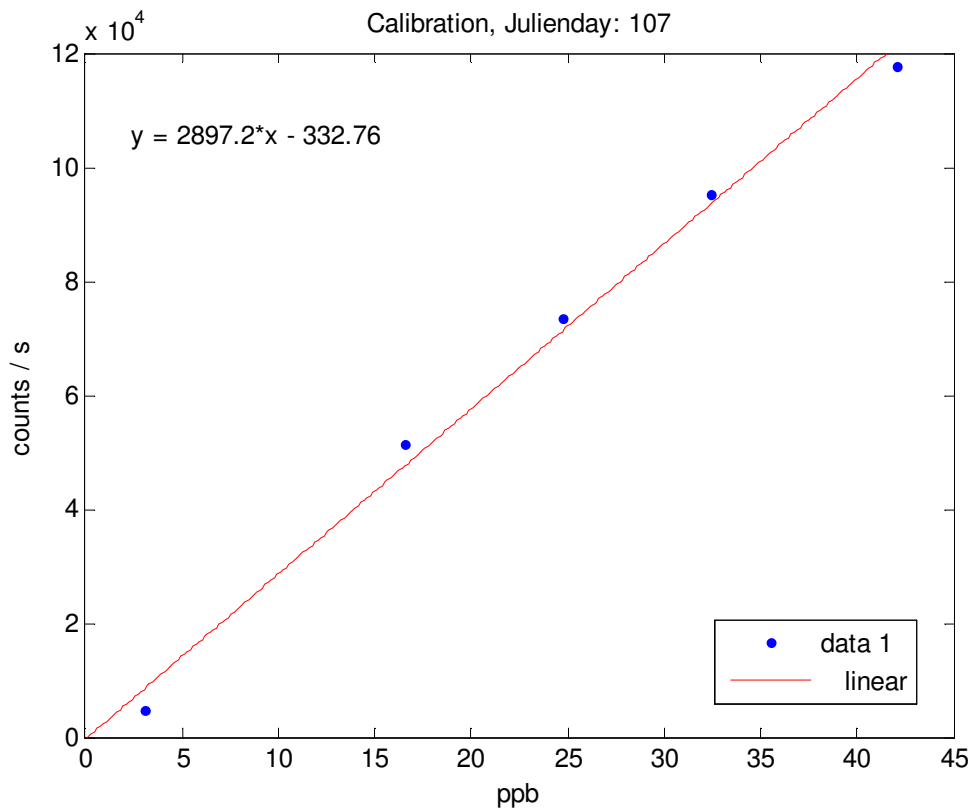


a) Calibration A

Purge line flow= 0 lpm  
 Sample flow = 1.25 lpm  
 NO flow = 3mp pm

PMT = -18.8 °C (dropped during calibration to -20°C)  
 RC = 27.8°C (dropped during calibration to 27.5°C)

Zero ~4600 counts\*s-1  
 100 ~53000 counts\*s-1, 14 ppb  
 150 ~74000 counts\*s-1, 22 ppb  
 200 ~95000 counts\*s-1, 28 ppb  
 250 ~118000 counts\*s-1, 38 ppb  
 zero ~4800 counts\*s-1



