

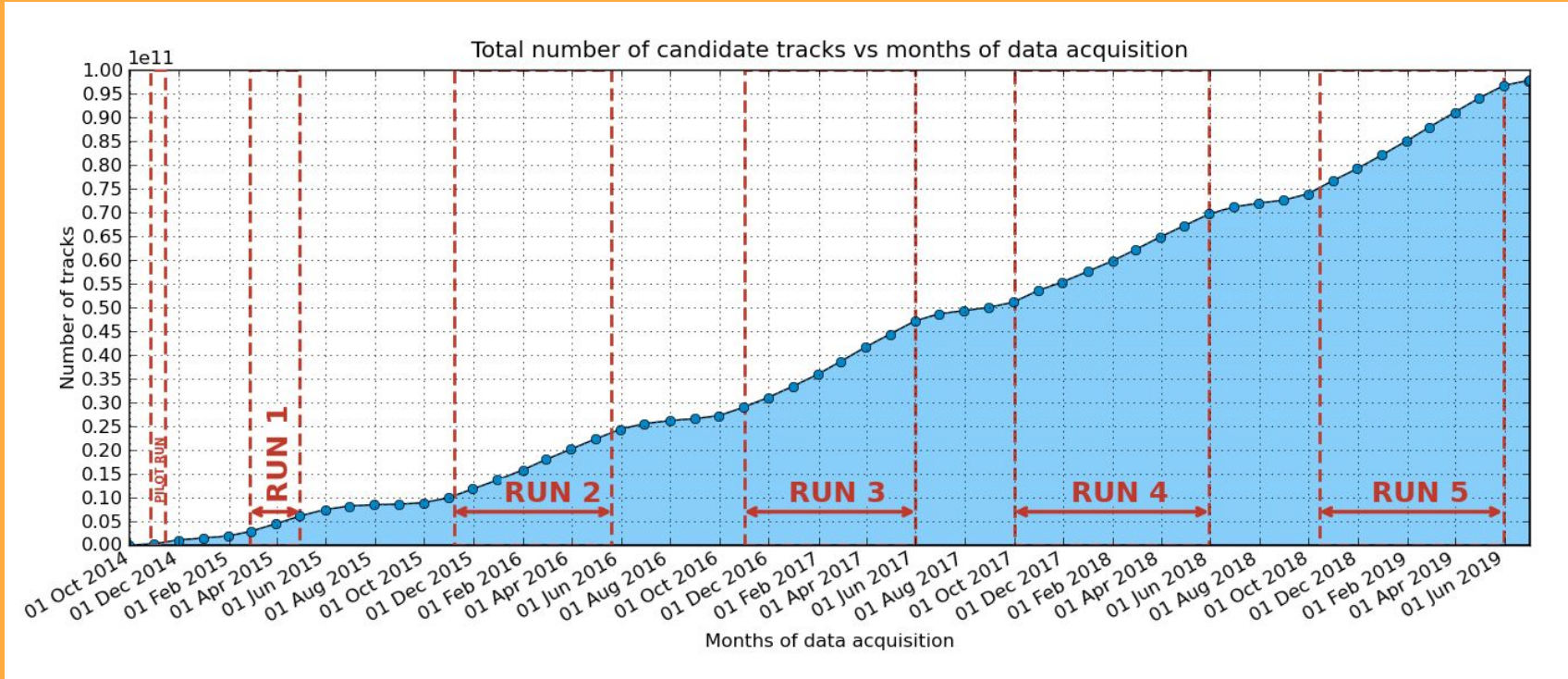
Update from Run Coordination

Fabrizio Coccetti
4 July 2019



**A new
Telescope
at
Centro
Fermi**

Data taking



The network of the EEE telescopes acquired
~ **97 billions** muons since 1/Oct/2014

