

Company Introduction



Geomonitoring

History

- Since 1990 company named G4C (entrepreneur)
- 2011 established limited liability company Geomonitoring s.r.o.
- Since 1994 Geokon Agent in the Czech Republic

Professional History

- Geotechnical instrumentation (homecountry)
- Since 2012 consulting and geotechnical instrumentation training for Geokon clients all over the world

Jobs History

- Dams
- Natural Gas High Pressure Pipelines
- Landslides
- Data Interpretation
- Data Visualization through VistaDataVision
- Inclinator Measurements
- Pile Walls, Slurry Walls, Tunnels, Excavations,...

Recent Activities

- Installed systems maintenance
- Data reduction
- Internet data visualization via VistaDataVision software installed at our server
- Consulting and personal client training in the geotechnical instrumentation
- Geotechnical Instrumentation
- Geokon instruments sales

OpSens Fibre Optics Sensors



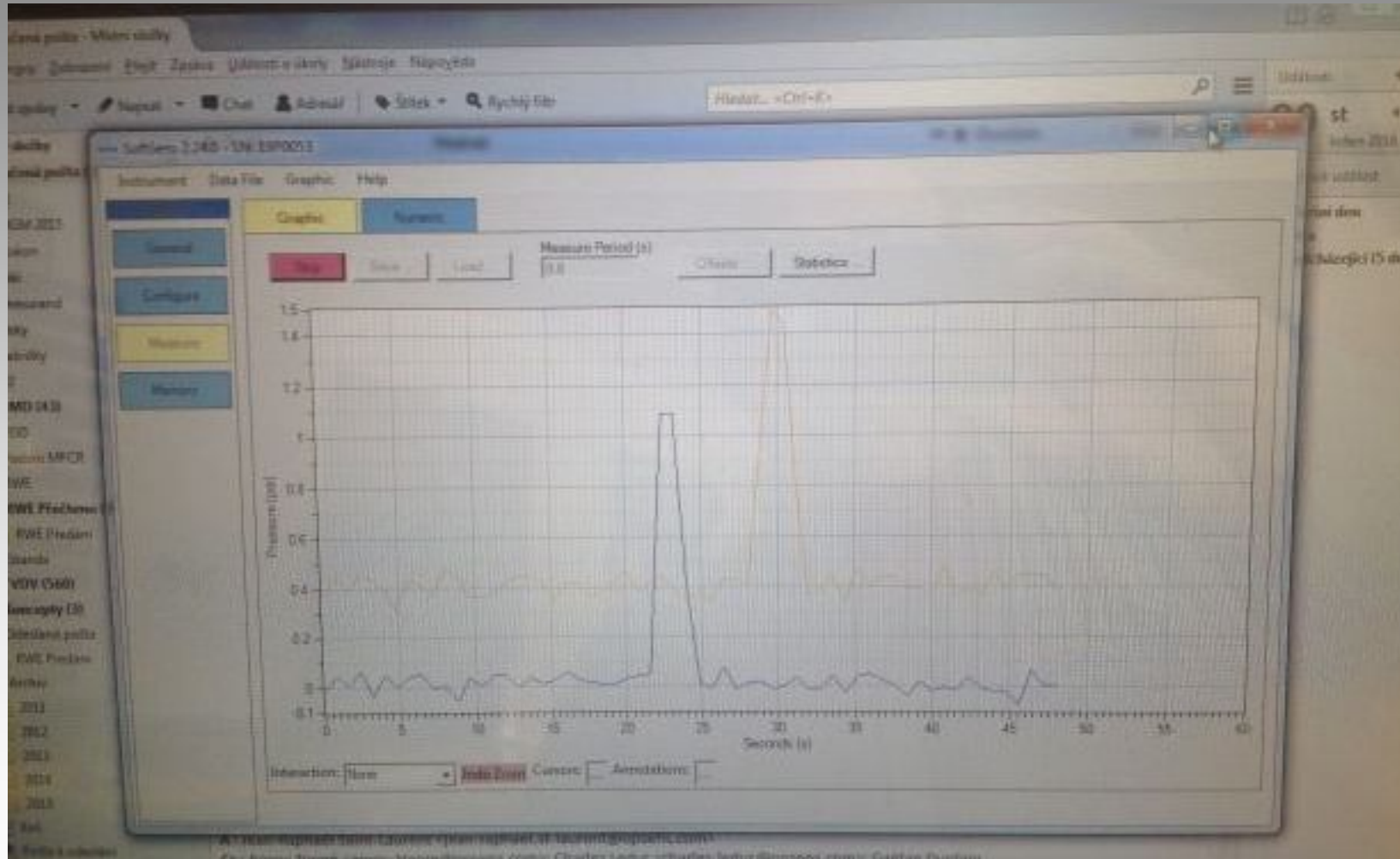
- January 2016, Romania
- Geokon Concrete Pressure Cells with OpSens Fiber Optics Pressure Sensor
- Installation inside the concrete foundation

