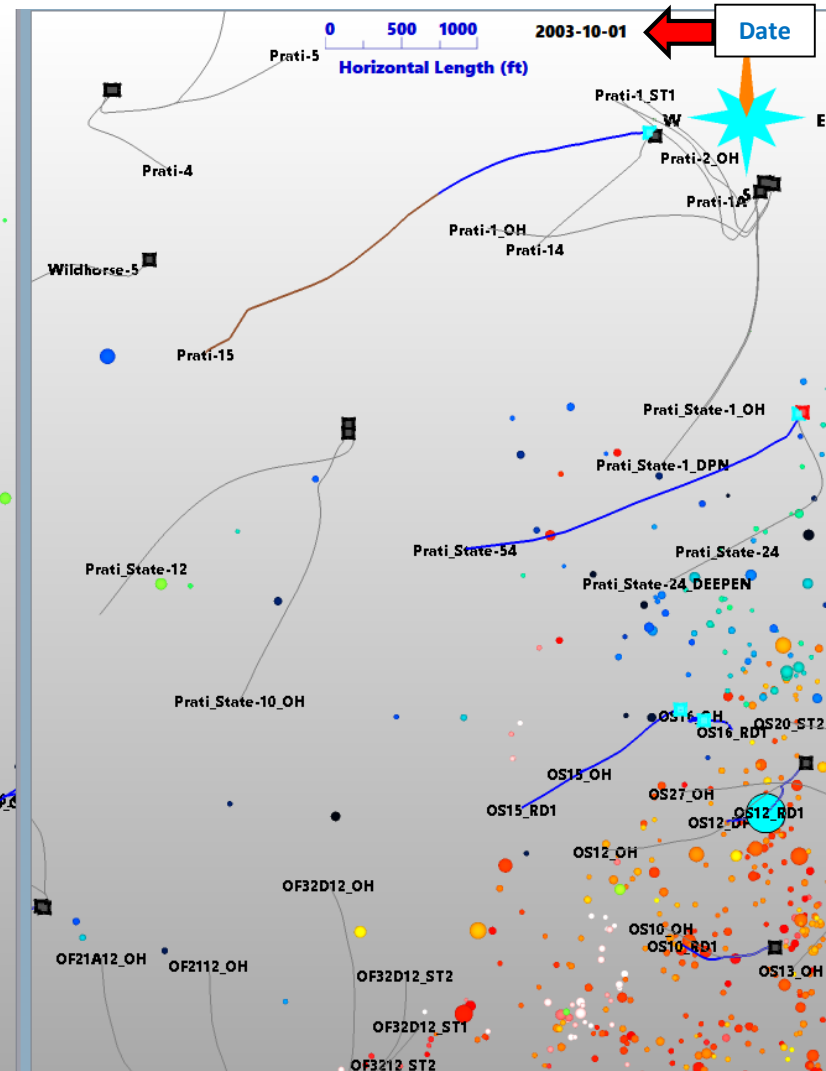
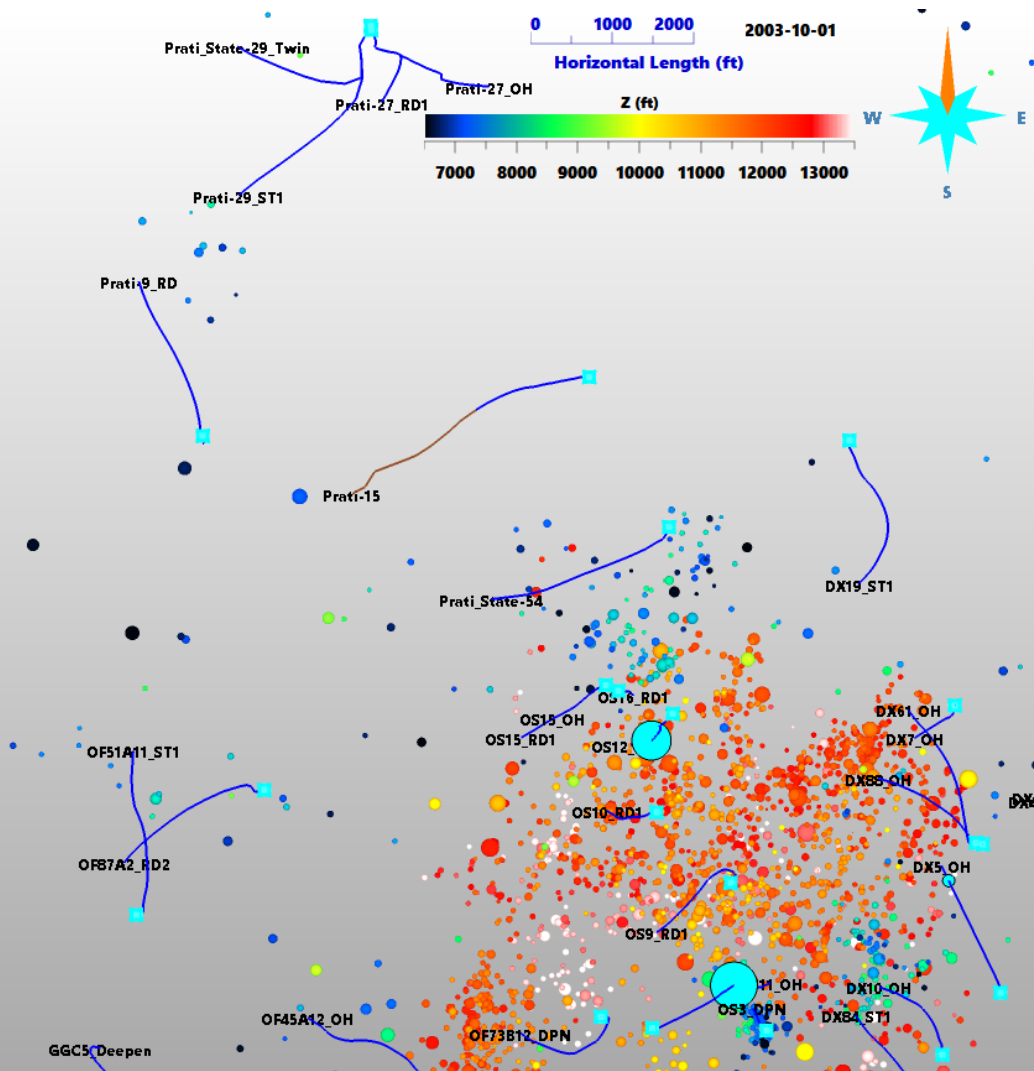
Curve is Sharma and Convertito 2018 Model Median Value

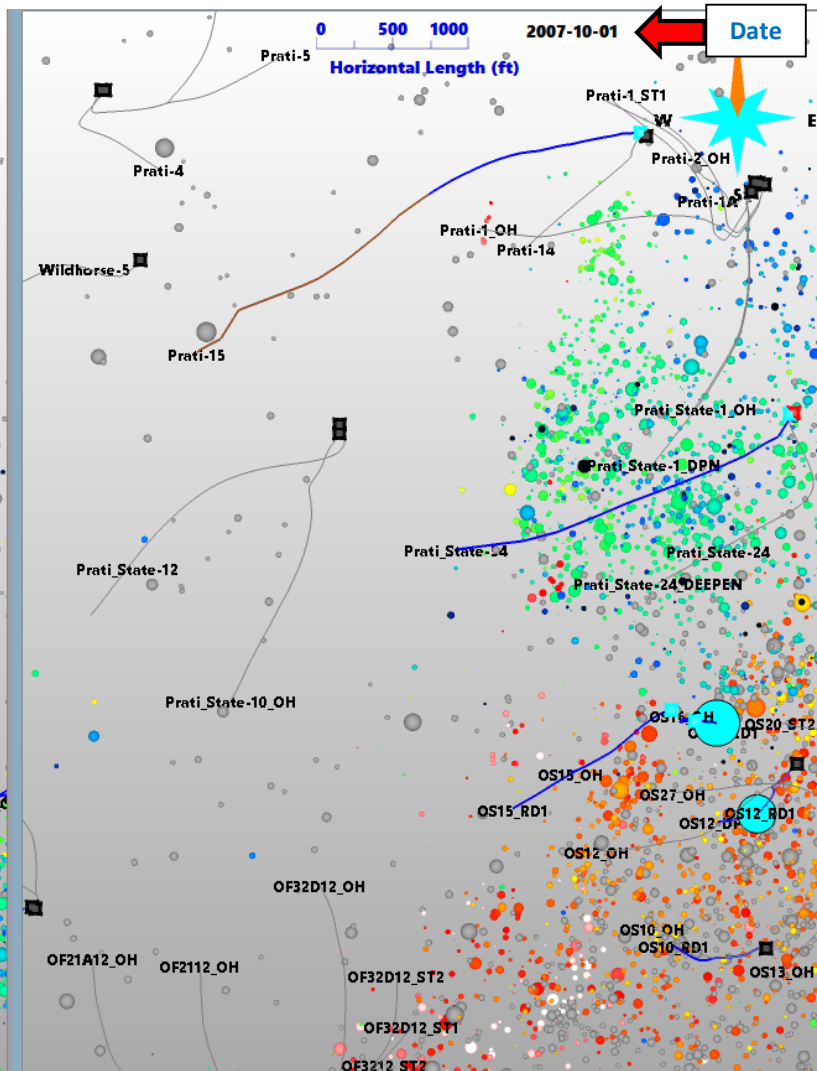
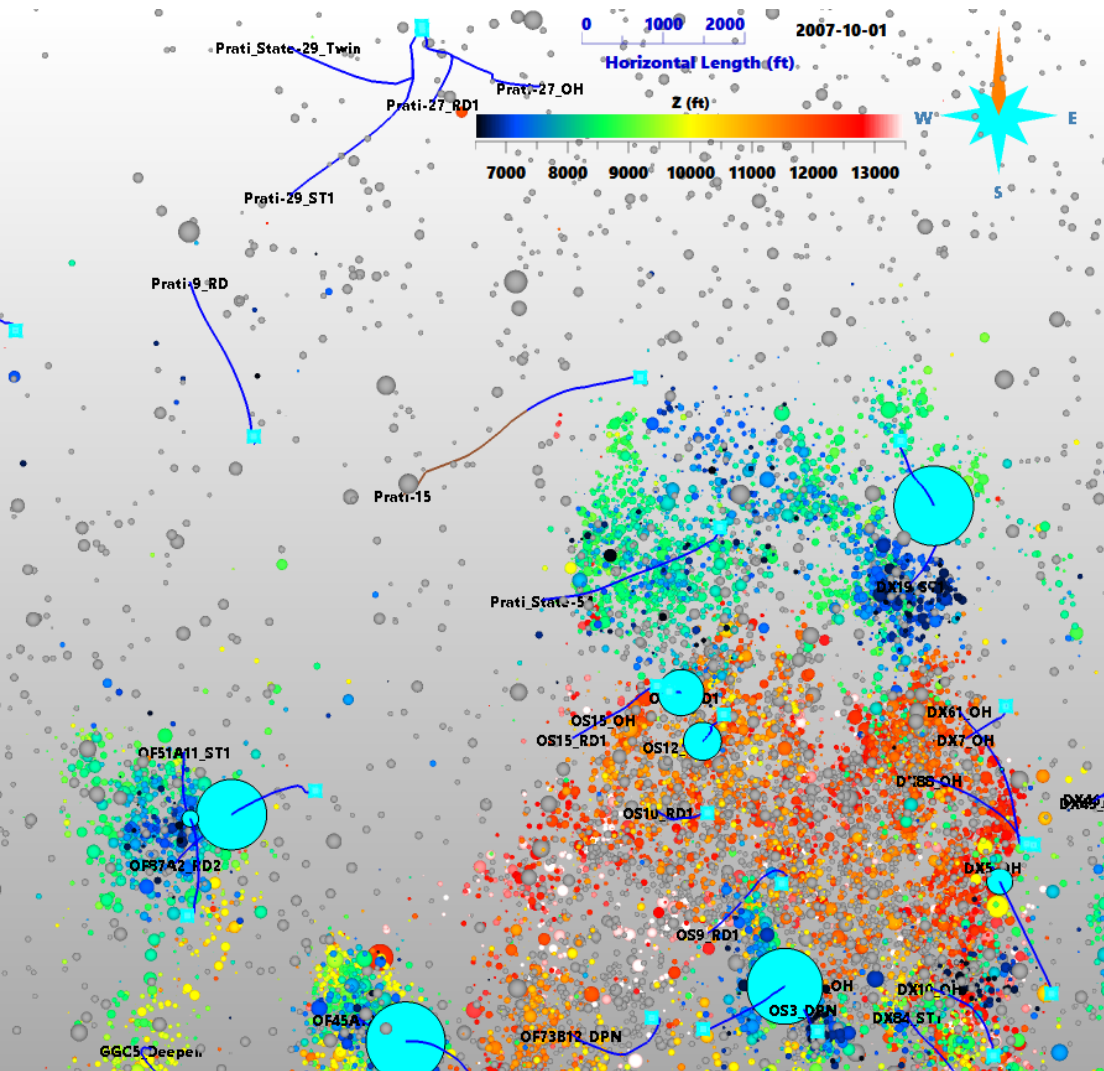
Anderson Springs Peak Ground Acceleration vs. Hypocentral Distance
