

**eBolus Data**

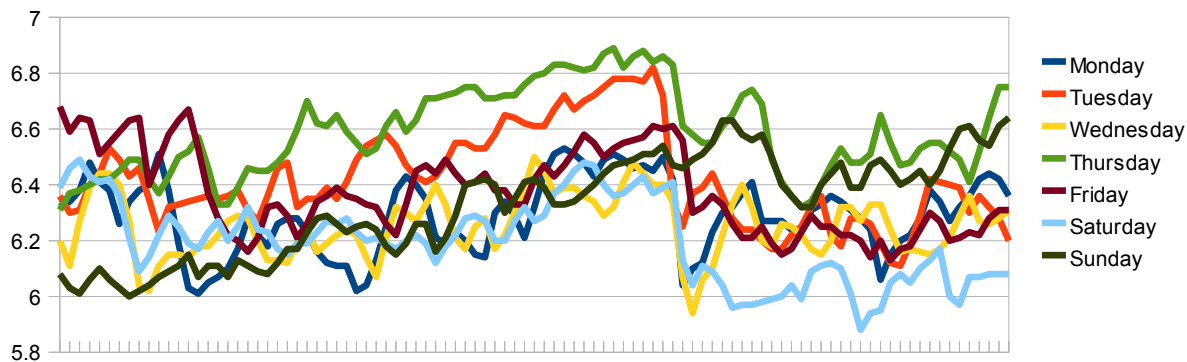
Data is stored and transmitted in Comma Separated Variable files that can be analysed by any standard package. The format of the raw data is

Date	Time	pH	Temp	Battery	Code
26/04/10	13:30:40	6.17	38.2	3.6	75
26/04/10	13:45:40	6.32	38.7	3.6	75
26/04/10	14:00:40	6.34	38.8	3.6	75
26/04/10	14:15:40	6.38	39	3.6	75
26/04/10	14:30:40	6.48	39.1	3.6	75

Analysis can be performed in a number of ways, here is a daily pH profile comparison over one week. The characteristic drop after the main morning feed shows up clearly. I suspect this cow was given plenty on Sunday morning (pale blue line followed by dark green) and none later as her pH level is the lowest throughout this day.

pH data for one week in one cow

Stall fed cows



15 minute intervals starting at 13.45 each day

There is a huge amount of data contained within a file which can be analysed in a number of ways. For example

pH data	bolus16
Number of days	7
Mean daily nadir	6.09
mean daily zenith	6.68
Hours below 6	1.5