

✓ 0:1 ± 1 Count ± 3

IMP ± 5 ± 15
20

IMT ± 1 ± 5

CLT ± 1 ± 3

Air Inlet Temp ± 1 ± 5

Exh. Back Pressure $\times$

Air Inlet Press. $\times$

CLT Flow 0 $\pm 340-360$ (ave. must be in band)

Water Jct. Press ± 5 ± 1

Fuel Flow ± 1 $\times$

Torque $\times$ ± 100 Delta

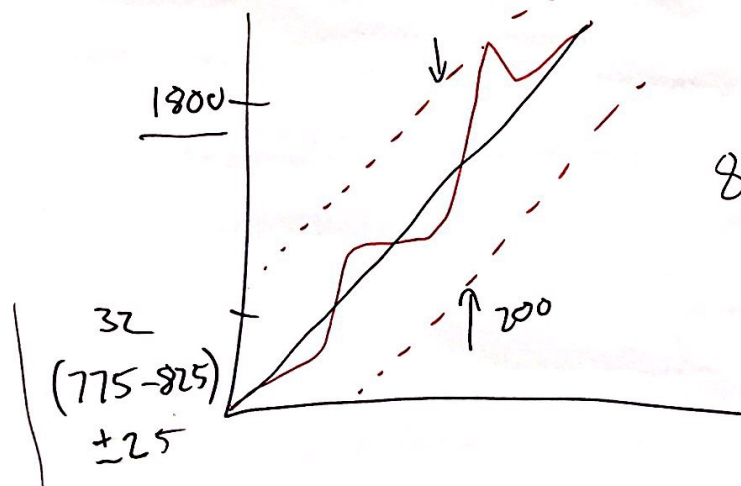
Speed ± 5 $\times$

"Time to Scuff"

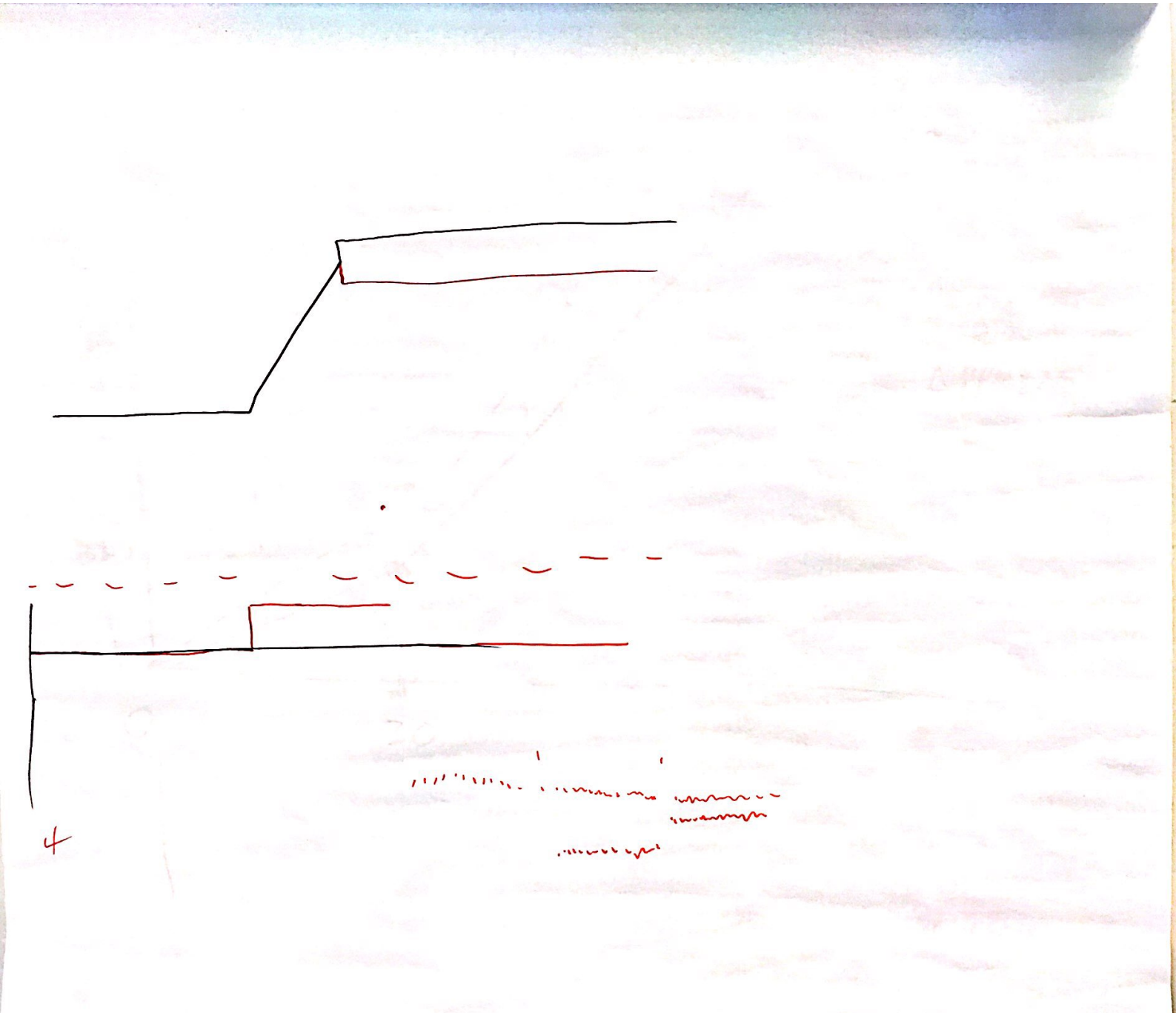
3.333 ± 0.166
 $\frac{Nm}{s}$ 10 sec
mov. ave.

