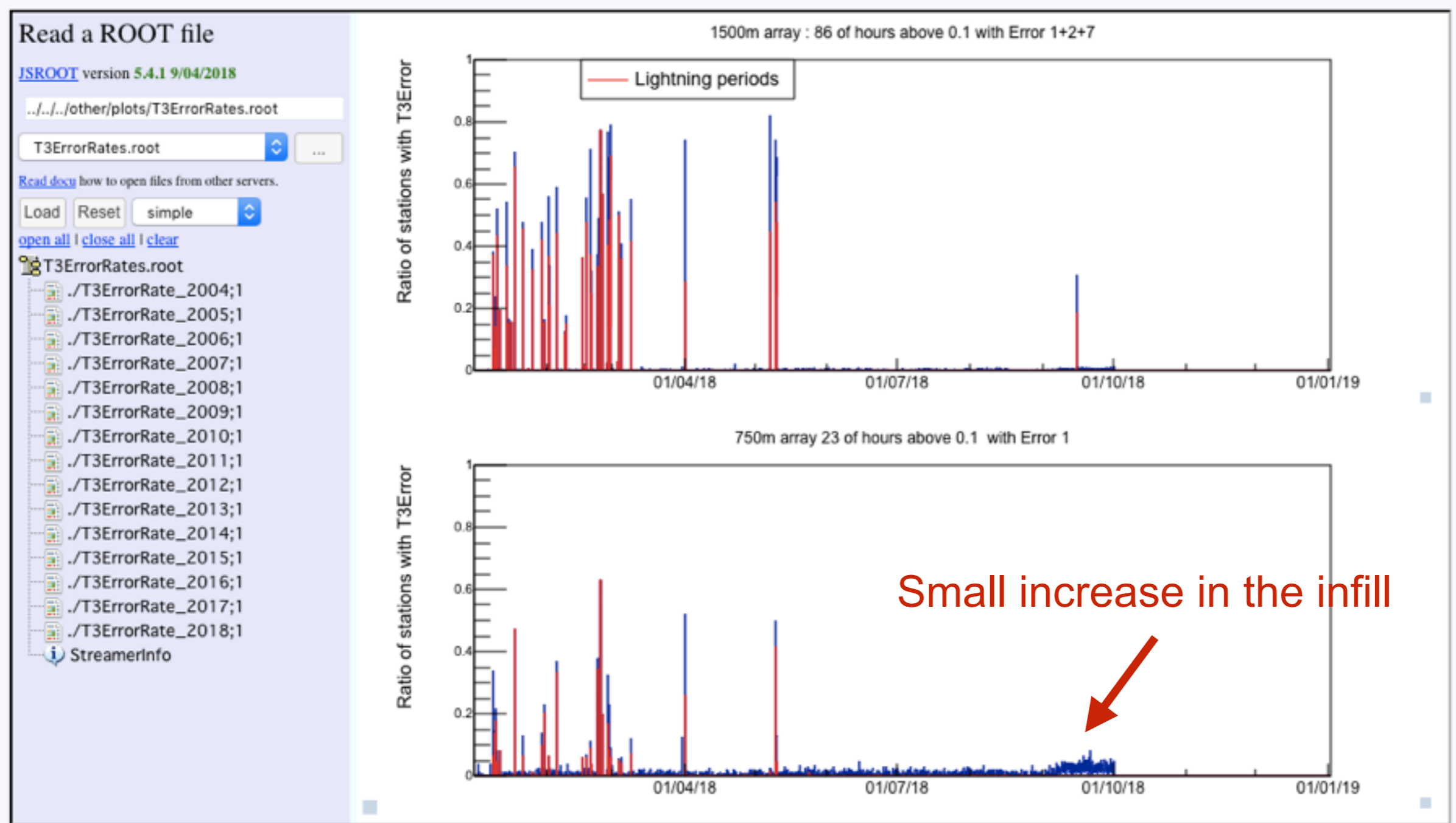


STRONG CONCERNS ABOUT T3 Errors

Isabelle Lhenry-Yvon , IPN Orsay

T3 Errors rate (hourly)