- The first real contact with OpSens products
- Successful installation
- Client was trained in the installation and data reduction

Geokon Concrete Pressure Cells with OpSens Fiber Optics Pressure Sensor



Sensor Testing before Installation



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Pressure Cell Installation



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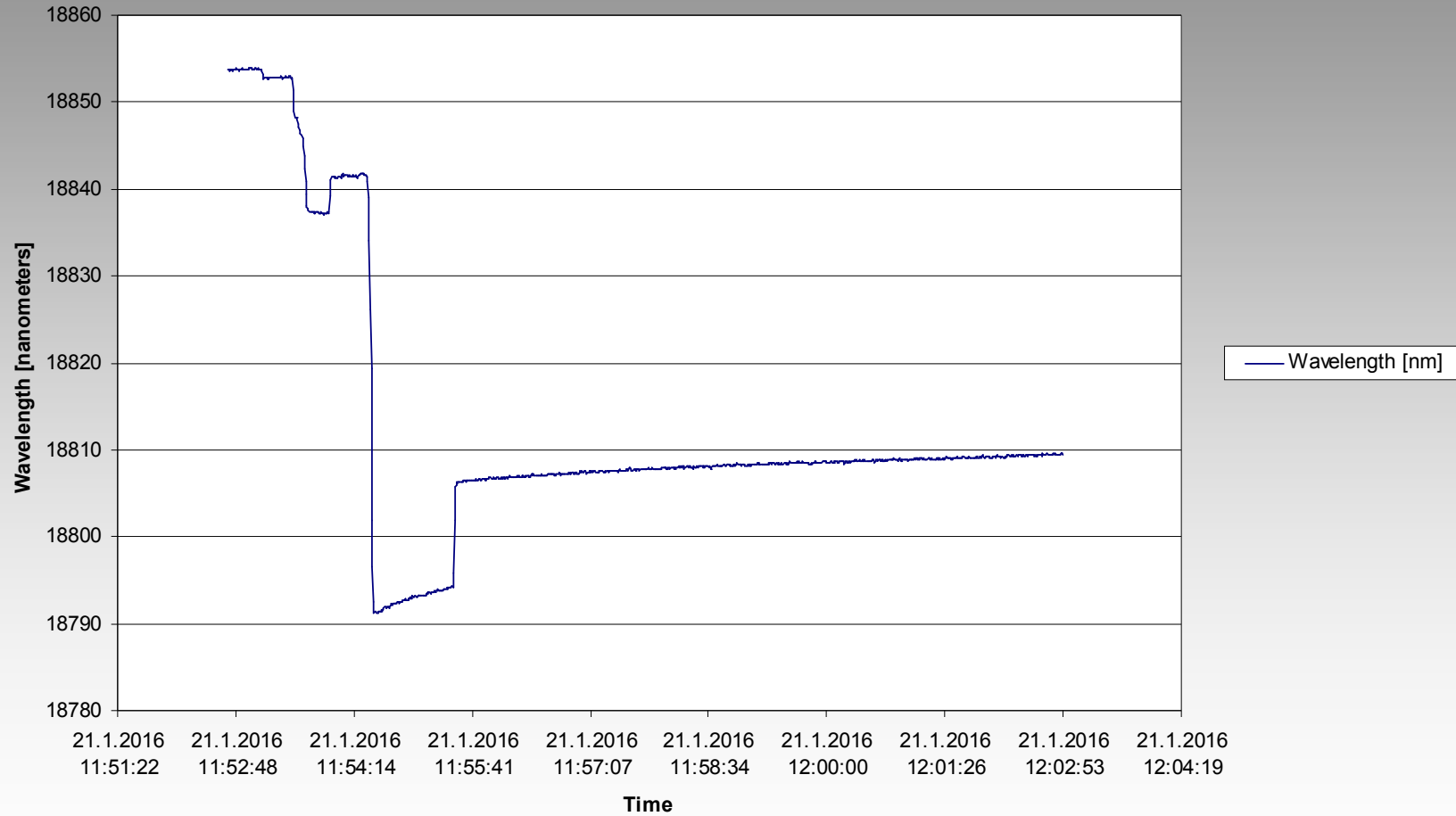
Pressure Cell Installation (Pouring Concrete)



Sensor Installation (Cured Concrete)



Sensor Installation Cell Re-pressurization



Following Sensors (Installations were more complicated)



Vista Data Vision (VDV)

