

Figure 1: Schematic of the data center module POD 2.

Table 1: The RMS of the difference between simulated and experimental temperatures in C at different positions on the server racks.

Rack	Front Bottom	Front Mid	Front Top	Back Bottom	Back Mid	Back Top
1	0.614	3.18	2.81	2.68	2.74	8.13
2	1.55	1.77	4.42	4.05	3.38	4.8
3	0.262	1.46	4.26	6.22	3.55	3.99
4	0.903	1.86	5.69	0.773	1.43	0.835
5	0.591	2.4	3.09	2.22	2.61	1.86
6	1.05	0.759	1.48	1.31	0.532	5.03
7	1.78	1.47	1.38	4.25	2.17	5.18
8	2.13	1.5	5.46	2.68	1.93	0.726
9	1.99	1.81	5.49	1.75	0.849	1.15
10	2.84	3.46	5.32	3.3	3.02	1.54
avg	1.37	1.97	3.94	2.92	2.22	3.32

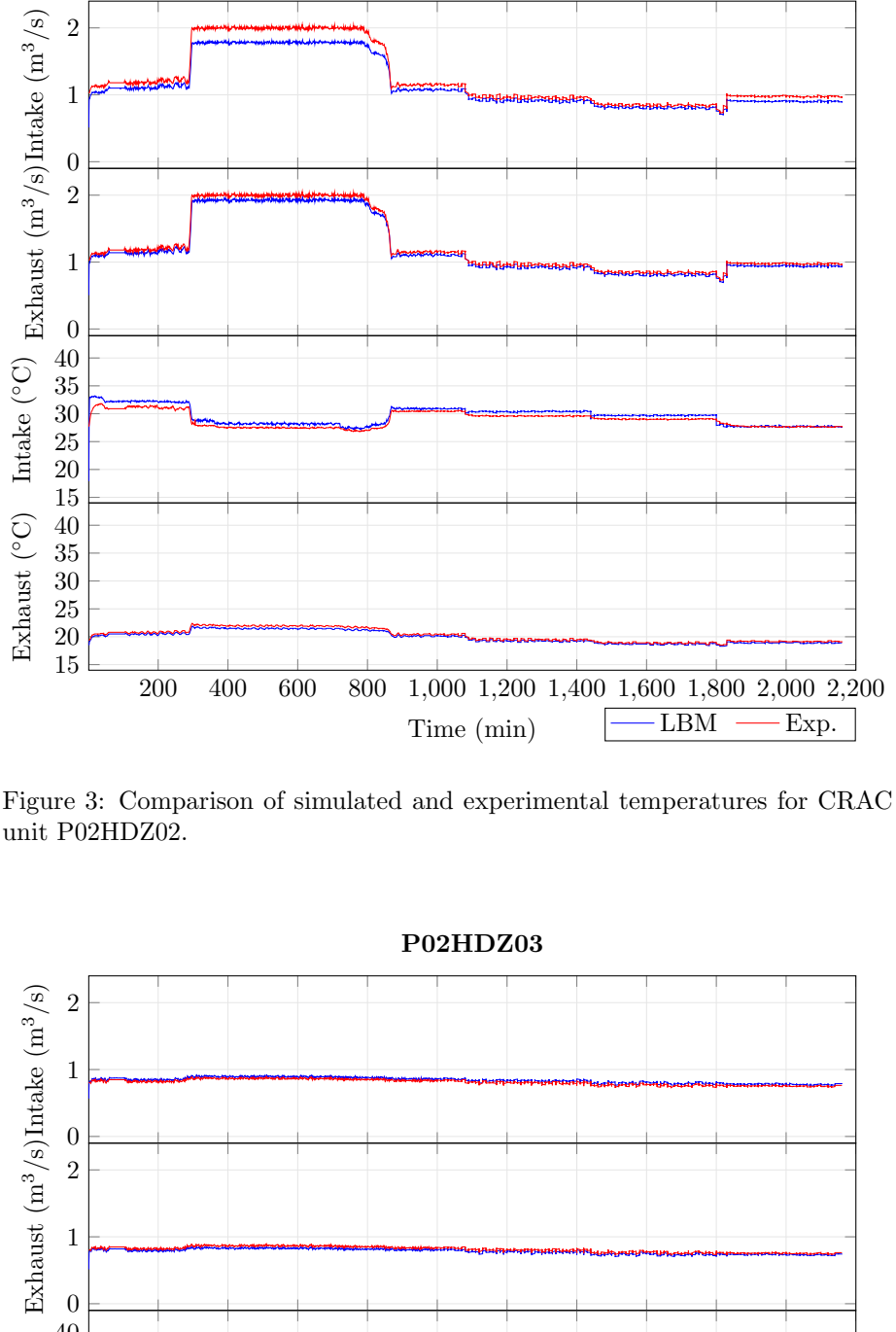


Figure 2: Comparison of simulated and experimental temperatures for CRAC unit P02HDZ01.

