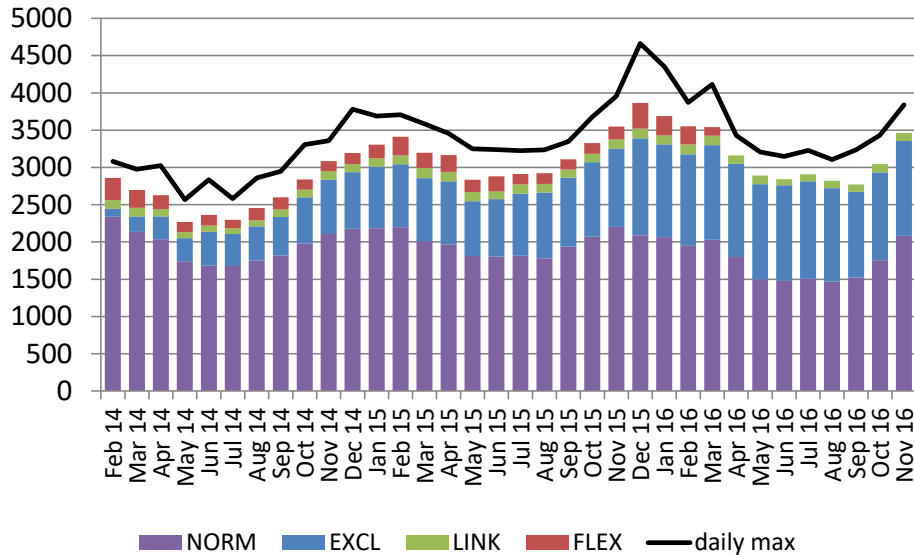# Euphemia Performance

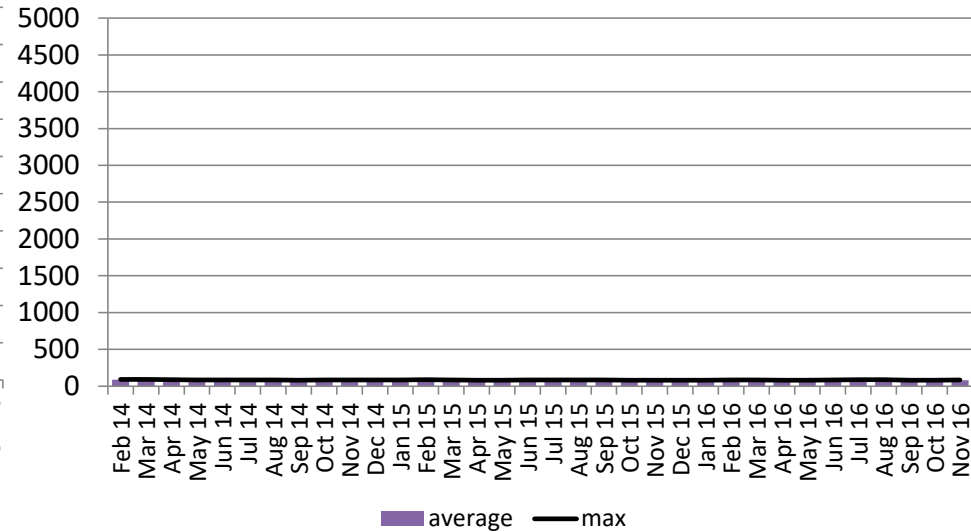MESC
9 December 2016

MRC Orderbook Growth – Block and Complex Orders

MRC - Daily average number of submitted block orders
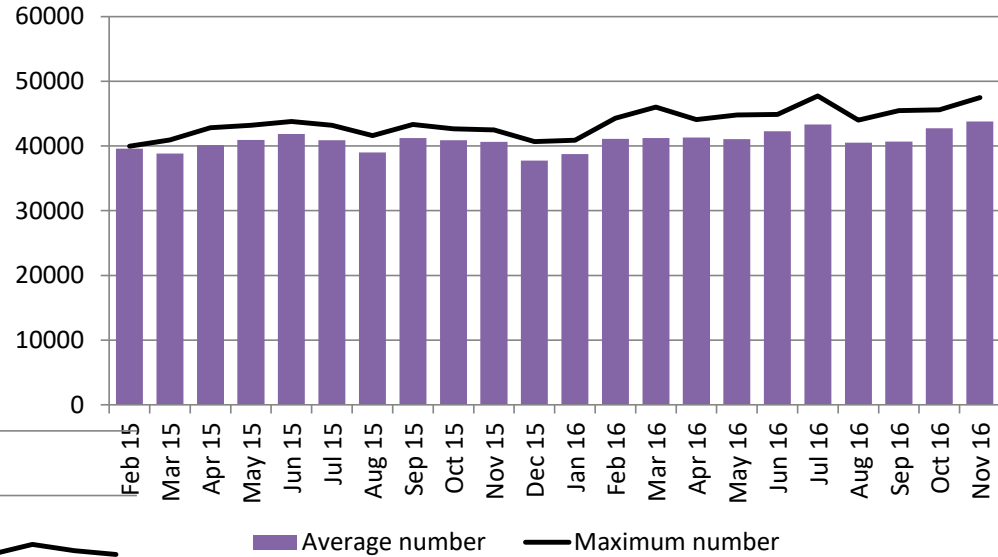