Vista Data Vision - Login

109.123.193.3/vdv/index.html

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Web access to Logged Data / Internetový prístup k Vaším dátam

Welcome to our Information Service / Vítejte v informační službě

User Name / Užívateľske meno

Password / Heslo

Login / Vstúpte

In order to connect to the service, please enter a User Name and Password /
Prosím, zadajte užívateľske meno a heslo a kliknite na Vstúpte

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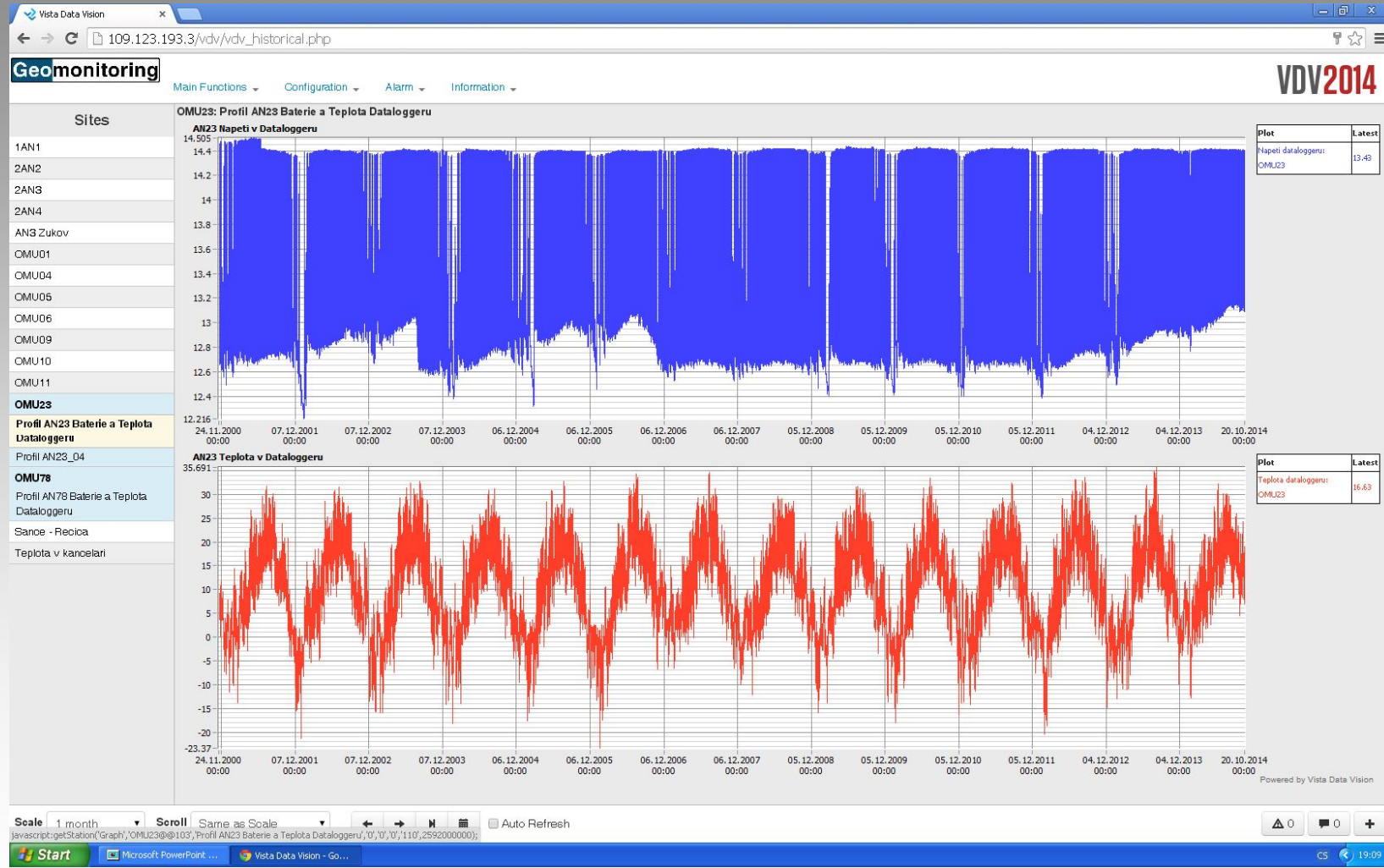
Start Microsoft PowerPoint ... Vista Data Vision - Lo... CS 18:28

