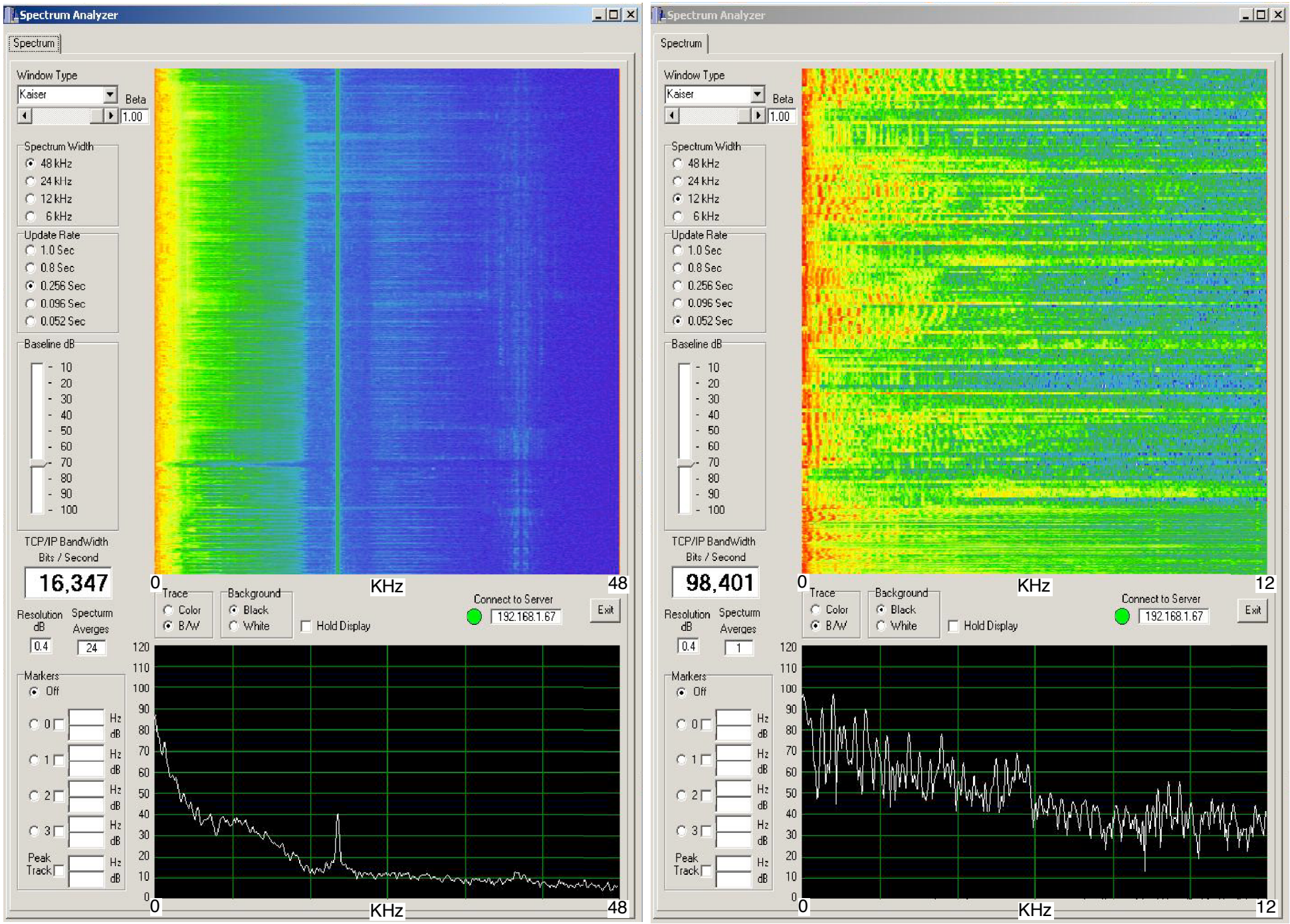

ALOHA Cabled Observatory Hydrophone Spectral Software. To save bandwidth, the 96 kHz data will be stored for about two weeks at the cable station, and a spectral channel will send real-time spectral estimates to SOEST for observation and detection of events. When interesting events are found, the raw data can be requested in file-format. The “waterfall” spectrogram plots above are generated from the Proof Module hardware with input from a local radio station. The plot on the left shows the full 48 KHz bandwidth with updates every 1/4 sec. The plot to the right shows the low 12 KHz band with updates 20 times per second. The bottom graphs are instantaneous spectra.