

Cloud Technology in Ecoinformatics

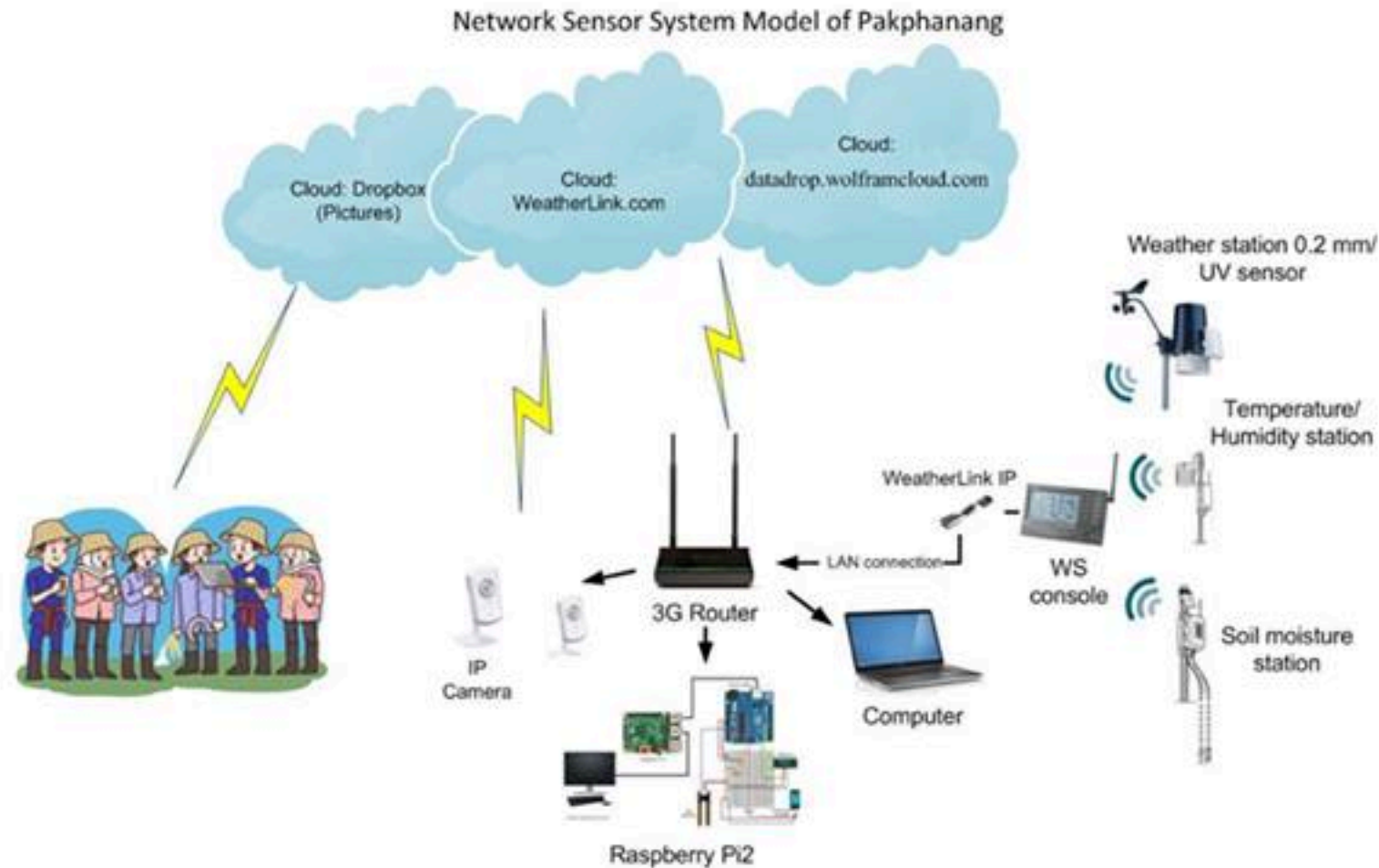
Assoc.Prof.Dr. Krisanadej Jaroensutasinee

PRAGMA31 Panel Discussion

“e-Science in the Cloud: Possibilities and Challenges”