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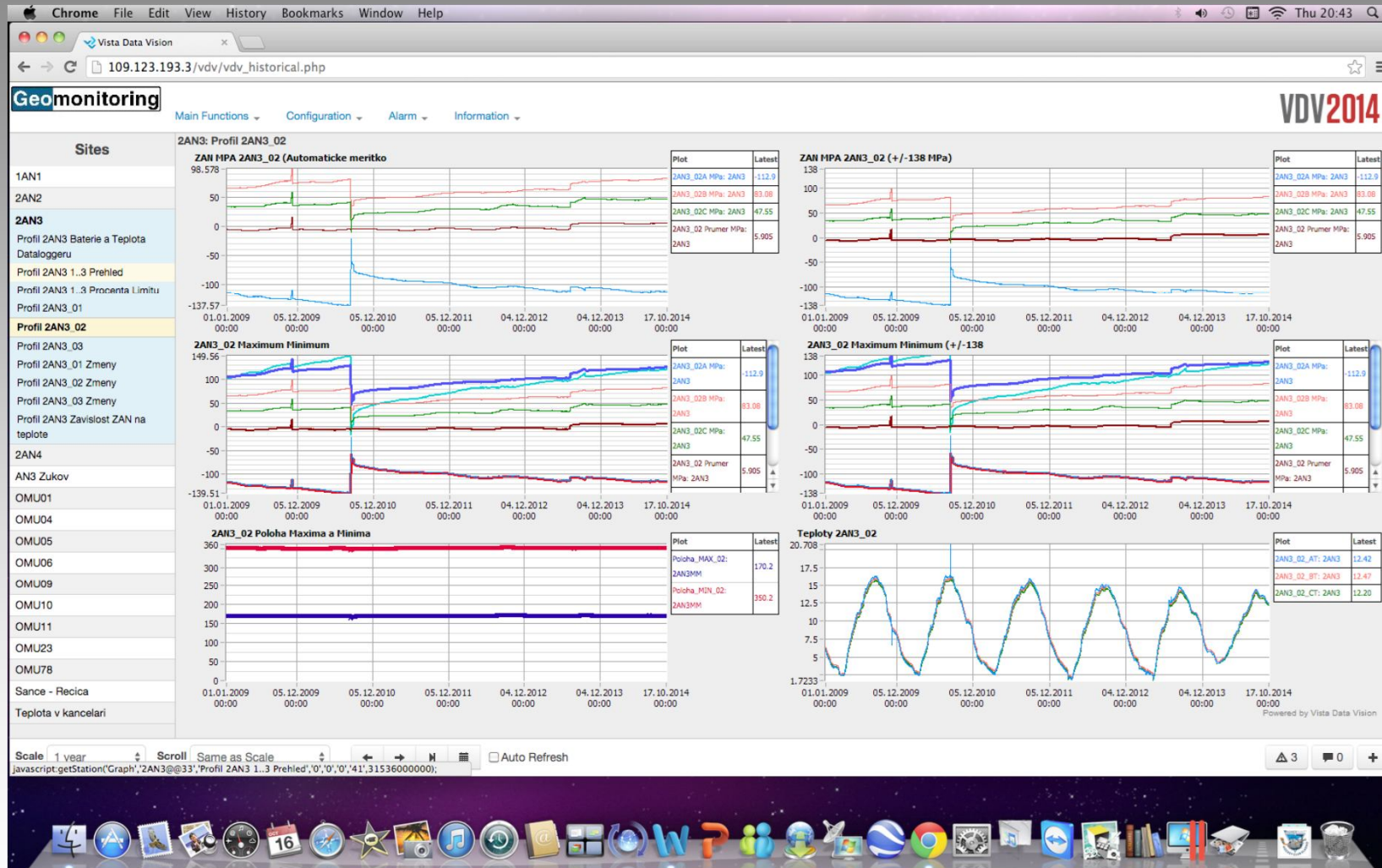
VDV - Data visualization and their control

- Feeding databases with historical and recent data
 - Data update control
 - Battery supply
 - Read data evaluation
 - rate of change
 - percentage of given limits
 - setting alarms (e-mails, SMS)
 - documentation data storage in the server
-