The Situation in November

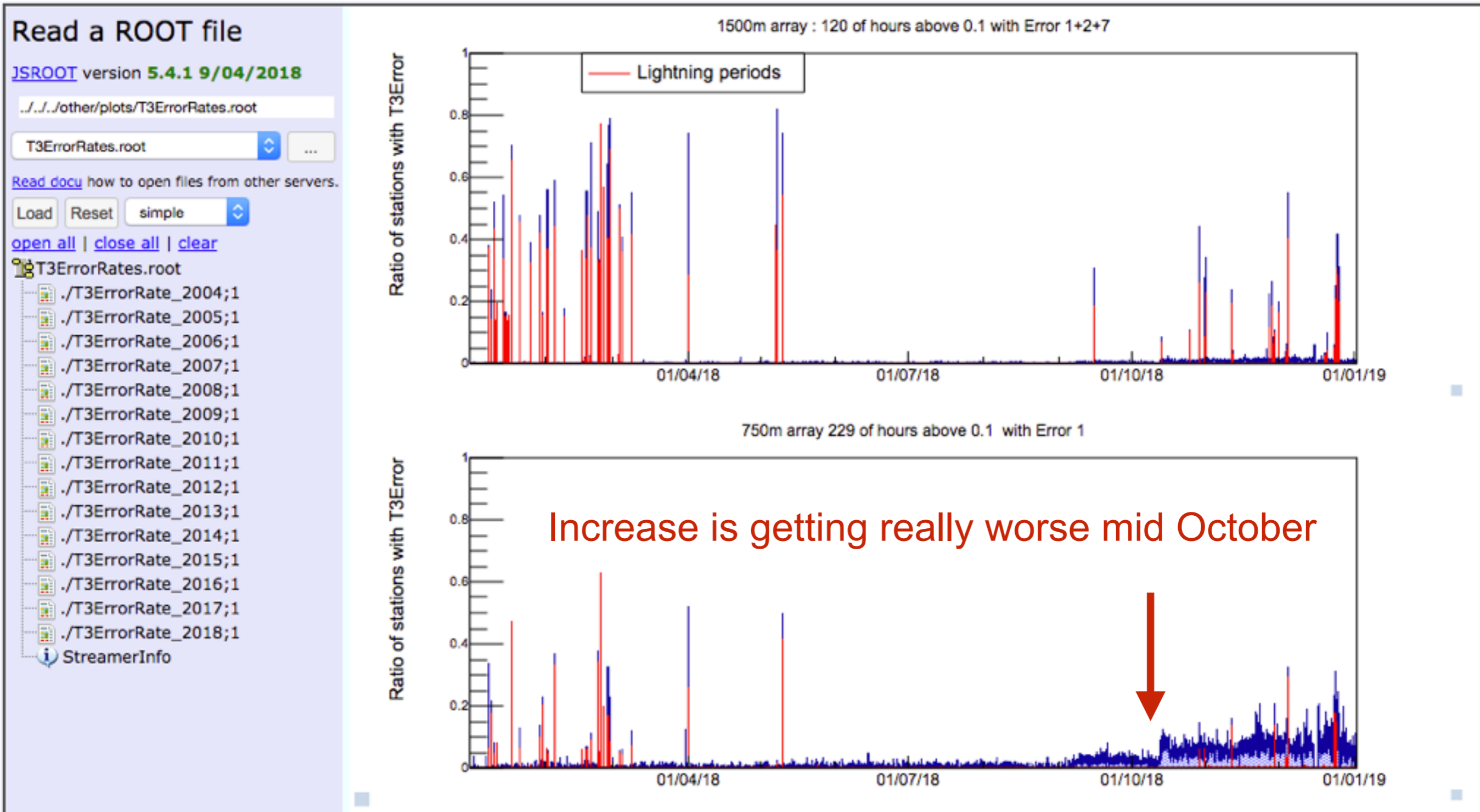


T3 Error rate : number of tanks in Error/all tanks

Above 10% the hours are declared as bad periods

T3 Errors rate (hourly)

