

# Geyser daily report for Saturday, October 10

## 1 Overview

Total hot water used ..... 295.4 litres  
Number of events larger than 10 litres ..... 7  
Number of events smaller than 10 litres ..... 19  
Total number of events ..... 26

Maximum hot water temperature ..... 58.0 °C  
Average hot water temperature ..... 46.0 °C  
Minimum hot water temperature ..... 39.0 °C  
Average ambient temperature at geyser ..... 23.0 °C

Electrical energy consumed ..... 12.6 kWh  
Estimated cost of electricity ..... R 18.90  
Effective energy of hot water consumed ..... 10.6 kWh  
Energy loss due to radiation ..... 2.0 kWh  
Percentage energy wasted ..... 15.9 %

## 2 Other participant comparison

Your Geyser ID is ..... 107

ID	104.00	106.00	107.00	109.00	112.00
Total Volume (l)	0.00	180.70	295.40	112.50	55.70
Electrical energy (kWh)	2.50	9.50	12.60	9.00	6.20
Effective energy (kWh)	0.00	5.70	10.60	6.00	2.70
Est cost (R)	3.75	14.25	18.90	13.50	9.30
Energy loss (kWh)	2.50	3.80	2.00	3.00	3.50
Loss (%)	100.00	40.00	15.90	33.30	56.50
Out Min (C)	42.00	38.00	39.00	59.00	38.00
Out Mean (C)	45.00	44.00	46.00	64.00	42.00
Out Max (C)	52.00	48.00	58.00	70.00	61.00
In Min (C)	18.00	15.00	15.00	20.00	12.00
In Mean (C)	24.00	21.00	22.00	24.00	16.00
In Max (C)	31.00	28.00	36.00	31.00	19.00
Amb Min (C)	16.00	15.00	15.00	20.00	12.00
Amb Mean (C)	22.00	21.00	23.00	25.00	18.00
Amb Max (C)	29.00	29.00	39.00	33.00	23.00
Total #events	1.00	40.00	26.00	16.00	2.00
Large #events	0.00	5.00	7.00	2.00	1.00
Small #events	1.00	35.00	19.00	14.00	1.00
Packet loss (%)	0.62	0.00	1.74	10.56	0.35

### 3 Hot water usage event summary

Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
07:05:21	0.20	1.00	45.00	0.01	0.01
07:59:20	0.40	1.00	45.00	0.01	0.02
09:00:21	0.22	1.00	43.00	0.01	0.01
09:28:20	57.45	6.00	46.50	1.79	2.69
10:52:21	3.12	2.98	48.67	0.10	0.15
11:25:21	0.99	1.98	51.50	0.03	0.05
11:38:20	11.04	8.02	52.88	0.39	0.59
11:47:20	0.13	1.00	52.00	0.00	0.01
11:49:21	1.01	1.98	53.00	0.04	0.05
11:55:20	0.67	1.00	53.00	0.02	0.03
11:59:21	6.75	16.98	55.00	0.24	0.36
13:09:21	2.22	1.00	56.00	0.07	0.10
13:25:21	0.83	1.00	56.00	0.03	0.04
13:59:21	7.08	3.98	57.25	0.23	0.34
14:05:21	0.25	0.98	57.00	0.01	0.01
14:19:20	2.23	3.02	56.33	0.07	0.11
14:23:21	5.26	8.00	57.00	0.20	0.30
14:32:21	1.62	1.00	57.00	0.06	0.09
15:06:21	3.64	1.98	55.00	0.12	0.18
15:15:20	32.24	4.00	55.75	1.18	1.77
19:49:21	32.18	3.00	51.67	1.16	1.74
19:58:21	0.15	0.98	51.00	0.01	0.01
20:04:21	16.97	1.98	53.00	0.65	0.98
21:04:20	0.14	1.00	48.00	0.00	0.01
22:41:21	82.78	5.98	52.50	3.19	4.79
22:51:21	25.84	2.00	51.00	0.95	1.42

