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An update on IOS activities and the Brewer software developments

Brewer User Workshop

Santa Cruz de Tenerife

Volodya Savastiouk

March 24-26, 2014

Full Spectrum Science Inc.
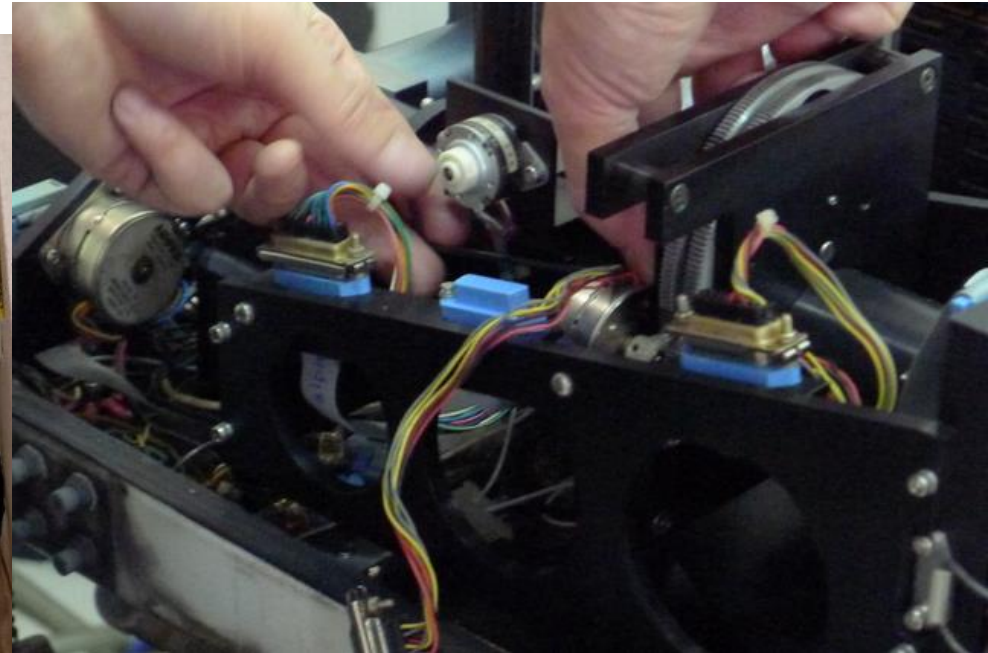
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IOS calibrations in 2013

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WWW.IO3.CA

- Brewer Operating software updates
- Calibrations' timeline

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Hardware

- Microprocessor board (9600 b/s)
- Universal configurable I/O board
- Humidity sensor board

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Software

- Support for the cubic polynomial for the dispersion fit

- Compatibility with DosBox for running Brewers under 64 bit OS and Linux

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Software

- Improved existing and added new average files
  - AP with voltages when lamp(s) ON and OFF
  - DT saving the lamp's intensity for quality control
  - HG saving the cal step and the number of failed tests
  - HS/HL saving peak intensity, peak WL and width
- A smart flexible automatic routing that makes HP/HG/SL when needed only

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Thank you!

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