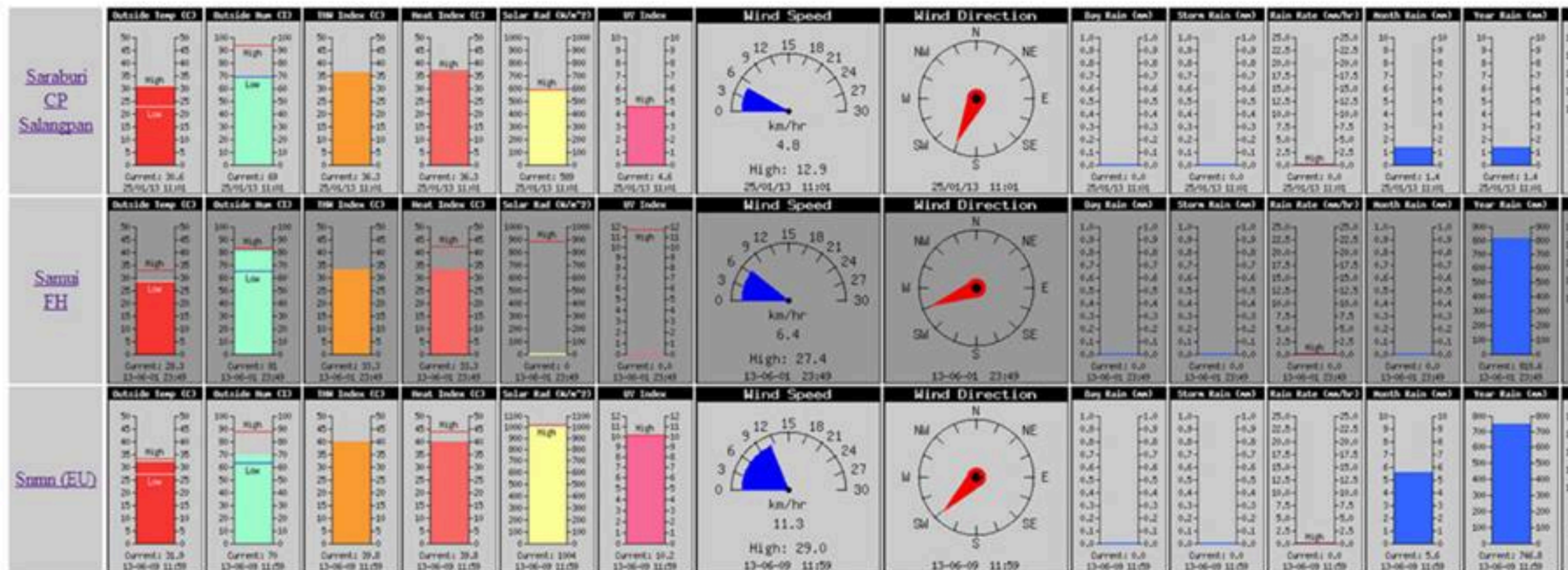
Thursday September 8th, 2016 - Main Plenary Hall, S31 Sukhumvit Hotel, Bangkok, Thailand

Ecosystem – Smart Rice Farming



Multi-source/technology of Data sharing/Sensors

- Cloud can integrate them all with ease.