# 4 Graphs

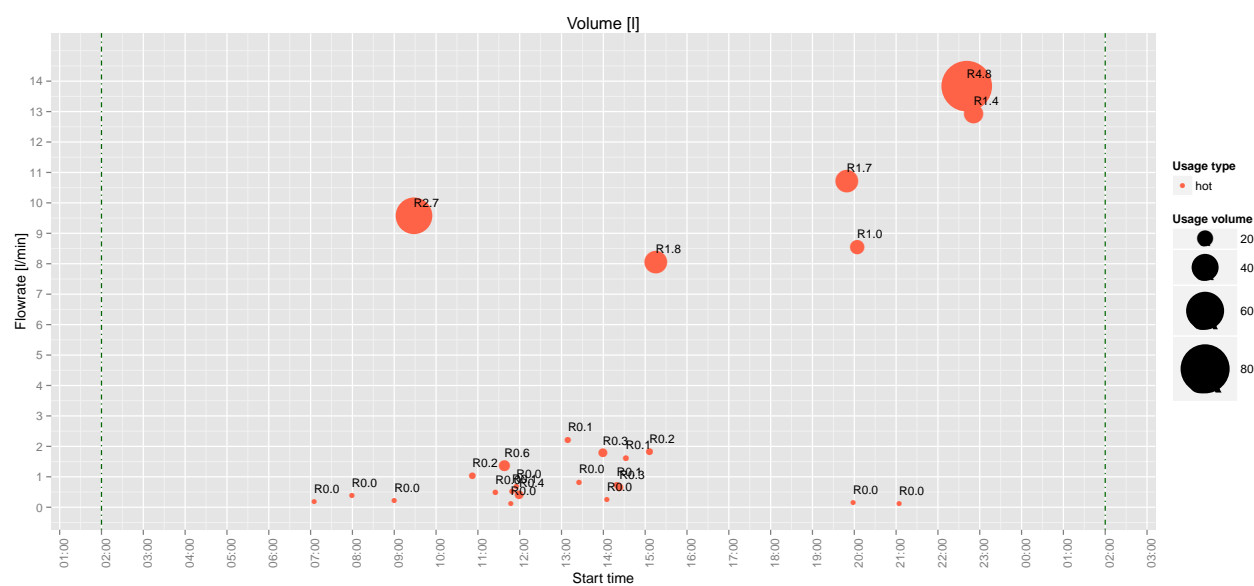


Figure 1: Usage events and volumes

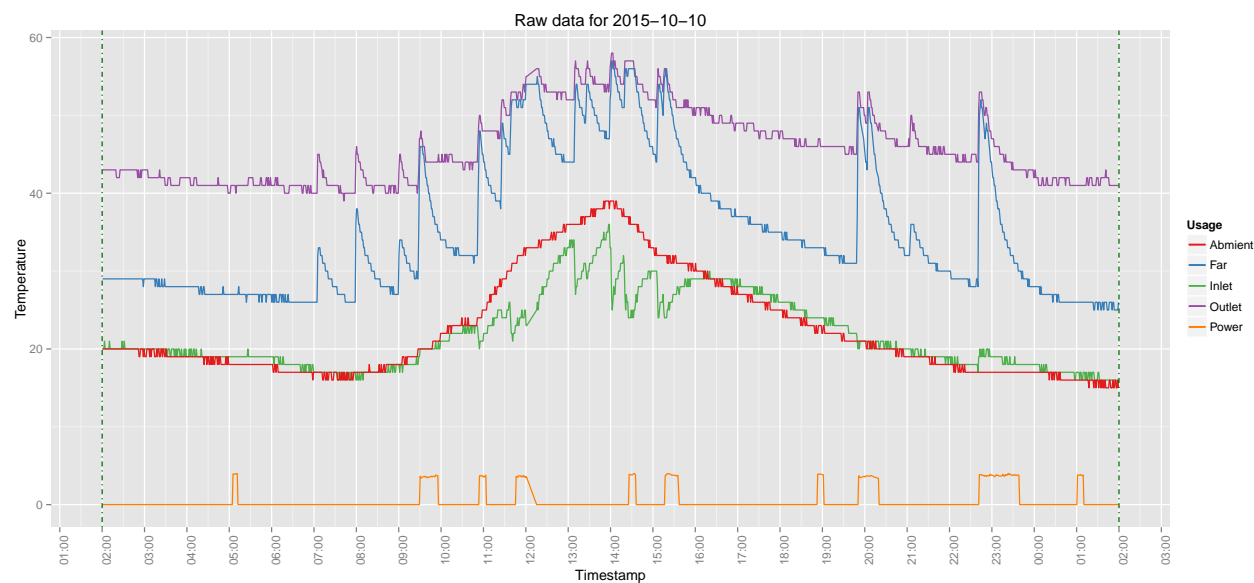


Figure 2: Raw data