Cluster Locations

Cluster Number (marker colors match histogram)

Clusters and occurrences identified by waveform similarity. Clusters are identified using the GISMO software package (M. West) by cross-correlating all waveforms against each other and then forming a cluster tree, which is subdivided at a cutoff cross correlation coefficient of 0.7.

Only steeply arriving waves are useful
$$i_o = \sin^{-1}(V_s/V_p) \quad \text{(Nuttli, 1961)}$$
For V_s/V_p ratios of ~1.7 (Hansen et al., 2004), and earthquake depths of ~8km, earthquakes must have epicenters within ~4km radius of the observing station.