KLM Meeting

update - counting bubbles

Sayan Mitra, 8th November, 2022

update - counting bubbles

- **Counted bubbling rate by eye-balling**
- **Connected bubbler channel 8,9 to Pi**
- **Ran the counter program**

🍓 update – counting bubbles

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Screenshot of the program

Pressure (psi)	Eye-ball rate (bubbles/s)	Pi rate (rising edge of signal/s)	
		Channel 9	Channel 8
1.5	2	2.5	2.3
2	2.5	2.9	2.8
2.5	2.8	3.3	3
3		3.5	3.5
3.75		4.5	3.7
4			3.8

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```
Shell ✕
  Total signals for counter 1 in 10 s: 33, rate 3.3 /s
  Total signals for counter 1 in 10 s: 34, rate 3.4 /s
  Total signals for counter 1 in 10 s: 32, rate 3.2 /s
  Total signals for counter 1 in 10 s: 34, rate 3.4 /s
  Total signals for counter 1 in 10 s: 33, rate 3.3 /s
  Total signals for counter 1 in 10 s: 35, rate 3.5 /s
  Total signals for counter 1 in 10 s: 34, rate 3.4 /s
```
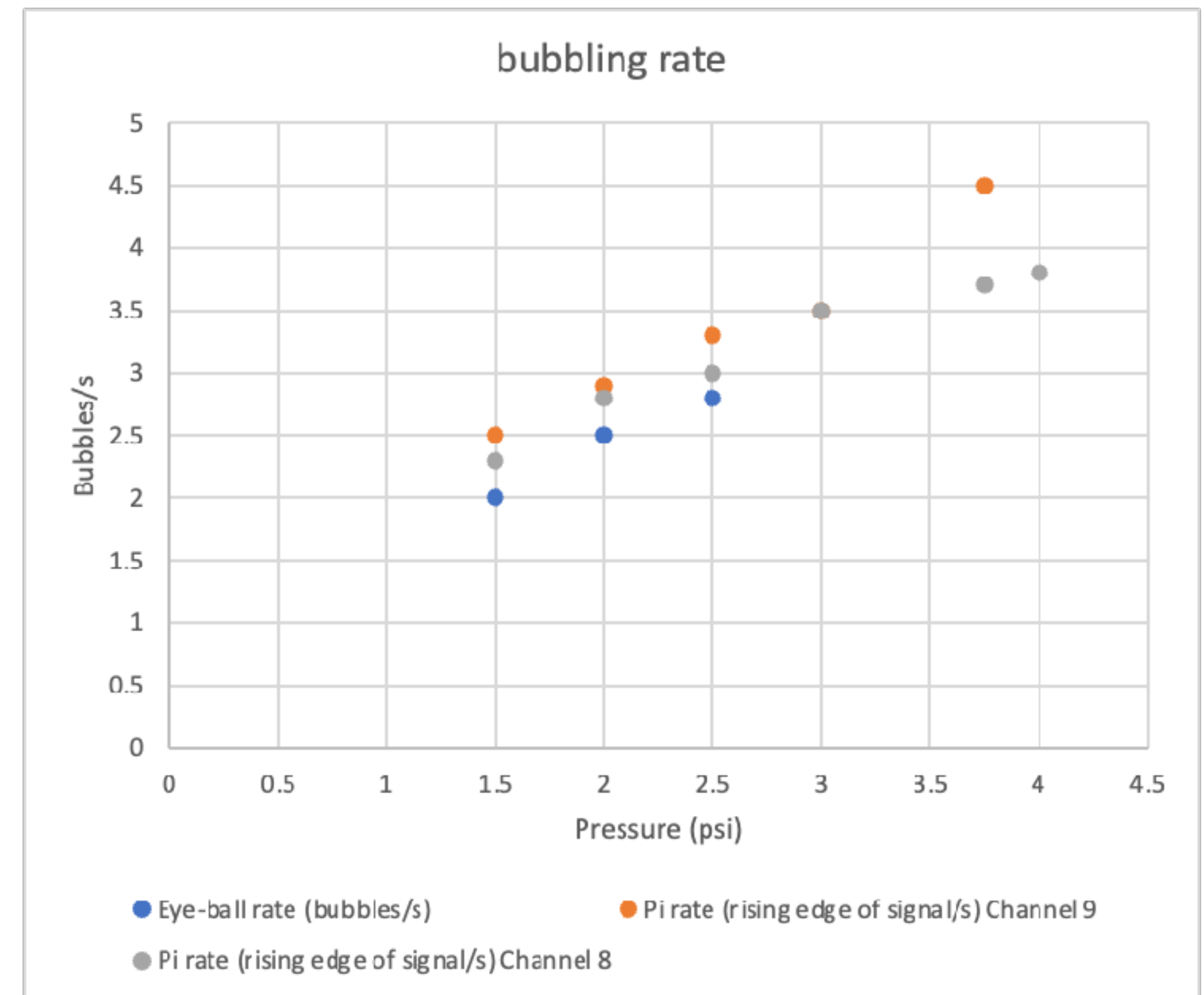
Screenshot of the program

bubbling rate

Bubbles/s vs Pressure (psi)

- Eye-ball rate (bubbles/s)
- Pi rate (rising edge of signal/s) Channel 9
- Pi rate (rising edge of signal/s) Channel 8

Thank you!