

PS Report week 28/29



Many thanks
to the PS OP and coordination teams as well as all equipment experts and support teams!

Beam availability Thu 9am – Thu 9am

Availability

87.1%

Blocking Faults

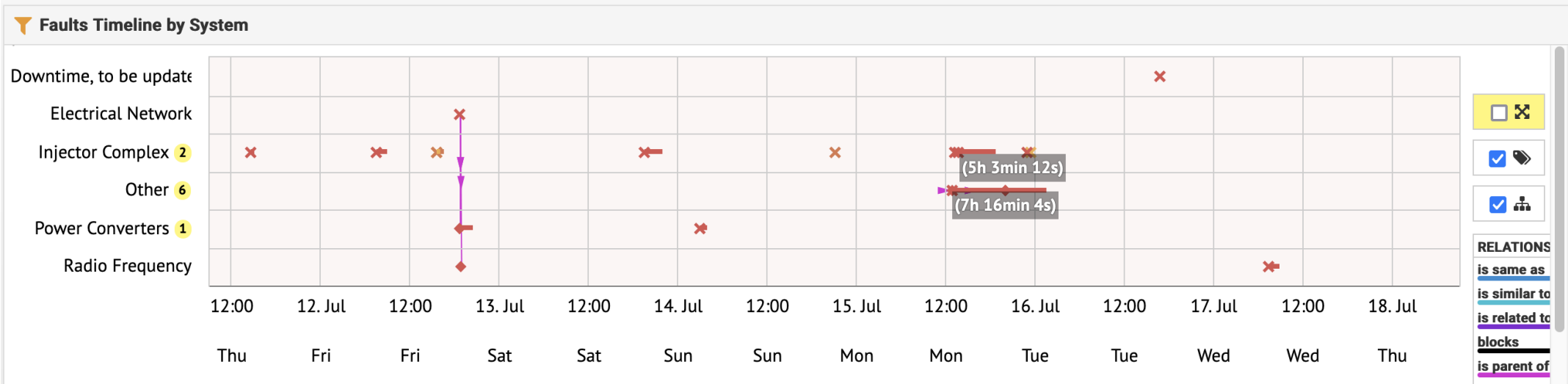
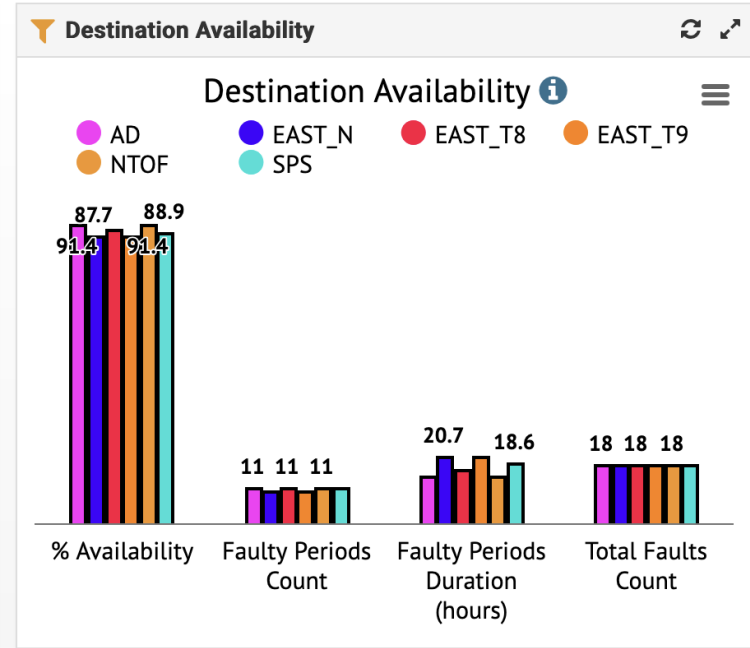
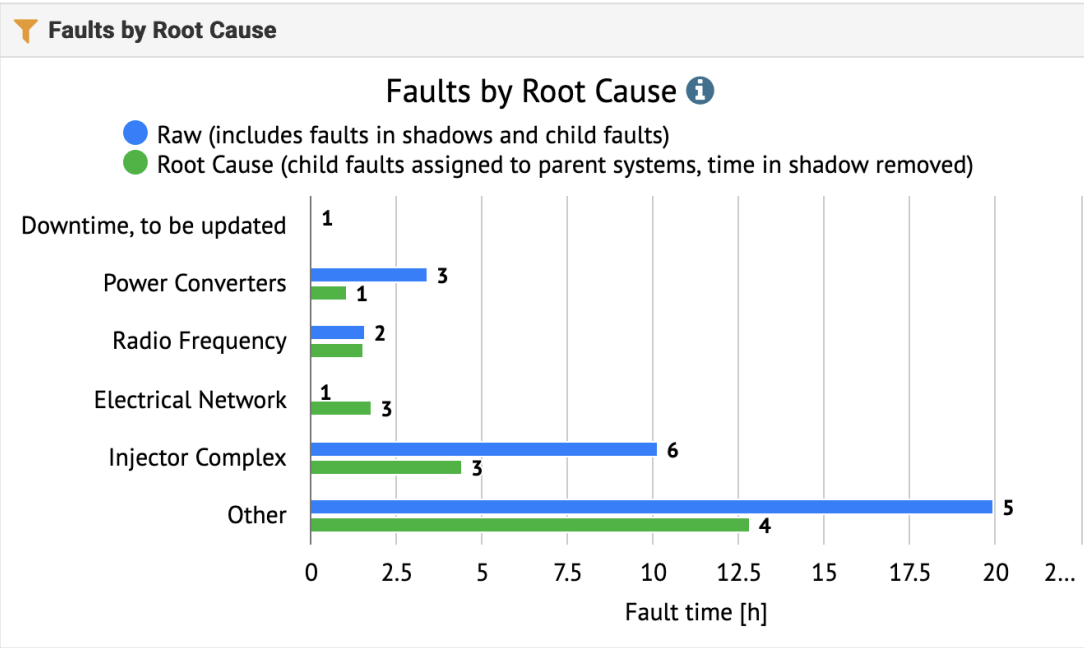
18

