

EAST Availability Statistics 2023

„Information“ I

These slides are a template to summarize the availability of your machine in 2023. Please correct and complement the slides considering following questions:

- What are the main events & reasons impacting availability?
 - Does the data show them and is it matching your expectations?
 - Is any crucial aspect not visible in the data that we should have a closer look at?
- What is the outlook for next year?
 - Are you expecting some interventions over the YETS that might improve availability next year?
 - Could certain circumstances lead to an availability degradation?

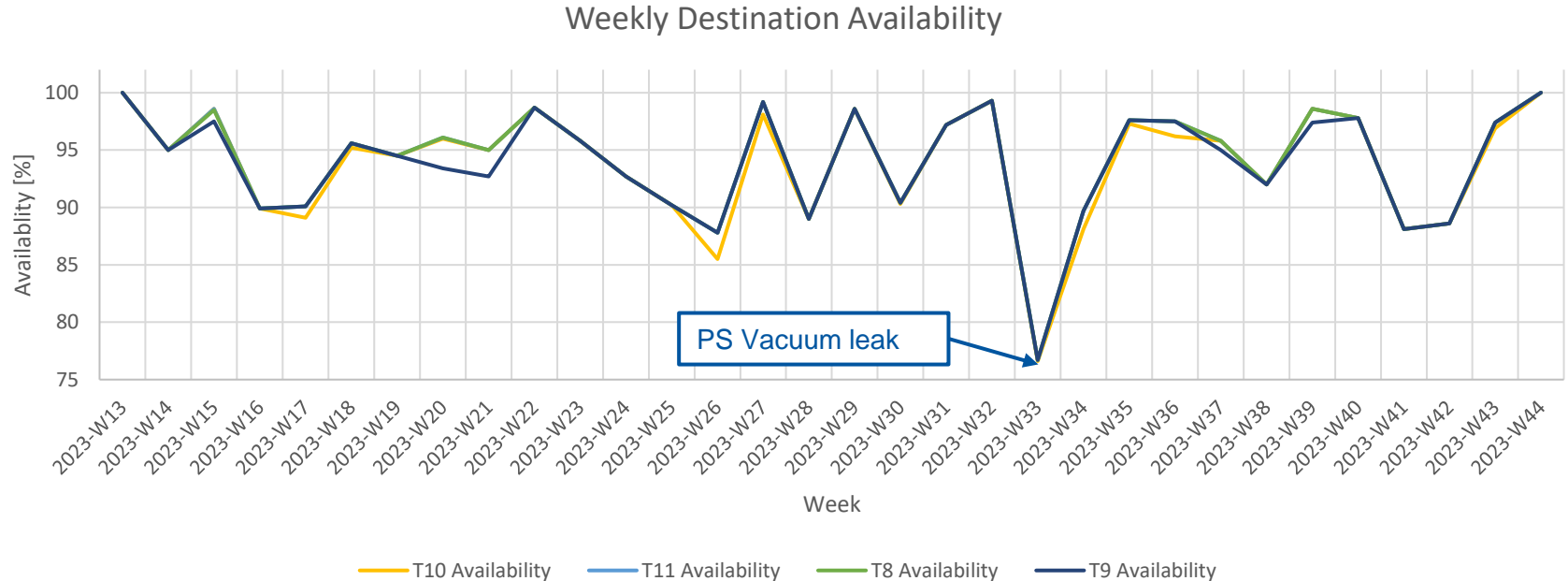
„Information“ II

- There will be additional questions on each slide.
- All charts can be regenerated from [AFT – Dashboard \(cern.ch\)](#)
- For further inspiration what to put in the slides, please have a look at <https://indico.cern.ch/event/1104980/>

