Training set composition:

nbad>0 reals: 20 nbad>0 bogus: 2040 nbad=0 reals: 7916 nbad=0 bogus: 10947

nbad=0 : 18863 nbad=1 : 15 nbad=2 : 28 nbad=3 : 21 nbad=4 : 63 nbad=5 : 1904 nbad=6 : 21

nbad=7 : 8

The 2040 nbad>0 bogus are completely dominated by bright stars.



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The 20 training set reals have major contamination.



RB scores of recent nightly data broken down by nbad>0 and nbad =0:



RB scores are high (0.4-0.6) when there is a real source at the centre, even if there is a bright star nearby. Science Template

E.g. RB score 0.61



RB score 0.48



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Removing nbad did not significantly change test set RB distributions:

With nbad:



Removing nbad increases training set FNR at 0.01 FPR by 0.02 (but this is on the training set where nbad>0 is poorly represented).

Without nbad: