NA2 COMP Status Report

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EUDET SC Meeting
September 01, 2008

Goals and participants

- Provide distributed grid-enabled computing/storage infrastructure for testbeam analysis and detector optimisation
- Involved institutes:
  - University of Bonn
  - DESY
  - Tel Aviv University

University of Bonn

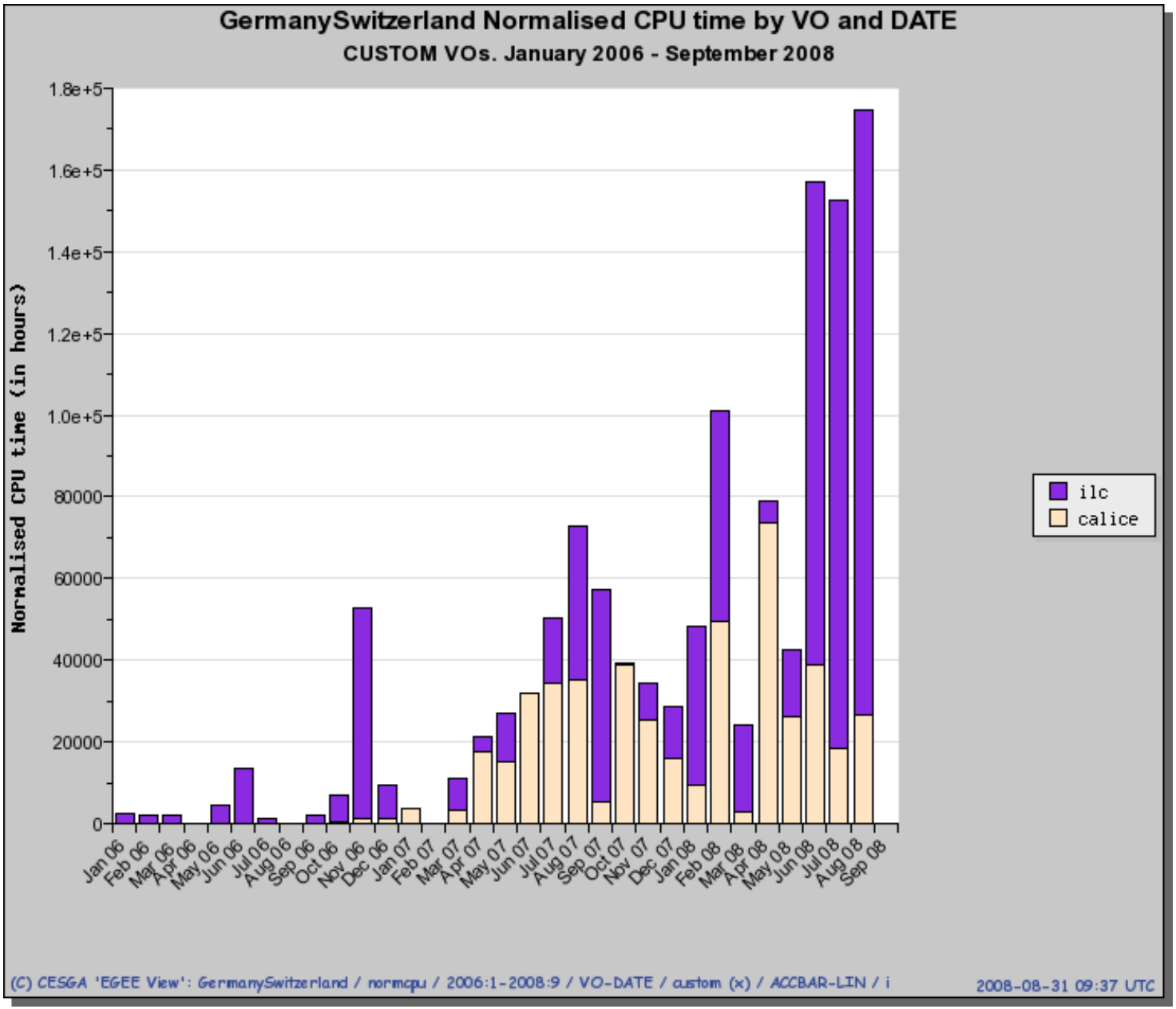
- Bought 10 dual CPU dual core SunFire X2200 machines for 34974 € in December 2006
- Past problems with several service machines seem to be understood
- But had to shut down complete cluster due to an upgrade of the cooling system in computing room. Still not all machines are wired up again.
- Behind schedule due to several accumulated delays

