

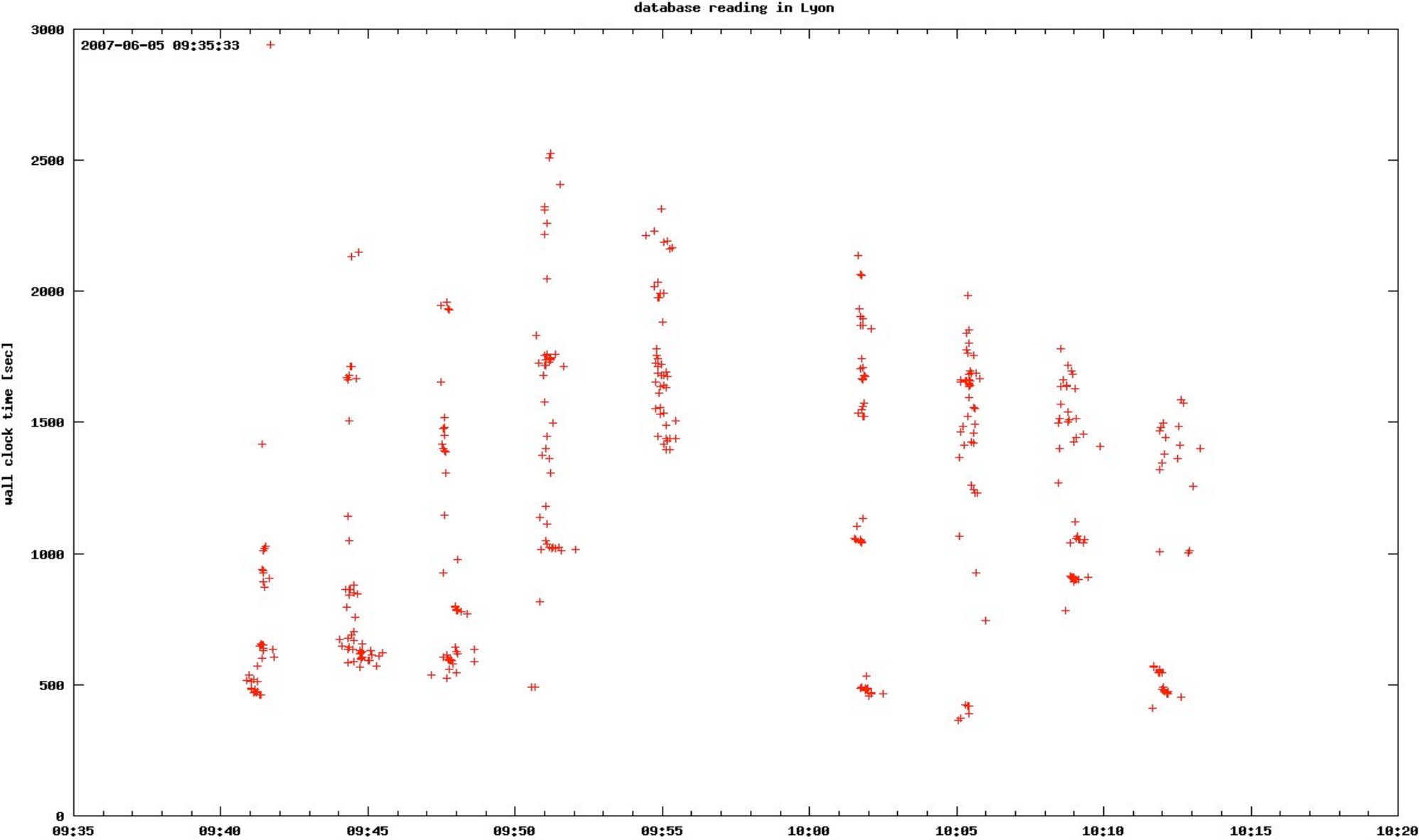
# CondDB readback test

- Test data written to Tier-0 CondDB
  - One run every n minutes
  - Different run sizes
- Replicated by Oracle streams to Tier-1s
- Multiple clients at Tier-1 read local CondDB replication
  - Multiple clients are submitted via the local batch system
  - Grid does not provide sufficiently fine control

# Test setup

- Several hundred clients submitted at once
  - Current tests are limited by number of available queue slots
- Client reads one run and terminates
  - If all jobs read the same run, the data is delivered from the Oracle cache. This makes the jobs faster.
- Wall clock time for standard CondDB test job is recorded
  - Wall clock time depends a bit on data content for the used run

# Readback Test



# About the previous plot

- 400 jobs were submitted via the local batch system
- The gaps are produced by the fact that a standard job is shorter than the local batch system's "queue-check-interval"
  - Reading more than one run per job would help
  - Makes jobs less comparable
- During the test the Lyon Oracle RAC was busy 99%, 60%, 50% (when the jobs where running)

# Results

- Significant difference between Oracle cache and non-cache data
  - “all jobs read the same run” vs. “all jobs read a different run”
- 3 node RAC cluster is a bit loaded (100%, 60%, 60%) with ca. 20 jobs