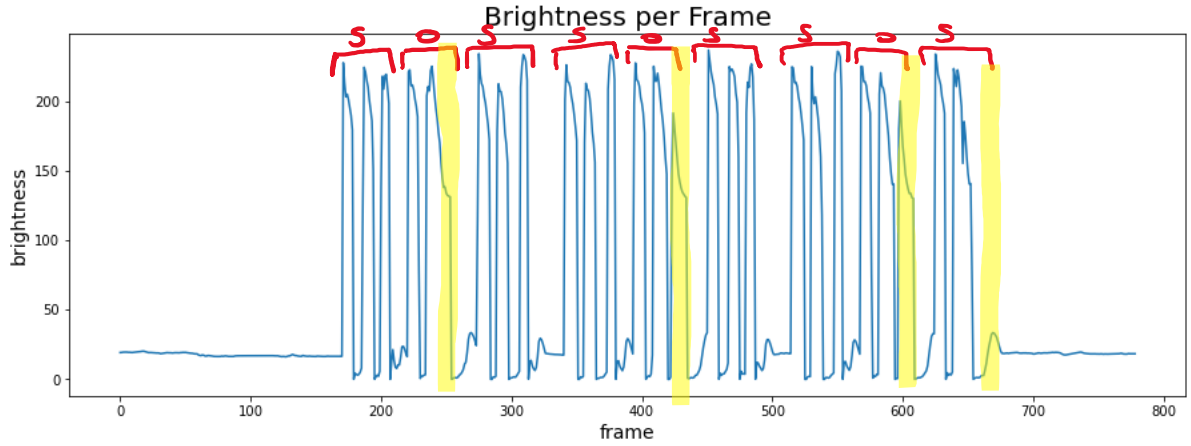
dot=3 dash=4

"S"="..." , "O" = "---"

## Limitations

# TEXT TO MORSE CODE: "SOS SOS SOS" => "... --- ... / ... --- ... / ... --- ..."




**Test 1: Setting: dark and far, threshold is 140**
**Result:** Our code returns empty. Why did this happen?

Checkpoint 2: a labeled list of signal lengths is [7, -7, 7, -5, 5, -13, 7, -5, 12, -26, 8, -4, 8, -8, 5, -27, 9, -4, 8, -8, 5, -13, 8, -5, 10, -2, 6, -20, 7, -7, 7, -4, 6, -27, 9, -4, 7, -9, 5, -13, 7, -5, 11, -2, 6, -20, 7, -5] [4 3 4 3 4 2 4 3 4 0 4 3 4 3 4 0 4 3 4 3 4 2 4 3 4 3 4 1 4 3 4 3 4 0 4 3 4
2 4 2 4 3 4 3 4 1 4 3]
Not a real letter :(
Not a real letter :(
Not a real letter :(
Not a real letter :(
Not a real letter :(
Checkpoint 3: The plaintext is
Student answer is “”. Correct answer is “SOS SOS SOS”.

**Test 2: Same setting but threshold is 100.**
Our code returns “SAS SWS SW”. This result is quite an improvement from the case where the threshold is 140.
**Result:**

Checkpoint 2: a labeled list of signal lengths is [7, -6, 8, -4, 6, -13, 7, -5, 18, -19, 9, -4, 8, -8, 5, -27, 9, -4, 8, -8, 5, -13, 8, -5, 10, -2, 11, -15, 7, -7, 7, -4, 6, -27, 9, -4, 8, -8, 5, -13, 7, -5, 11, -2, 11, -15, 7, -5] [3 2 3 2 3 1 3 2 4 1 3 2 3 2 3 0 3 2 3 2 3 1 3 2 4 2 4 1 3 2 3 2 3 0 3 2 3
2 3 1 3 2 4 2 4 1 3 2]
Checkpoint 3: The plaintext is “SAS SWS SW”.
Student answer is SAS SWS SW. Correct answer is “SOS SOS SOS”.

**Test 3: Same setting but threshold is 50.**

**Result:** Our code return “SAS SSS SS”. However, this result is not an improvement from the case where the threshold is 100.

Checkpoint 2: a labeled list of signal lengths is [7, -6, 8, -4, 6, -13, 8, -4, 18, -19, 9, -4, 8, -8, 5, -27, 9, -4, 8, -8, 5, -13, 8, -5, 10, -2, 11, -15, 7, -7, 7, -4, 6, -27, 9, -4, 8, -8, 5, -13, 8, -4, 11, -2, 11, -15, 7, -5] [3 2 3 2 3 1 3 2 4 1 3 2 3 2 3 0 3 2 3 2 3 1 3 2 3 2 3 1 3 2 3 2 3 0 3 2 3
2 3 1 3 2 3 2 3 1 3 2]
Checkpoint 3: The plaintext is “SAS SSS SS”.
Student answer is SAS SSS SS. Correct answer is “SOS SOS SOS”.