



# Leibniz-Rechenzentrum

der Bayerischen Akademie der Wissenschaften



# SuperMUC Phase 1

System Power Consumption: 800 kW (idle) – 3700 kW (Linpack)



**TOP 500<sup>®</sup>**

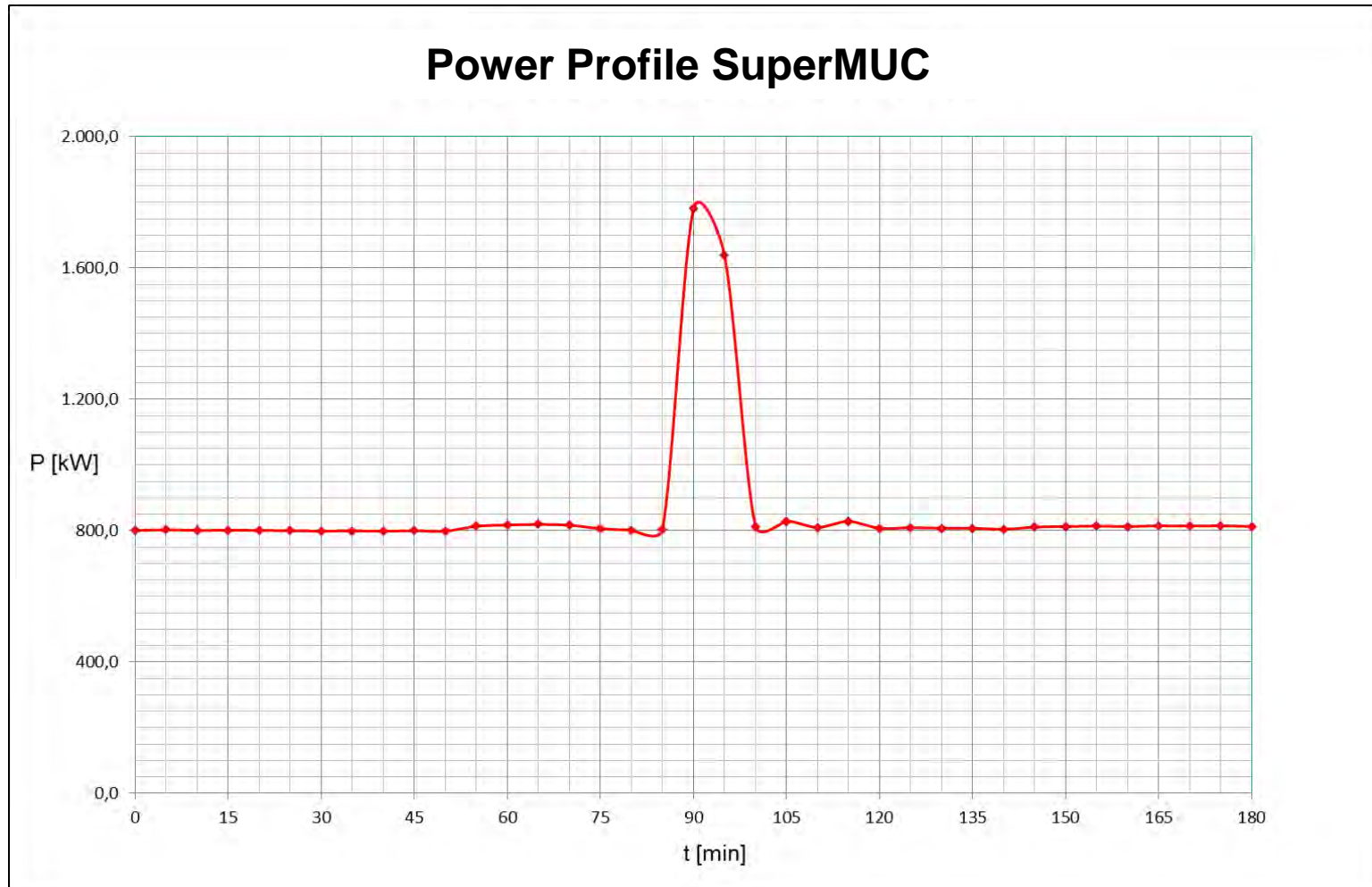
SUPERCOMPUTER SITES

2897 TFlop/s HPL Performance

- Rank 4 (June 2012)
- Rank 6 (November 2012)
- Rank 9 (June 2013)
- Rank 10 (November 2013)
- Rank 12 (June 2014)
- Rank 14 (November 2014)