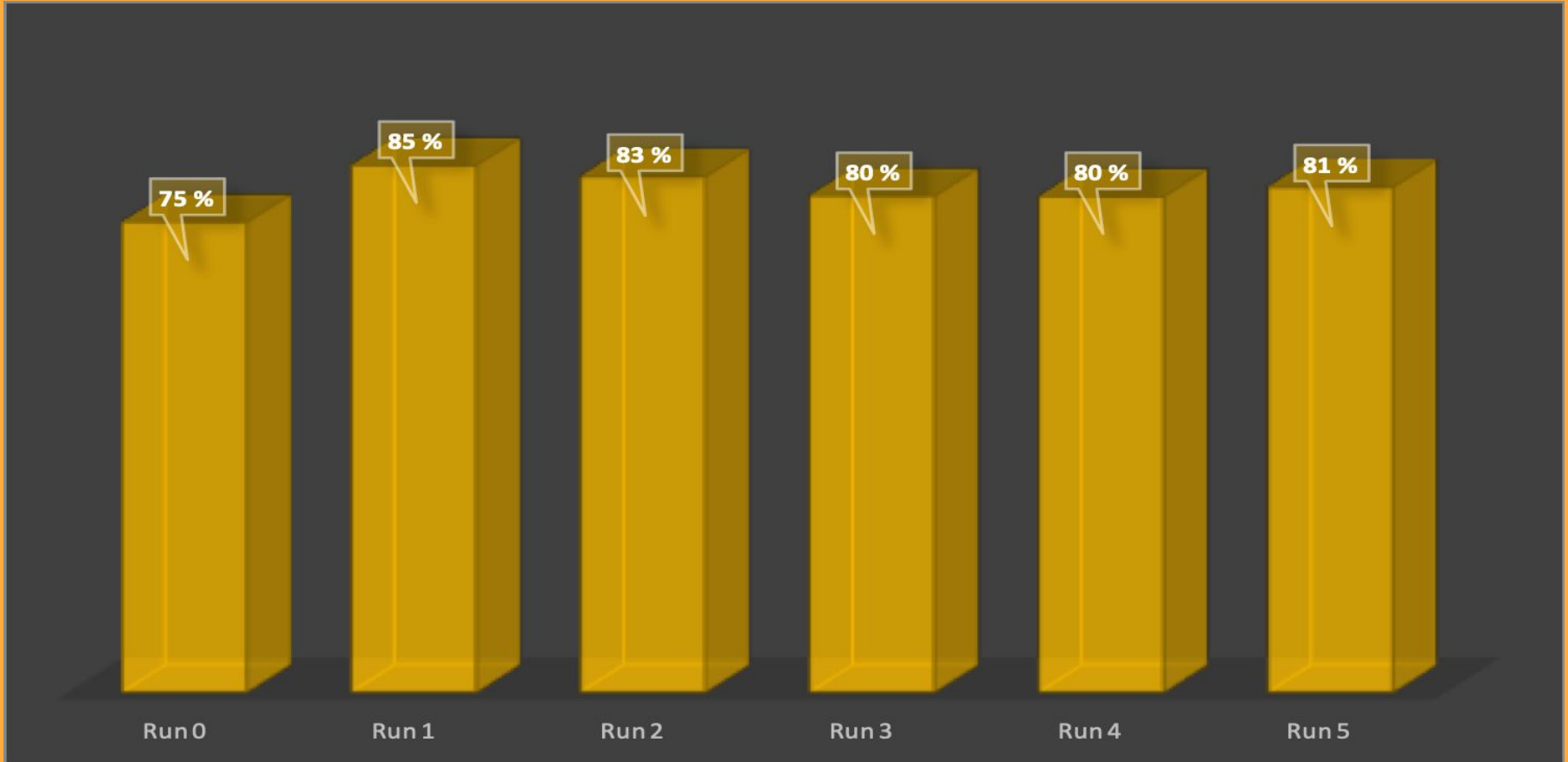
Days of data taking

Days of Data Taking

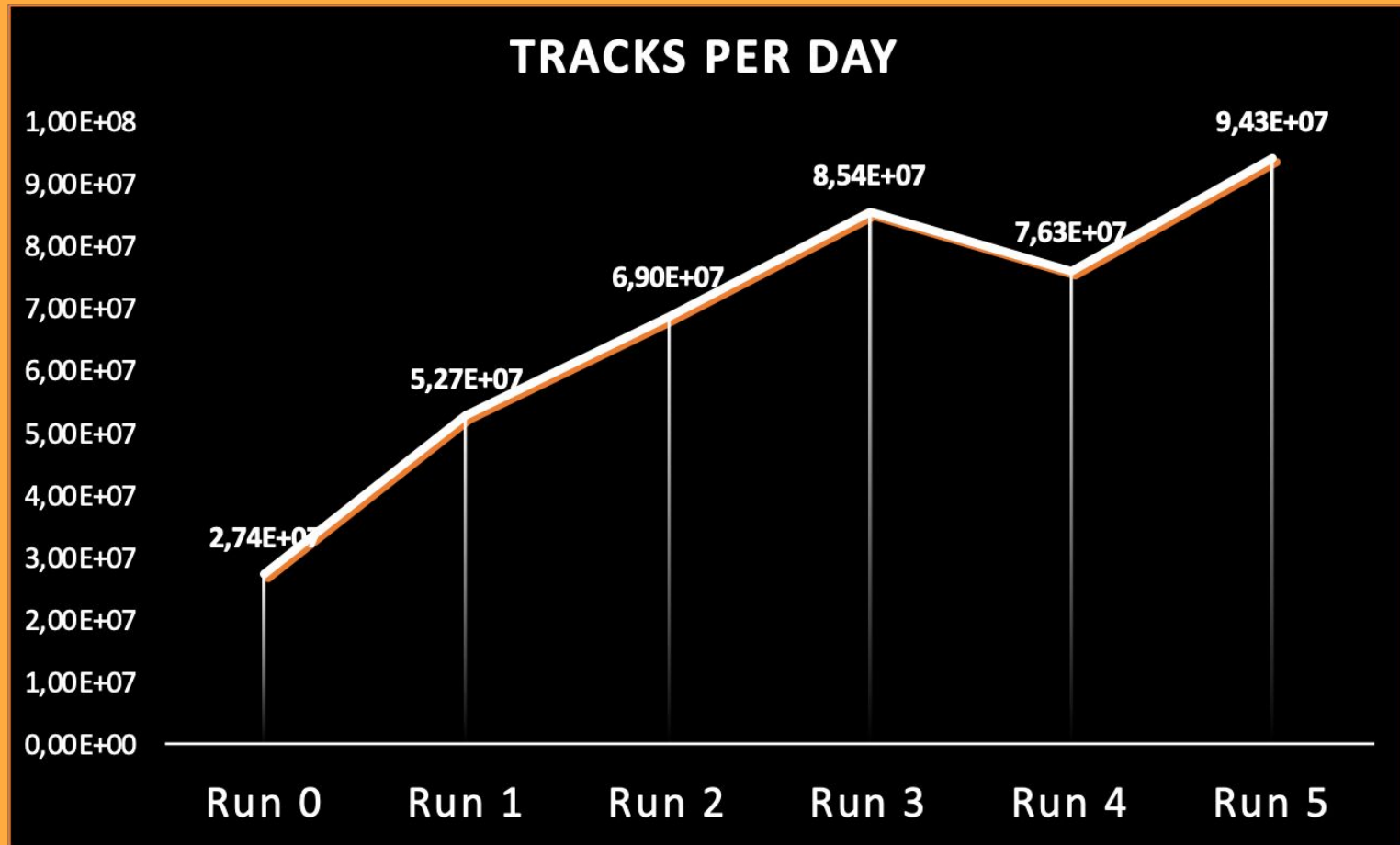


Total number of days of data taking during Runs at the end of RUN 5: **741**

