Geyser daily report for Sunday, October 11

1 Overview

Total hot water used ..... 266.8 litres
Number of events larger than 10 litres 8
Number of events smaller than 10 litres 15
Total number of events 23

Maximum hot water temperature ..... 48.0 °C
Avarage hot water temperature ..... 43.0 °C
Minimum hot water temperature ..... 38.0 °C
Avarage ambient temperature at geyser ..... 20.0 °C

Electrical energy consumed ..... 12.1 kWh
Estimated cost ..... R 18.15
Effective energy of hot water consumed ..... 8.4 kWh
Energy loss due to radiation ..... 3.7 kWh
Percentage energy wasted ..... 30.6 %

2 Other participant comparison

Your Geyser ID is 106

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)
06:52:39	10.63	3.00	42.33	0.32	0.48
07:04:39	2.82	3.00	43.67	0.09	0.13
07:12:39	1.34	2.00	45.00	0.04	0.07
07:30:39	0.15	1.00	45.00	0.00	0.01
08:00:39	0.29	0.98	45.00	0.01	0.01
09:03:39	0.33	1.00	46.00	0.01	0.01
09:20:39	0.39	0.98	45.00	0.01	0.01
09:23:39	29.51	12.00	47.82	0.97	1.46
09:38:39	1.22	1.00	47.00	0.04	0.06
09:40:38	7.92	4.02	47.50	0.26	0.38
09:47:39	1.13	2.00	47.00	0.03	0.05
11:02:39	16.71	4.00	47.75	0.52	0.78
11:07:39	11.54	2.00	48.00	0.38	0.56
11:10:39	47.68	13.00	48.00	1.55	2.32
11:25:39	1.13	2.00	48.00	0.03	0.05
11:30:39	38.94	11.00	47.60	1.24	1.87
13:23:38	0.28	1.02	47.00	0.01	0.01
16:52:38	3.20	1.02	45.00	0.09	0.13
19:06:39	42.27	18.98	43.32	1.23	1.84
19:49:39	0.12	1.00	43.00	0.00	0.01
20:48:39	44.18	4.00	46.25	1.45	2.18
21:32:39	4.90	2.00	46.00	0.16	0.23
22:07:39	0.13	1.00	44.00	0.00	0.01

4 Graphs

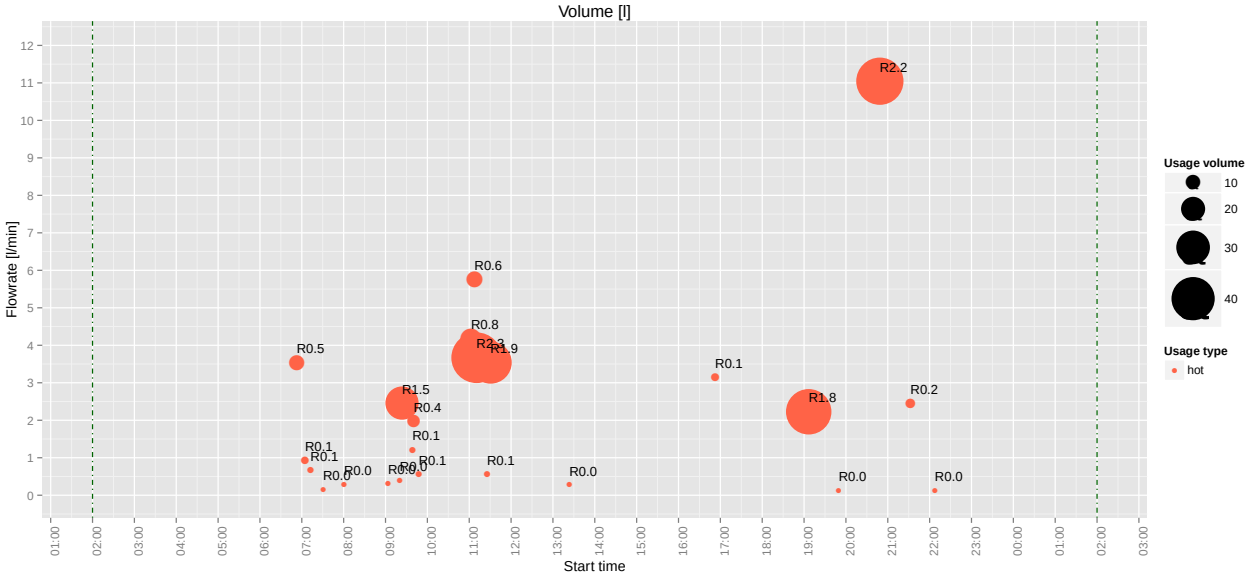

Figure 1: Usage events and volumes

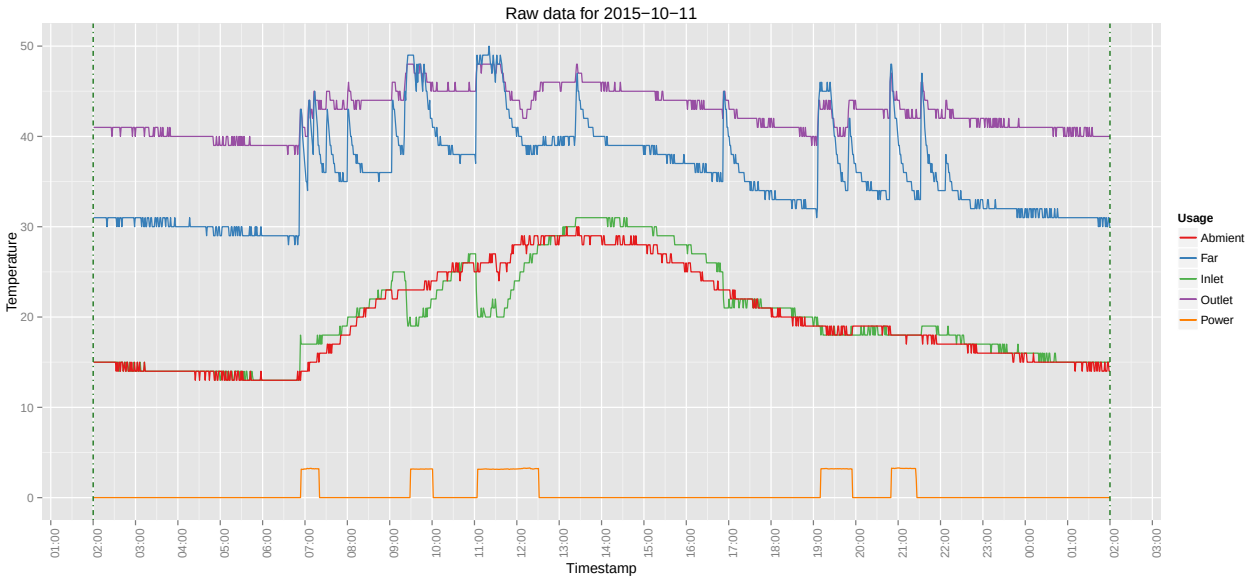

Figure 2: Raw data