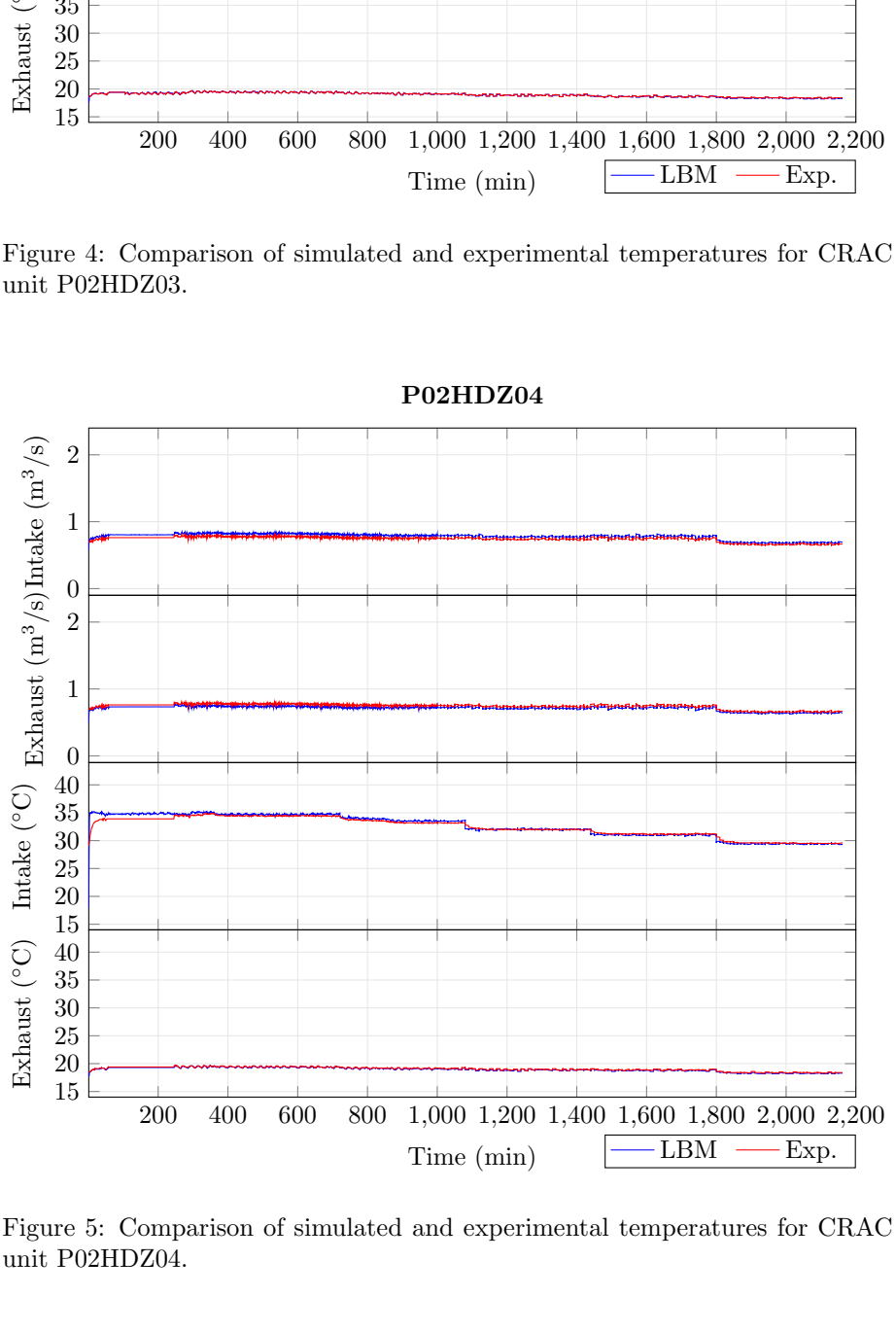


Figure 3: Comparison of simulated and experimental temperatures for CRAC unit P02HDZ02.