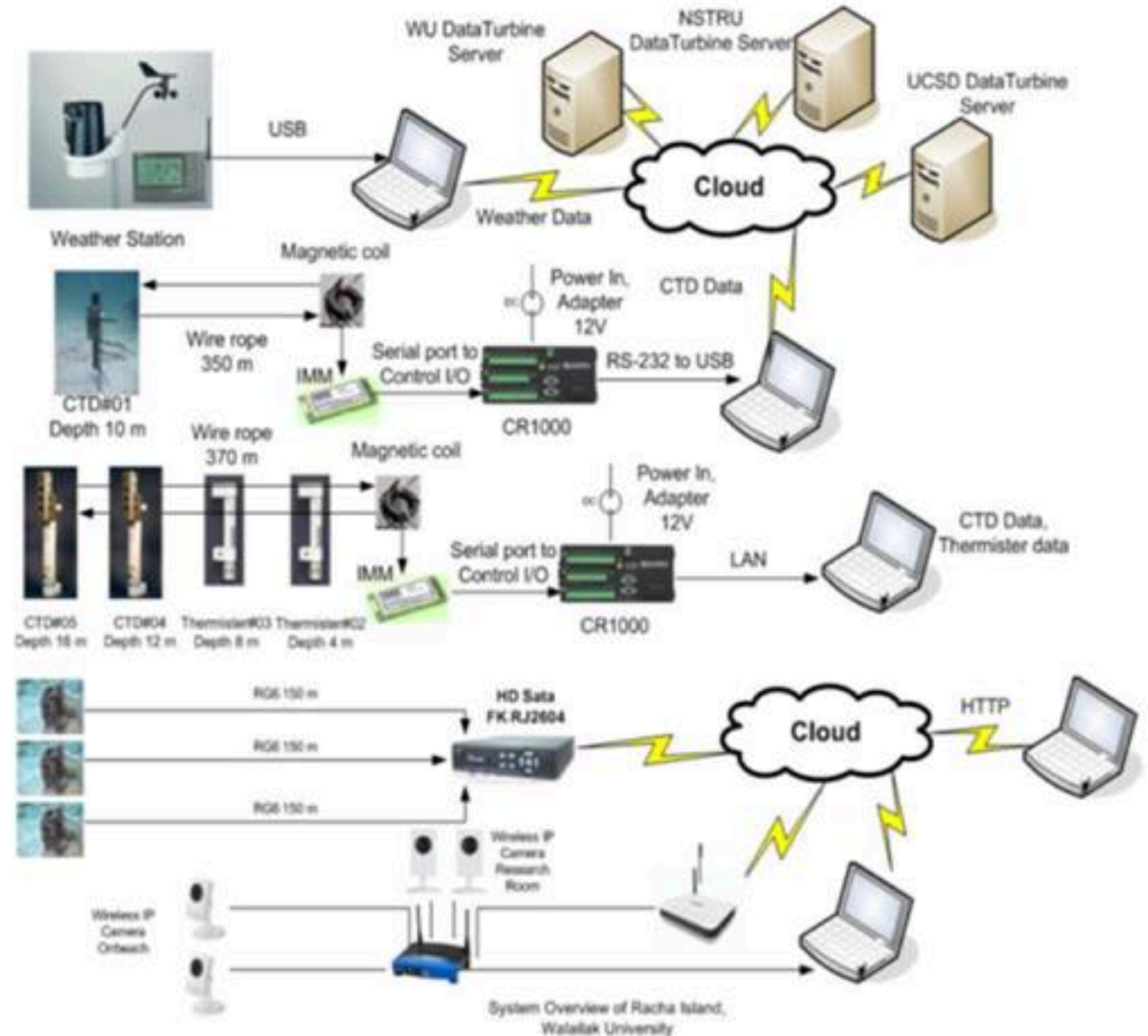




<http://www.twibl.org/dynamics/Dropbox/Ecoam/Monitor/SmartRicePakphanang.html>

Ecosystem

- Coral Reef
- Got projects to extend this to sea grass areas – Dugong, Sea horses in Trang
- A lot more challenges.

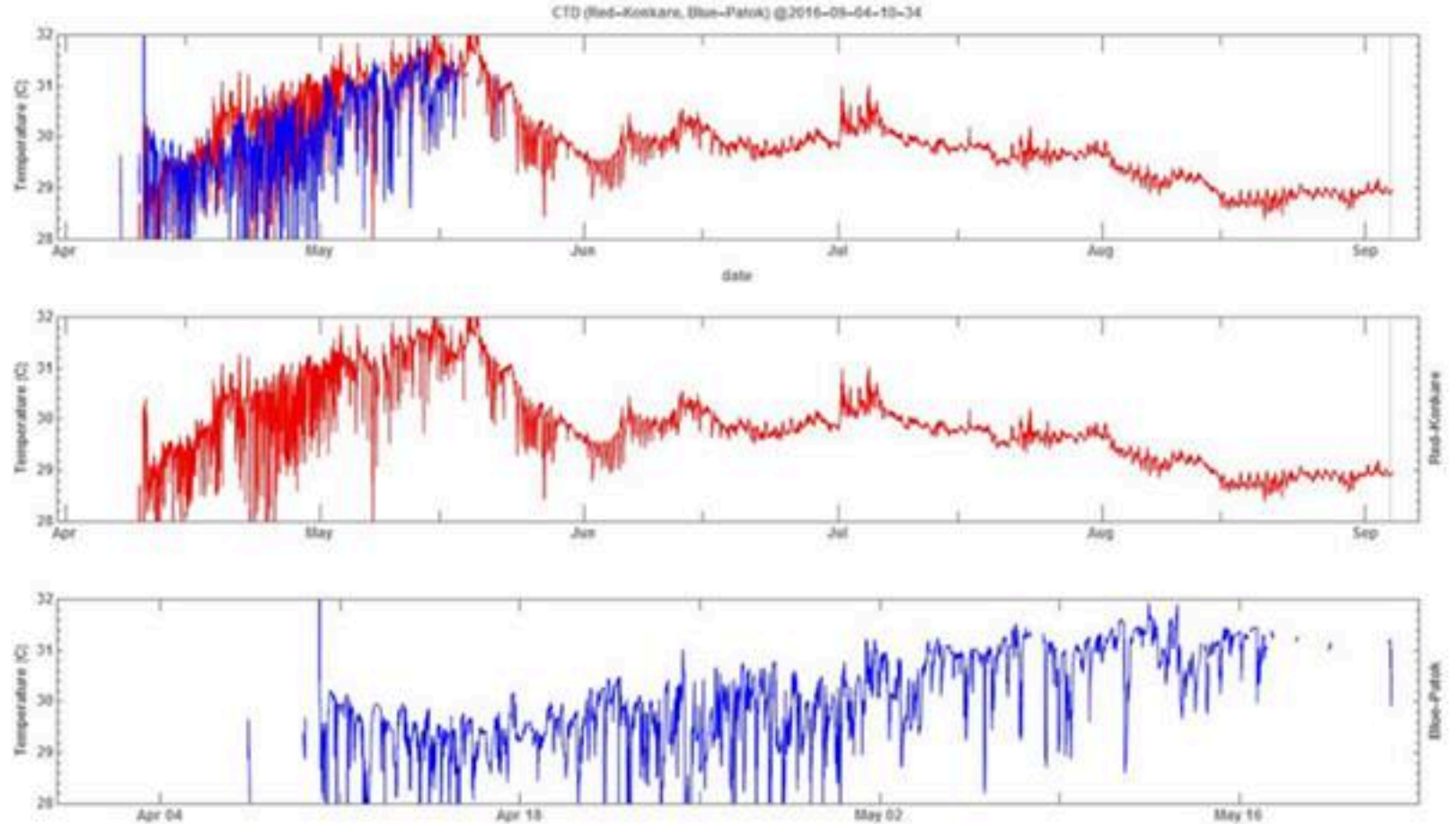


Big Data

Center of Excellence for Ecoinformatics, NECTEC-WU

[IoT, Big Data and Data Science products](#), Supported by NSTDA, Nikorn Marine, NECTEC and Walailak University