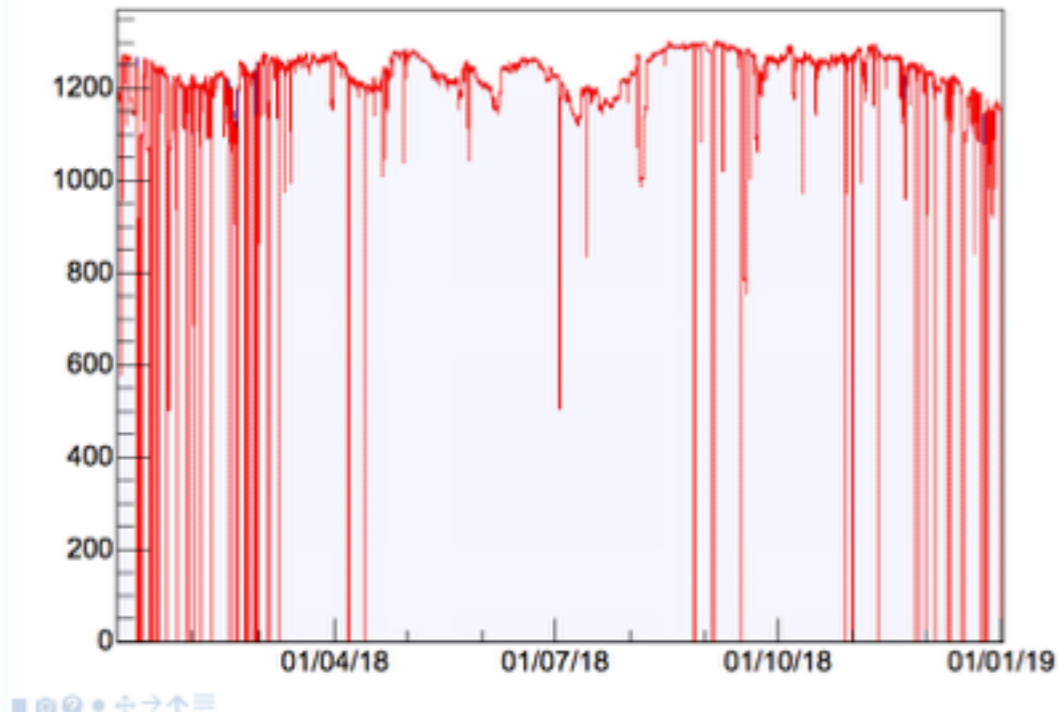
The Situation in at the end of 2018



HEXAGONS in 2018

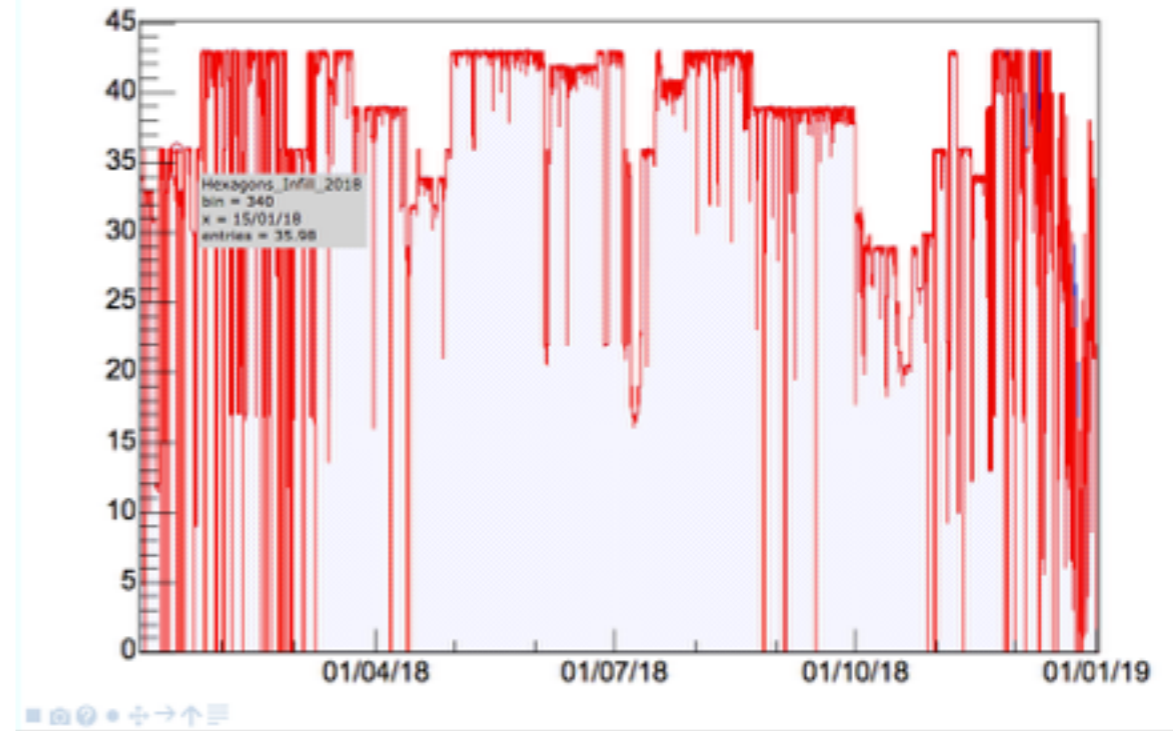
Full array

2018 (in red after bad periods cut)