Daily average number of submitted complex orders

#daily MRC Blocks continues to vary; Since 2015 the trend is an increase in the number of exclusive blocks
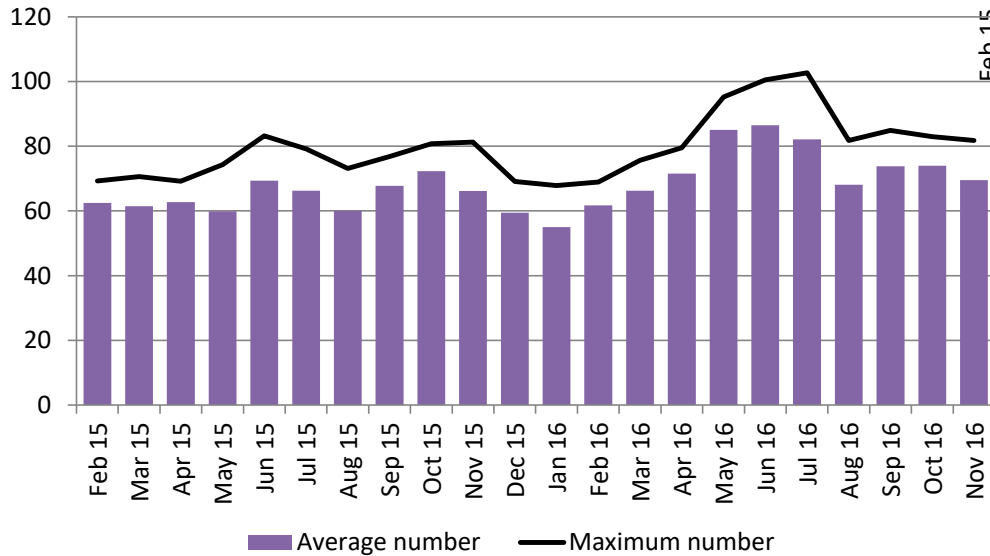
#Complex orders stable (approx. 100 per day)