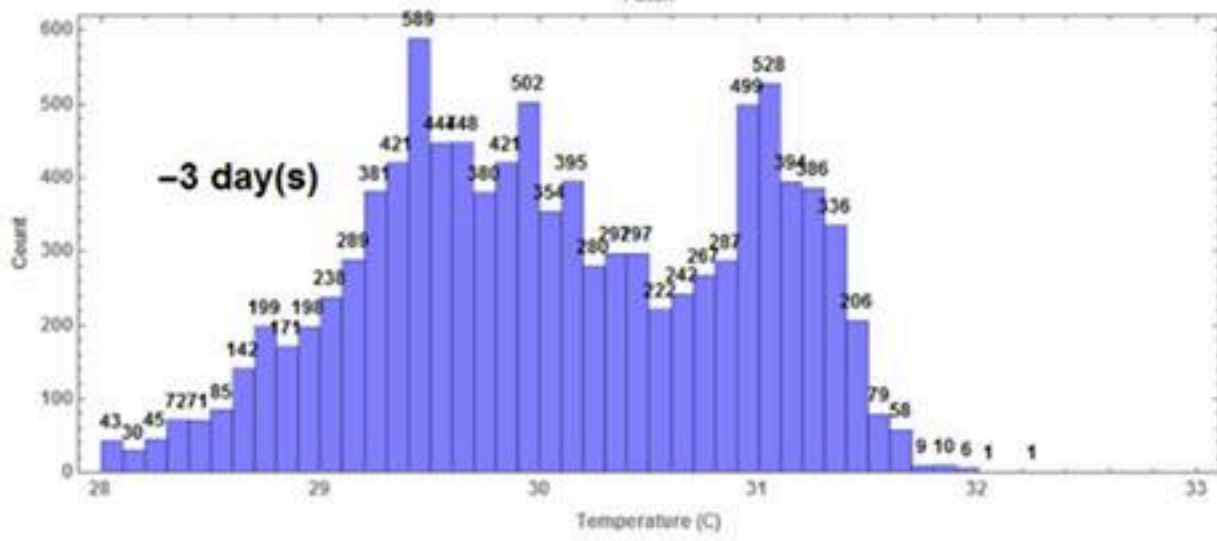
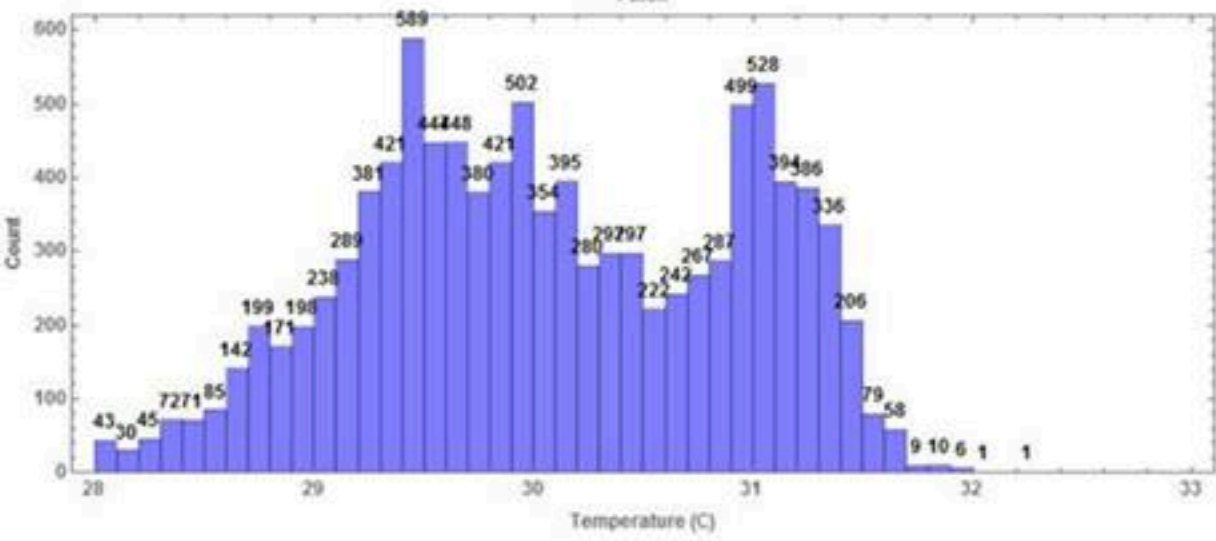