calibration from mast

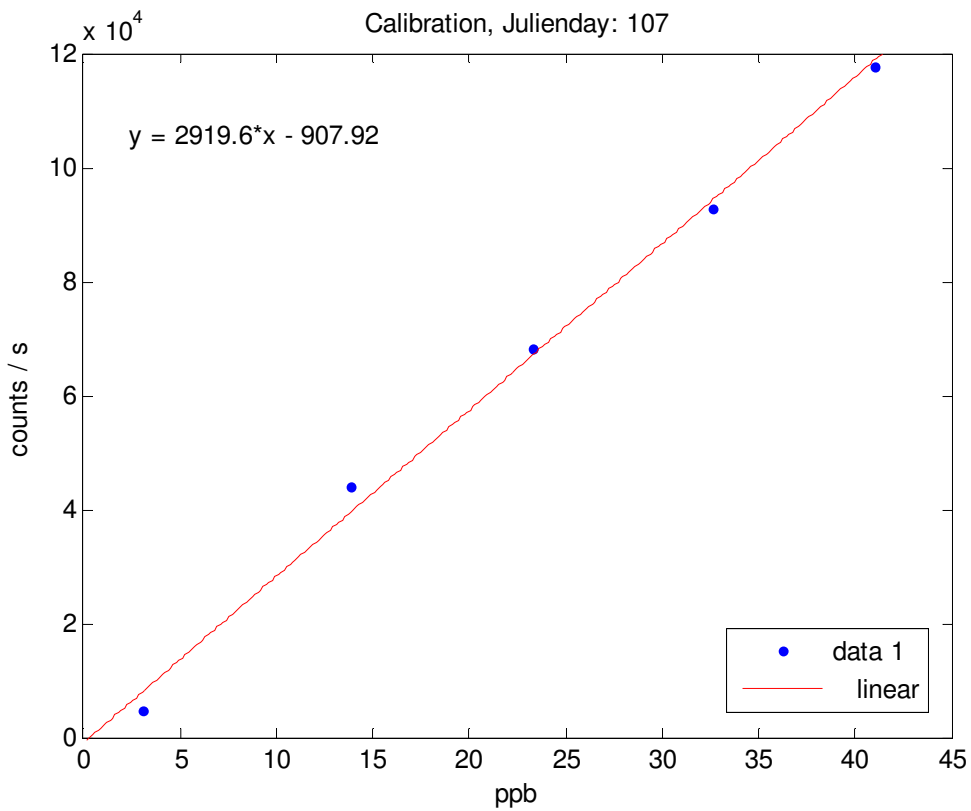
if I force ML to be 1 ppb for zero ozone  
 counts = 2769.6 x + 3835.2

## 2.) Calibration B

Purge line flow= 4 lpm  
Sample flow = 1.25 lpm  
NO flow = 3mp pm

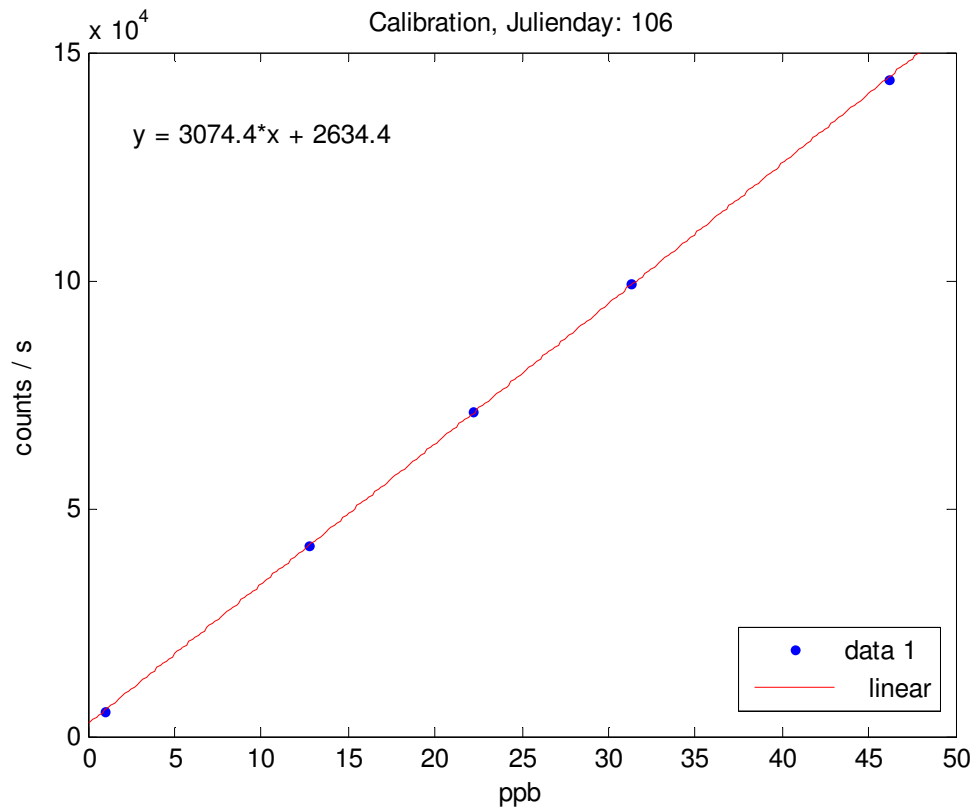
PMT = -19.6 °C  
RC = 28°C

Zero ~4700 counts\*s-1  
150 ~43000 counts\*s-1, 10 ppb  
250 ~68000 counts\*s-1, 19 ppb  
350 ~93000 counts\*s-1, 27 ppb  
450 ~117000 counts\*s-1, 36 ppb  
zero ~4600-4800 counts\*s-1