candidate_tracks / triggers



**Tracks
per
day**



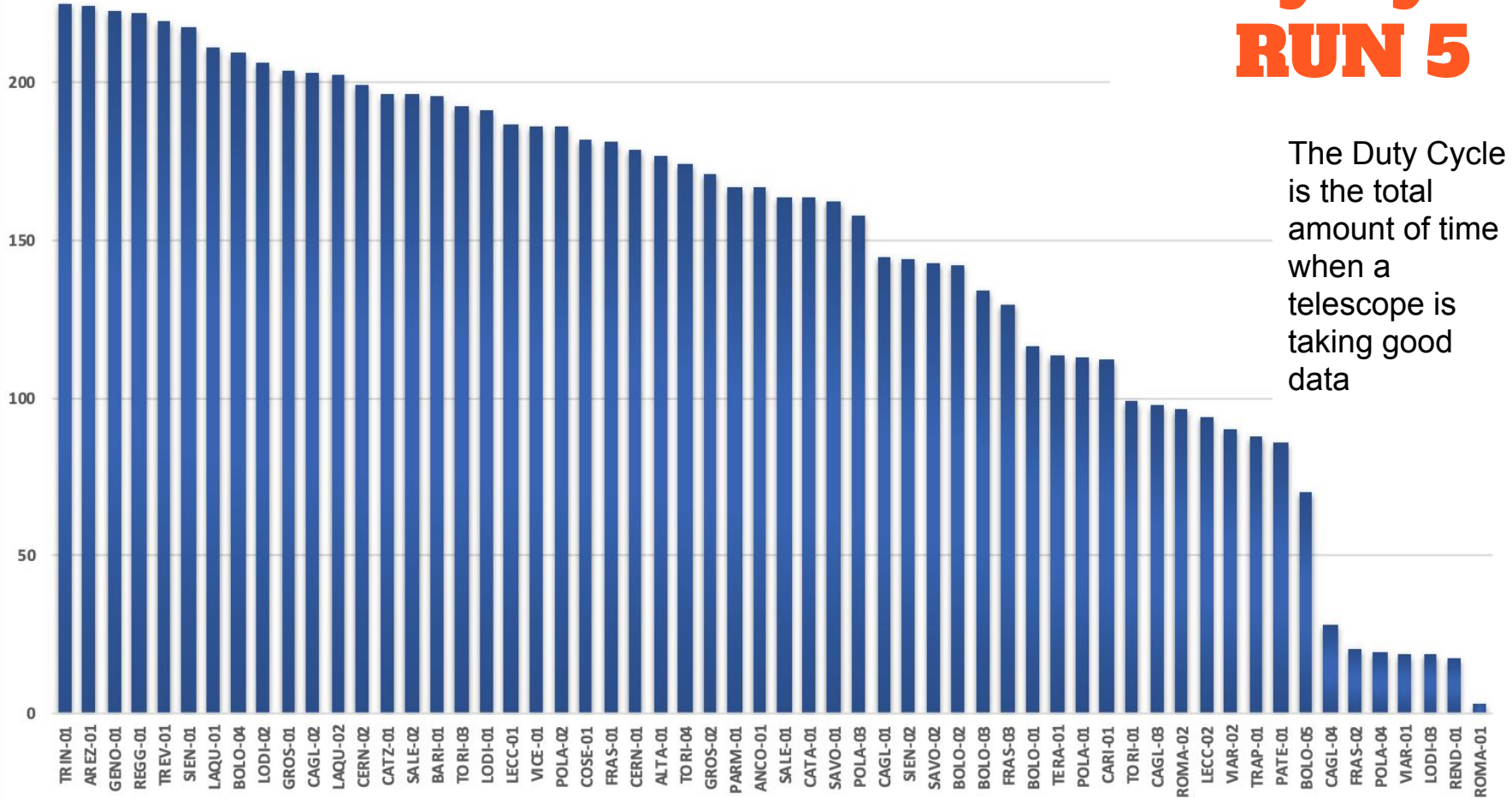
RUN 5: the EEE telescope network detects more than **94 million muons per day**

**The Task Force
will be enforced**

Duty Cycle (days)

Duty Cycle RUN 5

The Duty Cycle is the total amount of time when a telescope is taking good data



Super Summary For Run 5

RUN 5: Summary for Candidate Muons, Triggers, Duty Cycle, Total Time of Acquisition



