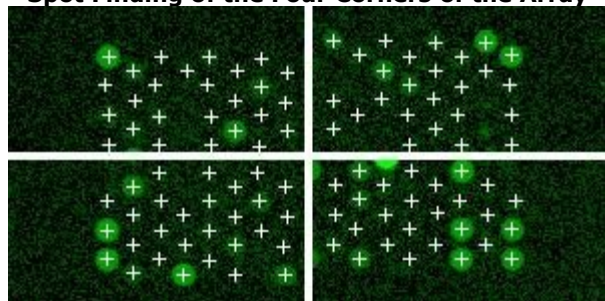


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 13:48	Grid	019118_D_I_20080214
Image	US22502705_251911811006_S01_H [2_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	1151374

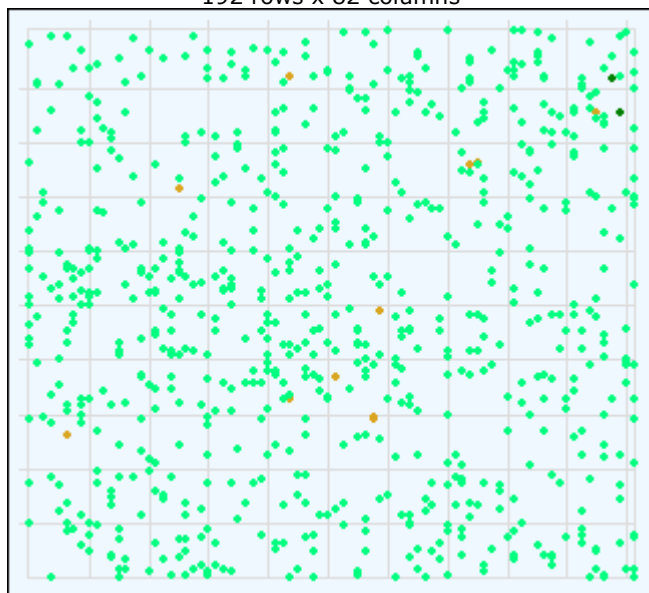
**Spot Finding of the Four Corners of the Array****Grid Normal**

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

Non Uniform	2	12
Population	723	0

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

192 rows x 82 columns



# FeatureNonUnif = 2(0.01%)

# Feature Population Outliers = 723(5.26%)

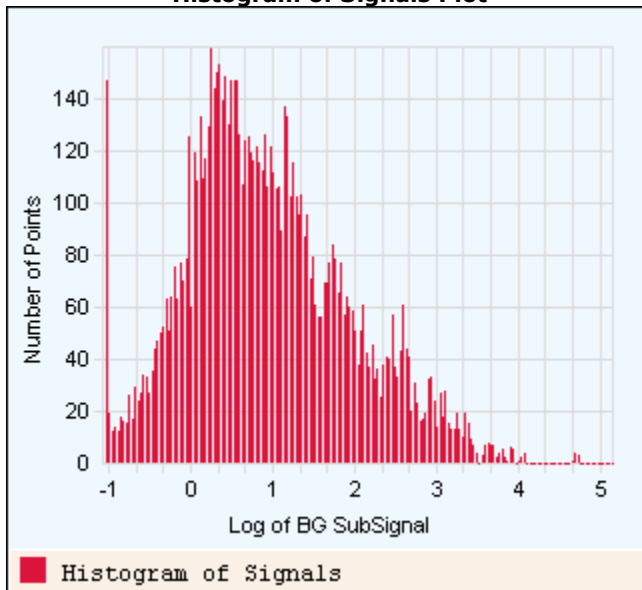
● BG NonUniform      ● BG Population  
 ● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1656
50% of Sig. Distrib.	21
1% of Sig. Distrib.	14

**Negative Control Stats**

Average Net Signals	18.52
StdDev Net Signals	2.04
Average BG Sub Signal	-0.28
StdDev BG Sub Signal	1.78

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 3936 (Green)

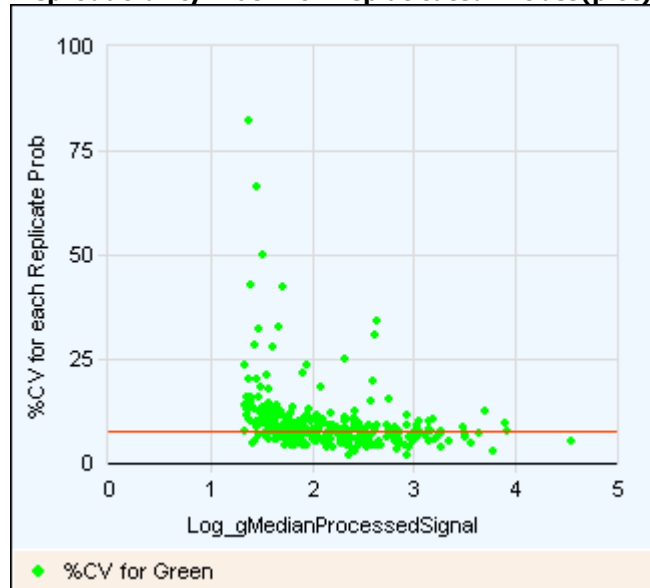
**Foreground Surface Fit**

RMS_Fit	0.95
RMS_Resid	2.16
Avg_Fit	54.79

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

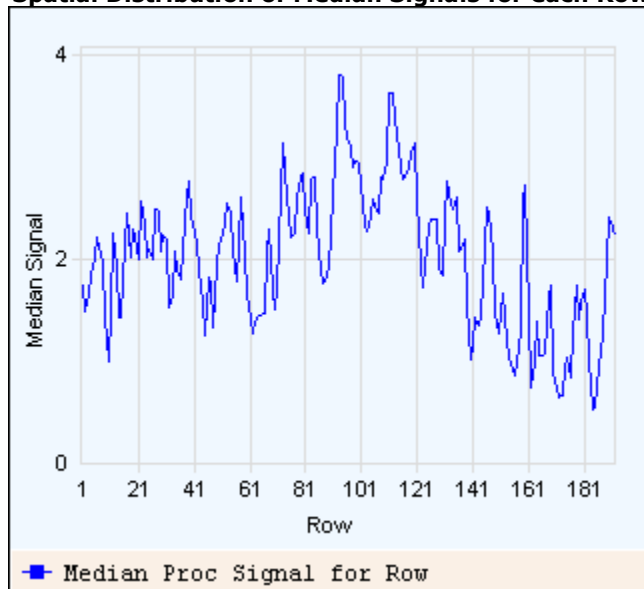
BGSubSignal	7.80
ProcessedSignal	7.80

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.16	NA	NA	False
AnyColorPrcntFeatPopnOL	5.26	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.80	NA	NA	False
gTotalSignal75pctile	10.54	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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