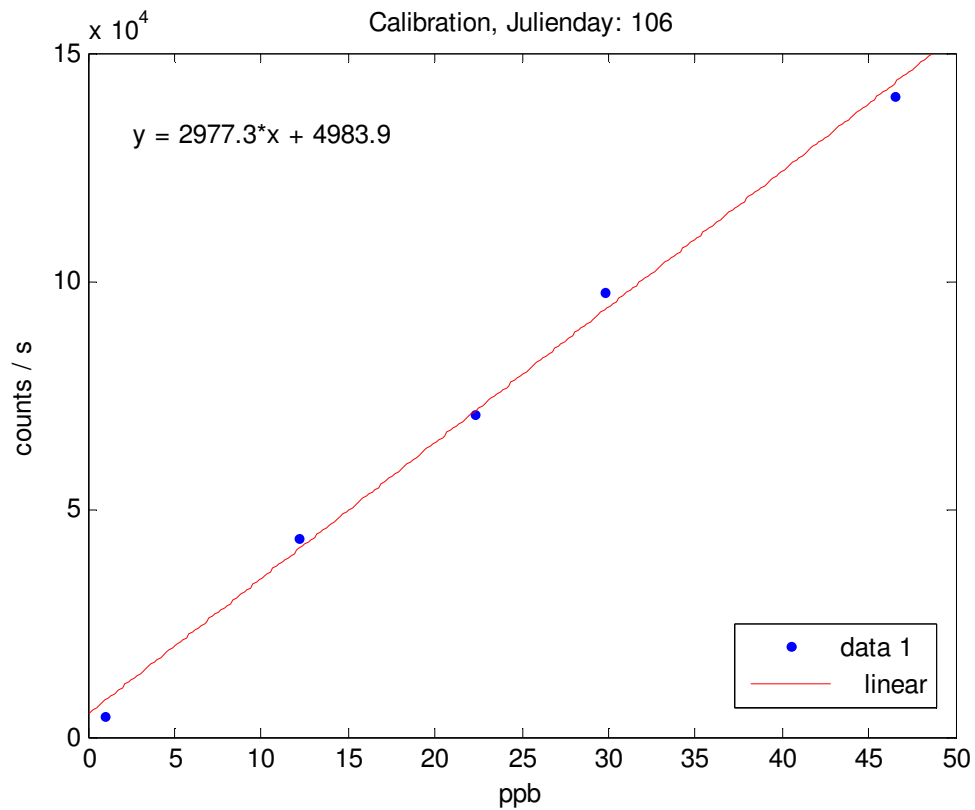


Calibration from box  
if I force ML to be 1 ppb for zero ozone  
counts = 2793.4 x + 3139.7

YESTERDAY:



Yesterday's calibration from mast if I force ML to be 1ppb for zero ozone



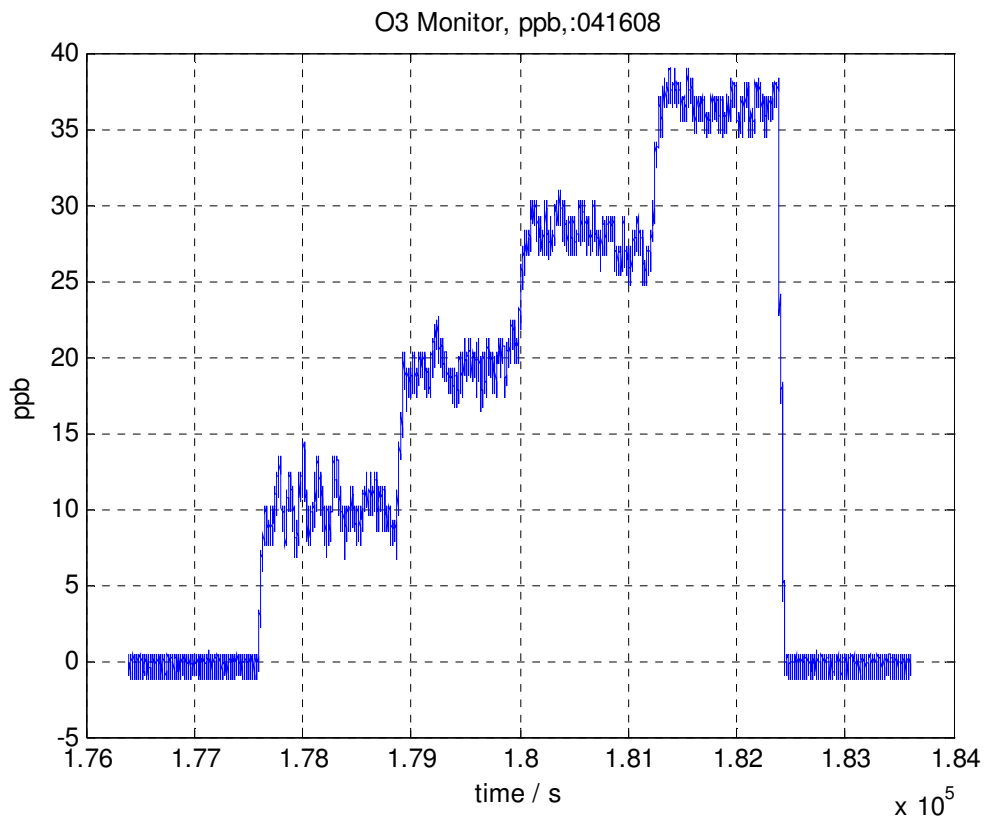
Yesterday's calibration from box if I force ML to be 1ppb for zero ozone