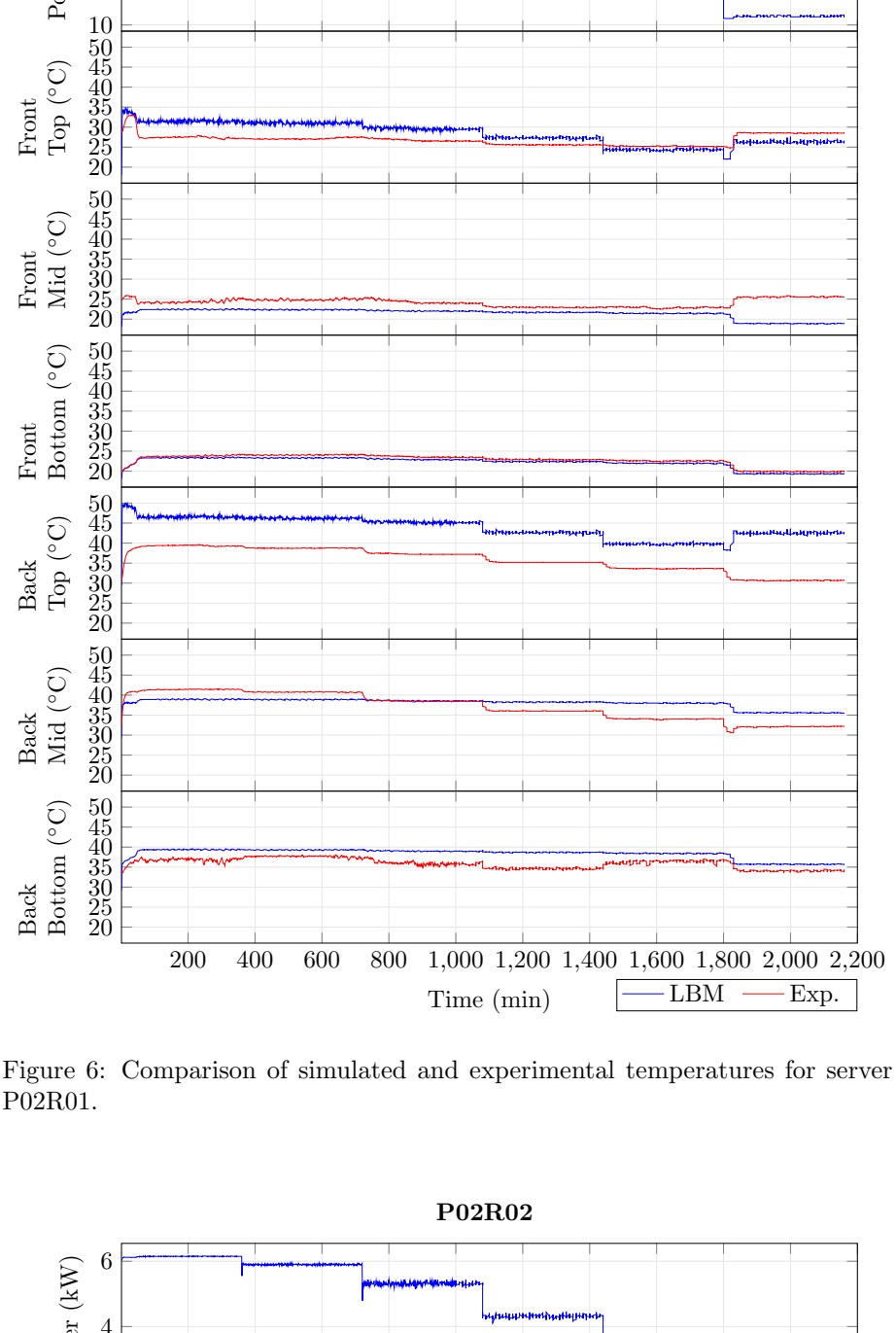


Figure 4: Comparison of simulated and experimental temperatures for CRAC unit P02HDZ03.

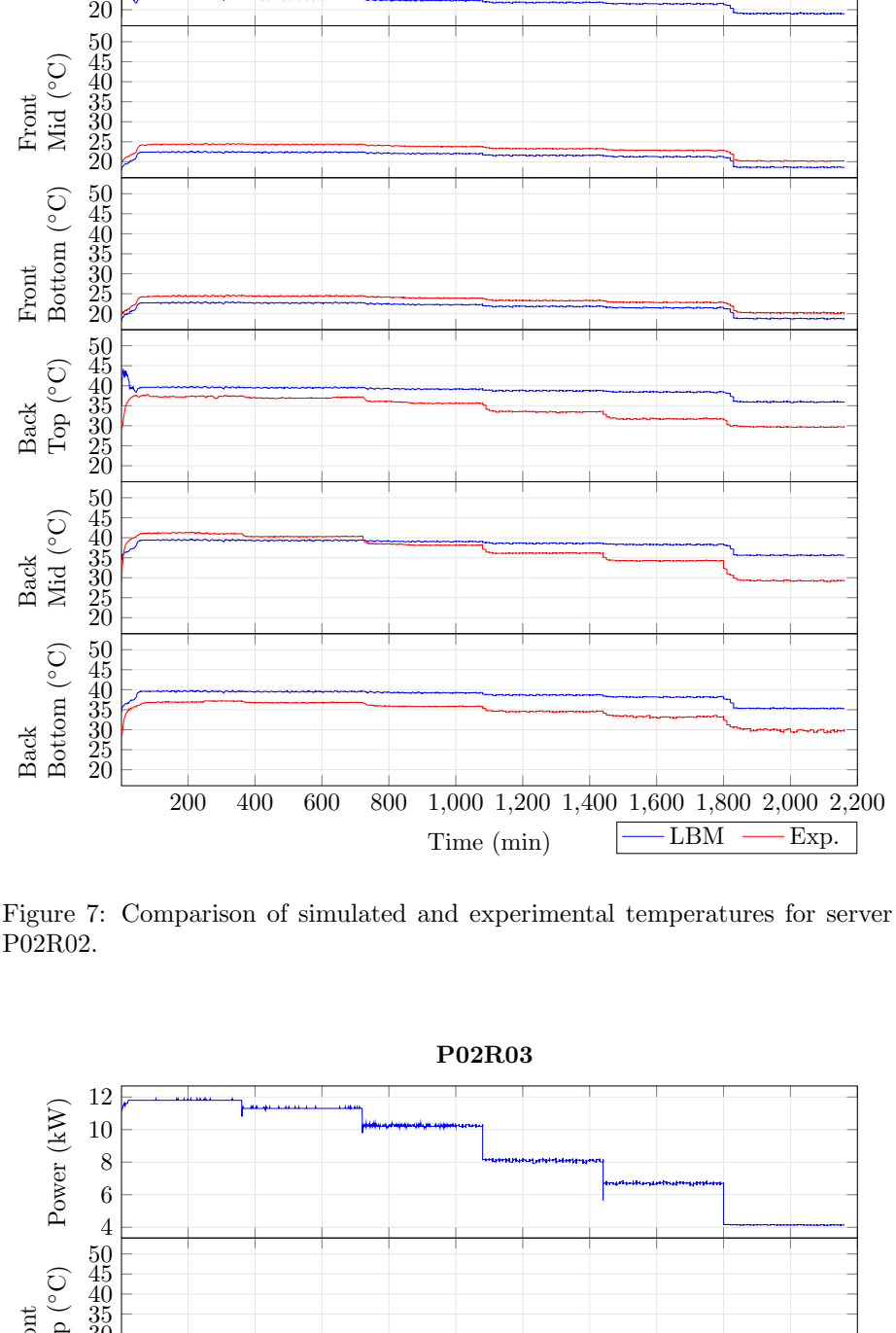


Figure 5: Comparison of simulated and experimental temperatures for CRAC unit P02HDZ04.

