

39PW Real-Time Station Performance Monitoring

The collection of usable infrasound station data is a pragmatic performance requirement. Infrasound array I39PW, Palau, is located near the Asian-Pacific Ring of Fire and within the Northwestern Pacific typhoon basin. These natural source regions provide abundant ambient signals for assessing station performance and streamlining processing routines. The University of Hawaii Infrasound Laboratory (ISLA) operates and maintains I39PW and runs several automated processes for real-time station performance monitoring. The Infrasonic Energy, Nth Octave (INFERNO) framework is used to select the frequency bands and time windows used in real-time spectral analyses, signal to noise, and PMCC4 array processing. Selected case studies will be presented.

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