**NASA Shuttle dataset, classifier = multiclass(C=10.0, kernel=kernels.rbf(0.05), tol=2.0)**

**Only Incremental – Baseline**

**Classification report:**

precision recall f1-score support

0 1.00 1.00 1.00 6852

1 0.75 1.00 0.86 6

2 0.88 0.96 0.92 24

3 1.00 1.00 1.00 1297

4 1.00 0.99 0.99 519

5 0.00 0.00 0.00 1

6 0.00 0.00 0.00 1

accuracy 1.00 8700

macro avg 0.66 0.71 0.68 8700

weighted avg 1.00 1.00 1.00 8700

**Confusion matrix:**

[[6844 1 3 1 1 1 1]

[ 0 6 0 0 0 0 0]

[ 0 0 23 1 0 0 0]

[ 1 0 0 1293 1 1 1]

[ 3 0 0 2 514 0 0]

[ 1 0 0 0 0 0 0]

[ 0 1 0 0 0 0 0]]

**Accuracy**: 99.77011494252874

**Non-Accelerated Run time:** 0:36:08.274333

**Accelerated Run time:** 0:00:48.298819

**Misclassified Samples only**

**Classification report**:

precision recall f1-score support

0 1.00 0.99 1.00 6852

1 0.32 1.00 0.48 6

2 0.82 0.75 0.78 24

3 0.98 0.97 0.98 1297

4 0.92 0.99 0.95 519

5 0.00 0.00 0.00 1

6 0.00 0.00 0.00 1

accuracy 0.99 8700

macro avg 0.58 0.67 0.60 8700

weighted avg 0.99 0.99 0.99 8700

**Confusion matrix**:

[[6811 12 4 18 6 0 1]

[ 0 6 0 0 0 0 0]

[ 2 0 18 4 0 0 0]

[ 0 0 0 1256 40 1 0]

[ 4 0 0 0 513 1 1]

[ 1 0 0 0 0 0 0]

[ 0 1 0 0 0 0 0]]

**Accuracy**: 98.89655172413792

**Non-Accelerated Run time:** 0:40:05.442880

**Accelerated Run time:** 0:00:32.374247

**Misclassified Samples + Marginal**

**Classification report**:

precision recall f1-score support

0 1.00 1.00 1.00 6852

1 0.86 1.00 0.92 6

2 0.88 0.88 0.88 24

3 1.00 1.00 1.00 1297

4 1.00 0.99 0.99 519

5 0.00 0.00 0.00 1

6 0.00 0.00 0.00 1

accuracy 1.00 8700

macro avg 0.68 0.69 0.68 8700

weighted avg 1.00 1.00 1.00 8700

**Confusion matrix**:

[[6847 1 3 0 0 0 1]

[ 0 6 0 0 0 0 0]

[ 2 0 21 1 0 0 0]

[ 2 0 0 1294 1 0 0]

[ 4 0 0 1 514 0 0]

[ 1 0 0 0 0 0 0]

[ 0 0 0 1 0 0 0]]

**Accuracy**: 99.79310344827587

**Non-Accelerated Run time:** 1:45:06.191976

**Accelerated Run time:** 0:25:12.373858