MRC Orderbook Growth – Merit/PUN orders
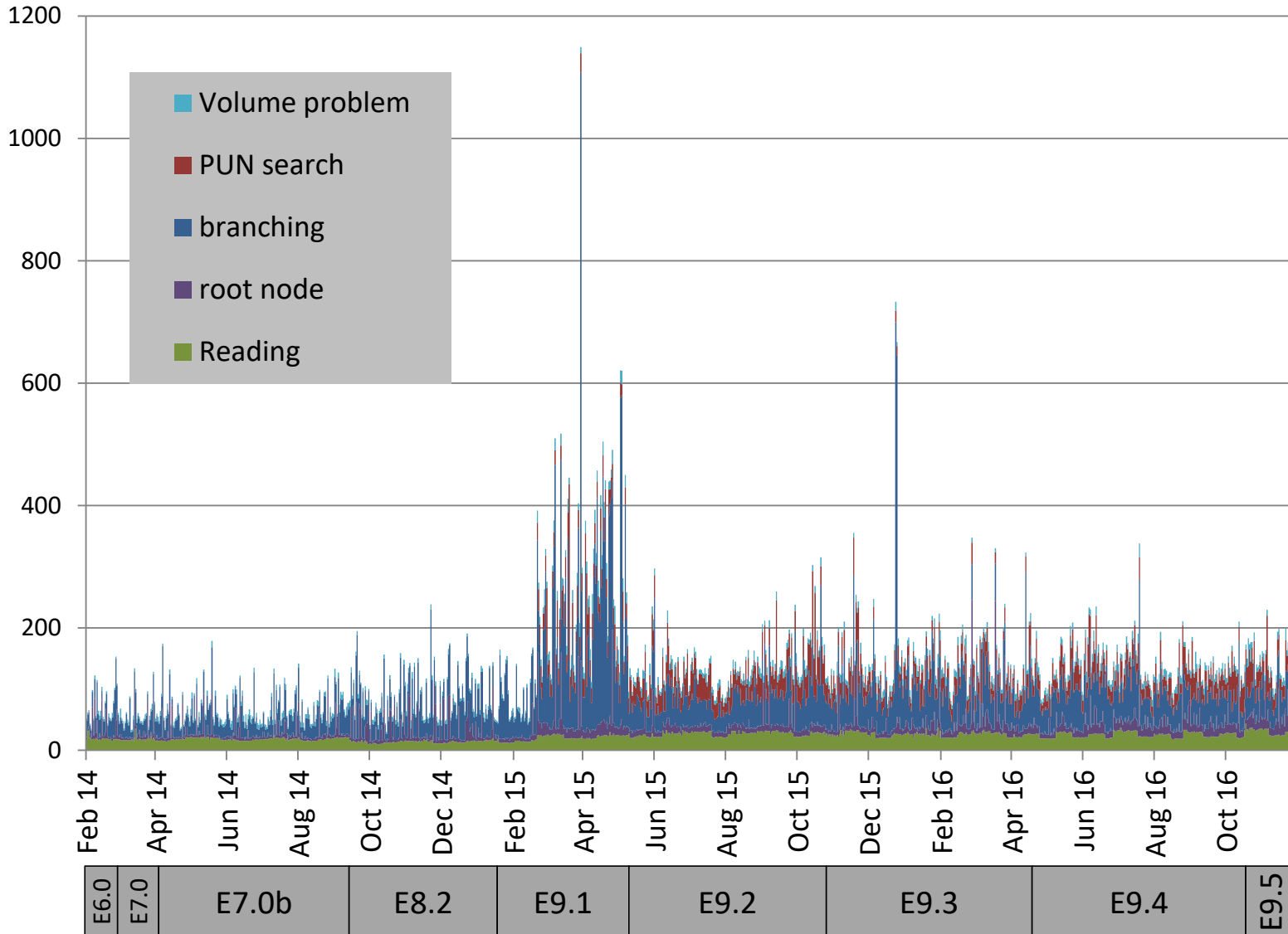

Number of PUN/Merit Orders

Legend: Average number (bars), Maximum number (line)

Hourly number of PUN steps

Legend: Average number (bars), Maximum number (line)