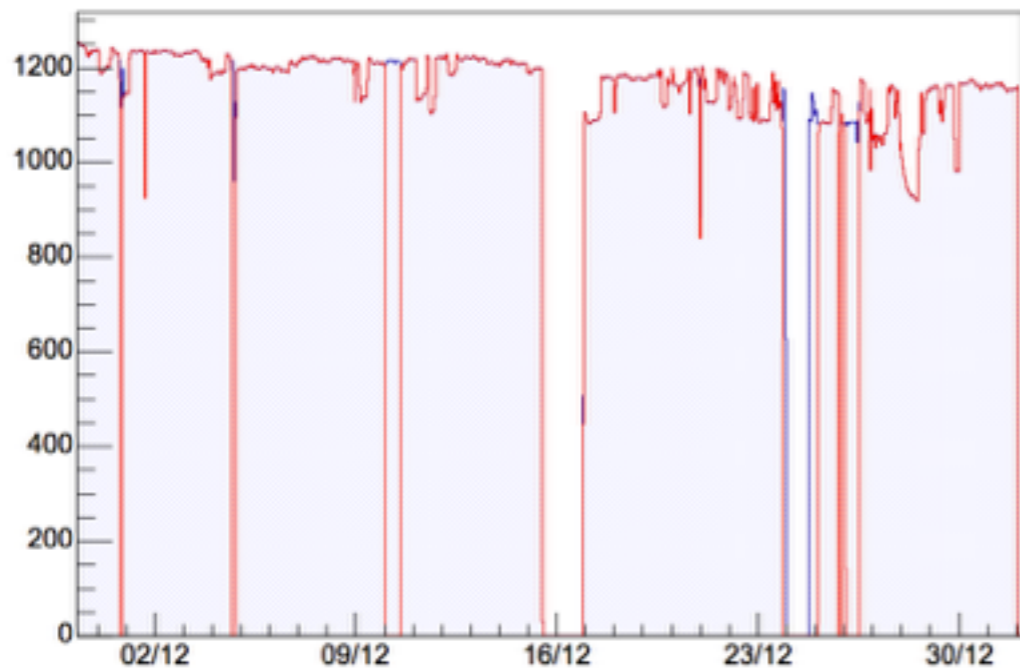
Infill

2018 in red after bad periods cut

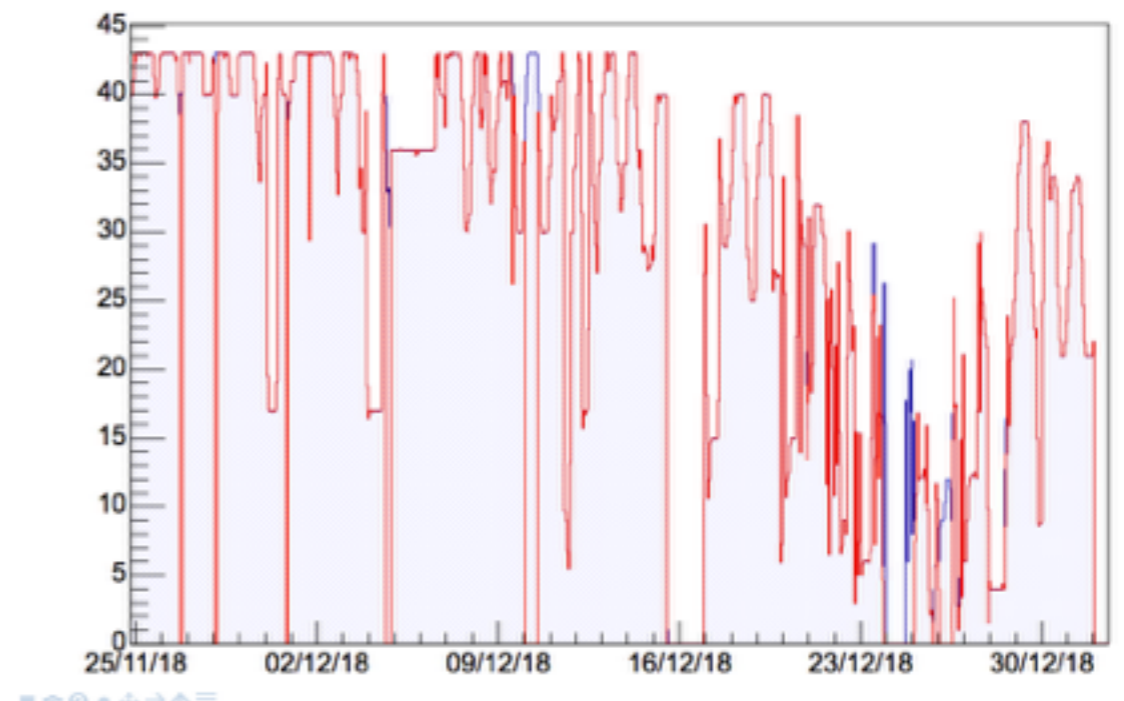


