

Geyser daily report for Sunday, October 11

1 Overview

Total hot water used 135.6 litres
Number of events larger than 10 litres 3
Number of events smaller than 10 litres 4
Total number of events 7

Maximum hot water temperature 52.0 °C
Average hot water temperature 45.0 °C
Minimum hot water temperature 39.0 °C
Average ambient temperature at geyser 24.0 °C

Electrical energy consumed 6.6 kWh
Estimated cost of electricity R 9.90
Effective energy of hot water consumed 4.3 kWh
Energy loss due to radiation 2.3 kWh
Percentage energy wasted 34.8 %

2 Other participant comparison

Your Geyser ID is 107

ID	104.00	106.00	107.00	109.00	112.00
Total Volume (l)	40.30	266.80	135.60	79.30	62.90
Electrical energy (kWh)	3.60	12.10	6.60	6.70	6.90
Effective energy (kWh)	1.60	8.40	4.30	4.10	3.10
Est cost (R)	5.40	18.15	9.90	10.05	10.35
Energy loss (kWh)	2.00	3.70	2.30	2.60	3.80
Loss (%)	55.60	30.60	34.80	38.80	55.10
Out Min (C)	41.00	38.00	39.00	60.00	37.00
Out Mean (C)	46.00	43.00	45.00	63.00	44.00
Out Max (C)	54.00	48.00	52.00	69.00	62.00
In Min (C)	16.00	13.00	13.00	18.00	12.00
In Mean (C)	23.00	20.00	24.00	23.00	15.00
In Max (C)	32.00	31.00	43.00	32.00	22.00
Amb Min (C)	14.00	13.00	12.00	18.00	11.00
Amb Mean (C)	20.00	20.00	24.00	24.00	17.00
Amb Max (C)	29.00	30.00	43.00	35.00	24.00
Total #events	3.00	23.00	7.00	15.00	3.00
Large #events	1.00	8.00	3.00	2.00	1.00
Small #events	2.00	15.00	4.00	13.00	2.00
Packet loss (%)	0.28	0.35	1.18	11.25	0.56

3 Hot water usage event summary

Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
07:32:20	0.59	1.00	45.00	0.02	0.03
07:41:20	0.30	1.00	46.00	0.01	0.02
09:46:20	26.20	2.00	47.50	0.84	1.26
09:56:20	0.19	1.00	47.00	0.01	0.01
11:23:20	33.38	4.00	50.75	0.94	1.41
17:53:20	0.42	1.00	48.00	0.01	0.01
19:35:20	74.40	3.98	49.50	2.49	3.73

4 Graphs

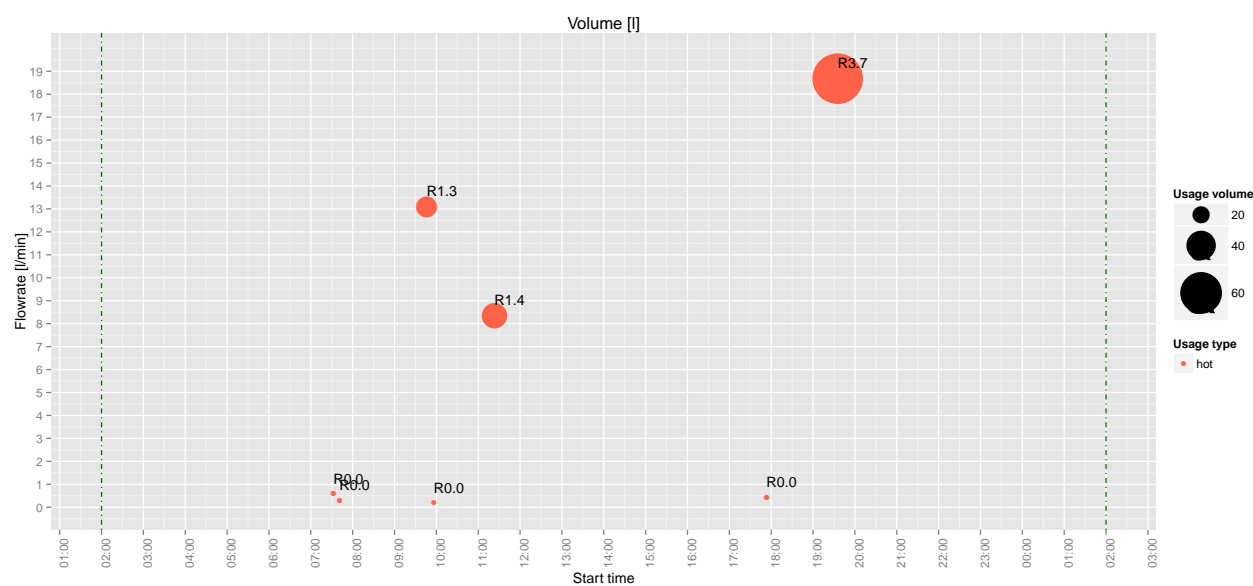


Figure 1: Usage events and volumes

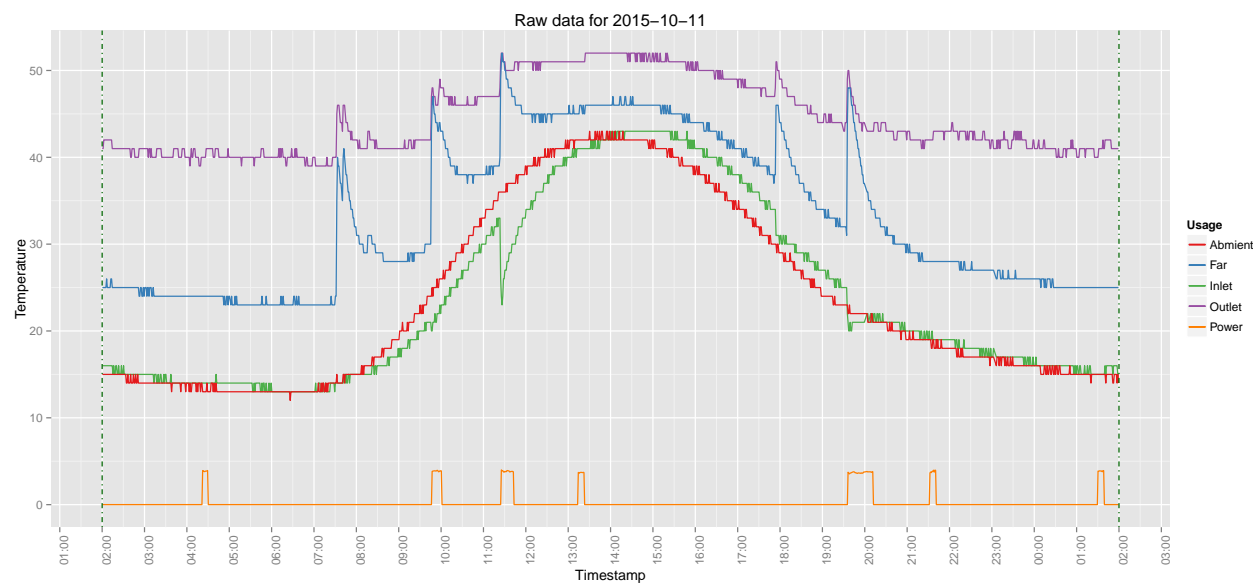


Figure 2: Raw data