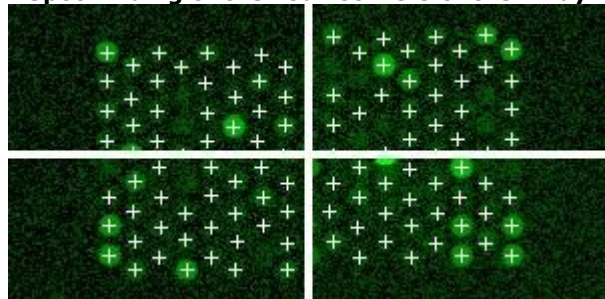


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 17:50	Grid	US22502705_251911810634_S01_H_grid (from grid_file)
Image	US22502705_251911810634_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	3
		Saturation Value	1152830

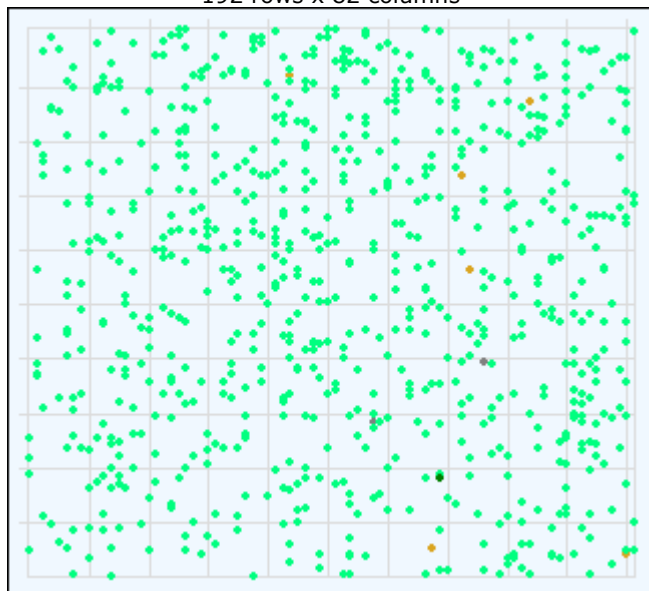
**Spot Finding of the Four Corners of the Array****Grid Normal**

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

Non Uniform	1	7
Population	746	2

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 746(5.43%)

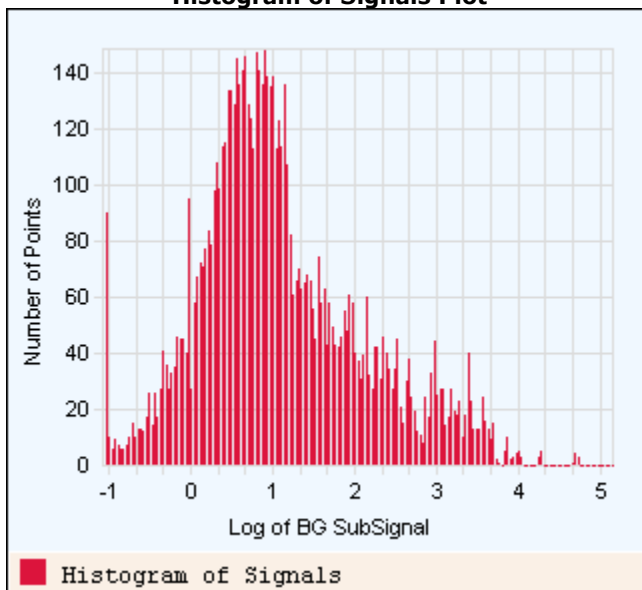
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	2633
50% of Sig. Distrib.	26
1% of Sig. Distrib.	17

**Negative Control Stats**

Average Net Signals	30.33
StdDev Net Signals	3.60
Average BG Sub Signal	6.04
StdDev BG Sub Signal	3.67

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5323 (Green)

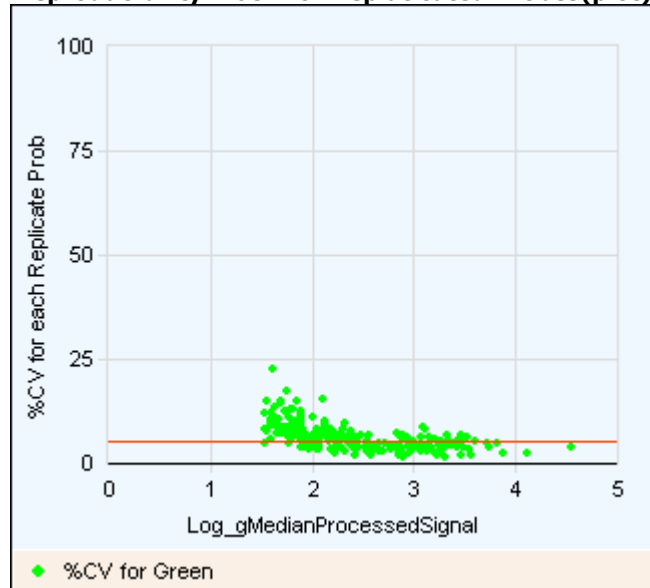
**Foreground Surface Fit**

RMS_Fit	1.25
RMS_Resid	3.48
Avg_Fit	60.52

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

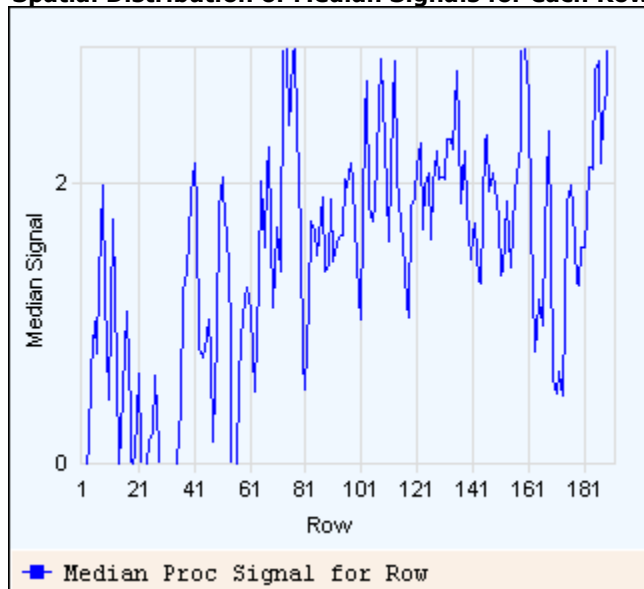
BGSubSignal	5.46
ProcessedSignal	5.46

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	3.48	NA	NA	False
AnyColorPrcntFeatPopnOL	5.43	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	5.46	NA	NA	False
gTotalSignal75pctile	11.81	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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