 Sharma and Convertito Model (Median Value) For Magnitude 2.75 - 3.25 Seismic Events From 01 March 2021 - 31 August 2021 (log-log scaling)

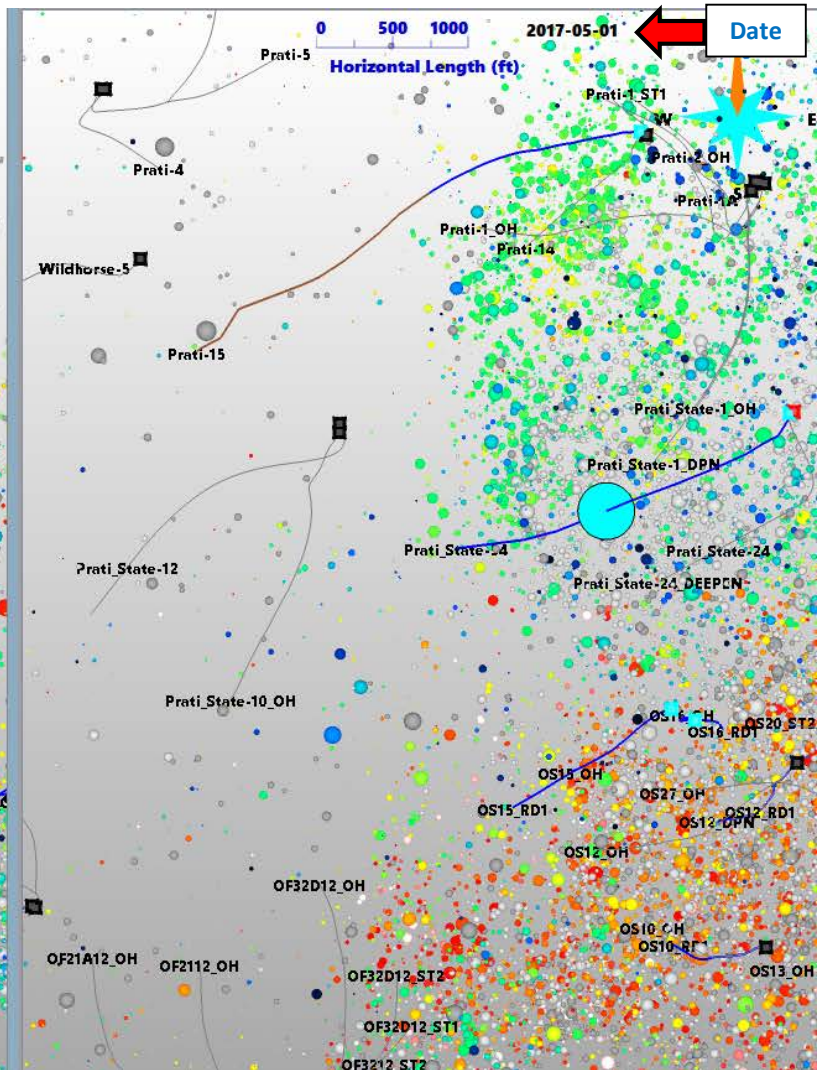
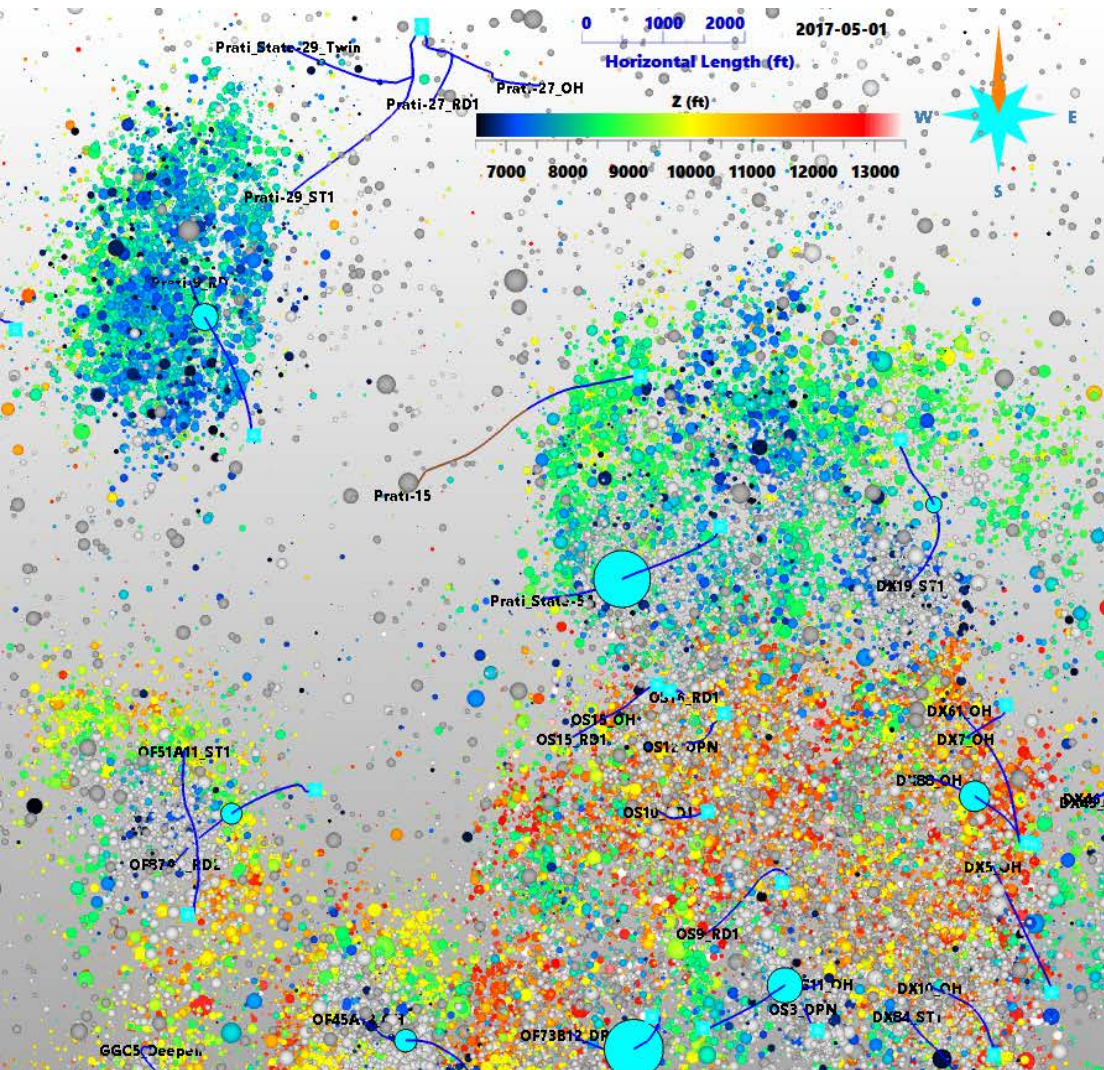