December 2018

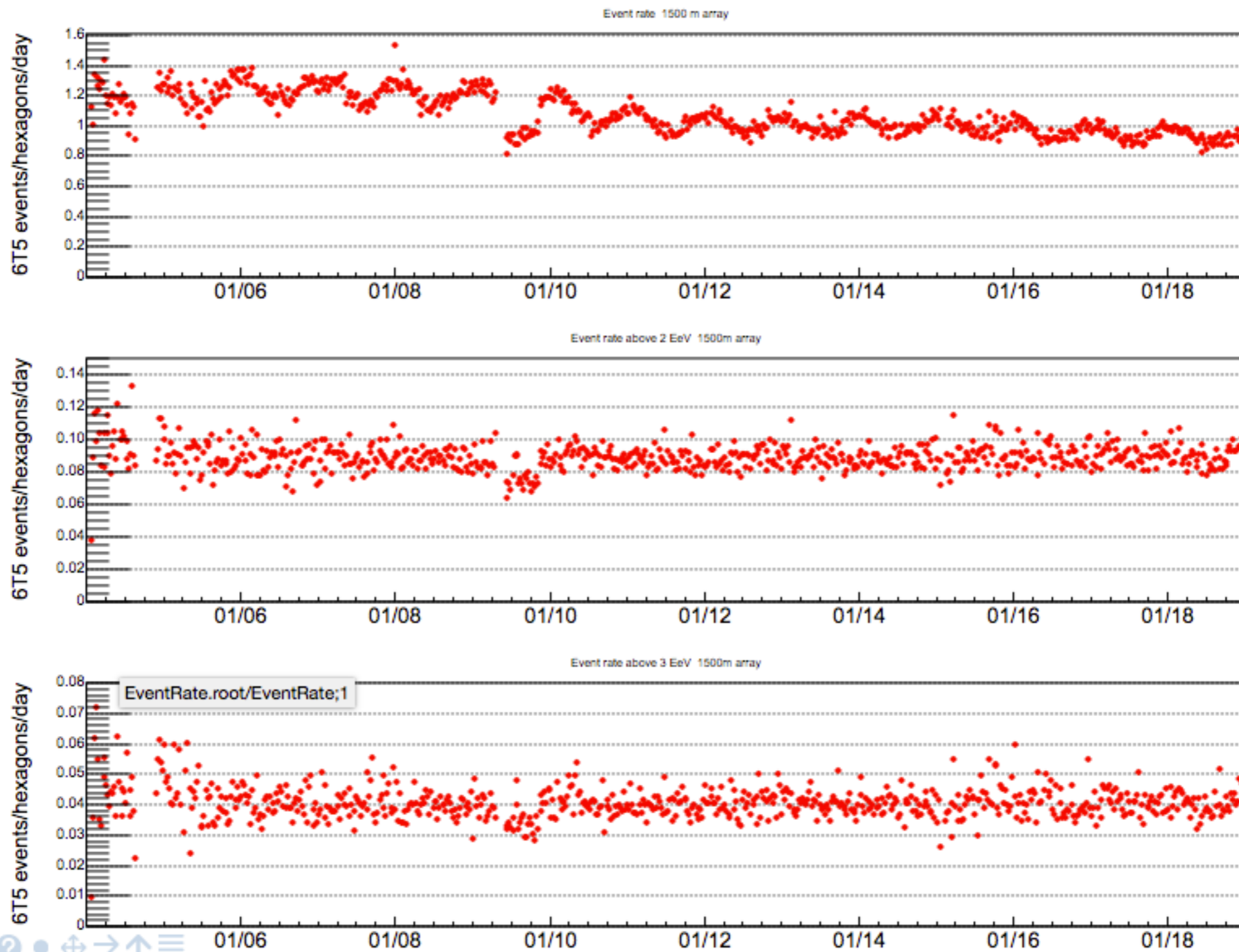
2018 (in red after bad periods cut)