PCR — PRICE COUPLING OF REGIONS
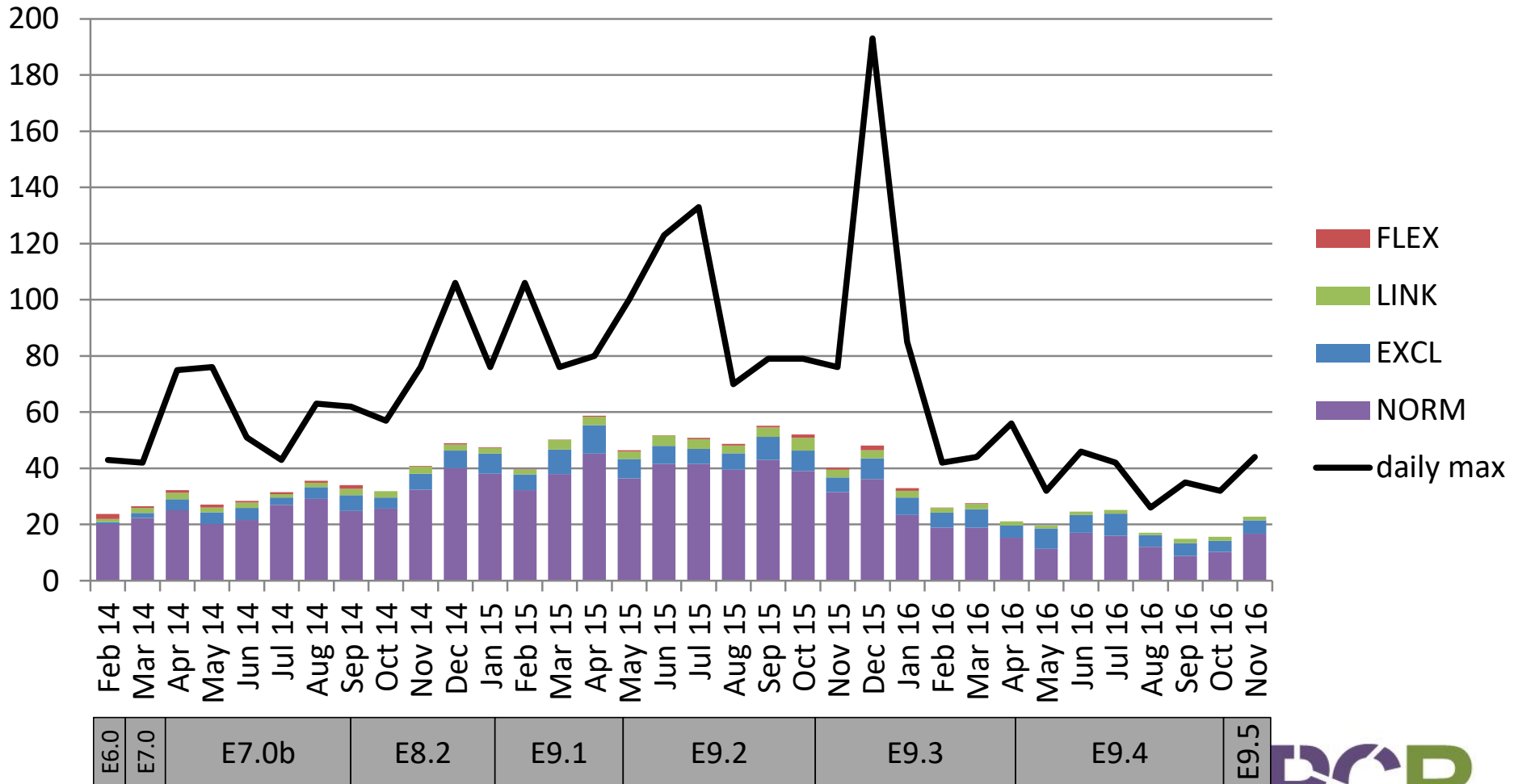
Statistics - PCR Algorithmic Performance
PCR algorithm performance update – Time to first solution (s) on MRC scope