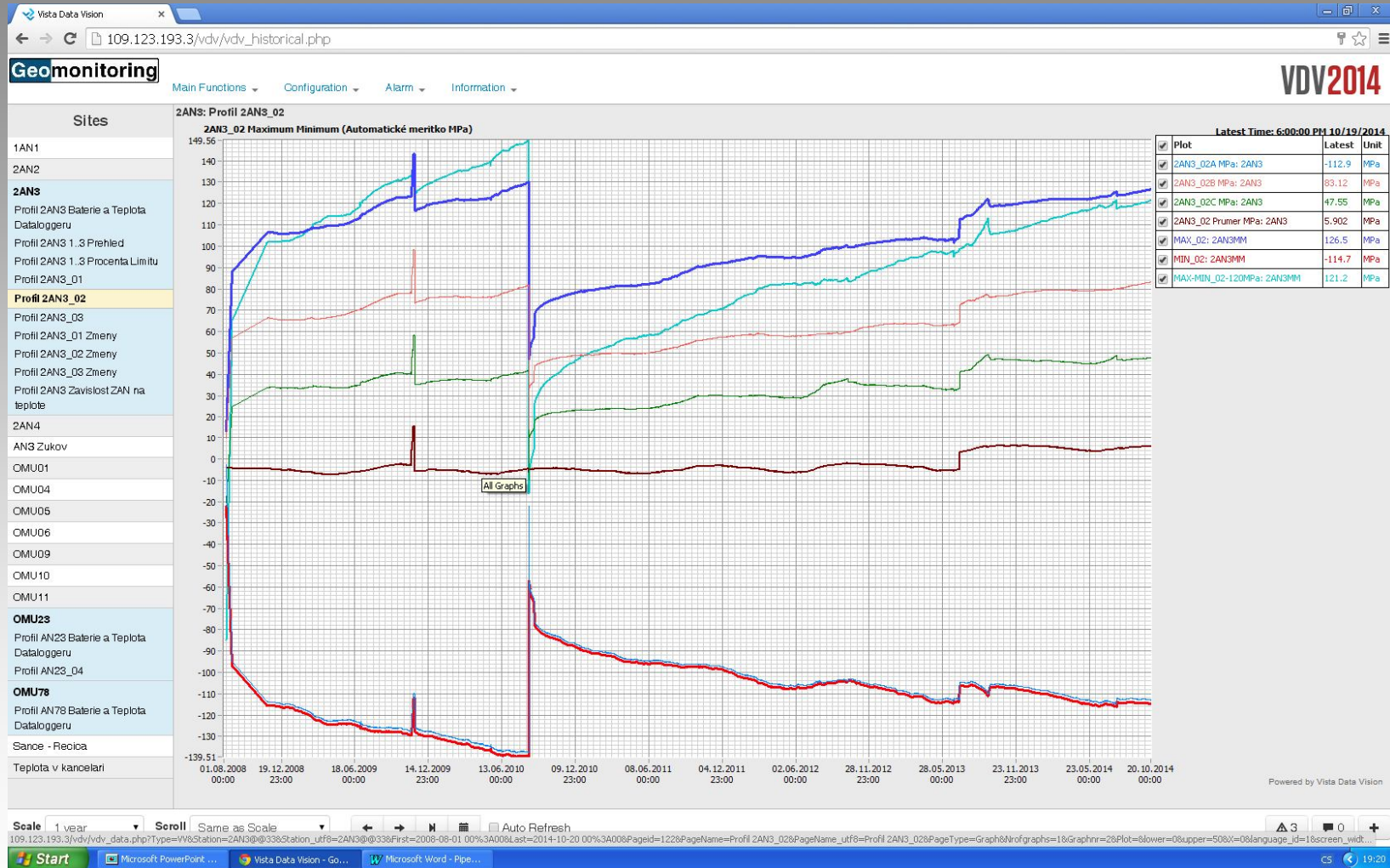
Battery supply and datalogger temperature since 2000



