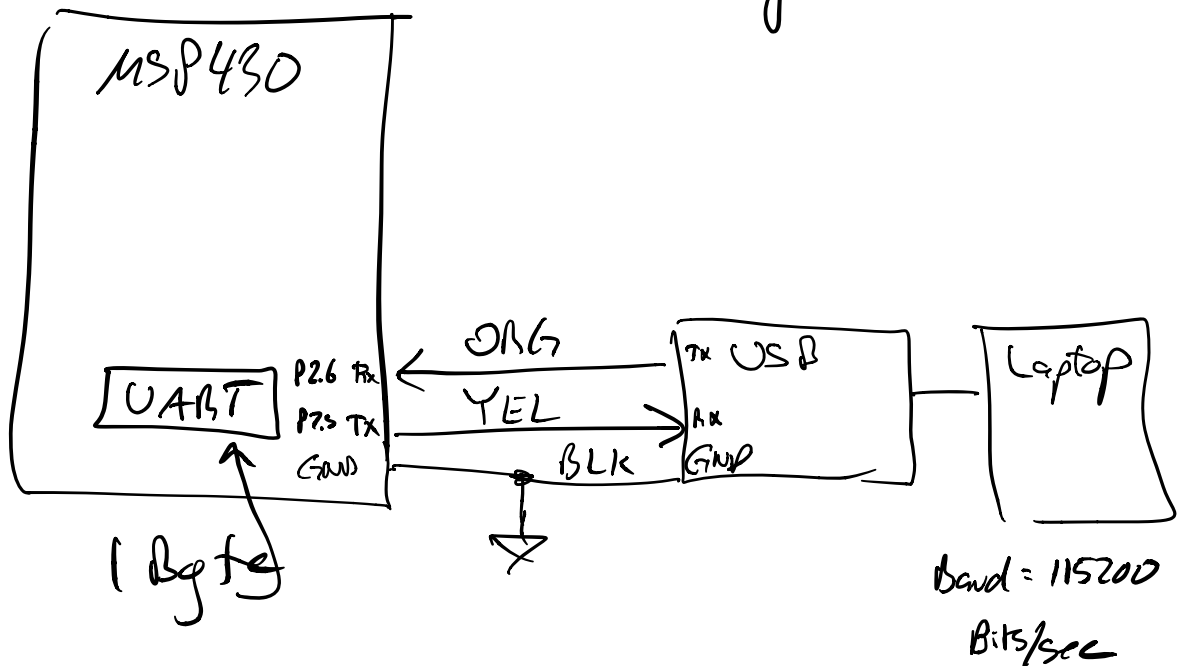# Automatic Download of EDA Data
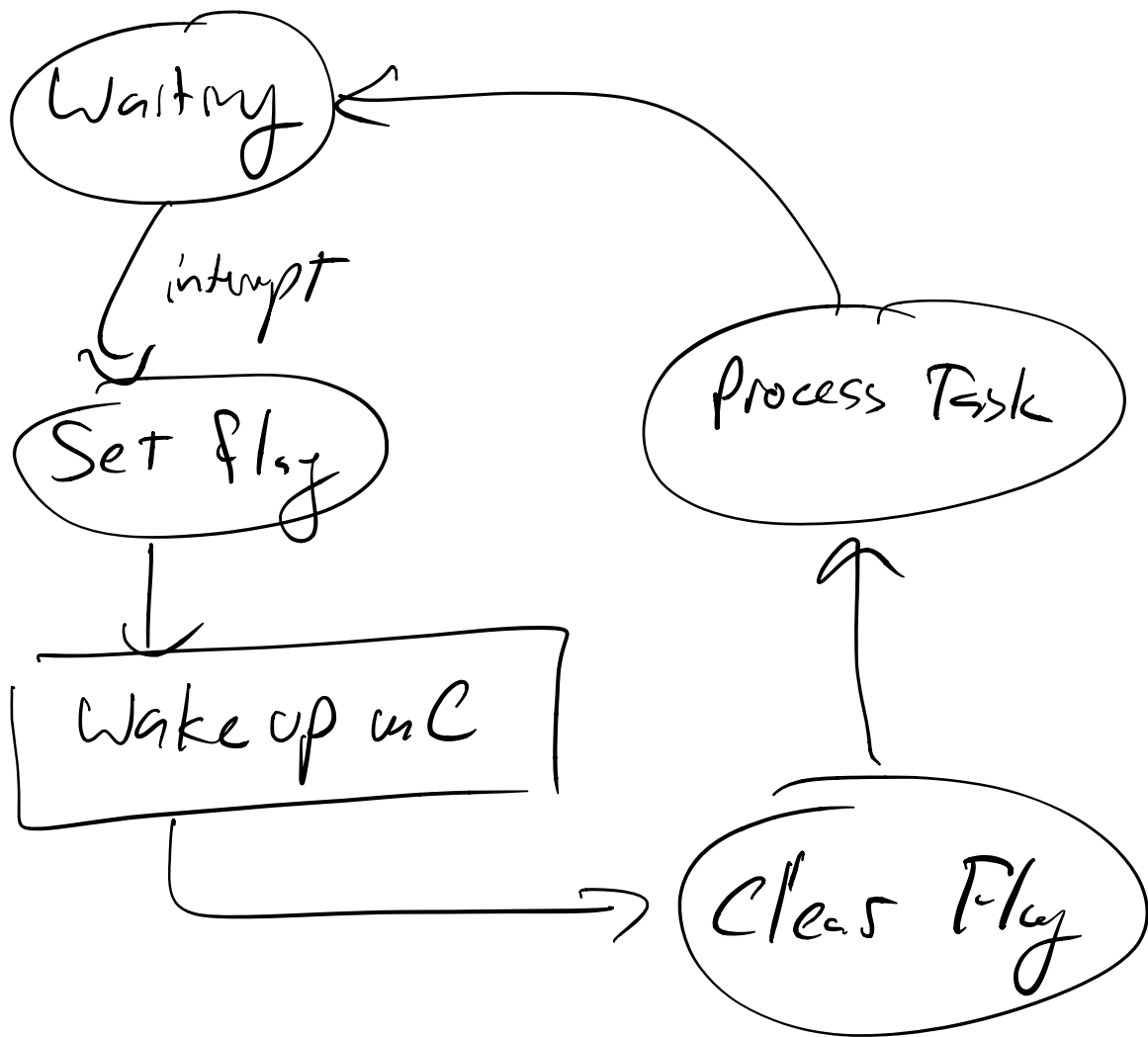
Needs:

- Initialize download via laptop
- uC acknowledges with a response
- all data downloaded
- Send EOF byte
- go back to waiting

MSP430

| UART | P2.6 Rx
| | P7.3 TX
| | GND

1 Byte

ORG
YEL
BLK

Tx USB
Rx
GND

Laptop

Baud = 115200
Bits/sec

Flagging System

UART_FLAG1 = 0x0001

Waiting

intrupt

Set flag

Wake up uC

Process Task

Clear Flag

Communication

Waiting

interrupt = 'D'

ACK   Send 'D'

```
uint8_t *pvec = 0
uint8 vec[10];
```

Send all data

p = pvec+9

pvec = PMAX   N

pvec = (uint8_t *) vec;

Struct E
  UCC1 [100]
  Byte [2]

}

Send 'E'

UART → Python

Use Python 3.x

Use "pyserial" package

UART — TX → Python Serial Session