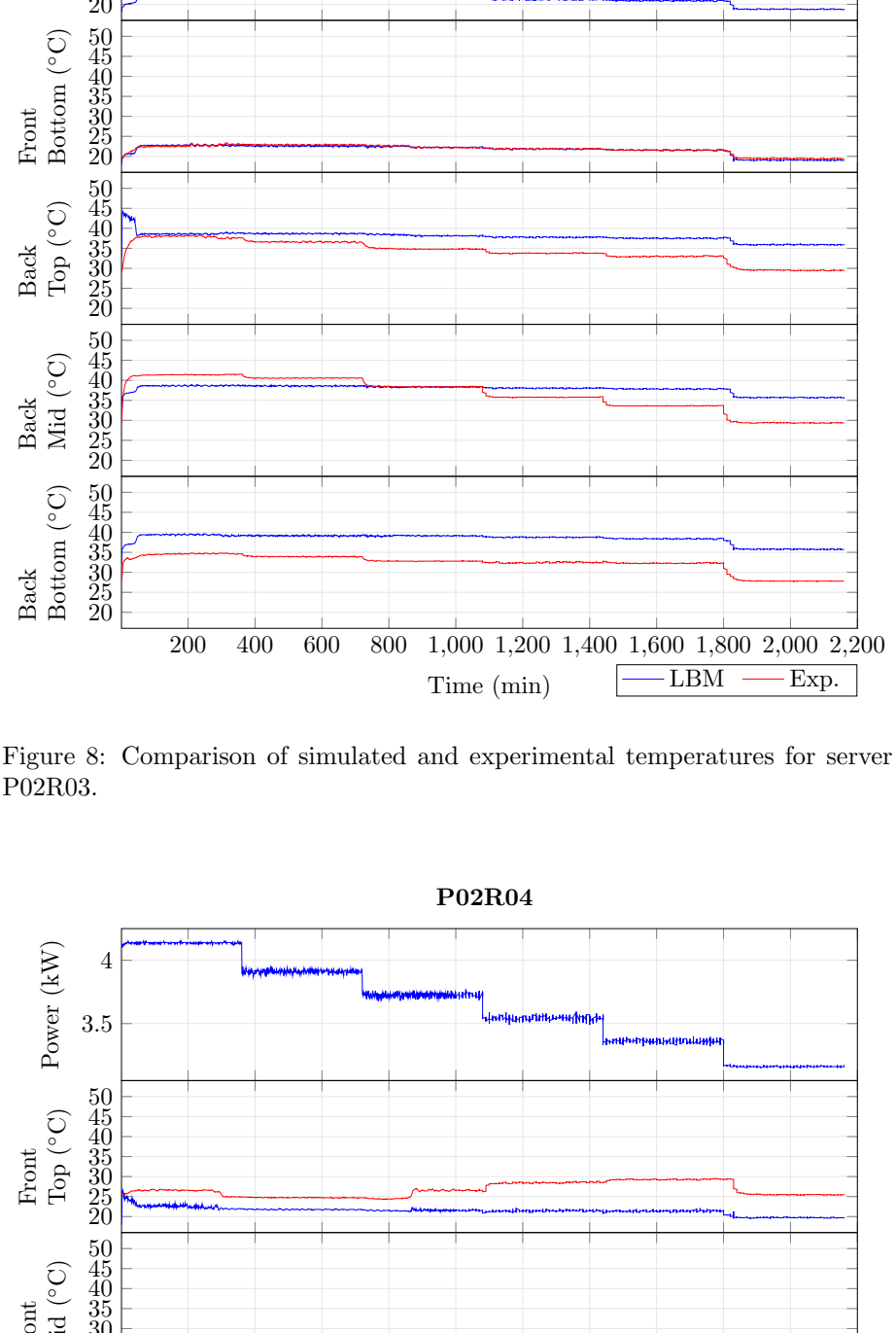


Figure 6: Comparison of simulated and experimental temperatures for server P02R01.