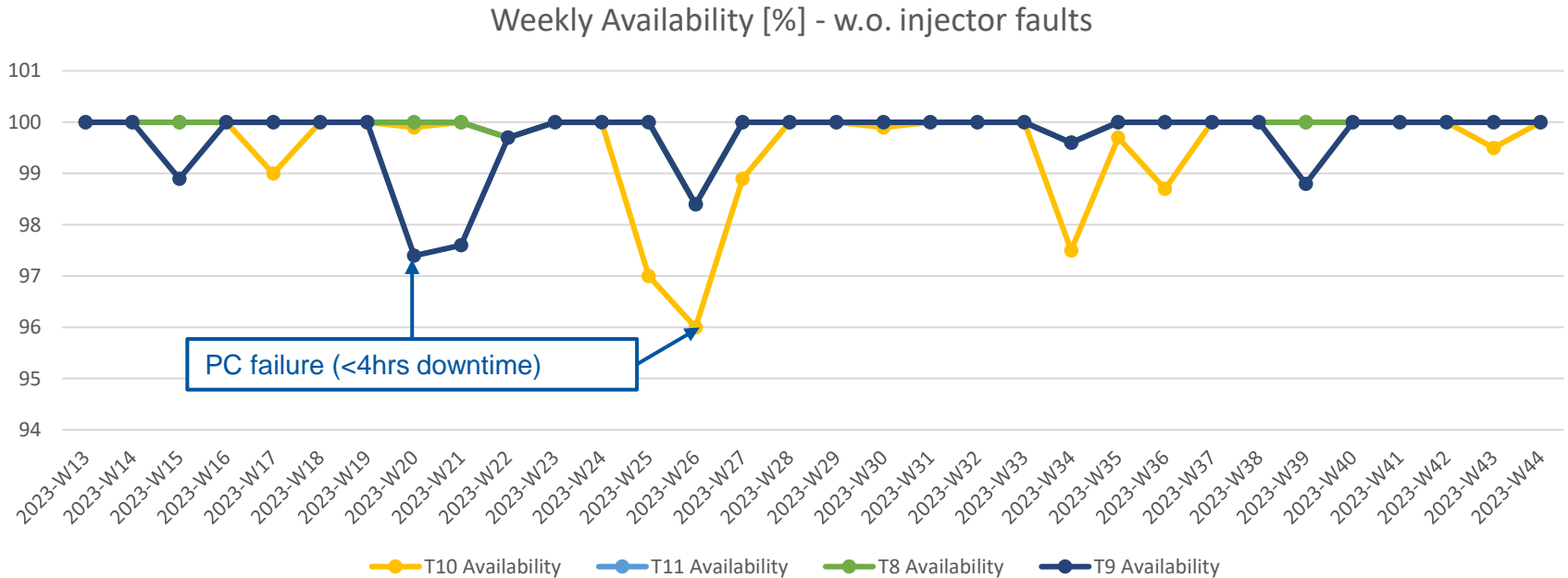
Considered Times

- From start of EAST physics to end of run
 - → 03-04-2023 00:00:00 - 30-10-2023 06:00:00
- Ded. L4 MD & TS excluded
 - 10-05-2023 08:00:00 - 10-05-2023 18:00:00
 - 20-06-2023 08:00:00 – 21-06-2023 14:00:00
- (Should these times be wrong, please correct the times above or add additional excluded time periods and let us know – we can update your template)

Weekly Availability by Destination



Weekly Availability by Destination – w.o. injector faults

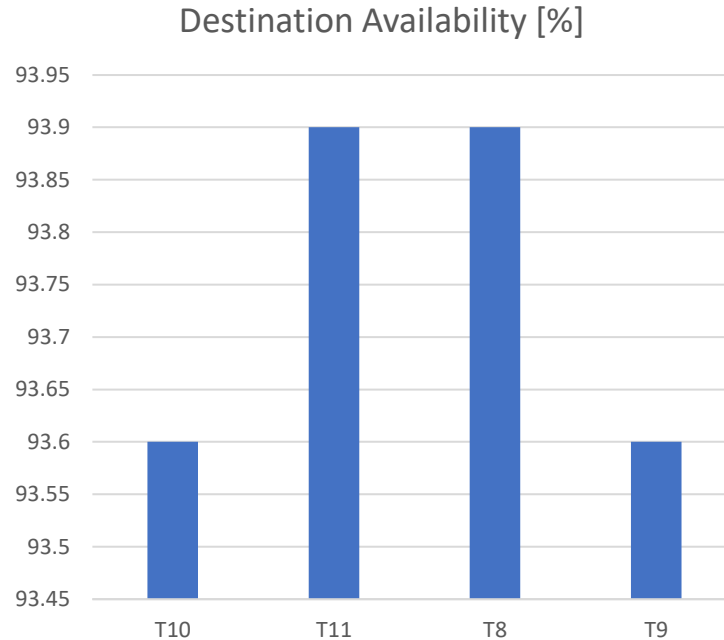


What are the main events & reasons impacting availability?
Please mark them.



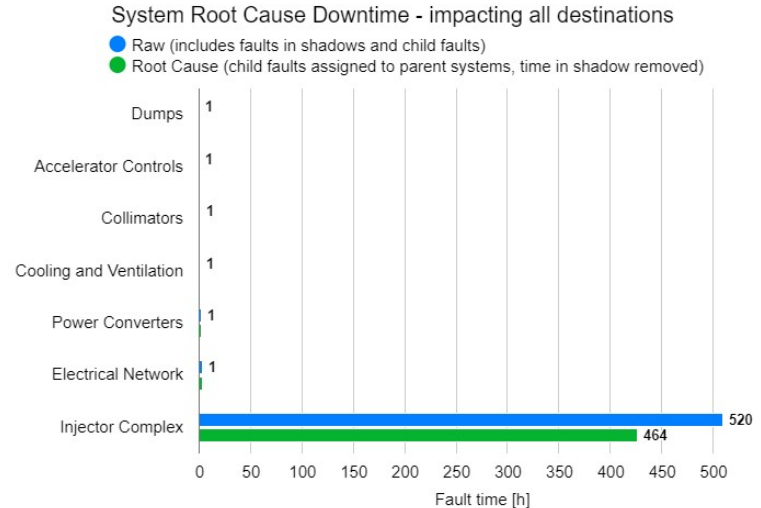
Global Destination Availability

Main downtime due to injector complex.