Statistics - PCR Algorithmic Performance
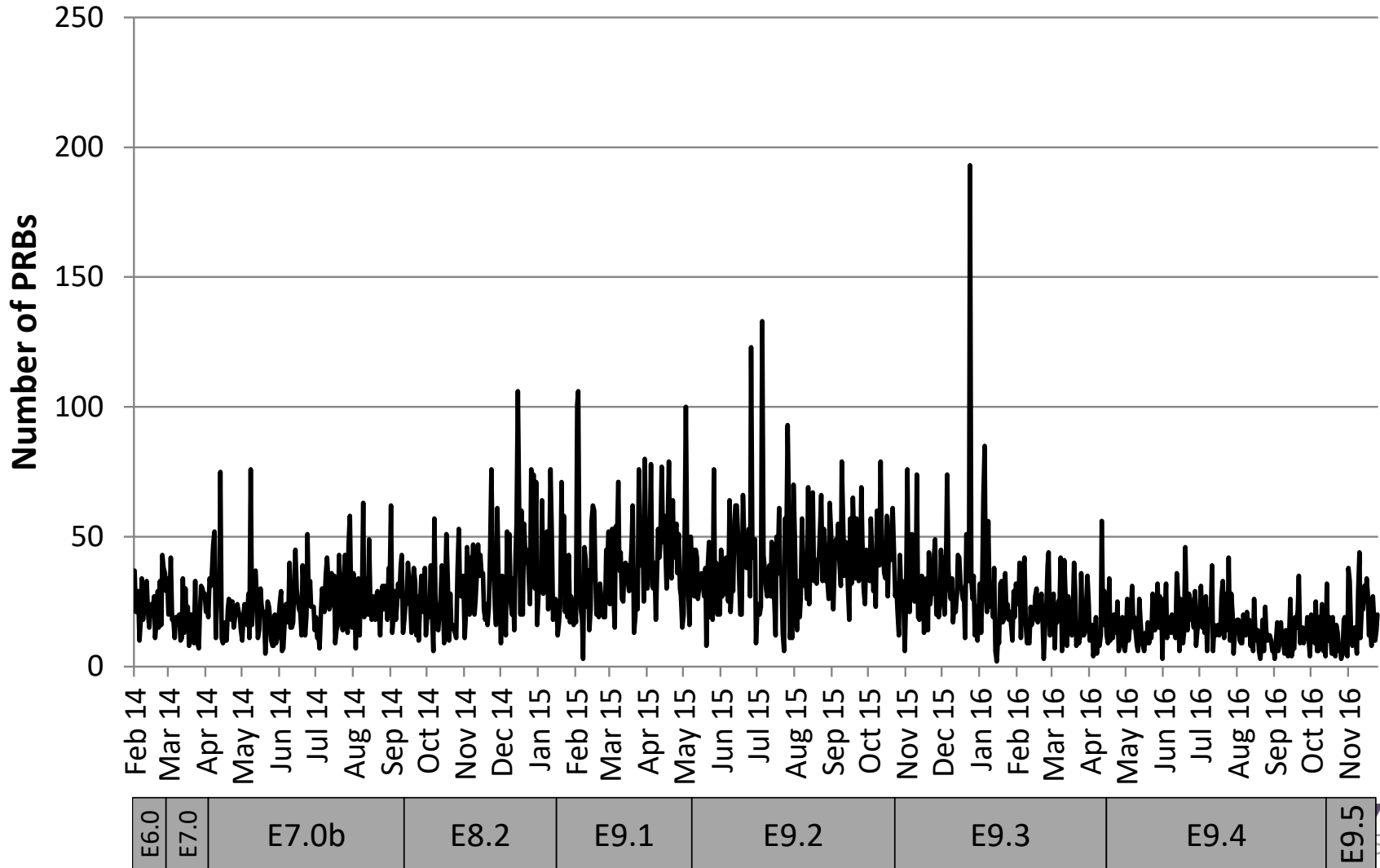## PCR algorithm performance update – Number of PRBs on MRC scope

Daily average number of PRBs

Legend:
- FLEX
- LINK
- EXCL
- NORM
- daily max

Timeline bands: E6.0 | E7.0 | E7.0b | E8.2 | E9.1 | E9.2 | E9.3 | E9.4 | E9.5

PCR
PRICE COUPLING OF REGIONS

Statistics - PCR Algorithmic Performance
PCR algorithm performance update – Number of PRBs (on MRC scope)