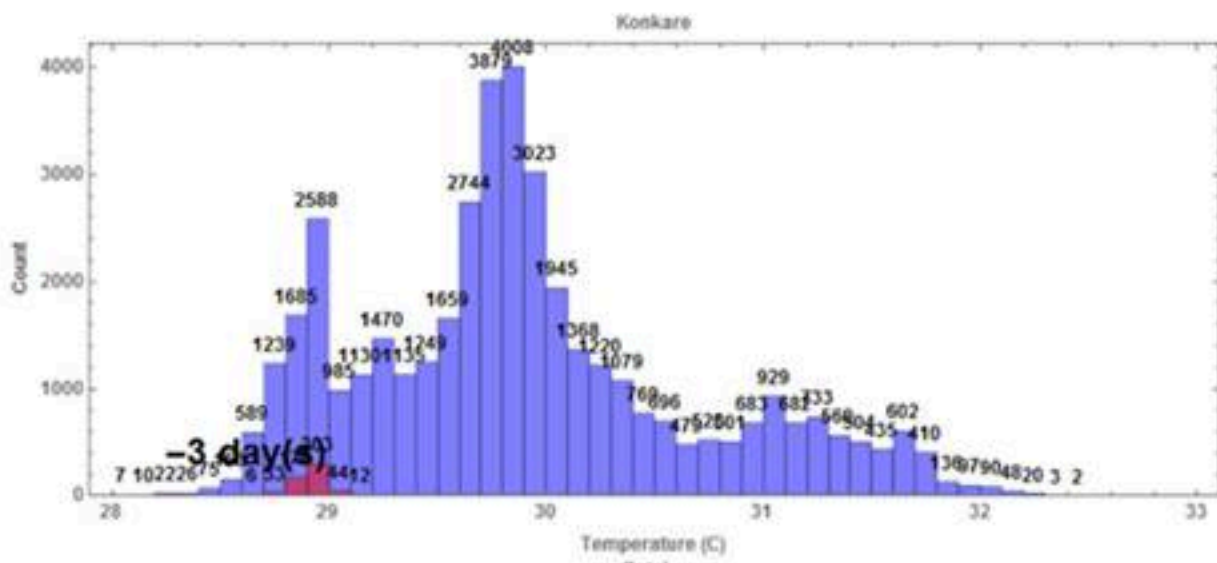
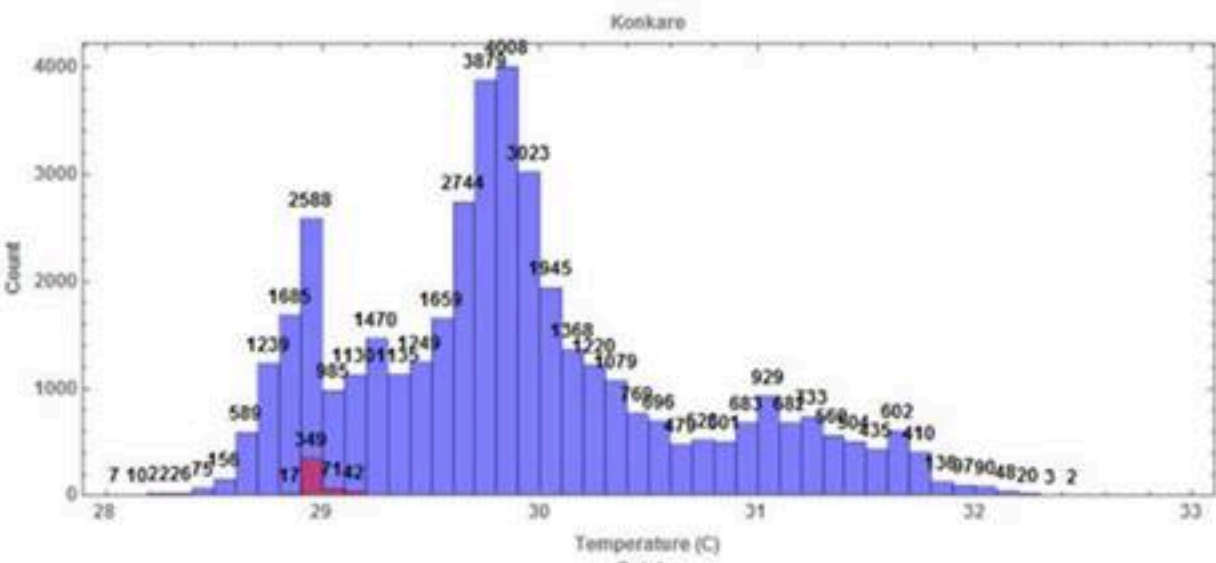
Temperature Time Series Visualization