MUSEO
STORICO DELLA FISICA
E
CENTRO
STUDI E RICERCHE
ENRICO FERMI

Progetto Extreme Energy Events - La Scienza nelle Scuole

EEE MONITOR - DQM

[Official address: <http://eee.centrofermi.it/monitor>]

Ultimo aggiornamento: ore 01:28 - mercoledì 05 giugno 2019 [by e3monitor]

[EEE Monitor] RUN 5: October 15, 2018 - May 31, 2019

[EEE Monitor] RUN 5 is over

[EEE Monitor] RUN 6 will begin in autumn 2019

Total number of candidate tracks ($X^2 < 10$) in the database: 96922355413

[SCHOOLS ELOGBOOK for RUN 5](#)

[Telescope ELOGBOOK](#)

[EEE Tech Coord](#)

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[Run 5 SuperSummary](#)

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[Coincidences](#)

[Connectivity Report](#)

[Data Request](#)

Tweets by @cen



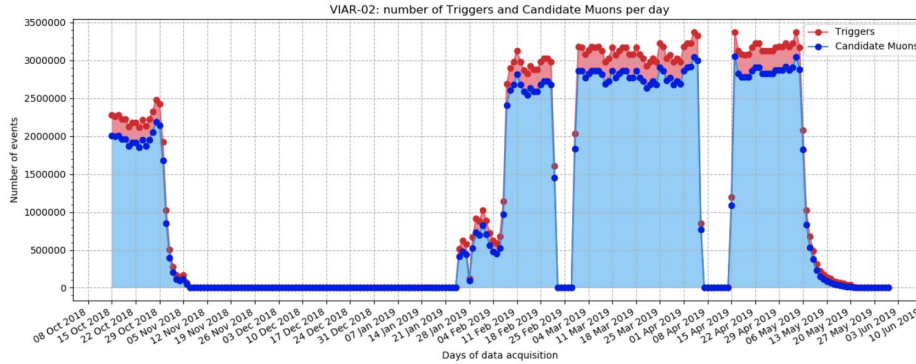
Centro Fermi

@centrofermi

Dalla barca #Nanuq a
#NyAlesund, #POLA è
grazie alla missione #I
@Polarquest2018 @C
#EEENyAlesund #Diri



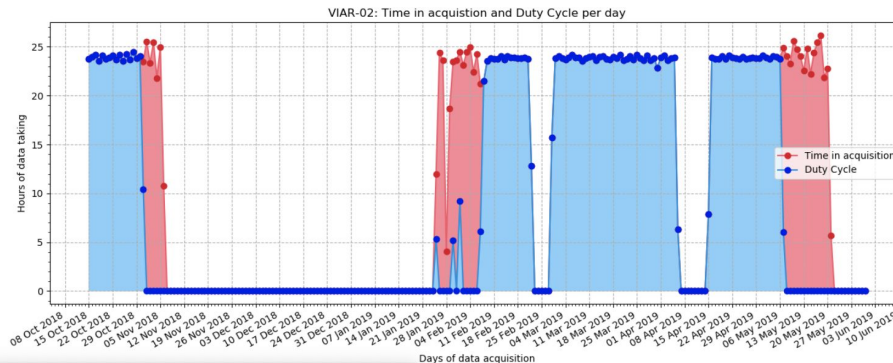
VIAR-02



- **Triggers** are the number of events that an EEE Telescope detected on each day of the Run
- **Candidate Muons** are the number of events with good tracks (defined by $X^2 < 10$) that an EEE Telescope detected on each day of the Run