Total Faults

22

Fault Duration (overlap excluded)

22.7h



Main Points

Four main issues:

- Electrical glitch Friday evening; bending in EAST transfer line required piquet intervention
- 2.5h downtime due to Booster injection kicker issue (R3) Saturday evening
- Monday early afternoon 18 kV trip early afternoon due to emergency button destroyed in b358 during a handling accident while dismantling the old PS rotating machine
 - Multiple piquet and specialist interventions.
 - First beams back around 20h (TOF, LHCINDIV), followed by AD and SFTPRO
 - EAST_T8 beam back around 23h, T9/T10 only early Tuesday morning (cooling problem)
- 1.5h beam stop Wednesday morning for C10-46 amplifier exchange

Main progress last days:

- Losses reduced for EAST beam extraction
- PSB-to-PS energy matching and trajectories updated for all beams
- Cycle checked for SFTPRO intensity increase tomorrow
- New optics adjustment to be scheduled (Yann) before using BIG parasitic TOF bunch on EAST

W28 coordinator: Y. Dutheil
W29 coordinator: B. Mikulec
W30 coordinator: Y. Dutheil

Questions and Comments?



09:30 on Mondays: PS-MPC

Zoom link to follow the meeting on remote: <https://cern.zoom.us/j/62700463149?pwd=VWdOd1U1UGgrQVICc2xNRkMwcFFoQT09>

09:00 Wed and Fri: PS morning meetings

Zoom link to follow the meeting on remote: <https://cern.zoom.us/j/9372114100?pwd=L29BcmIHUENCdFBRStYtXYVcrM1B4Zz09>

Meeting ID : 937 211 4100

Passcode: 525463