Number of PRBs

Statistics - PCR Algorithmic Performance
PCR algorithm performance update – Max ΔP (on MRC scope)

max ΔP

Statistics - PCR Algorithmic Performance
PCR algorithm performance update – PRMICs (on MRC scope)
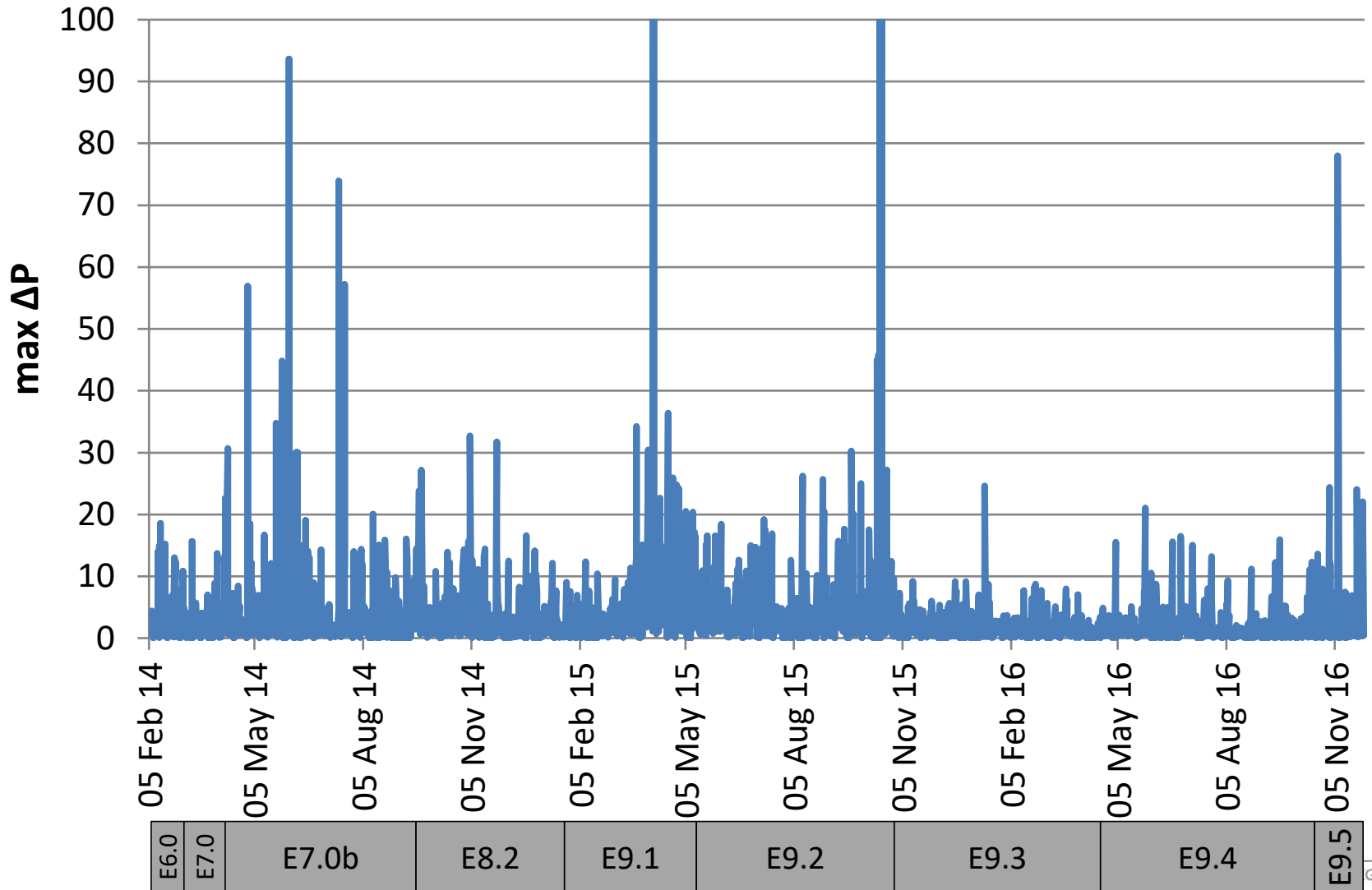