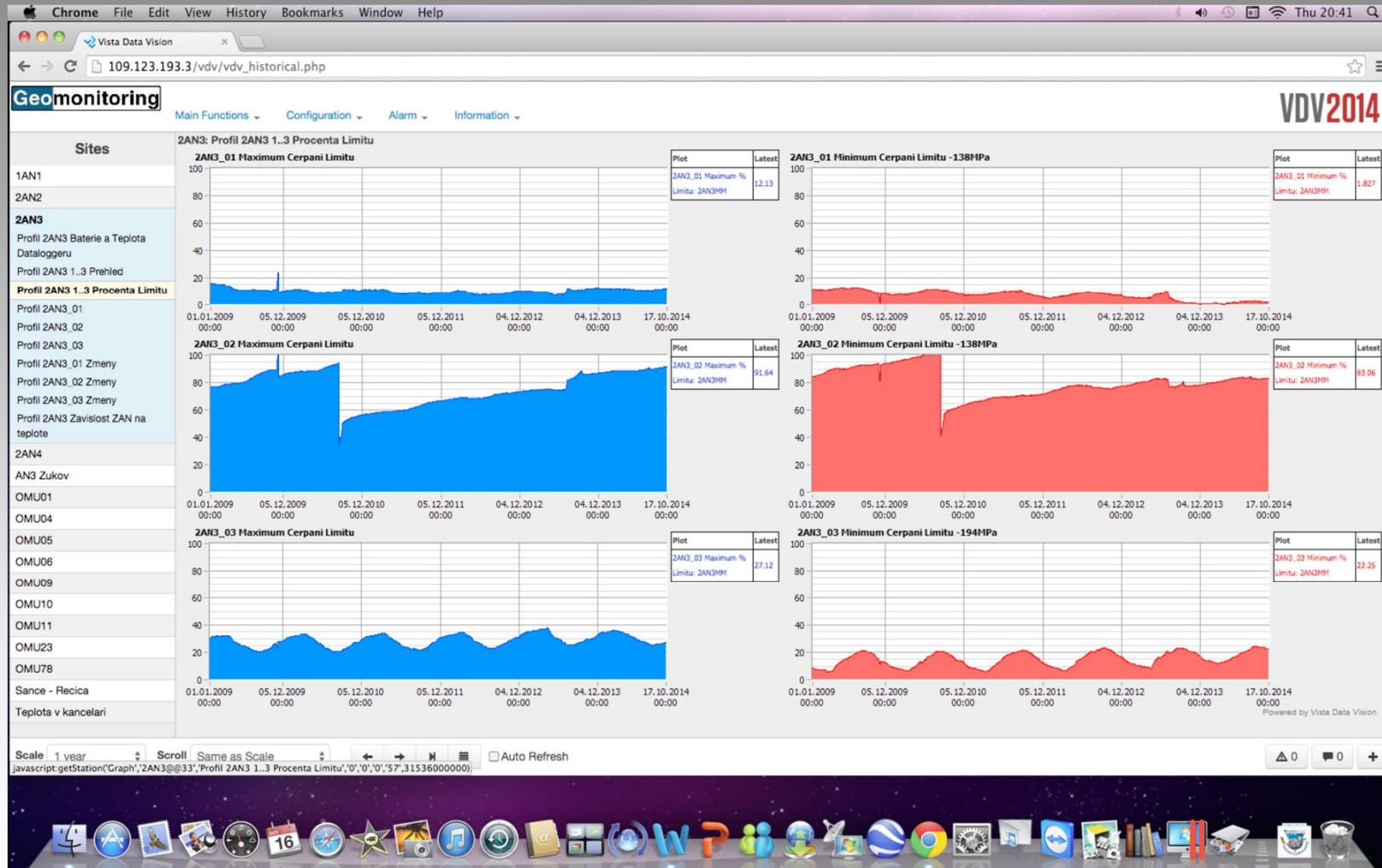
Measured Data since 2008



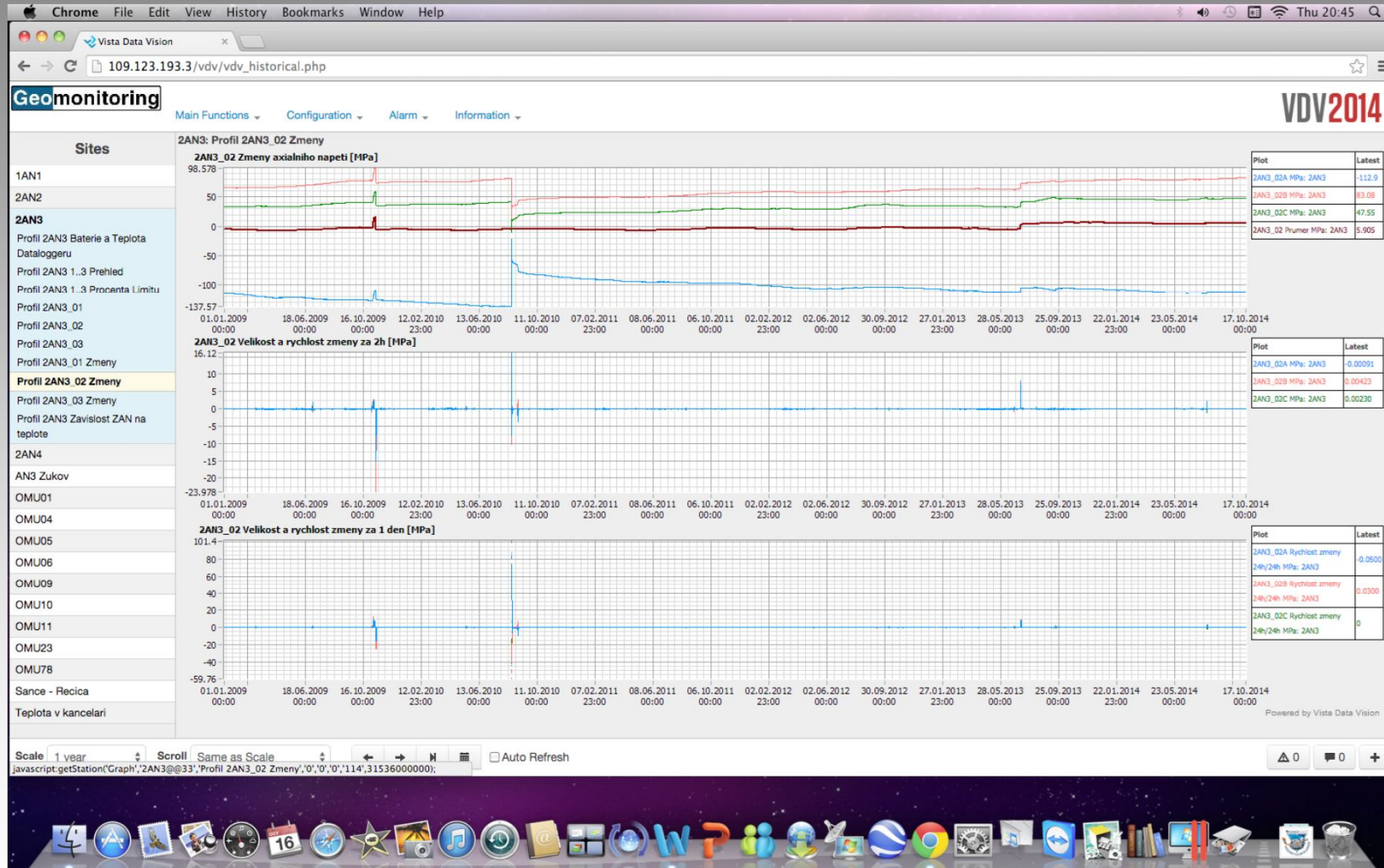
Detailed Graph



