

Geyser daily report for Friday, October 09

1 Overview

Total hot water used	202.3 litres
Number of events larger than 10 litres	4
Number of events smaller than 10 litres	32
Total number of events	36
Maximum hot water temperature	58.0 °C
Avarage hot water temperature	48.0 °C
Minimum hot water temperature	40.0 °C
Avarage ambient temperature at geyser	28.0 °C
Electrical energy consumed	8.3 kWh
Estimated cost	R 12.45
Effective energy of hot water consumed	6.5 kWh
Energy loss due to radiation	1.8 kWh
Percentage energy wasted	21.7 %

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	214.00	202.30	75.70	57.60
Electrical energy (kWh)	1.90	9.10	8.30	6.10	5.50
Effective energy (kWh)	0.00	6.70	6.50	4.20	2.90
Est cost (R)	2.85	13.65	12.45	9.15	8.25
Energy loss (kWh)	1.90	2.40	1.80	1.90	2.60
Loss (%)	100.00	26.40	21.70	31.10	47.30
Out Min (C)	42.00	39.00	40.00	59.00	41.00
Out Mean (C)	47.00	44.00	48.00	64.00	47.00
Out Max (C)	54.00	50.00	58.00	70.00	62.00
In Min (C)	18.00	16.00	17.00	20.00	13.00
In Mean (C)	28.00	23.00	26.00	27.00	19.00
In Max (C)	41.00	35.00	46.00	36.00	23.00
Amb Min (C)	16.00	15.00	17.00	21.00	15.00
Amb Mean (C)	25.00	24.00	28.00	28.00	22.00
Amb Max (C)	36.00	38.00	47.00	38.00	29.00
Total #events	1.00	28.00	36.00	15.00	4.00
Large #events	0.00	8.00	4.00	2.00	2.00
Small #events	1.00	20.00	32.00	13.00	2.00
Packet loss (%)	0.00	0.00	0.76	5.76	0.00

3 Hot water usage event summary

Start time	Volume (l)	Duration	Avg temperature	Est energy (kWh)	Est cost (R)
07:39:21	34.23	3.00	46.33	1.06	1.59
08:03:21	0.69	1.00	48.00	0.02	0.03
08:05:21	60.01	7.00	50.43	2.13	3.20
08:34:22	0.32	1.00	48.00	0.01	0.02
08:43:21	0.33	1.00	51.00	0.01	0.02
08:48:21	1.12	1.00	52.00	0.04	0.06
09:20:21	0.28	1.00	50.00	0.01	0.01
09:56:22	1.94	1.98	52.50	0.07	0.10
10:15:21	0.27	1.00	51.00	0.01	0.01
10:40:21	4.92	2.00	52.00	0.14	0.21
11:15:21	0.23	1.00	54.00	0.01	0.01
11:38:21	1.29	1.00	54.00	0.03	0.05
11:41:21	3.63	2.00	55.50	0.12	0.18
11:53:21	0.70	2.00	55.00	0.02	0.03
12:19:21	1.52	1.00	55.00	0.04	0.06
12:23:21	2.58	2.00	55.50	0.07	0.11
12:26:21	6.93	2.00	56.00	0.23	0.34
12:35:21	0.25	1.00	56.00	0.01	0.01
12:40:21	0.34	1.00	57.00	0.01	0.01
12:57:21	0.82	1.00	56.00	0.02	0.03
12:59:21	0.52	1.00	57.00	0.01	0.02
13:01:21	0.41	1.00	57.00	0.01	0.02
13:27:21	0.50	1.00	57.00	0.01	0.02
14:10:21	1.98	1.00	56.00	0.04	0.06
14:14:21	6.52	3.00	57.33	0.22	0.34
14:18:21	0.76	2.00	57.00	0.02	0.04
14:27:21	0.12	1.00	56.00	0.00	0.00
14:39:21	0.93	1.00	58.00	0.03	0.04
14:48:21	1.18	2.00	57.50	0.03	0.05
14:54:21	2.22	2.00	57.00	0.06	0.10
15:03:21	0.52	1.00	57.00	0.01	0.02
15:39:21	20.83	4.00	56.75	0.58	0.87
16:01:21	0.62	1.00	56.00	0.02	0.02
16:03:21	0.25	1.00	57.00	0.01	0.01
19:30:21	42.19	3.00	52.00	1.37	2.06
19:43:21	0.12	1.00	51.00	0.00	0.01