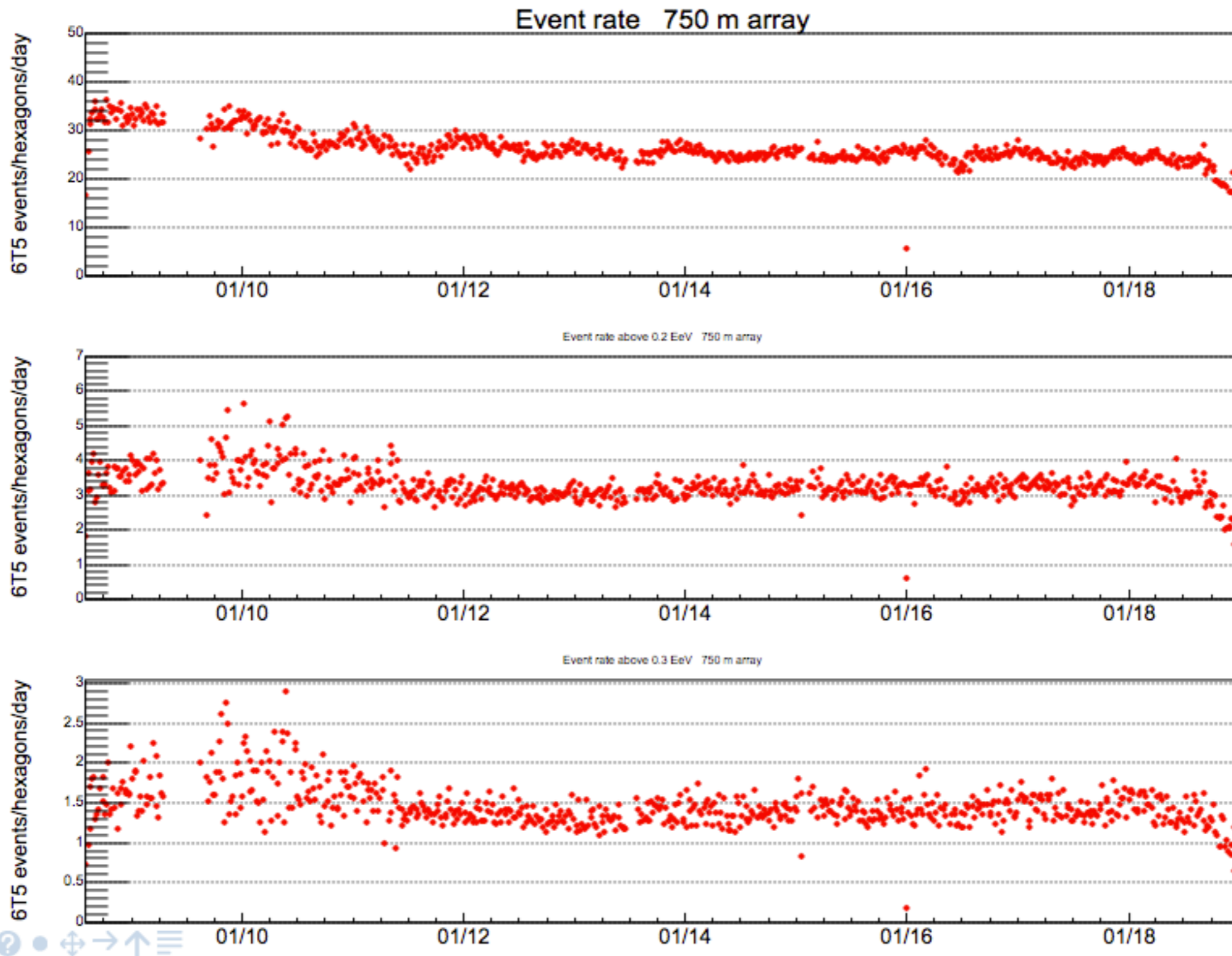
2018 in red after bad periods cut



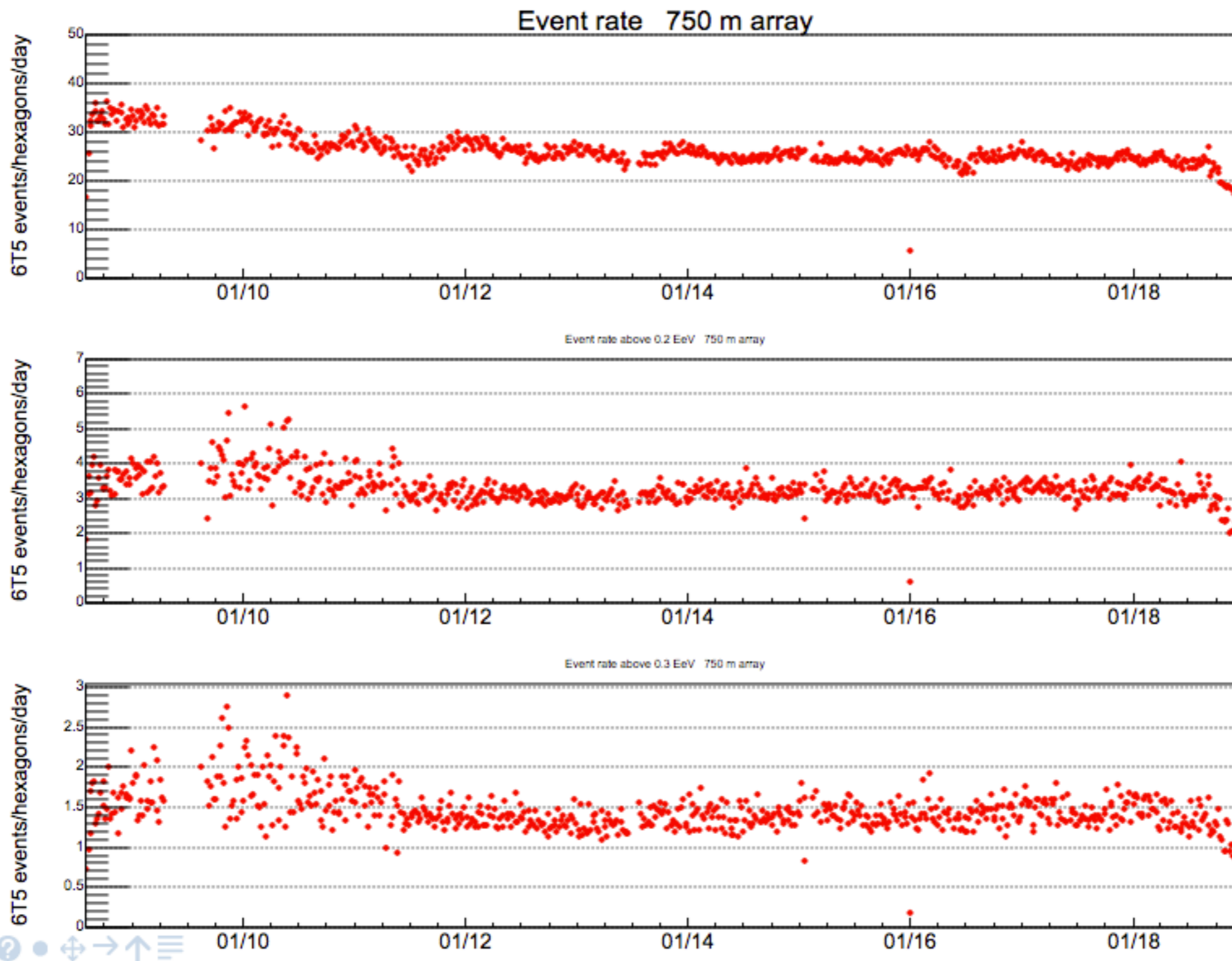
Event rate full array



Event rate infill array



Event rate infill array



SDSHIFTS FUTURE

WHY DOING A SD SHIFT ?


- A good opportunity to understand who the array is working and how data are build
- A good opportunity to use the monitoring tool MONI and help us to improve it.
- help us with your a new eye to make sure that the SD array is under control

WHAT IS STILL MISSING ?

- **Definition of the production of the SD shift (to be ready for first shift)**
 - Mails send to the relevant person in case of an anomaly detected.
 - A report will be produced at the end of the shift
 - A summary of the SD Shift could be send to the collaboration (should be very short and synthetic and give at a glance a « health report » of the array)
- **Checks of the PMTs**
 - Evolution of Quality cuts of PMT to keep under control
 - progress with Ricardo to see how to help him with PMTs.
- Check **the rate of events** in both arrays