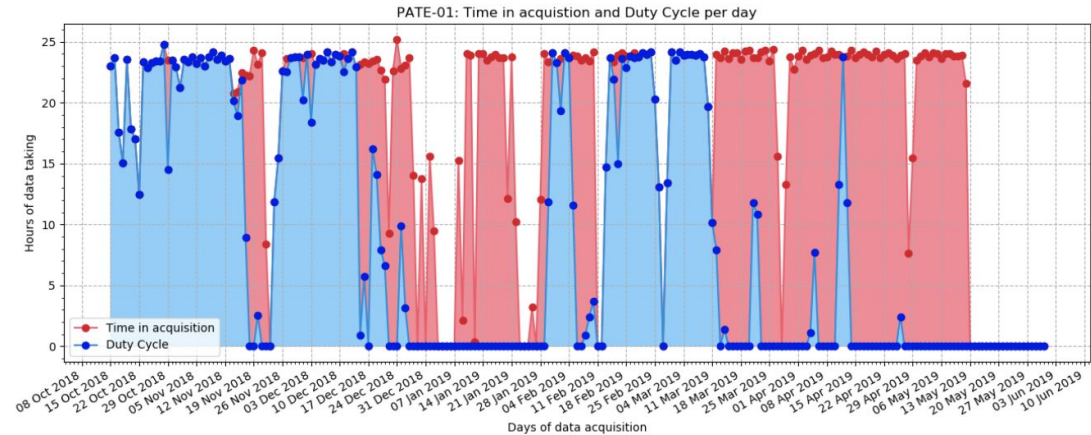
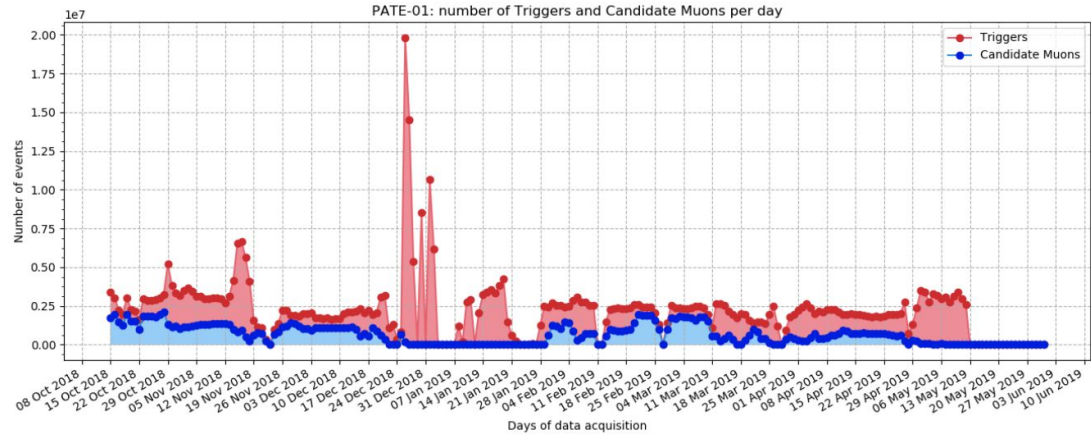
- **Time of acquisition** is the amount of time when an EEE Telescope acquired data on each day of the Run

- **Duty Cycle** is the amount of time when an EEE Telescope acquired data with reasonable DQM values (i.e. $10 \text{ Hz} < \text{Track rate} < 80 \text{ Hz}$) on each day of the Run