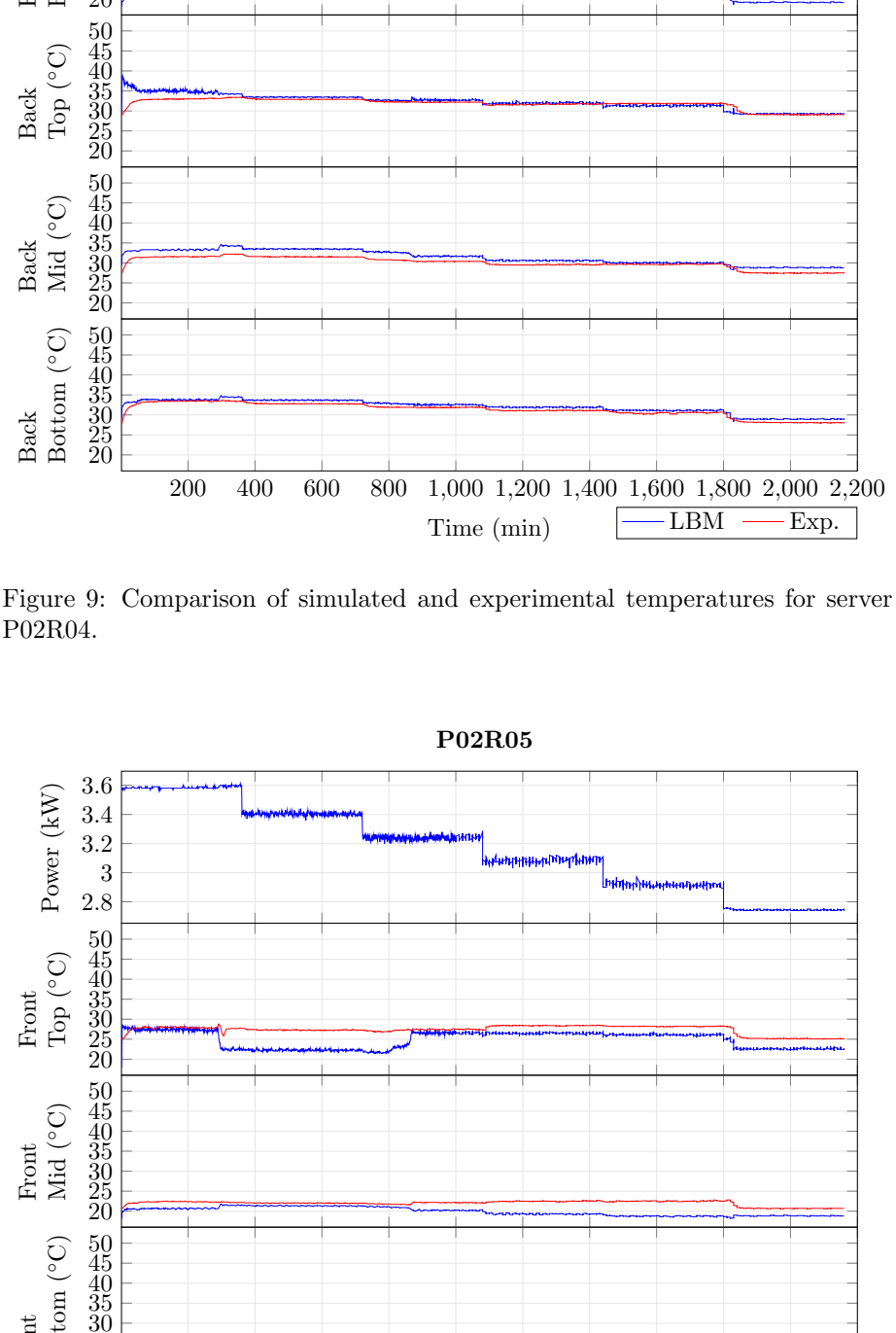


Figure 7: Comparison of simulated and experimental temperatures for server P02R02.

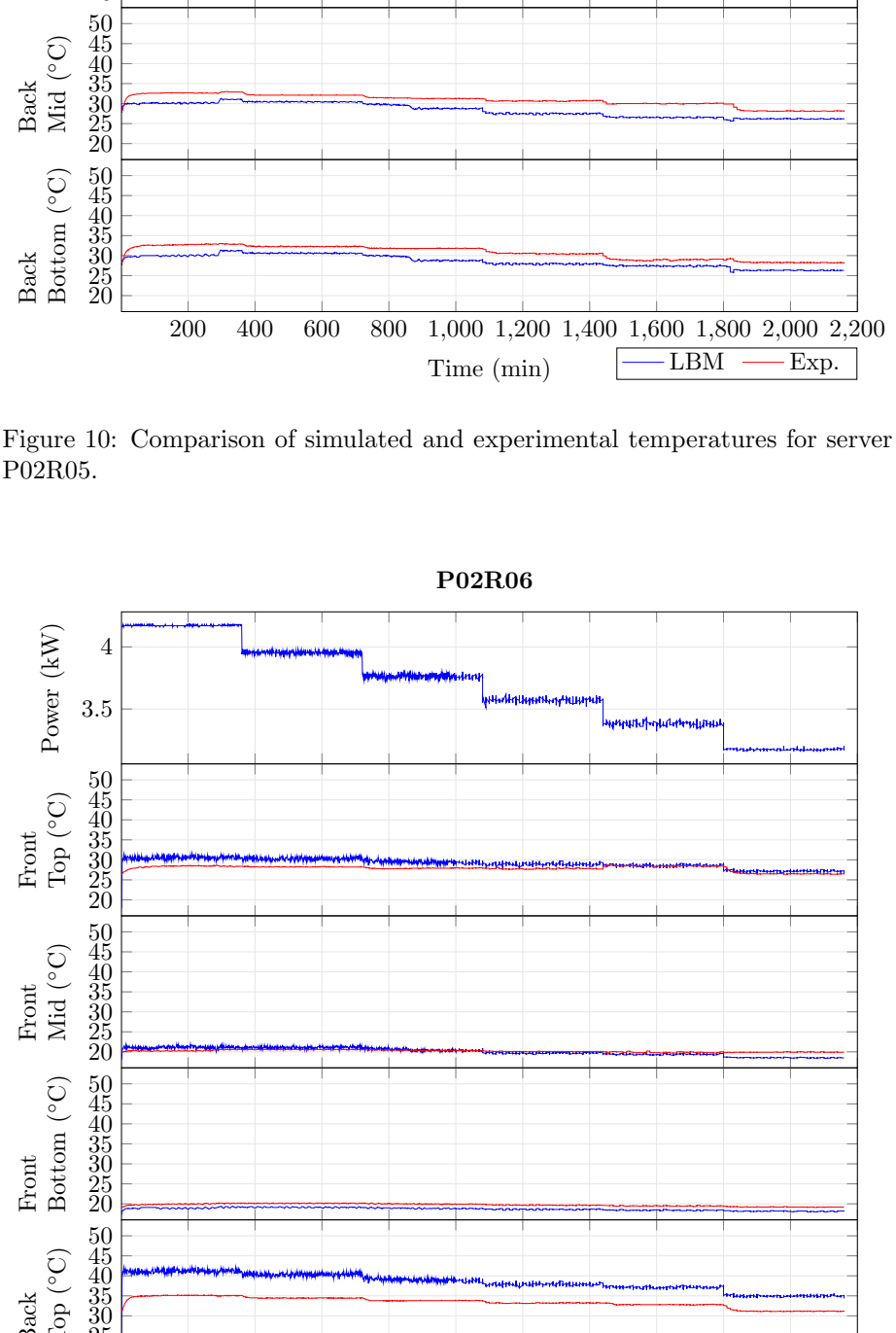


Figure 8: Comparison of simulated and experimental temperatures for server P02R03.

