

```
import serial, re from collections import defaultdict import matplotlib.pyplot as plt
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# ser = serial.Serial('/dev/ttyACM0',9600)
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```
ser = serial.Serial('/dev/ttyUSB0',9600)
```

```
data = defaultdict(list) plt.ion()
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```
while True: read_serial = ser.readline() found = re.findall("[0-9]+: ([0-9]+.[0-9]+)", read_serial) for k, v in found: v = float(v) if k in data: data[k] = data[k][-25:] data[k].append(v) lists = data.items() xs, ys = zip(*lists) # unpack a list of pairs into two tuples
```

```
# print(data) print(xs, ys)
```

```
for (x, y) in zip(xs, ys): plt.plot(y, label=str(x)) plt.legend() plt.draw() plt.pause(0.00000001) plt.clf()
```