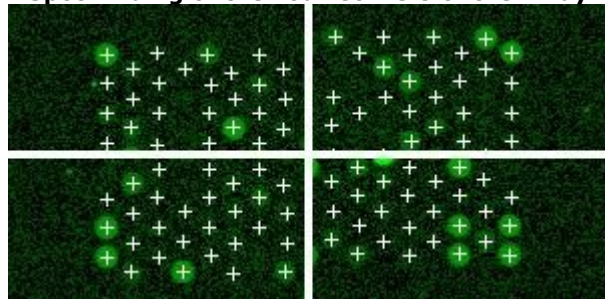


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:34	Grid	US22502705_251911811014_S01_H_grid (from grid_file)
Image	US22502705_251911811014_S01_H [1_3]	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	1176892

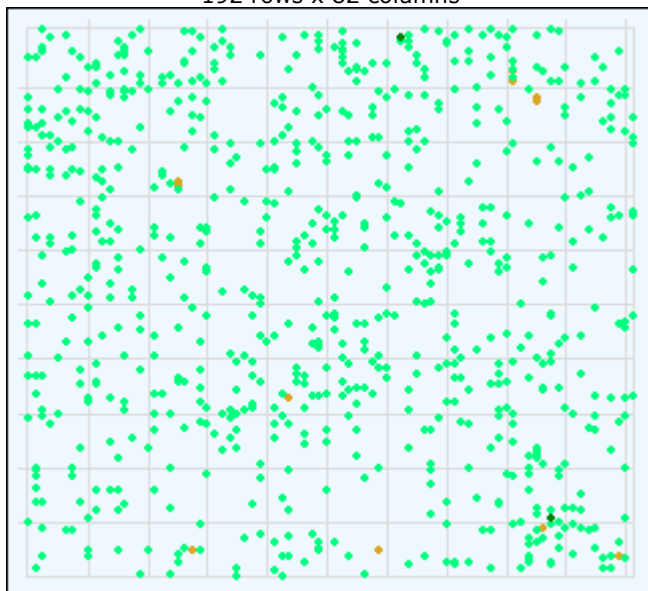
**Spot Finding of the Four Corners of the Array****Grid Normal**

Feature	Local Background
Non Uniform	2
Population	752

Non Uniform	2	13
Population	752	0

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

192 rows x 82 columns



# FeatureNonUnif = 2(0.01%)

# Feature Population Outliers = 752(5.47%)

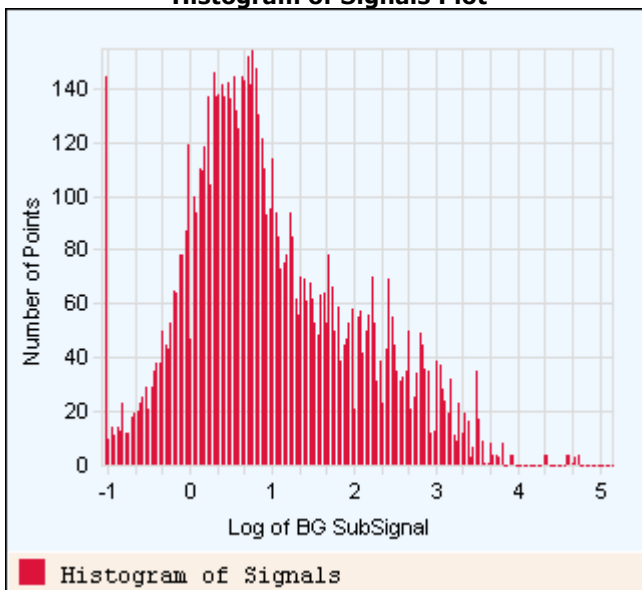
● BG NonUniform    ● BG Population  
● Green FeaturePopulation    ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	2108
50% of Sig. Distrib.	22
1% of Sig. Distrib.	15

**Negative Control Stats**

Average Net Signals	20.73
StdDev Net Signals	2.29
Average BG Sub Signal	0.22
StdDev BG Sub Signal	2.10

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4440 (Green)

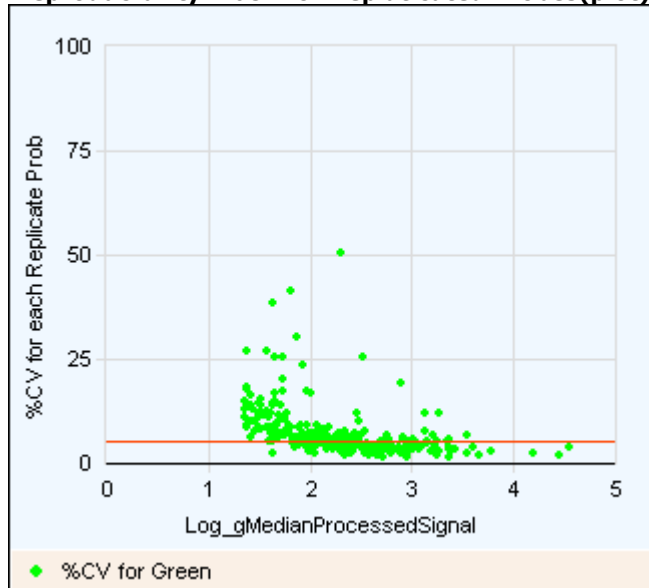
**Foreground Surface Fit**

RMS_Fit	1.22
RMS_Resid	2.22
Avg_Fit	56.96

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

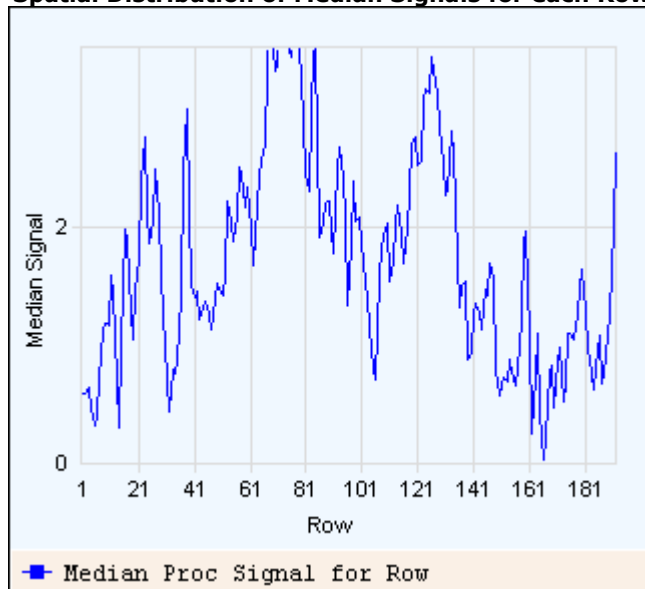
BGSubSignal	5.45
ProcessedSignal	5.45

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

Metric Name Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.22	NA	NA	False
AnyColorPrcntFeatPopnOL	5.47	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	5.45	NA	NA	False
gTotalSignal75pctile	7.59	NA	NA	False

◆ In Normal Range ◆ Evaluate

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