

Acceptance Testing Posthole Sensors at PIC

TA posthole sensors:

6 Trillium 120 PH

101 Trillium 120 PHQ

10 STS-4B

151 STS-5A

268 total

GEOICE All-in-one System:

8 Meridian 120 PH

16 Meridian Compact 120

24 total

All of the new sensors were put through standard testing at PIC



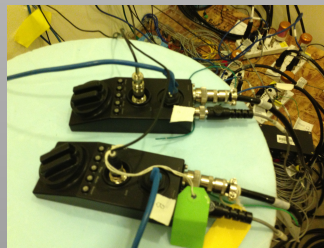
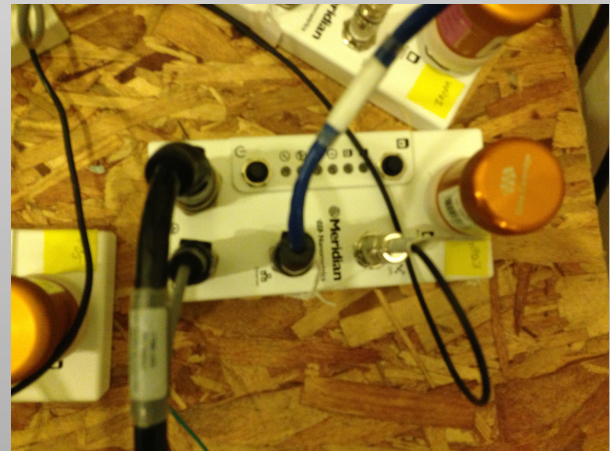
TA posthole Pier Results

- Vast majority of sensors passed the first test:
 - 3 Trillium 120 PHQ Failed and needed to be sent RMA
 - 2 STS-5A Failed and needed to be sent RMA
 - Several STS-5A's seemed to fail but a firmware upgrade fixed the issue (not responding to mass recenter command).

[illegible]

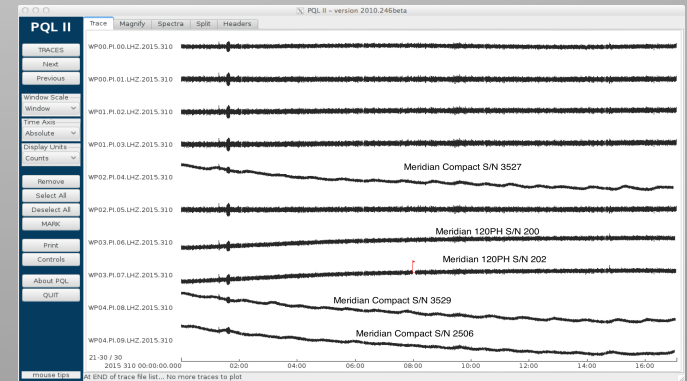
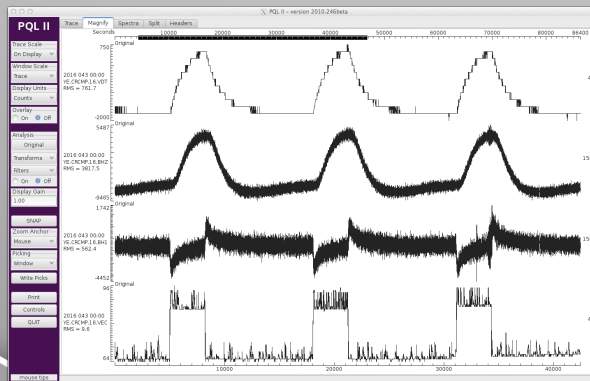
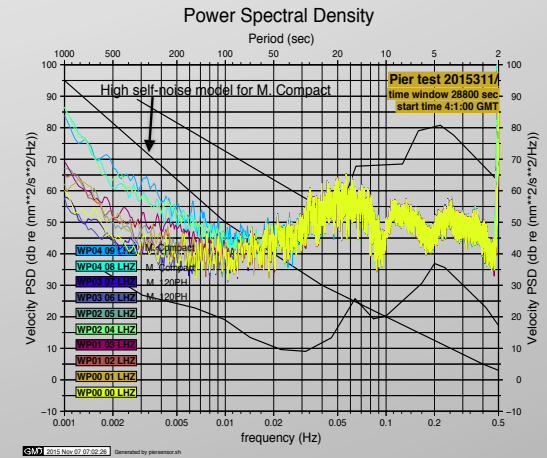
Meridian All-In-One testing

Meridian testing has been ongoing as improvements are made to the sensor, data logger and surface interface units.

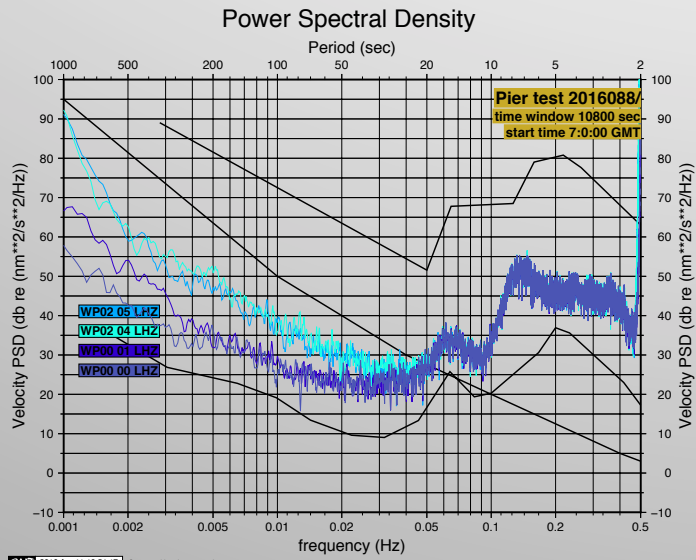


Meridian Posthole Testing Results

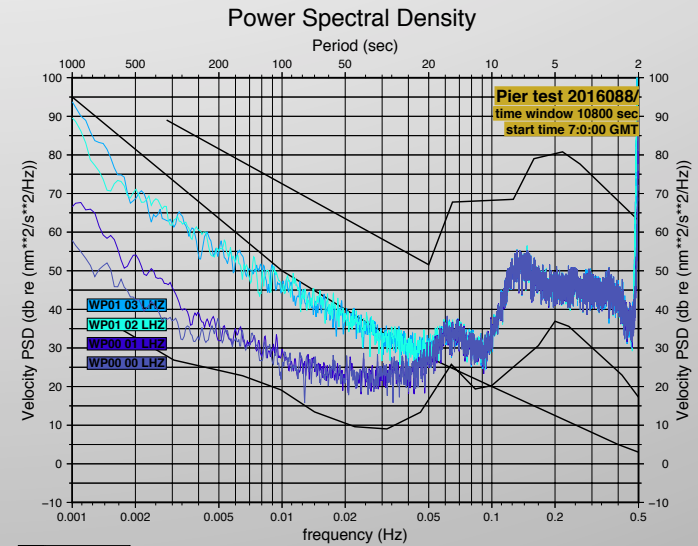
- Meridian 120 sensors all passed noise criteria, one DAS unit was faulty.
- Meridian Compacts have long period noise signals caused by disk writing and telemetry but are typically still within acceptance levels.
- Possibly 2 Meridian Compacts are failing for noise (on-going discussion with Nanometrics).



Meridian Compact Posthole Observations



GMP 2016 Apr 11 10:54:17 Generated by piersensor.sh



GMP 2016 Apr 11 16:51:27 Generated by piersensor.sh

High Frequency Noise