$200 \pm 10 \frac{Nm}{min}$

$195-205 \frac{Nm}{min}$



800 - 1800 5
975 195
1000 Nm 200
1025 205



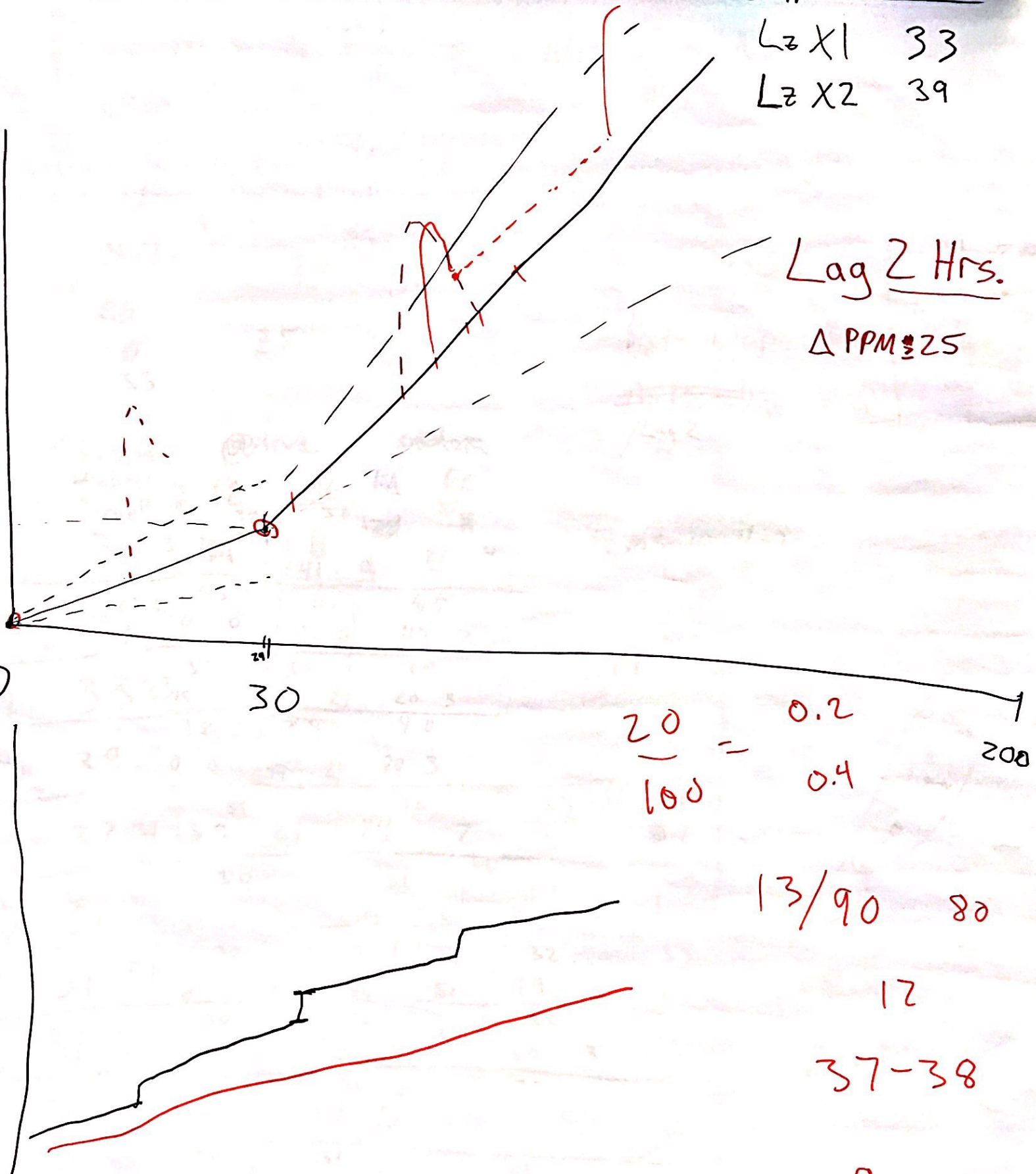
40 ppm BL Method

L_z X1 33

L_z X2 39

Lag 2 Hrs.

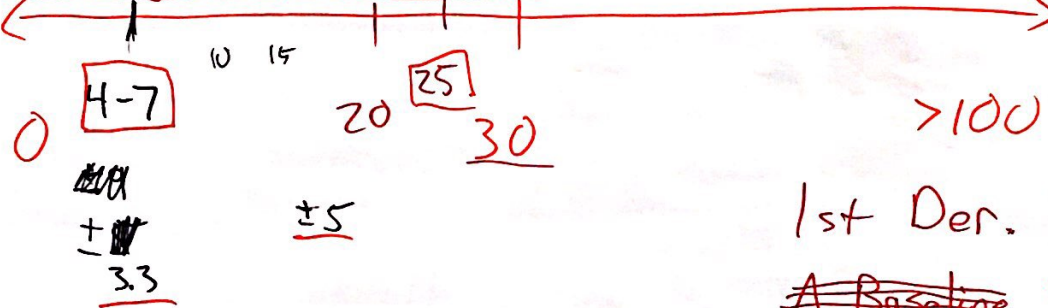
$\Delta \text{PPM} \approx 25$



Call it scuffed
when it not

Not scuffed/
actually scuffed

Safety with part insp/meas.