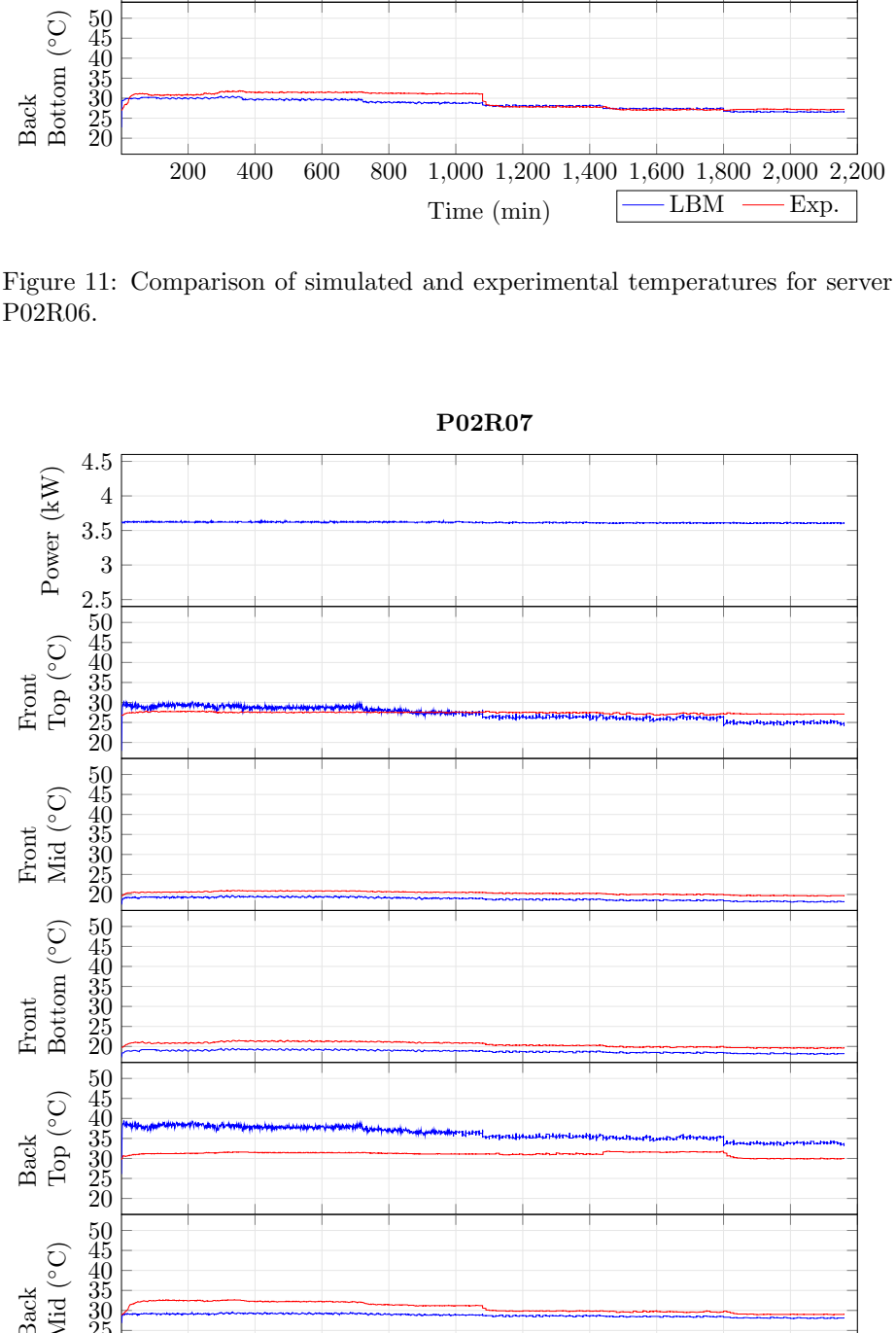


Figure 9: Comparison of simulated and experimental temperatures for server P02R04.