DESY

- Bought 6 SunFire X4100 with 4 CPUs each for 23010 € in May 2006
- Remaining EUDET money (6990 €) has been invested into 2 SunFire X5400 file servers with 24 TB each. Total costs 56 k€. Pro rata EUDET usage.
- Running ~1300 cores in Hamburg + ~350 cores in Zeuthen. High average utilisation.
- ILCSoft available

ilc and calice CPU usage in ROC DECH

DESY-HH, DESY-ZN, UNI-FREIBURG

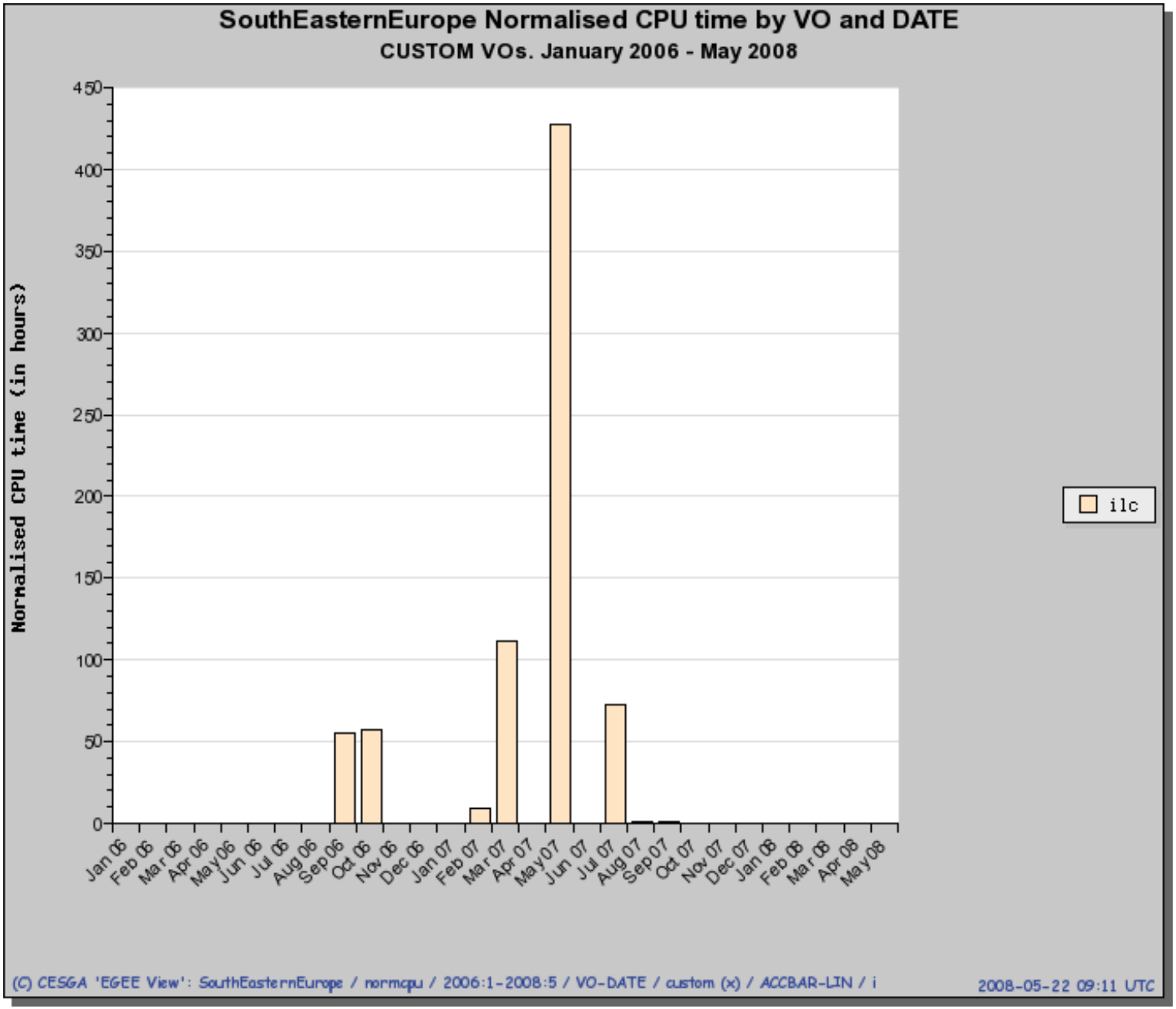


Tel Aviv University

- Bought 5 dual core PCs with about 3 TB RAID5 storage for roughly 10 k€ from EUDET money.
- Hardware was commissioned as planned but was shut down in June 2008 due to re-structuring of grid infrastructure in Israel (common effort by Haifa, Weizmann and Tel Aviv)
- Still not back online due to network trouble.
- Scarce ILC related usage in the past, no ILCSoft available until shutdown
- Agreed to install ILCSoft as soon as everything is working again

ilc CPU usage in ROC SouthEasternEurope

TAU-LCG2



Conclusions and plans

- All money spent as planned
- Not all bought hardware is efficiently used despite of increasing computing demand of ILC community (LOI efforts)
- As soon as Bonn and Tel Aviv are available (again), direct a certain fraction of ILD and CALICE production to these sites to exploit their potential and reduce the imbalance between sites.