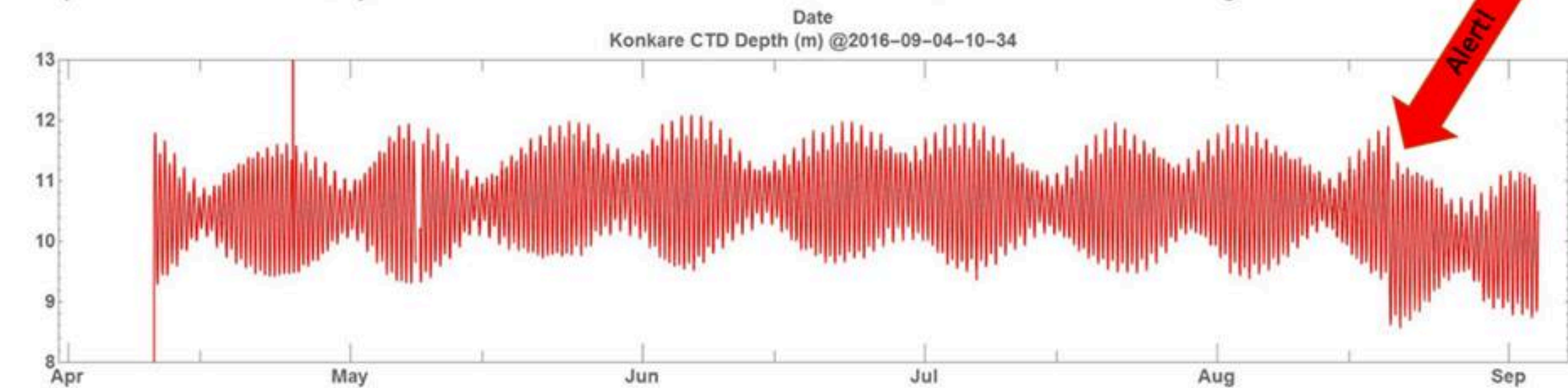
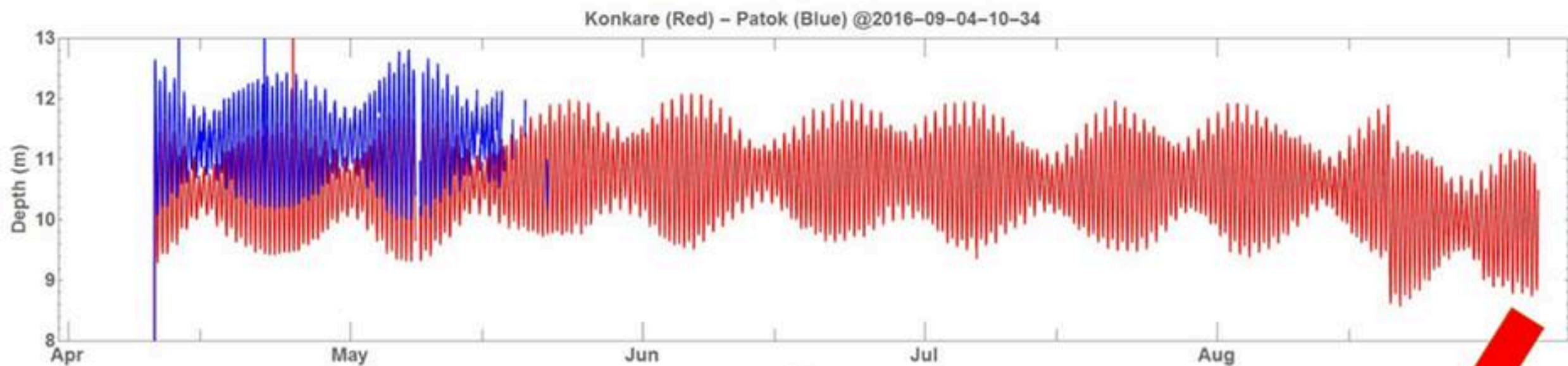