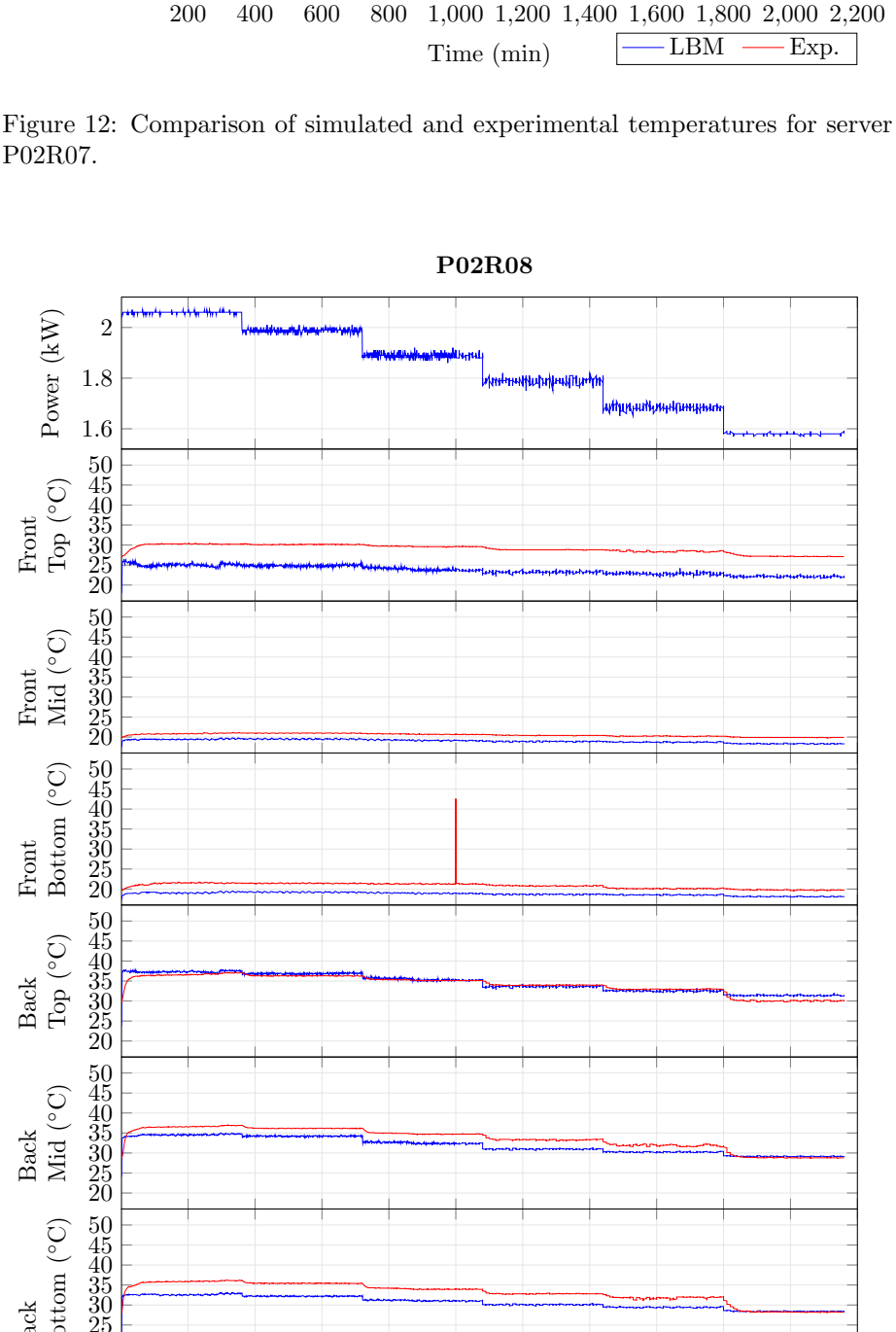


Figure 10: Comparison of simulated and experimental temperatures for server P02R05.

