

Estimated loads using livesplit, used: (first nonblack frame of plaza - first black frame after shinegrab/exit area)

```
In [10]: import numpy as np
def describe(wii):
    print(" mean:", sum(wii)/len(wii), "\n",
          "std:", np.std(wii), "\n",
          "max:", max(wii), "\n",
          "min:", min(wii), "\n",
          "range:", max(wii) - min(wii), "\n",
          "sample size:", len(wii))
```

```
In [11]: wii0 = [2.95, 3.01, 3.04, 2.95, 3.03,          #gc2-d4 chip, bought black wii used on ebay
                2.82, 3.03, 2.94, 3.06, 2.99,
                2.96, 2.97, 3.01, 2.88, 2.94,
                3.00, 2.93, 2.88, 2.92, 2.82,
                2.85, 2.88, 2.91, 3.12, 2.89]

wii1 = [2.85, 2.97, 2.98, 2.94, 2.90, 2.94,          #gc2-d4 chip, bought black wii used on ebay
        2.86, 3.07, 2.91, 2.93, 2.98, 3.07,
        3.11, 3.04, 3.07, 3.03, 3.20, 2.98,
        2.97, 2.94, 3.17, 2.92, 2.93, 3.01,
        2.88]

wii2 = [2.93, 3.10, 2.94, 3.07, 3.22,          #unkown chip, bought black wii used on ebay
        3.00, 3.12, 3.10, 2.96, 3.27,
        3.14, 3.13, 3.00, 2.92, 3.25,
        3.08, 3.09, 3.15, 2.92, 3.06]

wiid2a = [2.97, 2.95, 2.94, 2.89, 2.94,          #gc2r-d2a chip, bought disc drive only brand new
          2.93, 2.91, 2.88, 2.97, 3.01,
          3.08, 3.07, 2.94, 2.95, 3.01,
          2.92, 2.96, 2.92, 2.96, 2.87,
          2.98, 2.99, 2.98, 2.94, 2.97]

wiid4 = [2.89, 2.89, 2.93, 3.06, 2.87,          #gc2r-d24 chip, bought disc drive only (forgot what condition)
         3.07, 2.85, 2.89, 2.91, 3.02,
         2.89, 2.95, 3.06, 3.01, 2.88,
         2.92, 2.90, 2.96, 2.89, 2.93,
         3.03, 3.04, 2.85, 3.12, 2.85]

oat = [2.80, 2.86, 2.74, 2.83, 2.78,          #I wish I bought this one
       2.85, 2.75, 2.77, 2.74, 2.99,
       2.90, 2.82, 3.00, 2.76, 2.85,
       2.82, 2.79, 2.83, 2.80, 2.94,
       2.75, 2.82, 2.91, 2.84, 2.94]

wiid2c = [3.02, 3.09, 2.94, 2.90, 2.89,          #gc2-d2c chip, bought drive only brand new
          2.90, 2.93, 3.18, 2.96, 2.96,
          2.89, 3.05, 2.86, 3.13, 3.06,
          2.96, 2.92, 2.92, 3.18, 2.93,
          2.93, 3.01, 3.07, 2.94, 2.96]
```

```
In [12]: describe(wii0)
mean: 2.9512
std: 0.07452892056108153
max: 3.12
min: 2.82
range: 0.30000000000000027
sample size: 25
```

```
In [13]: describe(wii1)
mean: 2.986
std: 0.08899438184514794
max: 3.2
min: 2.85
range: 0.35000000000000001
sample size: 25
```

```
In [14]: describe(wii2)
mean: 3.0725000000000007
std: 0.1043970785031842
max: 3.27
min: 2.92
range: 0.35000000000000001
sample size: 20
```

```
In [15]: describe(wiid2a) #notably low standard deviation
mean: 2.9572
std: 0.049438446577537175
max: 3.08
min: 2.87
range: 0.20999999999999996
sample size: 25
```

```
In [16]: describe(wiid4)
mean: 2.9464000000000006
std: 0.07883552498715281
max: 3.12
min: 2.85
range: 0.27
sample size: 25
```

```
In [17]: describe(wiid2c)
mean: 2.9831999999999999
std: 0.08925110643571878
max: 3.18
min: 2.86
range: 0.32000000000000003
sample size: 25
```

```
In [18]: describe(oat)
mean: 2.8352
std: 0.07343677552834141
max: 3.0
min: 2.74
range: 0.25999999999999998
sample size: 25
```