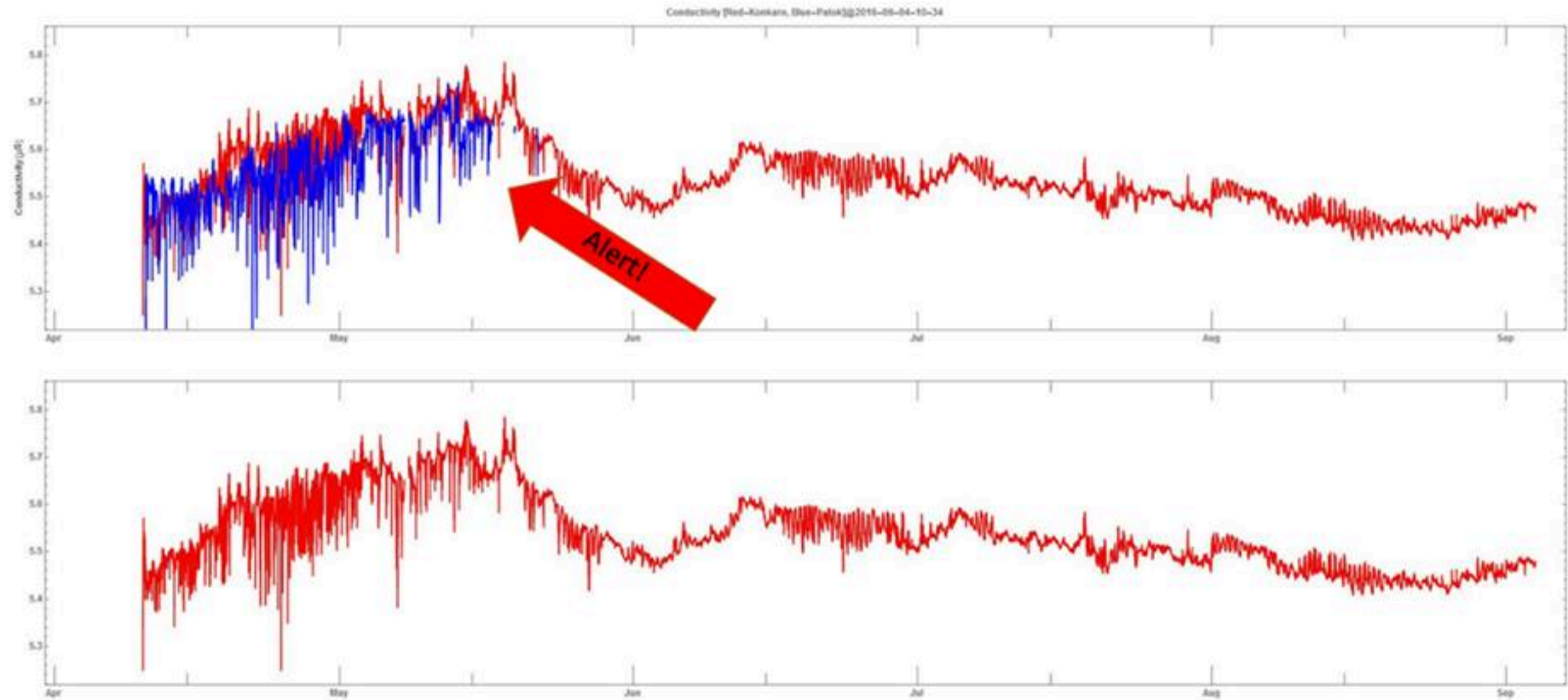
MH Analysis

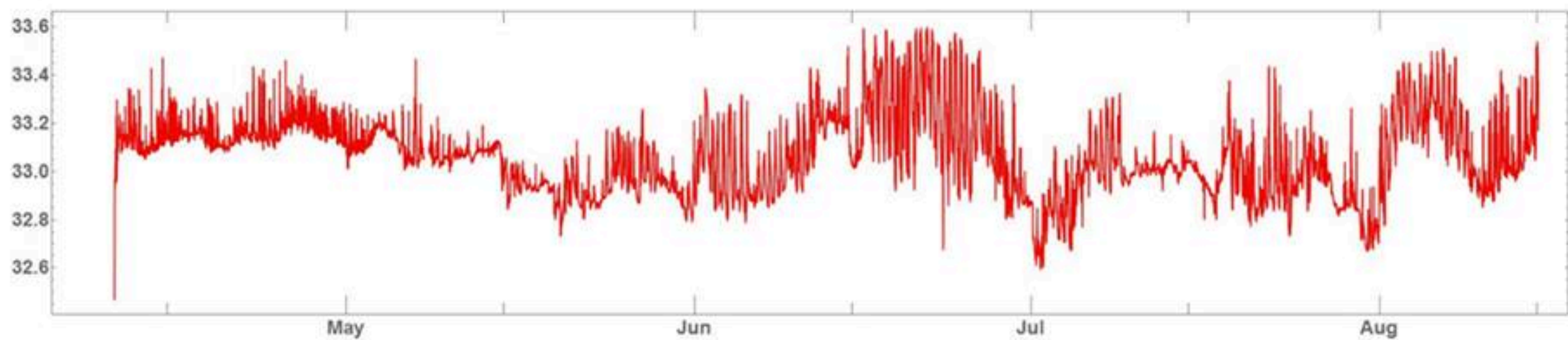
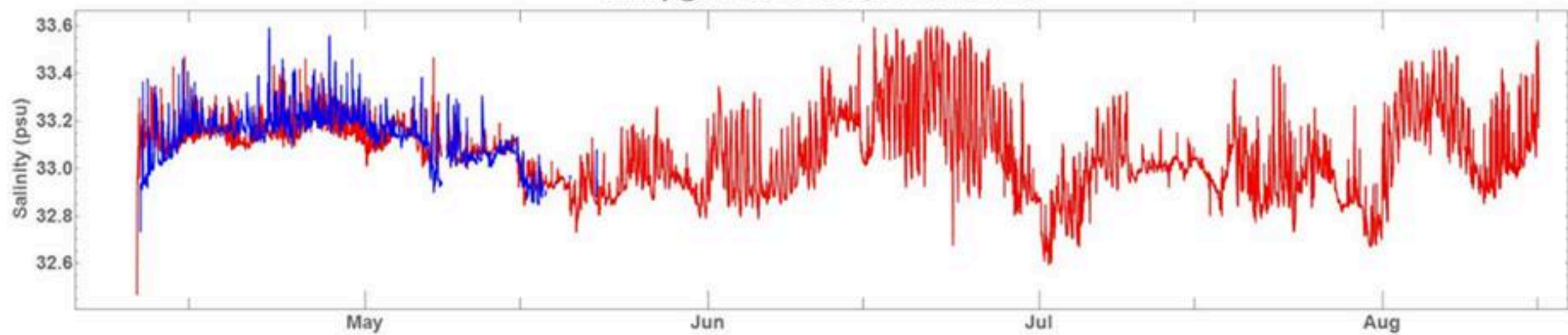
MH Analysis