Number of PRMICs

Statistics - PCR Algorithmic Performance
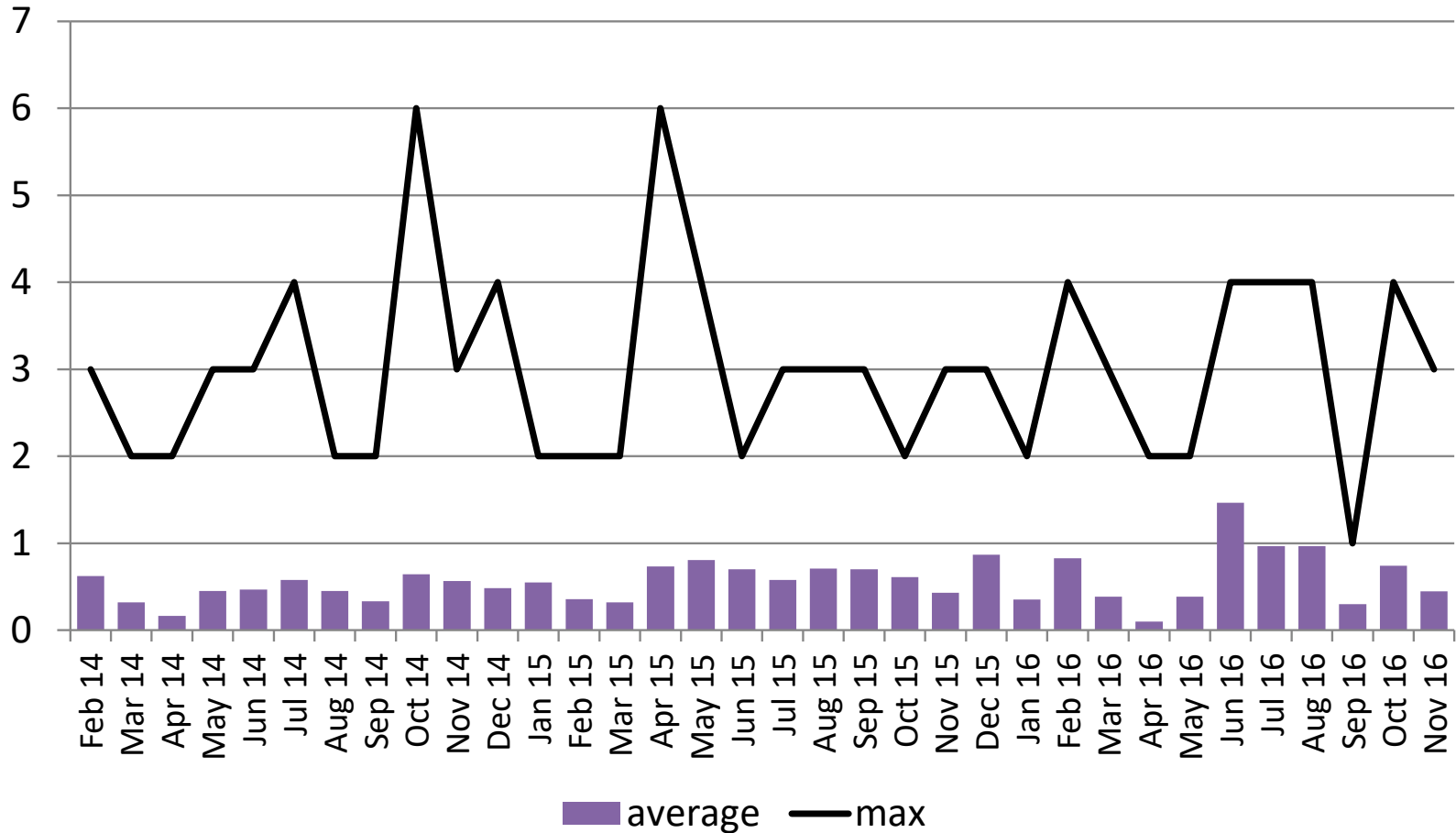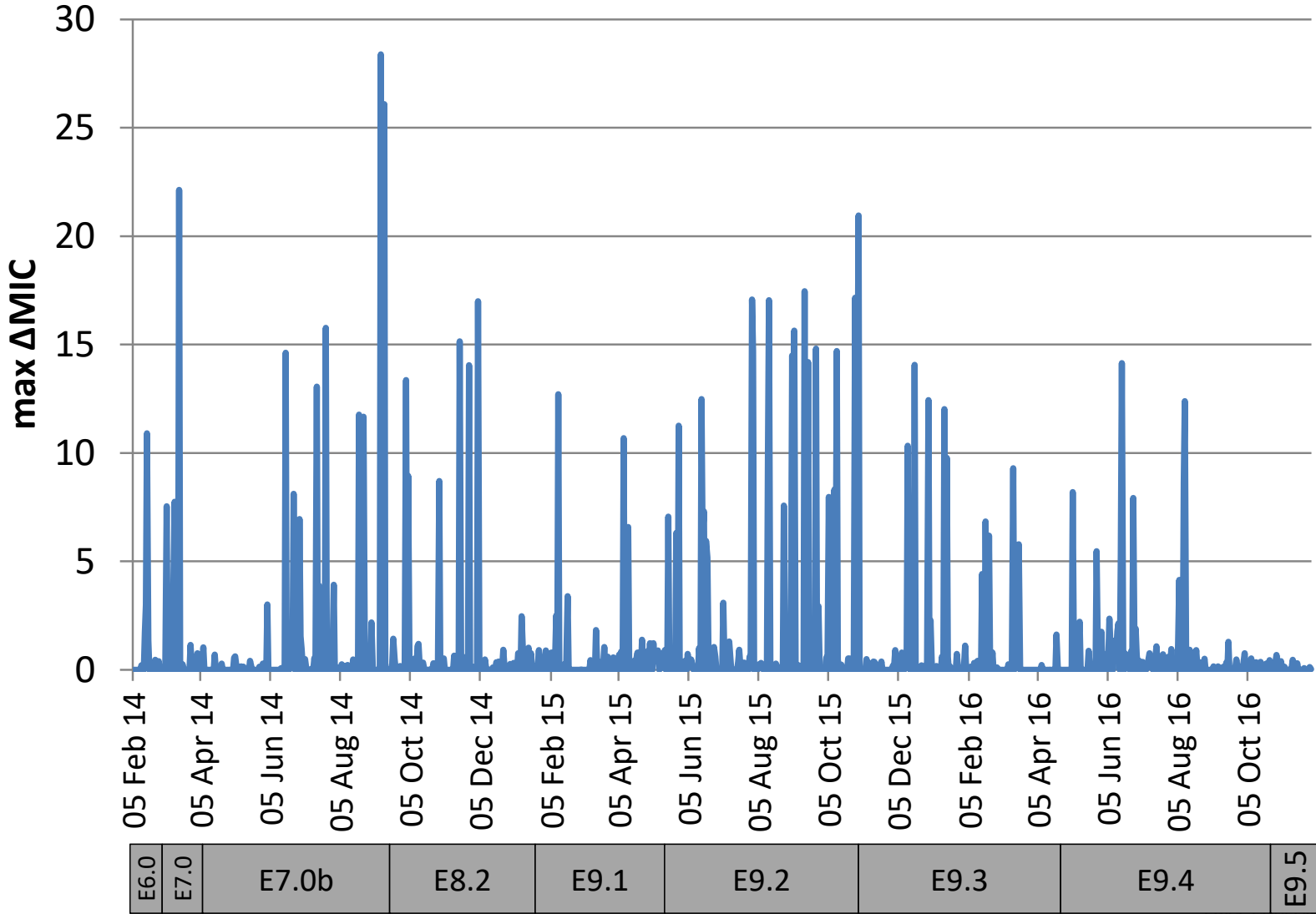## PCR algorithm performance update – Max ΔMIC (on MRC scope)

max ΔMIC

Euphemia – Release Plan

In order to cope with the expending perimeter and the increasing number and complexities of the products that are used, significant performance improvements have been and are continued to be implemented within Euphemia.

2016

Apr 2016

Oct 2016

Euphemia 9.4

Euphemia 9.5

Local search (PRB re-insertion) improvement

Intermediary release pre E10. Small improvements, interface changes

2017

~Apr 2017

Q4 2017

Euphemia 10

Euphemia 10.1

- **Multi threading**
- **Auditability**

- **Multi NEMO**
- **Gap re-evaluation**