| Perceived Shaking | Not Felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
|-----------------------------|----------|------------|-----------|------------|------------|-------------|-------------|--------------|------------|
| Potential Damage | None | None | None | Very Light | Light | Moderate | Mod/Heavy | Heavy | Very Heavy |
| Peak Acceleration (% of g) | < 0.17 | 0.17 - 1.4 | 1.4 - 3.9 | 3.9 - 9.2 | 9.2 - 18.0 | 18.0 - 34.0 | 34.0 - 65.0 | 65.0 - 124.0 | > 124.0 |
| Peak Velocity (cm/sec) | < 0.10 | 0.1 - 1.1 | 1.1 - 3.4 | 3.4 - 8.1 | 8.1 - 16.0 | 16.0 - 31.0 | 31.0 - 60.0 | 60.0 - 116.0 | > 116.0 |
| Modified Mercalli Intensity | I | II-III | IV | V | VI | VII | VIII | IX | X |



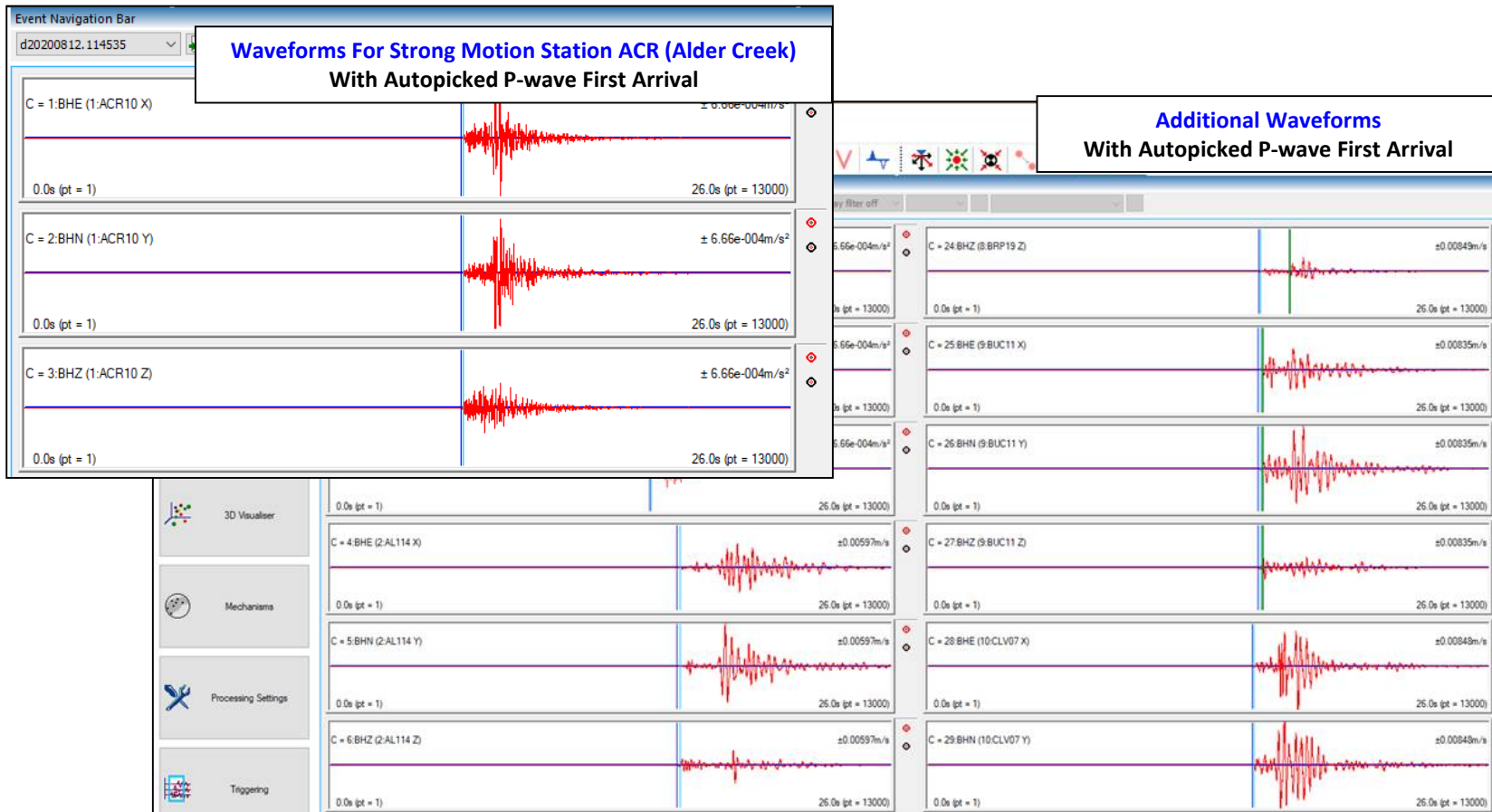






Seismic events exceeding threshold criteria were isolated from The Geysers continuous waveform data and processed with **Applied Seismology InSite-Geo software**. Waveforms for the East-West, North-South and Vertically oriented sensors are shown for a **12 August 2020 magnitude 3.9 seismic event** processed on a Geysers Power Company, LLC workstation.