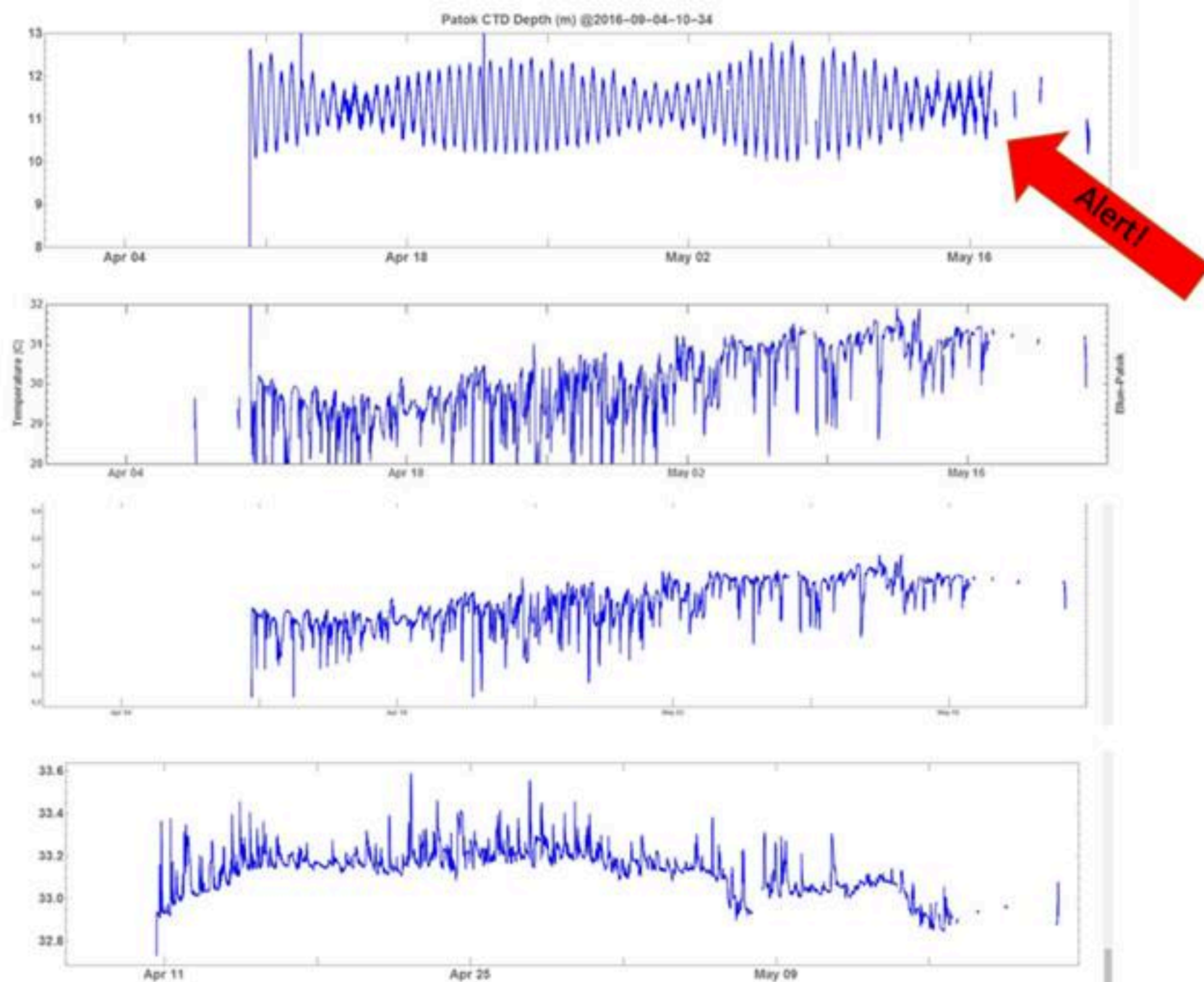
Red histogram indicates last 48 data location in last two week blue histogram.











Cloud Technology opens possibilities with ease!

- Sharing data from any local computer, sensor, camera, manual station, etc.
- Large amount of data requires in-time computation, Big data technology certainly helps.
- Dissemination of analysed data is also very easy with Cloud Technology than ever before.
- Science is certainly benefitted from all these technology!

New challenge! Even bigger data!

