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This week, we examined the effect of reducing the size of the training set on the classifiers accuracy. Not surprisingly, when the training set size is reduced, accuracy decreases. The table below summarizes the results for our most successful classification strategy.

Table 1: Accuracy with various sizes of training set.

Main & Selfie SUM, Top half of images

Images in training set	Day	Night
16	1	1
8	.8125	.8438
4	.75	.9062
2	.75	.8125