

# LOW POWER MODE + ARDUINO LIBRARY

↳ May 13, 2024

- Library methods:

- idle() → fast wakeup
- sleep() → slow wakeup
- deepSleep() → slowest wakeup
- attachInterruptWakeup() → 3 parameters (pin, callback, mode)

- ↳ Mode options:

- falling → signal on defined pin sense is negative
- rising → signal on defined pin sense is positive
- change → pin senses any type of change

↳ first attempt to transmit with low power:

- did not work; code was getting stuck after going to sleep
- thought it could be due to the printing of the serial monitor
  - ↳ each time it wakes back up, it goes back to the void loop()

↳ got it to send... was looking at a way to maybe add a timestamp??

↳ would probably use RTC but ended up deciding against

↳ Goal was to have same sort of timestamp to compare the data from both sensors more accurately. This would be to better calibration.

\* AS OF MAY 29, WE ARE JUST USING DEEPSLEEP TO PUT THE LORA TO SLEEP.  
HOWEVER, THIS MIGHT NOT OF TRULY MADE IT LOW POWER AFTER CHECKING WITH PATRICK'S VOLTAGE READER.