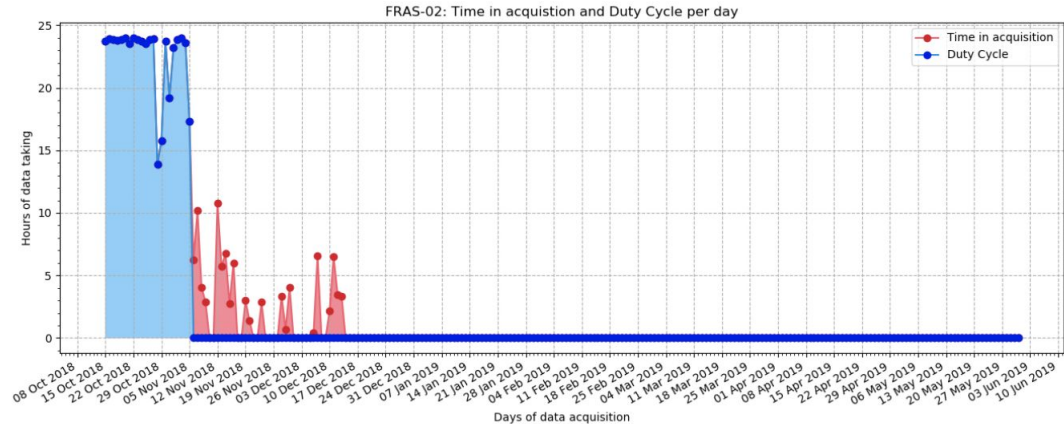
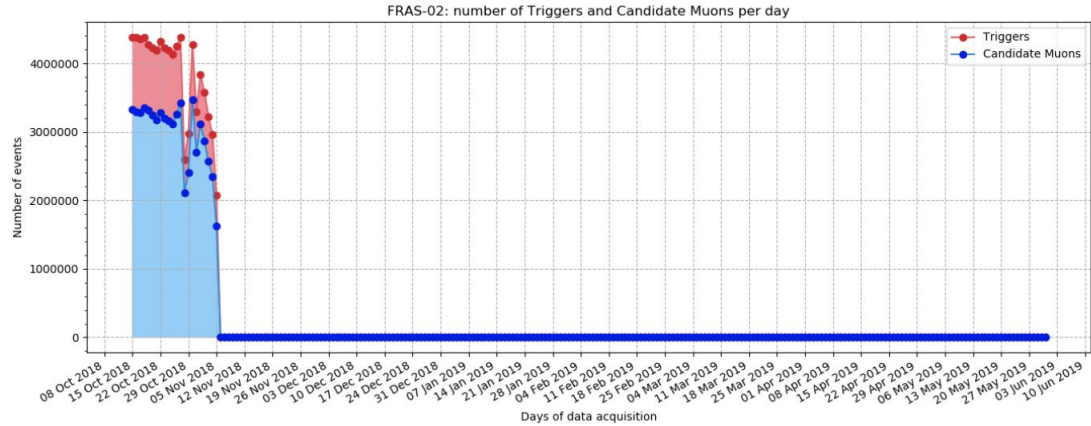
PATE-01

Task Force
help required:
unresolved
noise problems



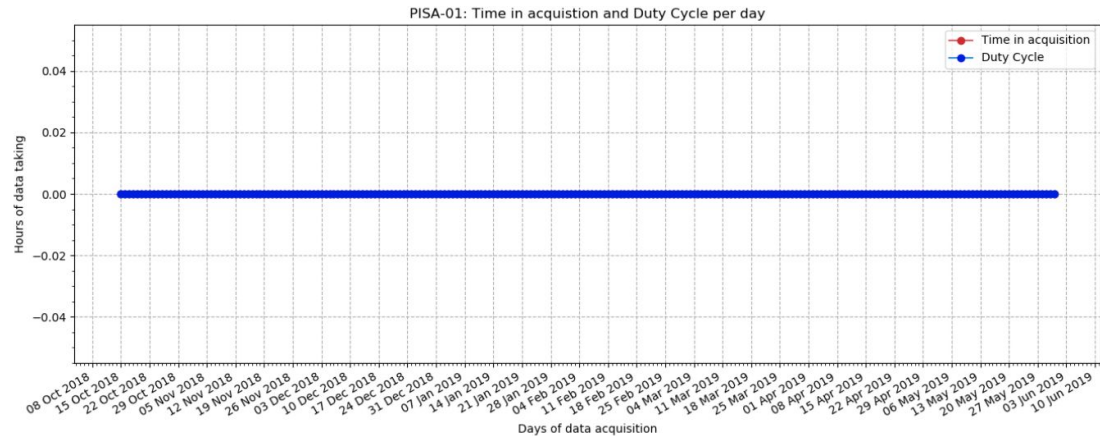
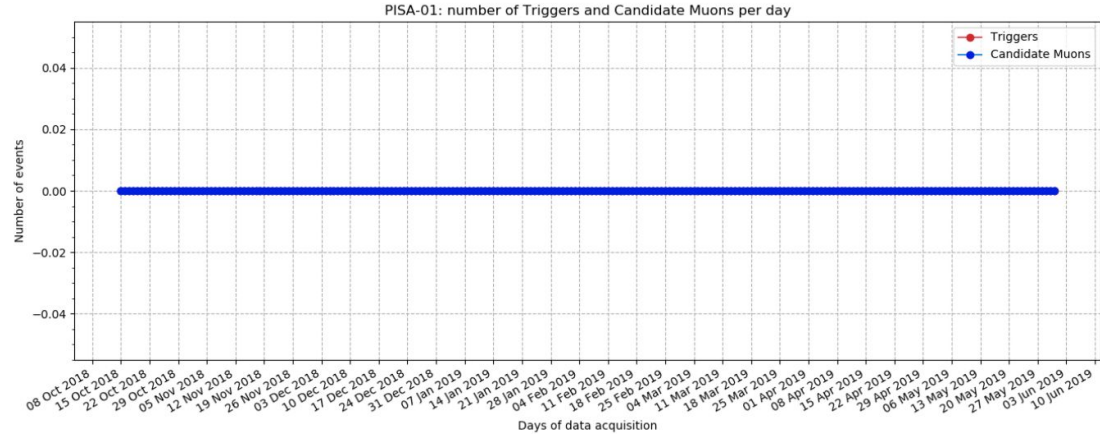
FRAS-02

