CO2 Chamber: 100 g sodium bicarbonate in 5% acetic acid (5 hrs)

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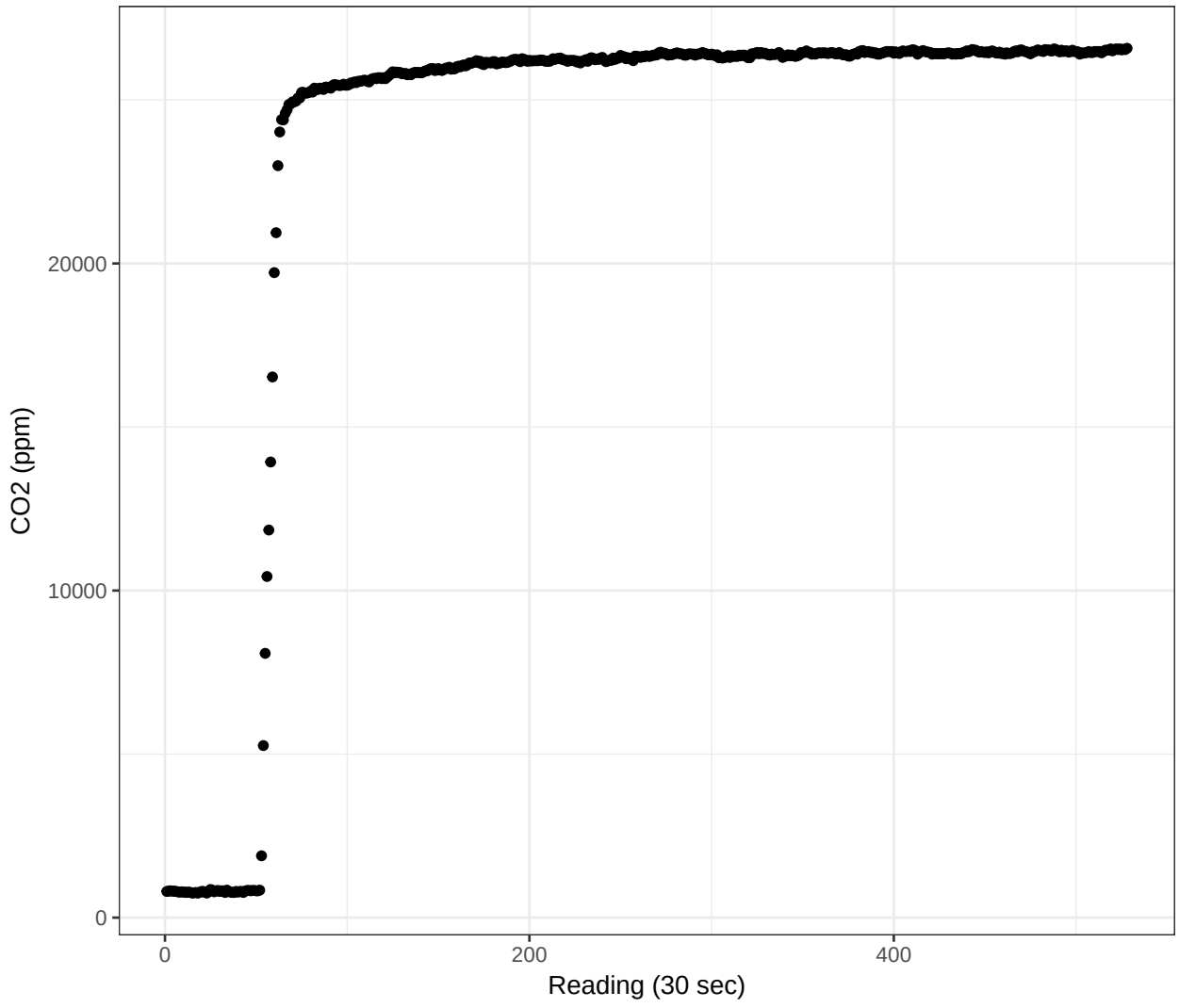
```
library(ggplot2)
```

```
dat1 <- read.csv(file = "May-18-2018-100g-test.csv", header = T)
dat2 <- read.csv(file = "May-18-2018-failed-test-today-but-last-point-before-opening.csv", header = T)
dat1$CO2 <- as.numeric(dat1$CO2)
dat2$CO2 <- as.numeric(dat2$CO2)
```