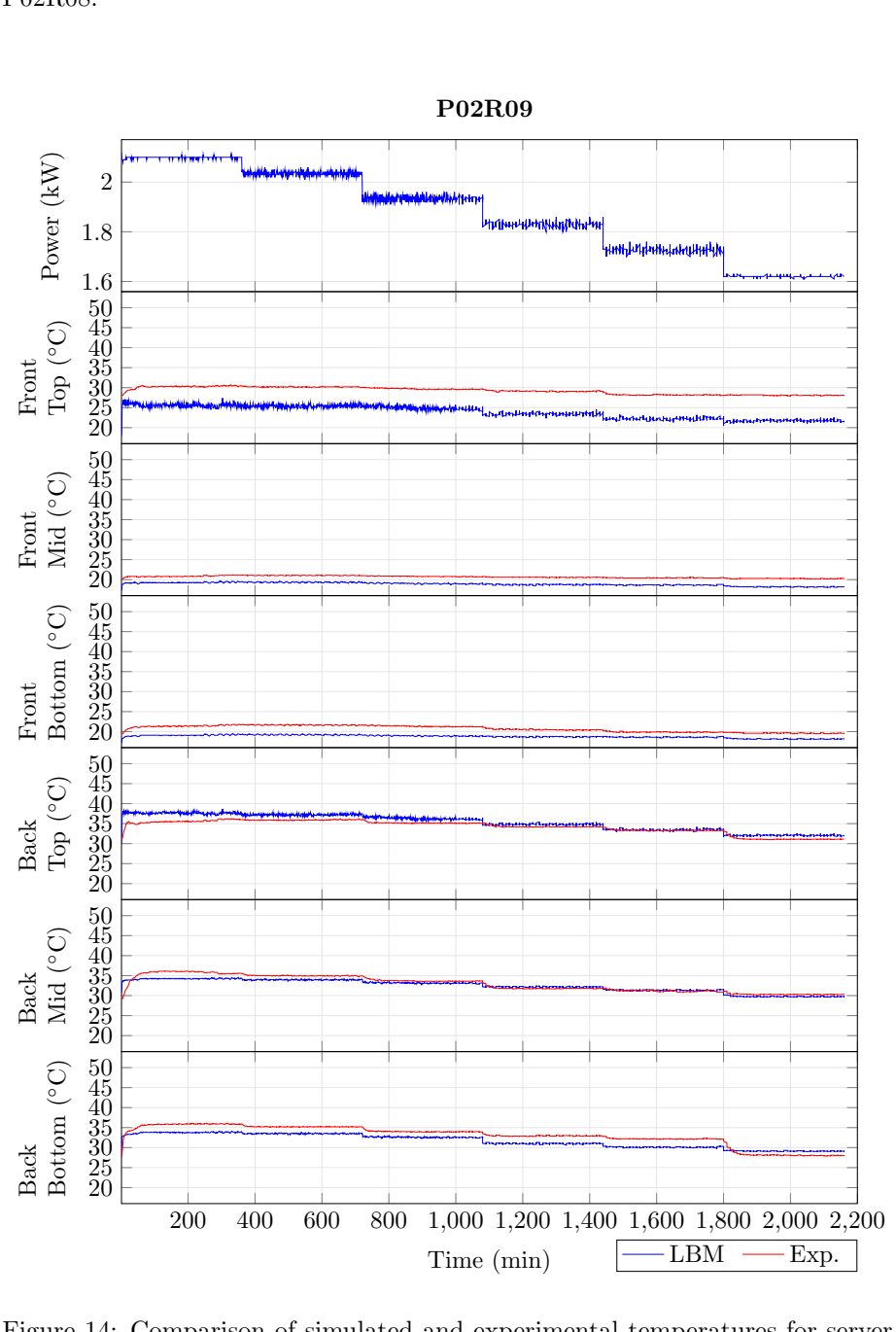


Figure 11: Comparison of simulated and experimental temperatures for server P02R06.

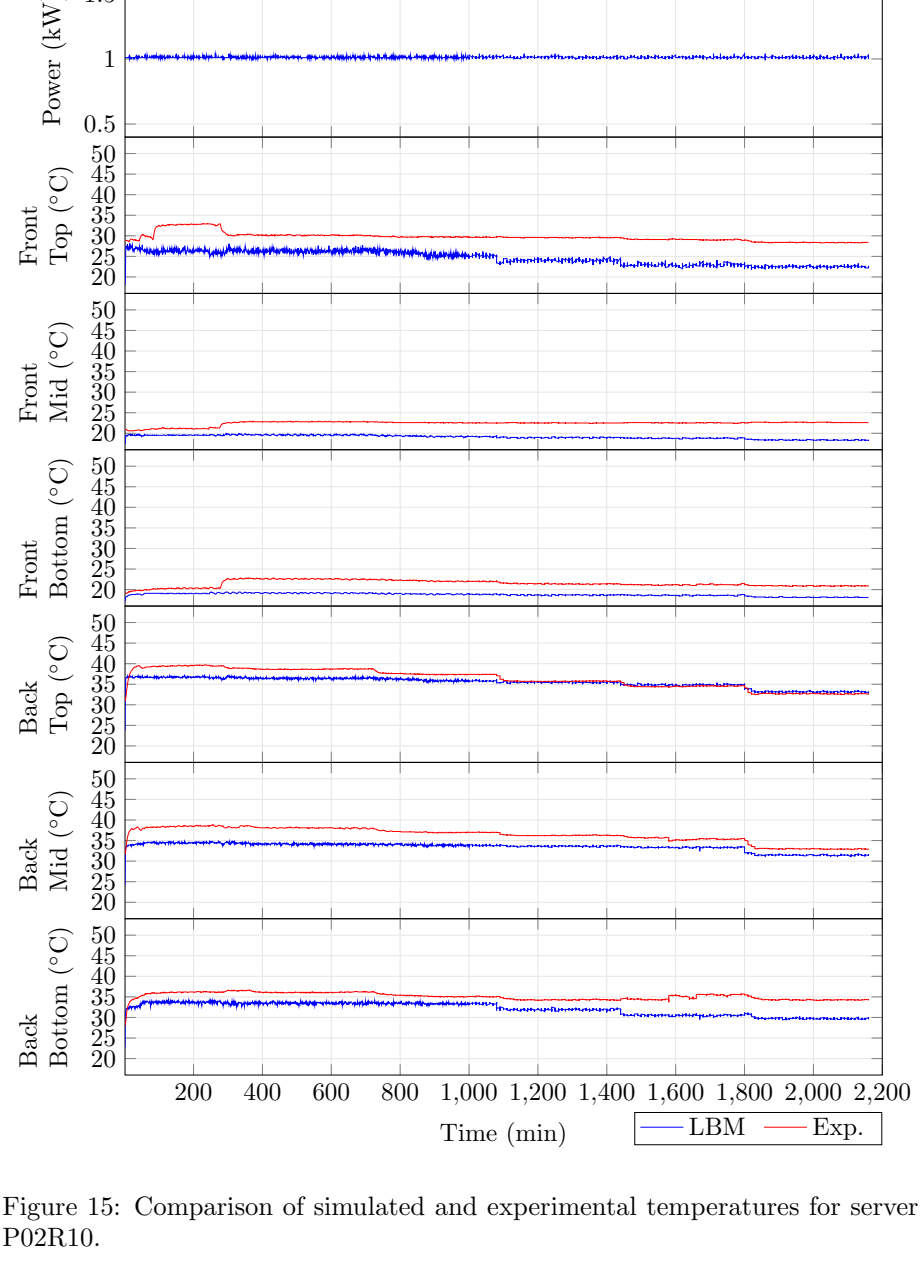


Figure 12: Comparison of simulated and experimental temperatures for server P02R07.

Figure 13: Comparison of simulated and experimental temperatures for server P02R08.

Figure 14: Comparison of simulated and experimental temperatures for server P02R09.

Figure 15: Comparison of simulated and experimental temperatures for server P02R10.