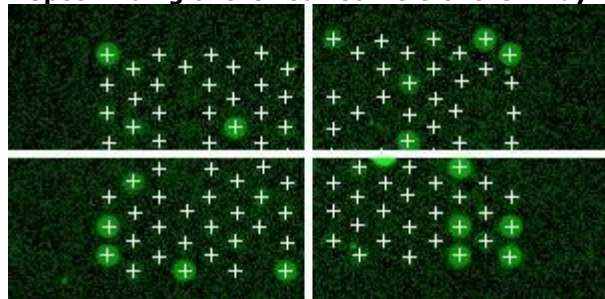


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 13:51	Grid	019118_D_I_20080214
Image	US22502705_251911811010_S01_H [1_2]	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	1142516

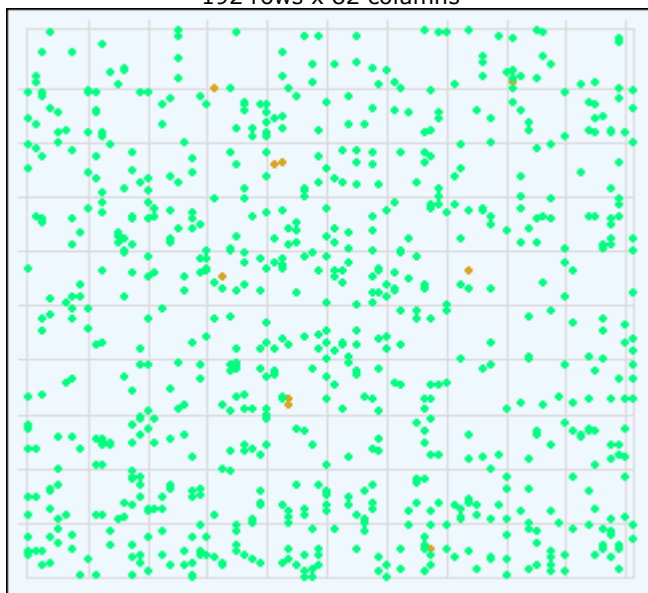
**Spot Finding of the Four Corners of the Array****Grid Normal**

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

Non Uniform	0	9
Population	756	0

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

192 rows x 82 columns



# FeatureNonUnif = 0(0.00%)

# Feature Population Outliers = 756(5.50%)

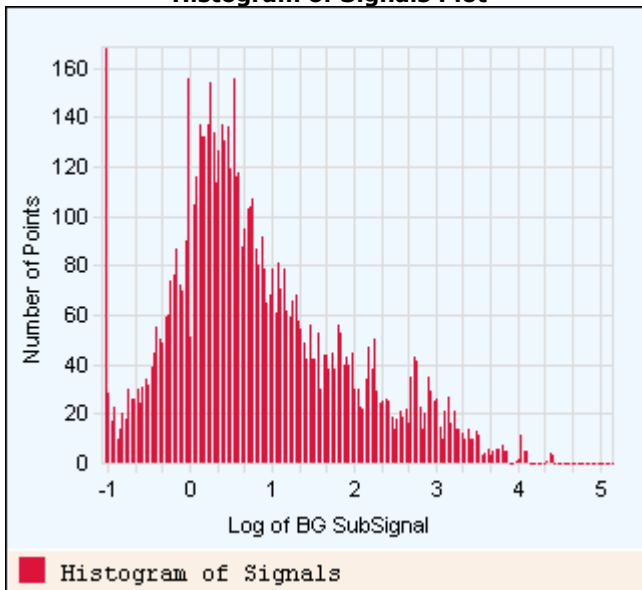
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1909
50% of Sig. Distrib.	22
1% of Sig. Distrib.	16

**Negative Control Stats**

Average Net Signals	20.69
StdDev Net Signals	2.28
Average BG Sub Signal	-0.40
StdDev BG Sub Signal	2.11

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 5390 (Green)

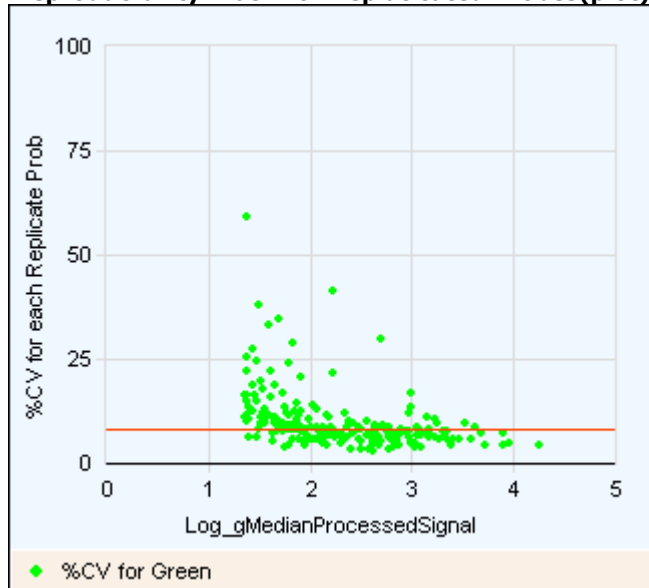
**Foreground Surface Fit**

RMS_Fit	1.36
RMS_Resid	2.21
Avg_Fit	57.66

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

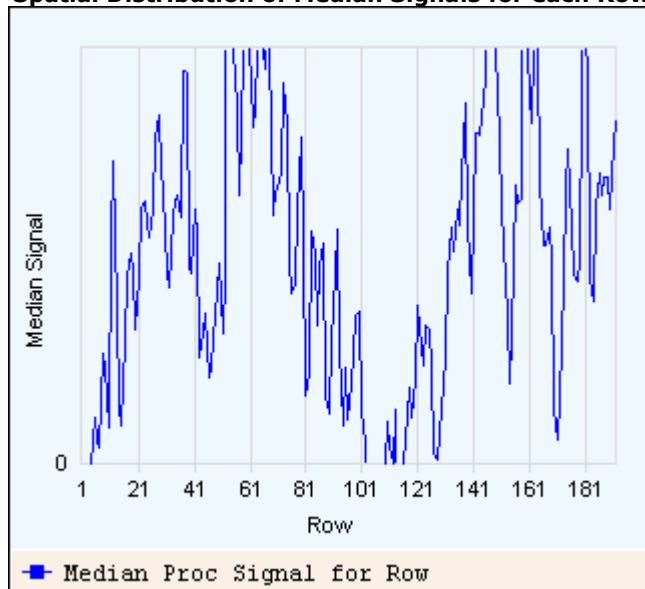
BGSubSignal	7.98
ProcessedSignal	7.98

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

Metric Name Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.21	NA	NA	False
AnyColorPrcntFeatPopnOL	5.50	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.98	NA	NA	False
gTotalSignal75pctile	3.17	NA	NA	False

◆ In Normal Range ◆ Evaluate

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