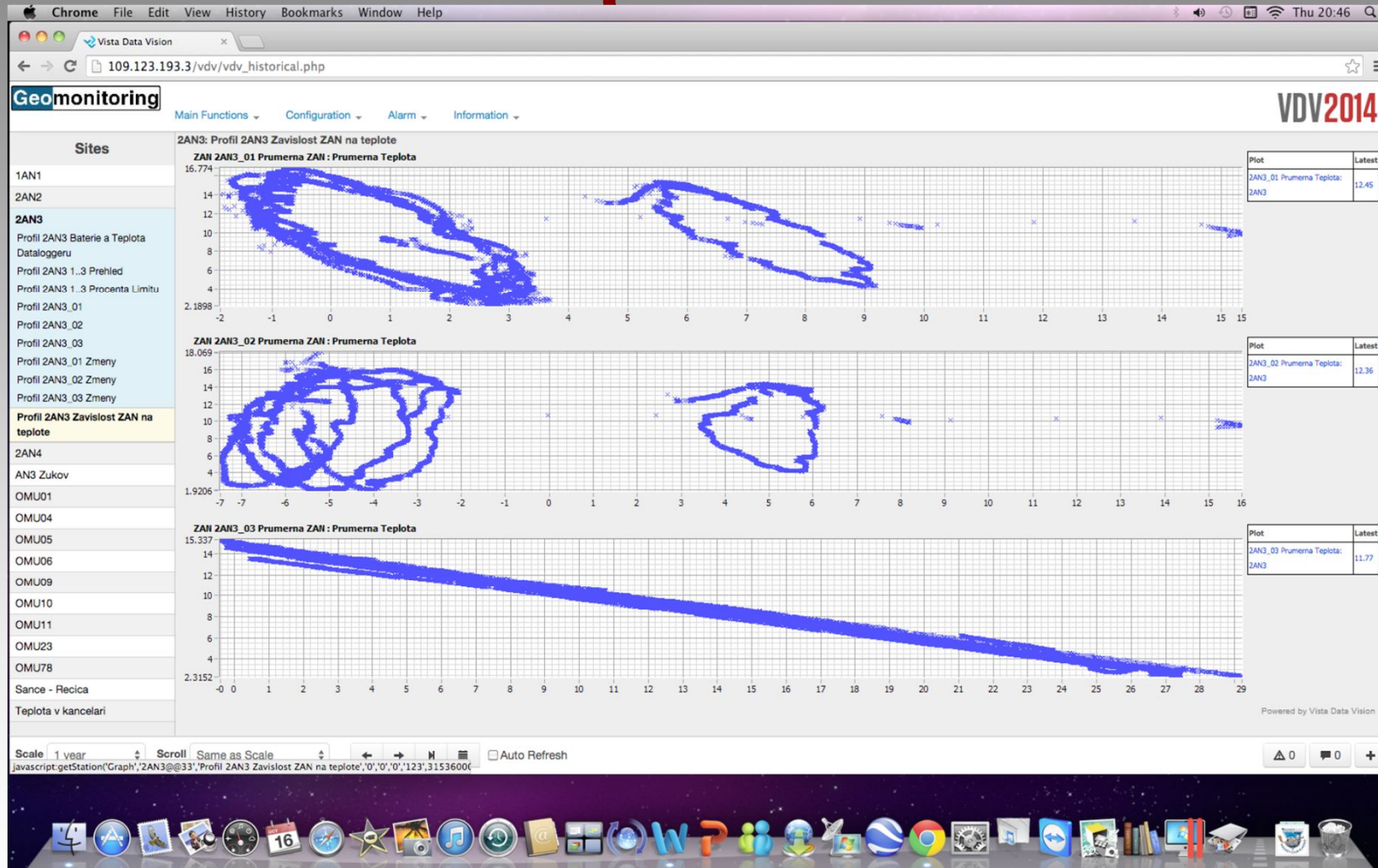
Percentage of the limits



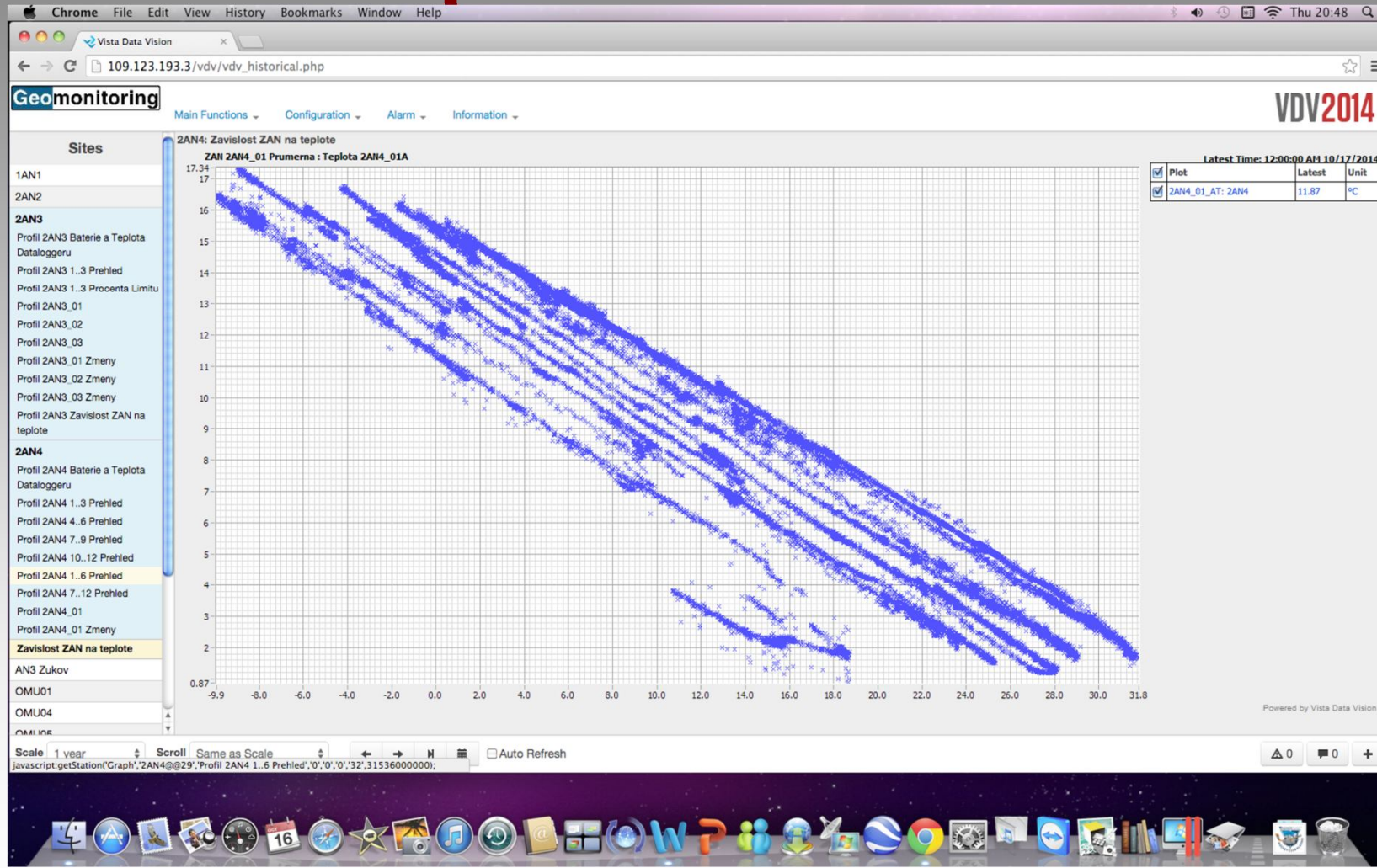
Rate of change



Relation between strain and temperature



Relation between strain and temperature - detail





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Thank you...