- Chrome @ 1000

Highest Lag
"True" 2Hr

LzC1 3 31 30 0 31 41 0 22 4

Fe No scuff 4-7

LzC2 44 44 0 0 49 214 11 47 2

LzX1 33 33 15 1 33 20 2 20 3

LzX2 39 39 0 0 47 2 80 3

IntC1 32 31 31 2 24 2 0 0 2

IntC2 31 31 0 0 114 6 30 4 1

IntX1 31 31 0 0 122 5 19 2 32 1

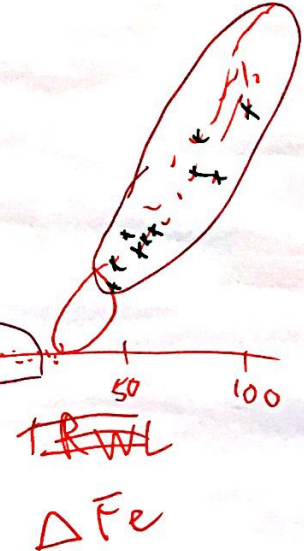
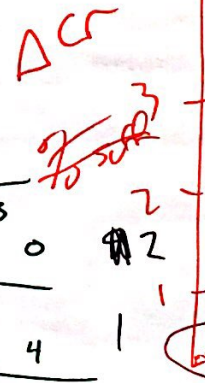
IntX2 31 31 0 0 88 4 60 3