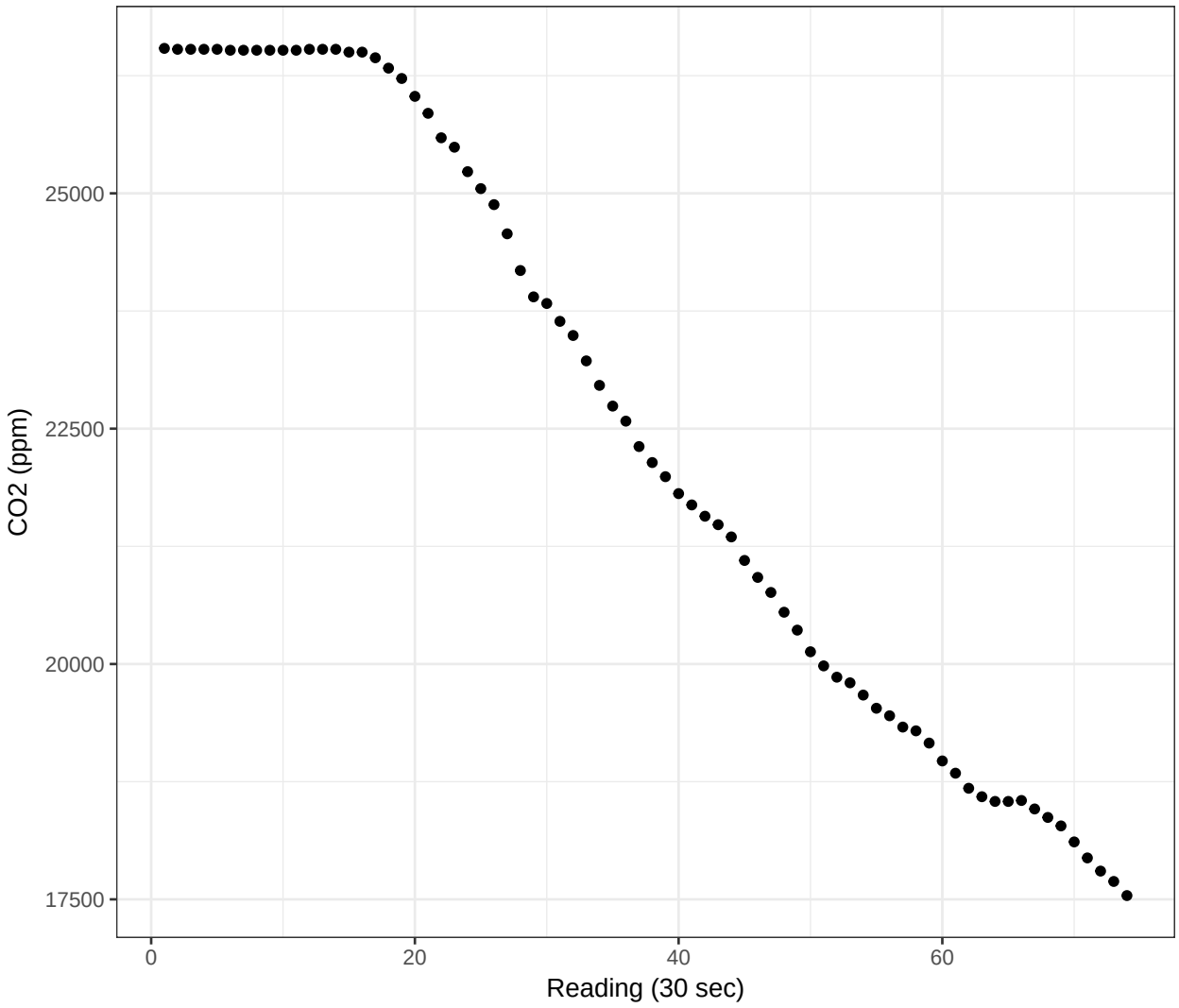
This plot shows the beginning of the reaction.

```
p <- ggplot(dat1, aes(x = Reading.30s, y = CO2))
p <- p + xlab("Reading (30 sec)") + ylab("CO2 (ppm)") + geom_point()
p + theme_bw()
```



At the end of the reaction, I opened the chamber and did another set of readings.

```
p <- ggplot(dat2, aes(x = Reading.30s, y = CO2))
p <- p + xlab("Reading (30 sec)") + ylab("CO2 (ppm)") + geom_point()
p + theme_bw()
```



The chamber held the %CO2 level for long enough to run a long set of measurements.