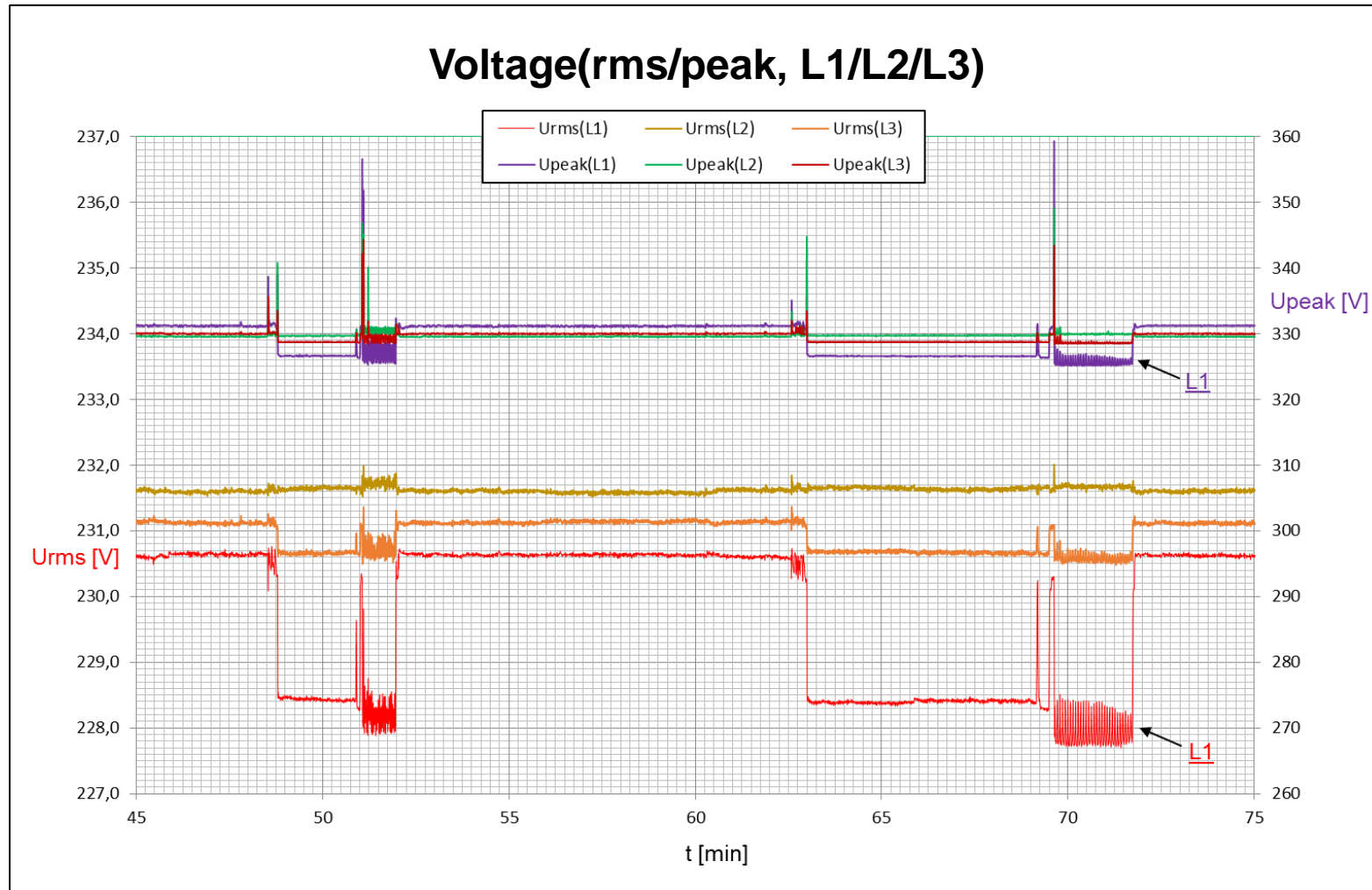
# (1) SEISSOL Benchmark 24.10.2013

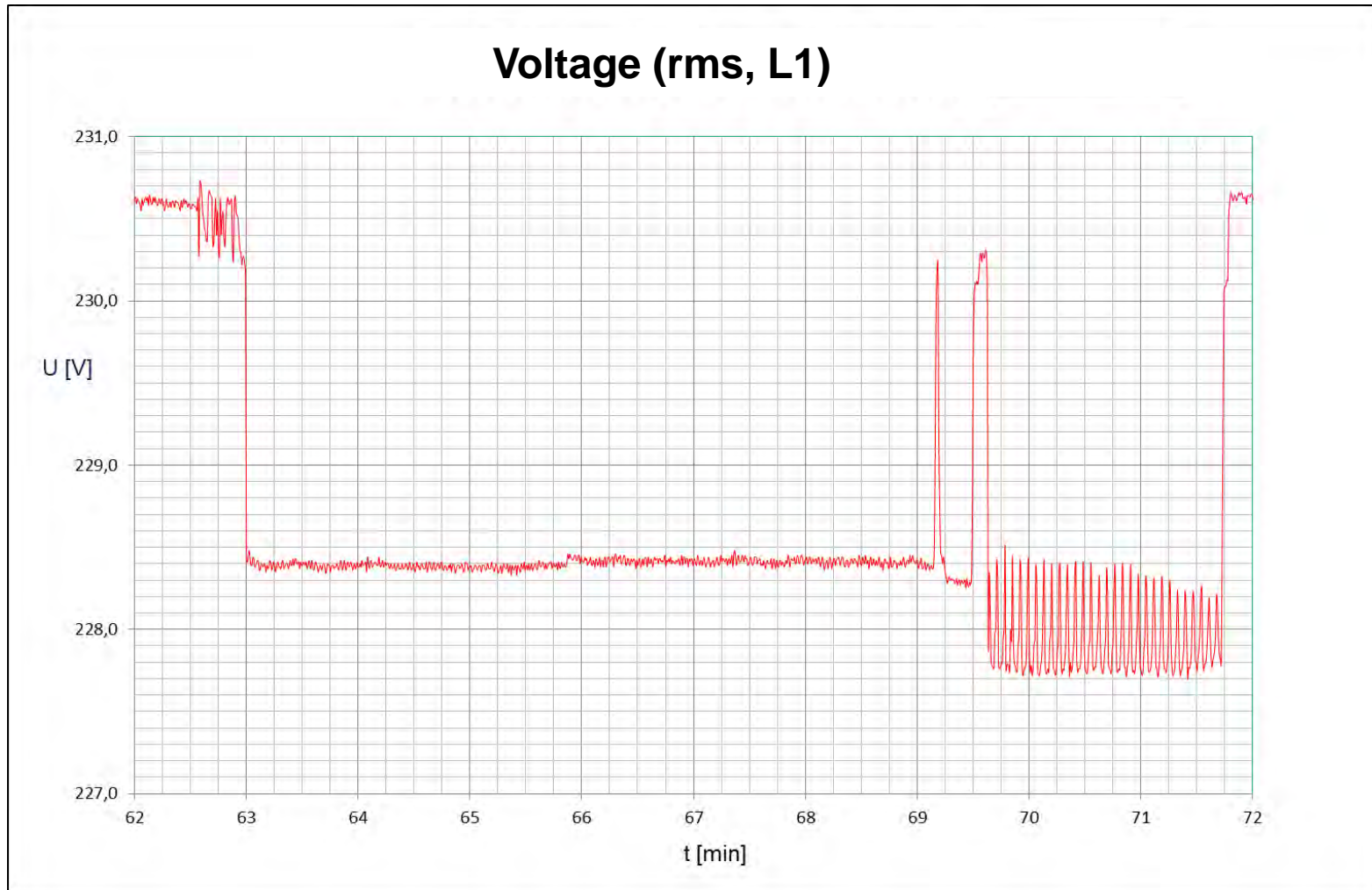
EV: Trafo11 - 14, 16; USV12, 13, 16



# (3-1) SEISSOL Benchmark 11.2.2014

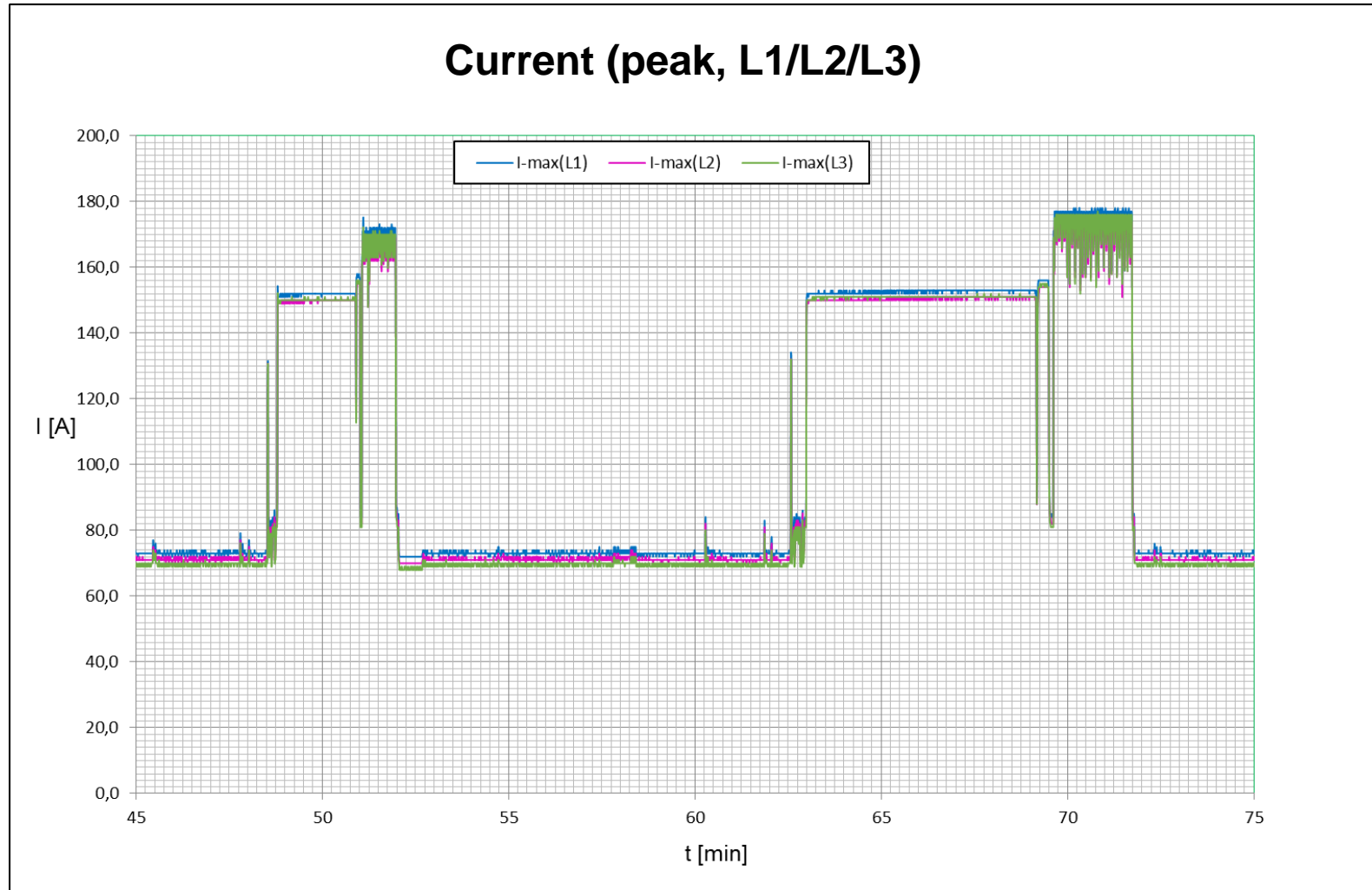
EV: Trafo11 - 16; USV12 - 15





# (3-2) SEISSOL Benchmark 11.2.2014

EV: Trafo11 - 16; USV12 - 15



- Power Provider: „Stadtwerke München“
- 100% Power from renewable energies
  - End of each year we get a document listing the renewable energy mix used → mostly water power stations in 2013
- Just signed new 3 years power contract with Stadtwerke München for the timeframe 2015 – 2017 with the following features
  - 100% Power from renewable energies
  - 10% variation in annual energy consumption
  - 4 power price tranches per year → watch European power stock exchange
  - Power provider should be at least three days ahead informed when large power consumption fluctuations are foreseeable (e.g., SuperMUC maintenance windows)



Thank you!