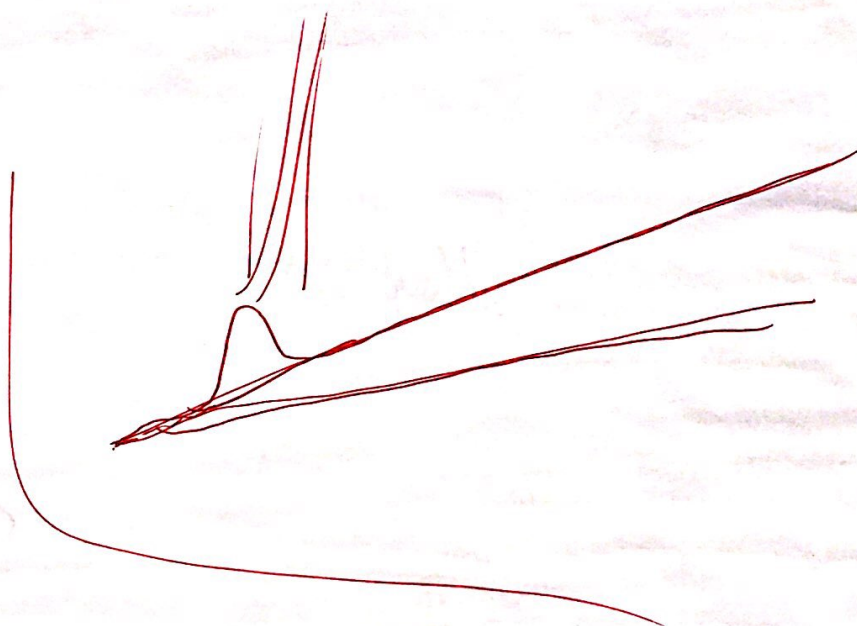
SwC1 31 31 0 0 124 8 32

SwC2 31 31 30 2 115 6 202 11

SwX2 31 31 30 0 96 6 32

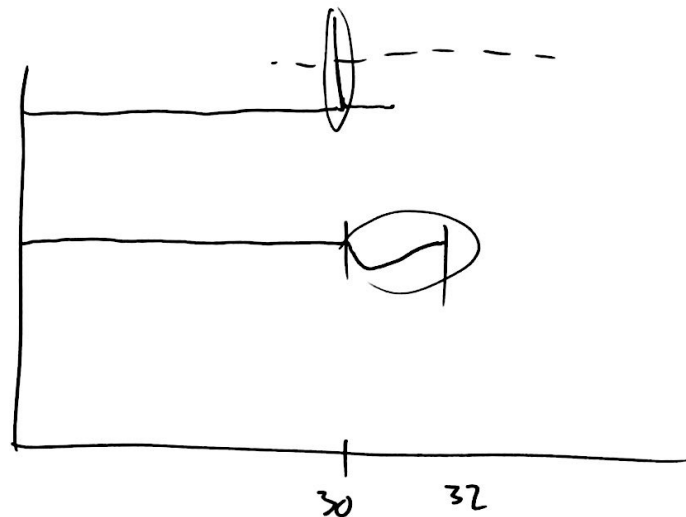
SwX3 121 121 11 9 51 1 122 44 2





Existing Lab

	Stand	Tests	Level	
New →	1	2	Z_{ei}	fast start Z_i
Existing →	2	Z or level i		
	3			



New Lab $\rightarrow$ 2 yrs.

2 tests @ level 3

Exist stand/lab $\rightarrow$ 1 test @ level 3

New Stands exist lab $\rightarrow$ 2 yrs.

2 tests ^{level 3} or level 1 on 1st run

15 Valid or 12 mos,