Task Force
help required:
problem with
the gas system,
apparently due
to the mixer.



PISA-01

Not always the
Task Force is
the solution



New E-log Book for the HW of the Telescopes



Progetto Extreme Energy Events - La Scienza nelle Scuole

EEE MONITOR - DQM

[Official address: <http://eee.centrofermi.it/monitor/>]

Ultimo aggiornamento: ore 21:42 - martedì 04 giugno 2019 [by e3monitor]

[EEE Monitor] RUN 5: October 15, 2018 - May 31, 2019

[EEE Monitor] RUN 5 - Data Taking - Day number: 233

Total number of candidate tracks ($X^2 < 10$) in the database: 96911189108

SCHOOLS ELOGBOOK for RUN 5

Telescope ELOGBOOK

EEE Tech Coord

Set Automatic Shift REPORT Messages

Automatic Shift Report ARCHIVE

Home Page EEE

Masterclass

Download the Excel Sheet

Coincidences

Connectivity Report

Data Request

La tabella qui sotto mostra la situazione dei telescopi in acquisizione:

In **verde** sono indicati i telescopi in presa dati e trasferimento nelle ultime 3 ore e con parametri di acquisizione ragionevoli nell'ultimo run analizzato.

In **giallo** sono indicati i telescopi in cui trasferimento e/o acquisizione sono sospesi da più di 3 ore o con tracce ($X^2 < 10$) minori di 10 Hz nell'ultimo run analizzato.

In **rosso** sono indicati i telescopi in cui trasferimento e/o acquisizione sono sospesi da più di due giorni o con tracce ($X^2 < 10$) minori di 5Hz nell'ultimo run analizzato.

Tweets by



Centro
@centrofermi

Dalla barca #N
#NyAlesund, #
grazie alla mis:
@Polarquest21
#EEENyAlesur



Embed

Keep trace of the changes of the hardware of the Telescopes

Elog for changes in the Telescopes

Submit Preview Back

Entry time: Tue 04/06/2019 21:53:05

Telescope_ID:
Choose the name of your EEE Telescope

Change:
Choose what you changed

Notes (if you have)

Style Format Font

- ✓ - please select -
- Bridge Card
- Cables: Amphenol
- Cables: OR
- Cables: Others
- Chamber 1
- Chamber 2
- Chamber 3
- Computer
- Crate
- DC-DC Converter
- FEA
- GAS bottle FREON
- GAS bottle SF6
- GAS Mixer
- GPS
- Power Adapter
- TDC 128
- TDC 64
- Trigger Card
- Weather Station
- OTHER (please specify below)

1. Chose the Telescope_ID
2. Chose the HW Change