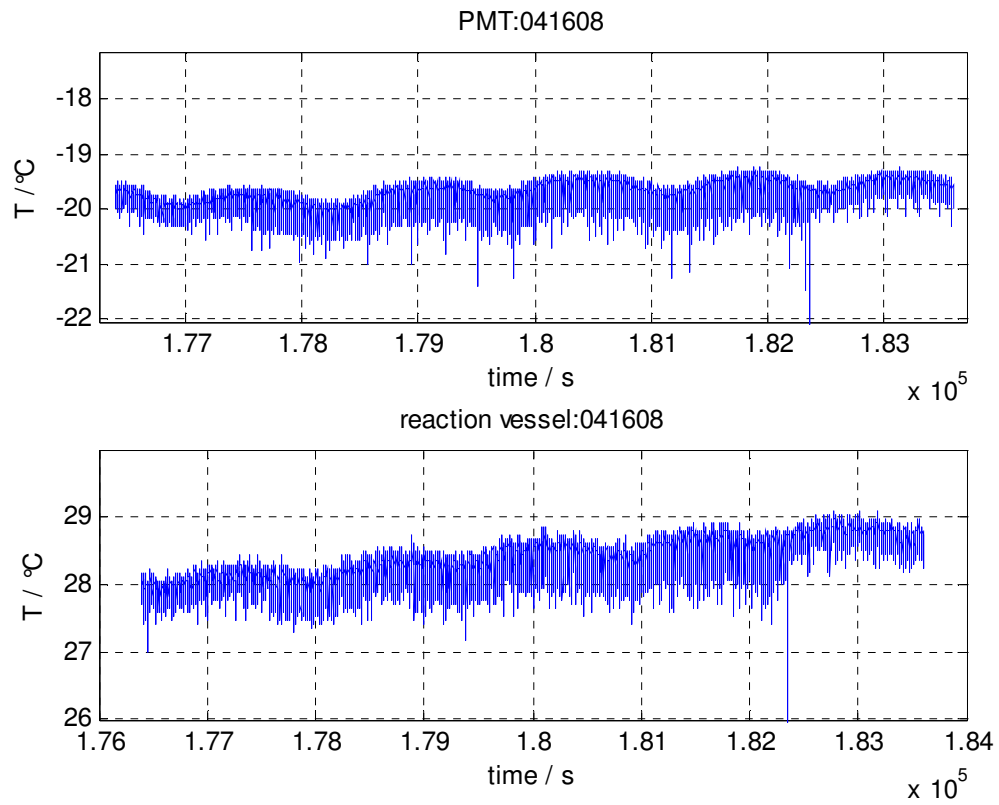
With the assumption Ludovic applied to his calibrations the calibrations of yesterday now both have positive intercepts and still higher slopes than earlier calibrations. Looking at today's calibrations on the other hand the slope has dropped again.

Ludovic's calibrations

Dates	Sensitivity (cps/ppb)	Y-intercept(ppb)
28.02.2008	3126	4952
29.02.2008	3008	5374
05.03.2008	2993	3391
17.03.2008	2711	3687
23.03.2008	2882	4088

As Ludovic mentioned before, the ML is pretty noisy. One option would be to do a calibration with the other ML and see if that one is less noisy





This data is two hours. The fact that we have a this waves could come from the AC.