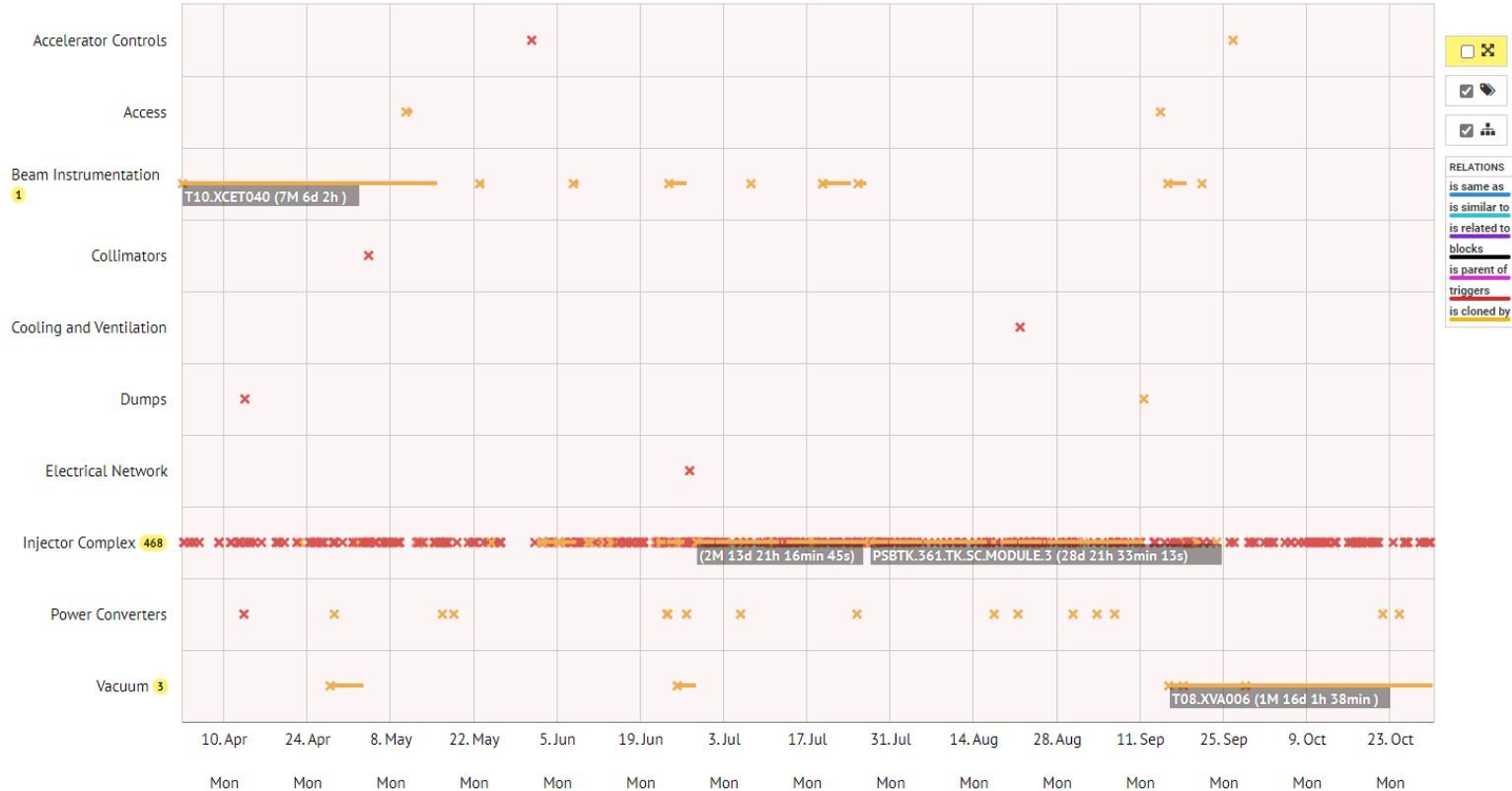


System Downtime

- Not relevant for EAST and NORTH
- For Cardiogram :
 - Most fault coming from injector, beam instrumentation XCET (non-blocking).
 - XCET have been heavily study and upgraded during the run and has seen in the cardiogram the situation is really better now.



System Downtime



Summary & Conclusion Slides

- Good year for the EAST that still profiting from the renovation
- Desiderata for fault tracking and AFT tool?
 - Be able to filter faults by destination (e.g. is the “search faults” page)