4 Graphs

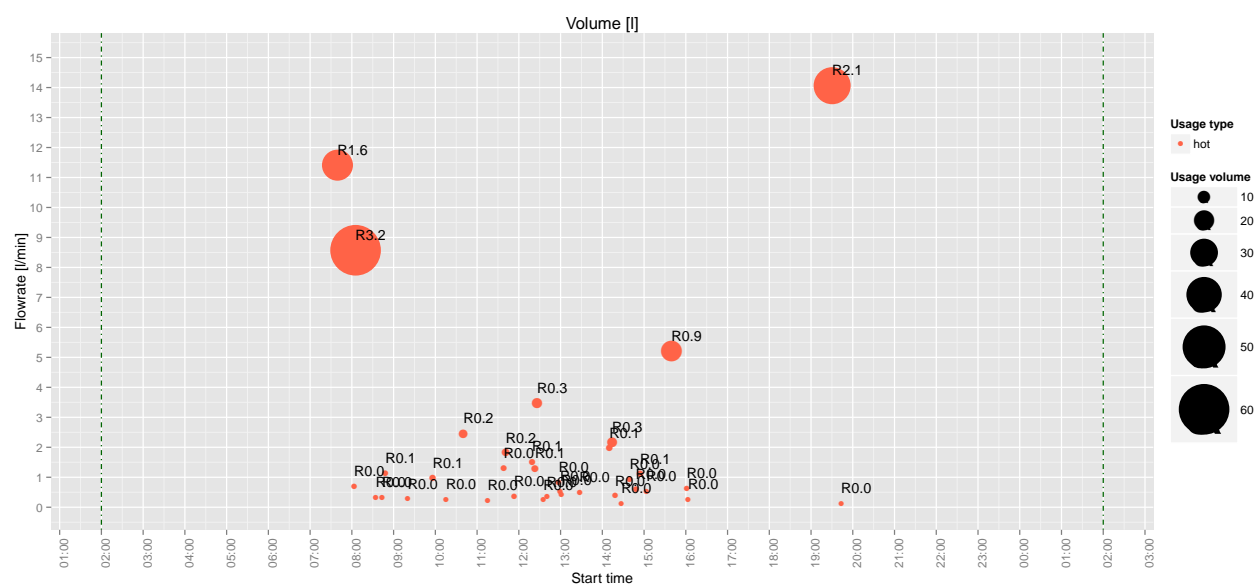


Figure 1: Usage events and volumes

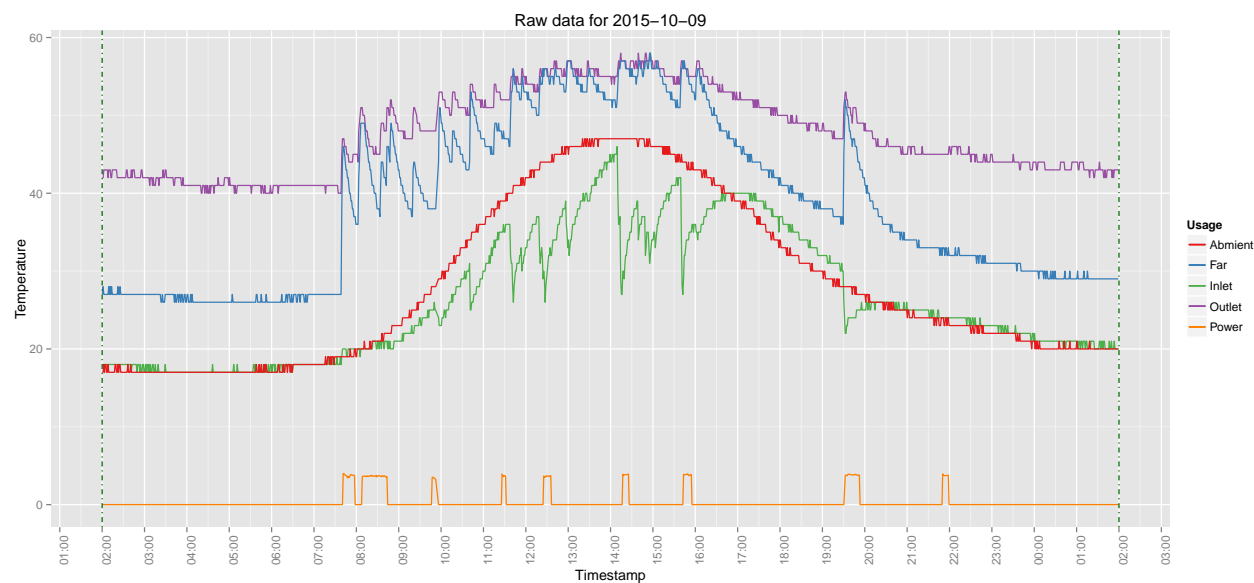


Figure 2: Raw data