Larger seismic events typically have usable waveforms (with signal well above the noise floor) for the majority of the 38 three-component LBNL / Calpine seismic stations.

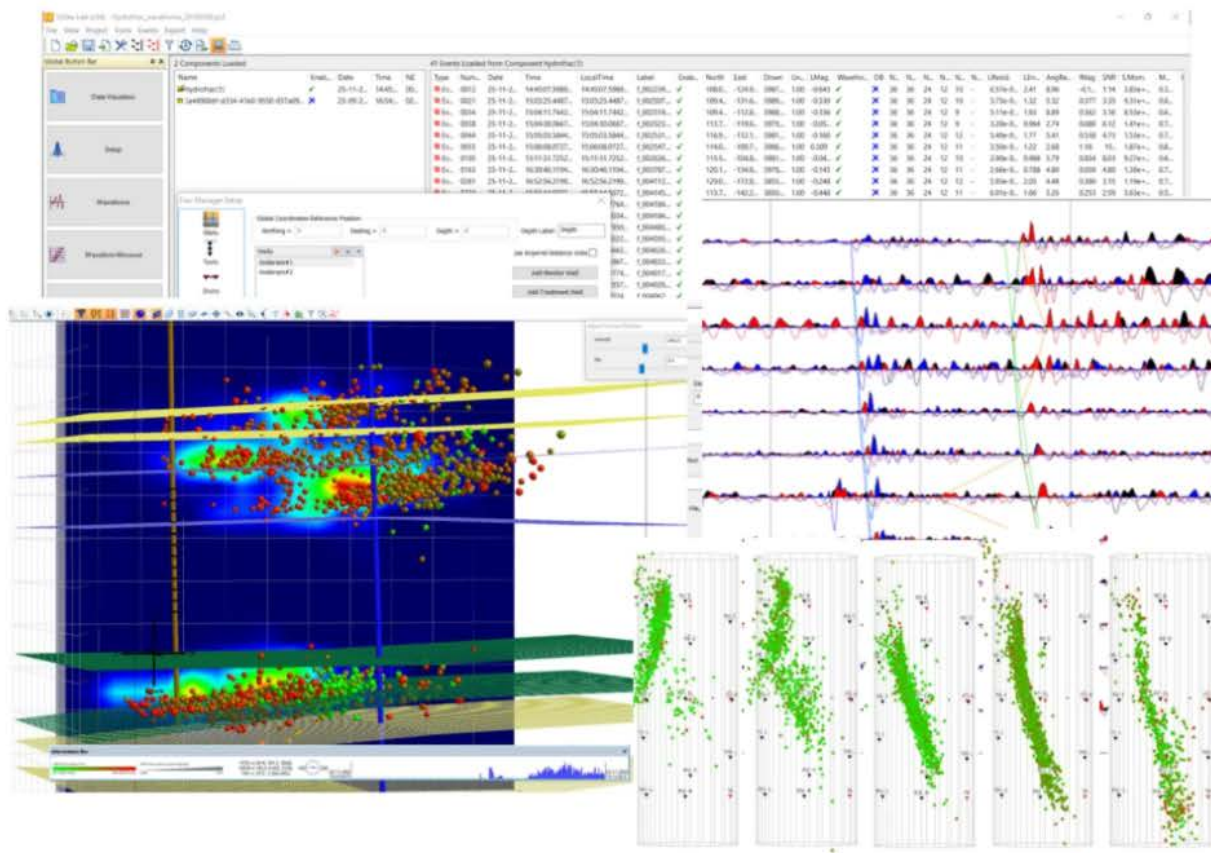


Geysers Power Company, LLC tested and has **PURCHASED** this well-developed software to assist with detailed seismicity analysis at The Geysers. License key and software available May 2022.

InSite Seismic Processor



- Itasca's seismic software integrating data management, processing, analysis and interpretation
- Developed over the past 20 years incorporating tools from internal R&D and collaboration projects with clients and partners
- Used at all scales of seismic and acoustic monitoring, from laboratory rock deformation tests to processing of local and regional seismicity
- Latest version 3.16.1 released March 2020



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01 October 2021 to 31 March 2021 Reporting Period Craig Hartline Senior Geophysicist