- **Look on ED tat the highest energy events**
- Start **reactive check and commissioning** of the detectors as soon as they are modified
- **Any other materiel provided by task leaders.**

SIGN for SD SHIFTS !

First sign
the
institute

Developed at  **SD SHIFT MANAGER** 

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SIGNING FOR A SD SHIFT

France: Univ. Grenoble Alpes, CNRS, Grenoble Institute of Engineering Univ. Grenoble Alpes, LPSC-IN2P3, 38000 Grenoble

- Australia: University of Adelaide
- Belgium: Université Libre de Bruxelles (ULB)
- Brazil: Centro Brasileiro de Pesquisas Físicas (CBPF)
- Brazil: Universidade de São Paulo, Escola de Engenharia de Lorena
- Brazil: Universidade de São Paulo, Inst. de Física de São Carlos, Matildeus Carlos
- Brazil: Universidade de São Paulo, Inst. de Física, São Paulo
- Brazil: Universidade Estadual de Campinas (UNICAMP)
- Brazil: Universidade Estadual de Feira de Santana (UEFS)
- Brazil: Universidade Federal do ABC (UFABC)
- Brazil: Universidade Federal do Paraná, Setor Palotina
- Brazil: Universidade Federal do Rio de Janeiro (UFRJ), Instituto de Física
- Brazil: Universidade Federal do Rio de Janeiro (UFRJ), Observatório do Valongo
- Brazil: Universidade Federal Fluminense
- Colombia: Universidad Industrial de Santander**
- Czech Republic: Charles University, Institute of Particle & Nuclear Physics, Faculty of Mathematics and Physics
- Czech Republic: Institute of Physics of the Czech Academy of Sciences, Czech Republic
- Czech Republic: Palacký University, RCPPTM, Olomouc
- France: Institut de Physique Nucléaire d'Orsay (IPNO), Université Paris-Sud, Univ. Paris/Saclay, CNRS-IN2P3
- France: Laboratoire de Physique Nucléaire et de Hautes Energies (LPNHE), Université Paris 6 et Paris 7, CNRS- IN2P3
- ✓ France: Univ. Grenoble Alpes, CNRS, Grenoble Institute of Engineering Univ. Grenoble Alpes, LPSC-IN2P3, 38000 Grenoble

Then add
the shifters

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ADD A SHIFTER

Information about the shifter:

Firstname:

Lastname:

Email address:

Confirm the email address:

Do you already have an account at CCIN2P3?

Yes

No

ADD HIM TO THE SD SHIFT