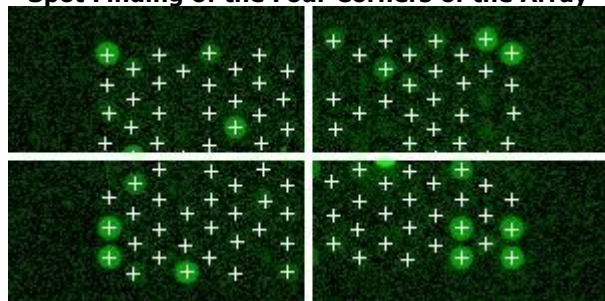


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:30	Grid	US22502705_251911811007_S01_H_grid (from grid_file)
Image	US22502705_251911811007_S01_H [2_4]	BG Method	No Background
Protocol	miRNA-v1_95_May07 (Read Only)	Background Detrend	On(FeatNCRRange, LoPass)
User Name	pdandrad	Multiplicative Detrend	False
FE Version	9.5.3.1	Additive Error	2
		Saturation Value	1175999

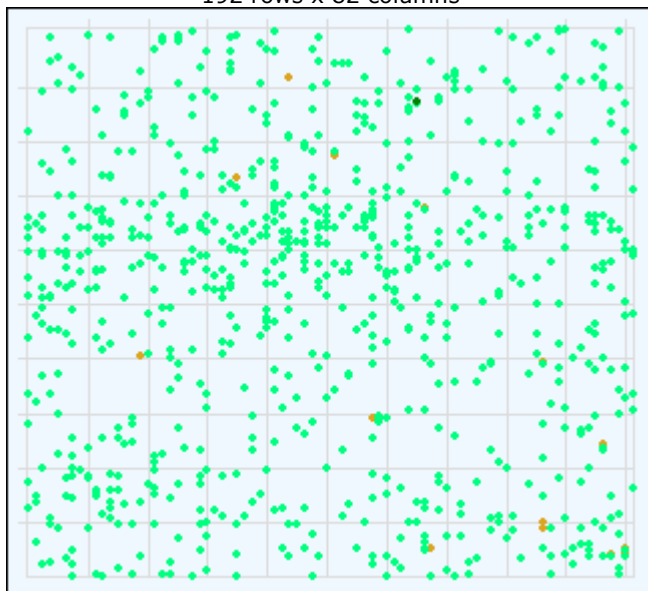
**Spot Finding of the Four Corners of the Array****Grid Normal**

Feature	Local Background
---------	------------------

Non Uniform	1	14
Population	771	1

**Spatial Distribution of All Outliers on the Array**

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 771(5.61%)

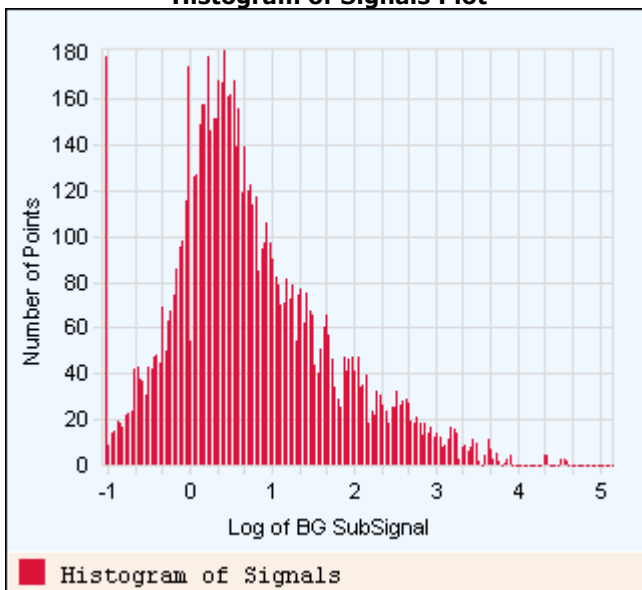
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

**Net Signal Statistics****Non-Control probes:**

# Saturated Features	0
99% of Sig. Distrib.	1310
50% of Sig. Distrib.	19
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	18.60
StdDev Net Signals	2.14
Average BG Sub Signal	0.76
StdDev BG Sub Signal	1.87

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4550 (Green)

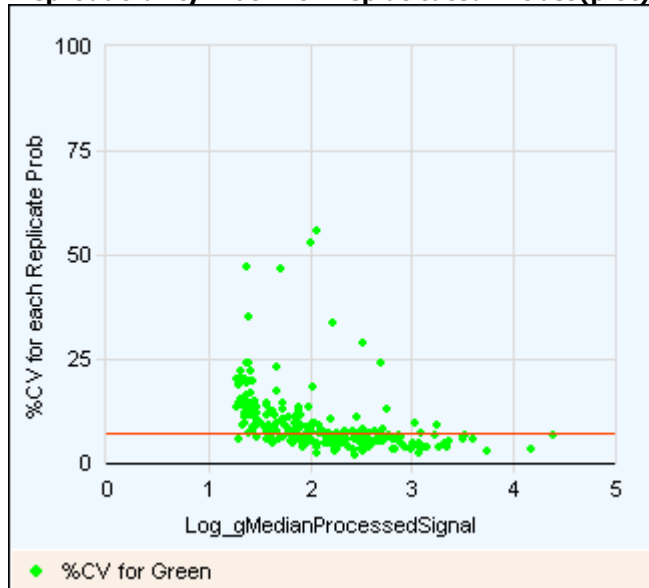
**Foreground Surface Fit**

RMS_Fit	1.15
RMS_Resid	1.93
Avg_Fit	54.11

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

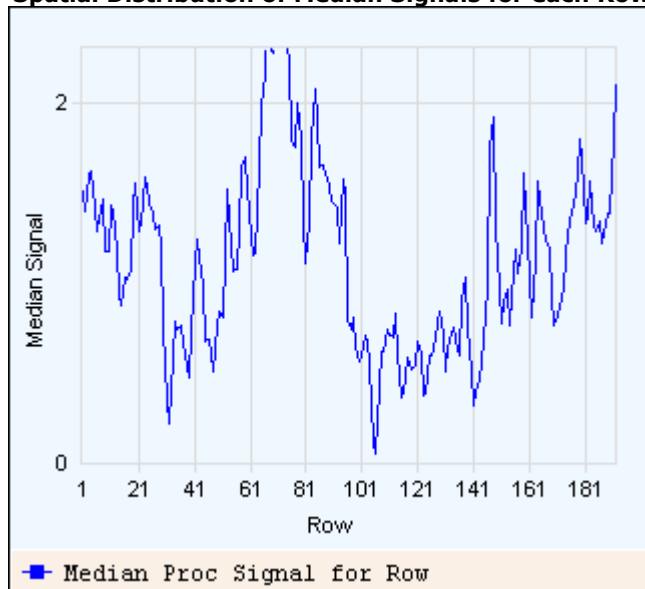
BGSubSignal	7.39
ProcessedSignal	7.39

**Reproducibility: %CV for Replated Probes(plot)****Evaluation Metrics for miRNA\_QCM\_Apr07**

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	1.93	NA	NA	False
AnyColorPrcntFeatPopnOL	5.61	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.39	NA	NA	False
gTotalSignal75pctile	5.15	NA	NA	False

◆ In Normal Range    ◆ Evaluate

**Spatial Distribution of Median Signals for each Row****Spatial Distribution of Median Signals for each Column**