

PS status 5 – 12 July 2018

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PS status 5th – 12th July

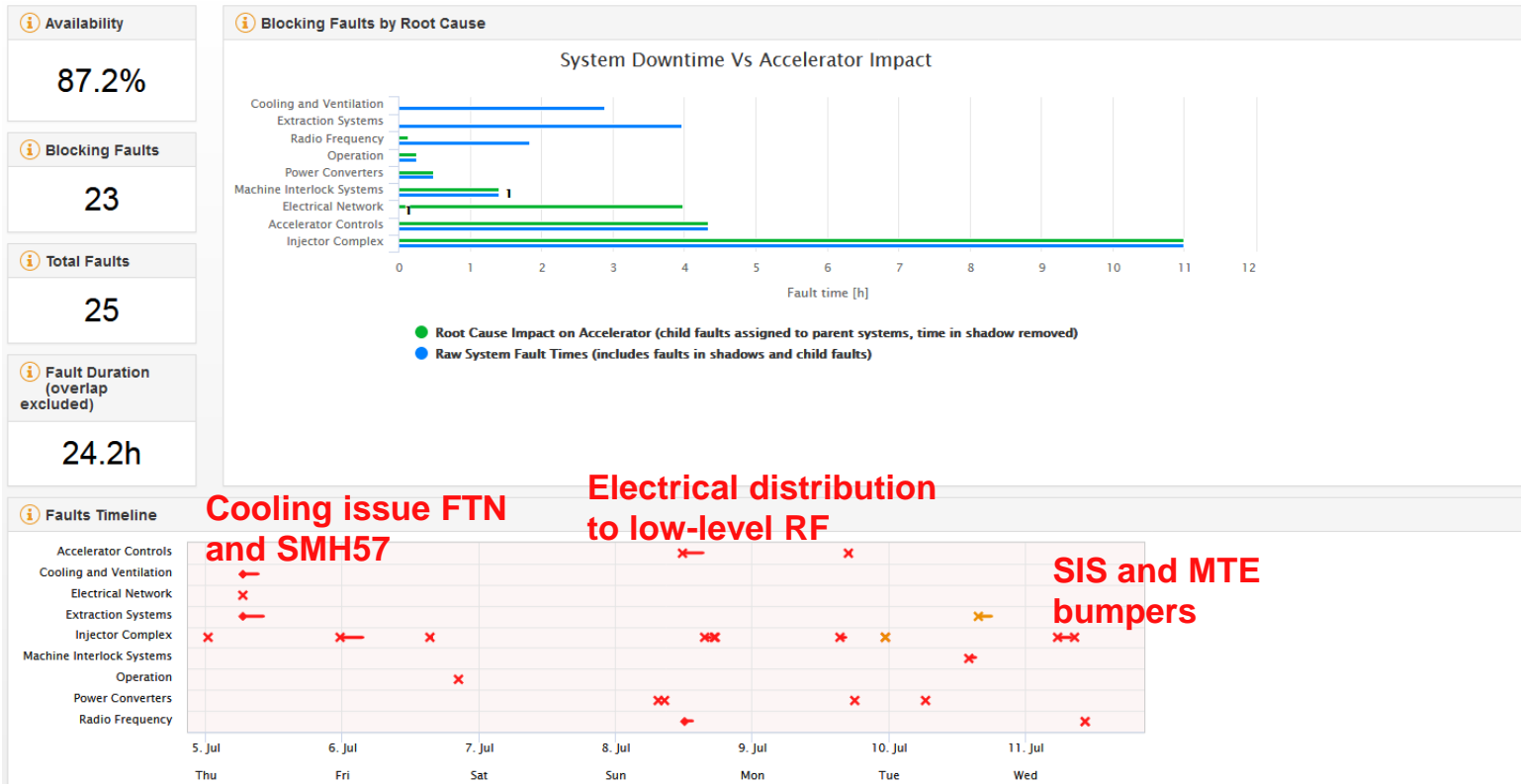
→ **Difficult week for the PS Complex with about 87.2% beam availability**

- Cooling issues after power glitch on Thursday
 - **FTN line and septum SMH57 affected**
 - **4h downtime** in total for EAST beams
- Short-circuit cuts 'uninterruptable' supply for low-level RF on Sunday
 - **Broken switch mode power supply in OASIS front-end**
 - **3h50 downtime** for all beams
- Beams cut by software interlock system on Wednesday
 - **1h25 downtime** for all EAST beams

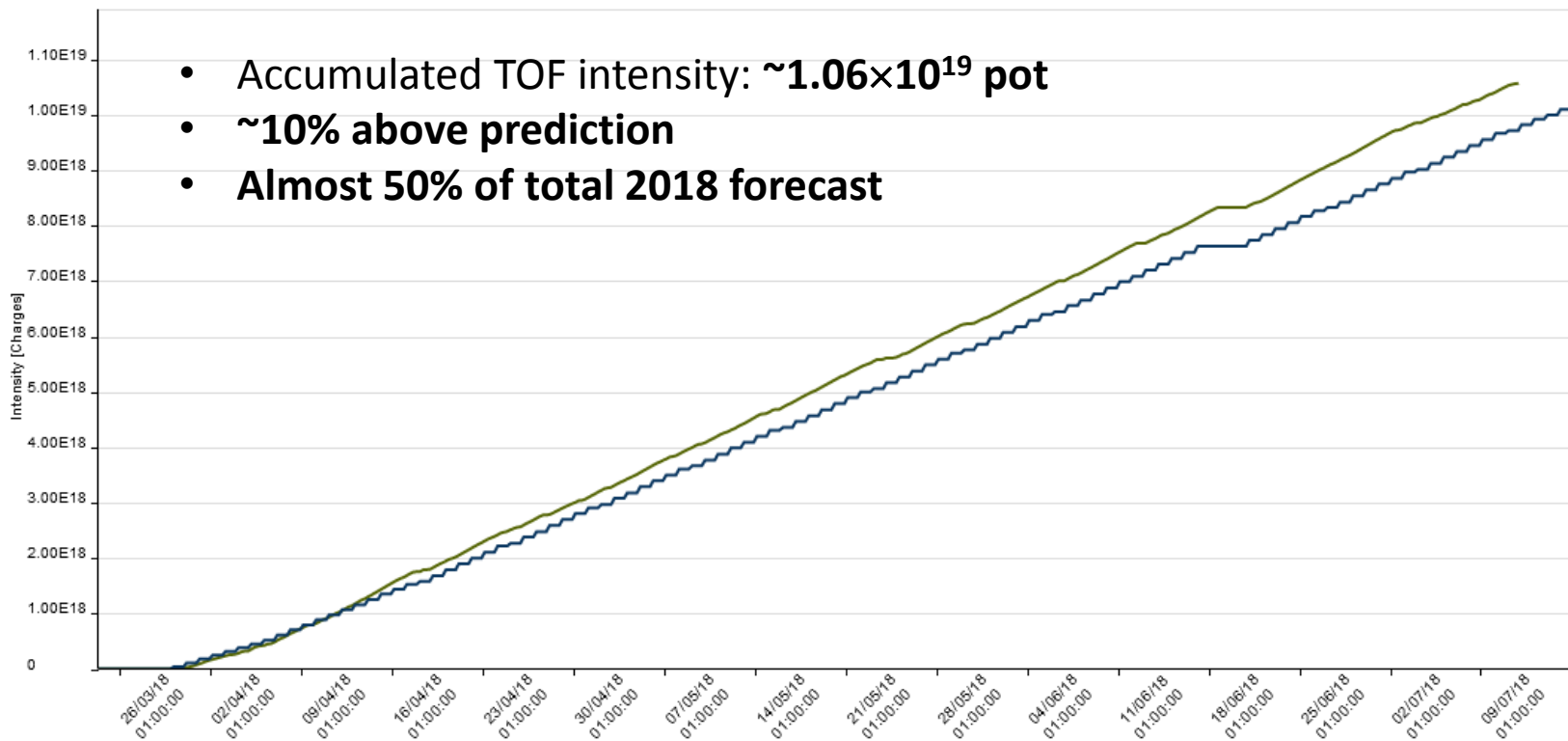
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- Frequent trips of MTE bumper power converters on Wednesday
 - **Timing issue with MD cycle**
 - **2h40 downtime** for all MTE beam to SPS
- Vacuum seems again degraded in F61 line since Tuesday
 - **Investigating**
- In total 11h00 of downtime due to PSB faults
 - **BT.BHZ10 power converter, 4h**
 - **Recombination kicker converters, 2h30**
 - **Intervention for BPM and repair of bumper converter, 1h20**
 - **Ejection bumper trips due to side-effects of PS electric issues, 0h40**

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TOF until 11th July



Status of beams

Fixed target beams	Status	Comment
EAST Irrad/North	Operational	With parasitic TOF
MTE	Operational	Delivered to SPS at $\sim 1.35 \cdot 10^{13}$ ppp
TOF	Operational	Up to $\sim 7.5 \cdot 10^{12}$ ppp
AD	Operational	$\sim 1.44 \cdot 10^{13}$ ppp (back to nominal)
LHC-type beams	Status	Comment
LHC PROBE, LHC INDIV	Operational	
LHC25 (12b, 72b)	Operational	
LHC25 BCMS (12b, 48b)	Operational	