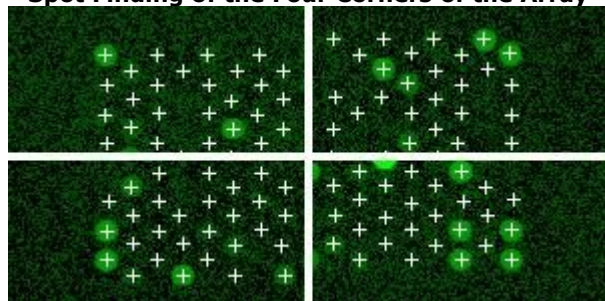


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:33	Grid	US22502705_251911811013_S01_H_grid (from grid_file)
Image	US22502705_251911811013_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	3
		Saturation Value	1158798

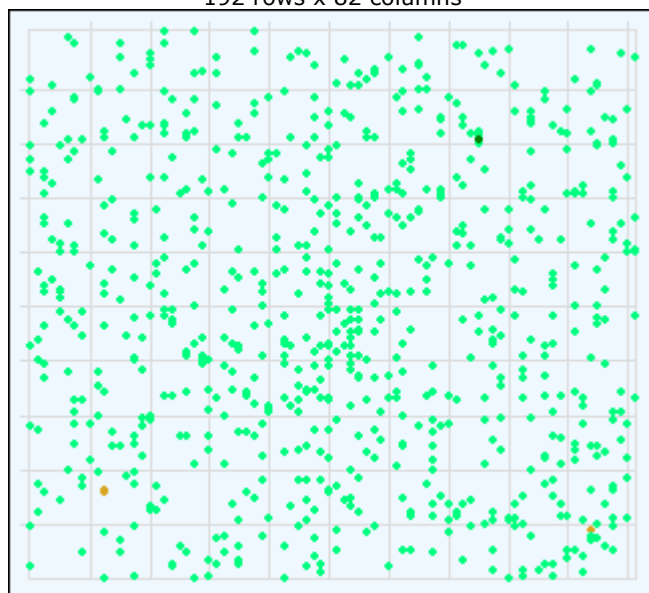
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

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

Non Uniform	1	4
Population	744	0

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

192 rows x 82 columns



# FeatureNonUnif = 1(0.01%)

# Feature Population Outliers = 744(5.42%)

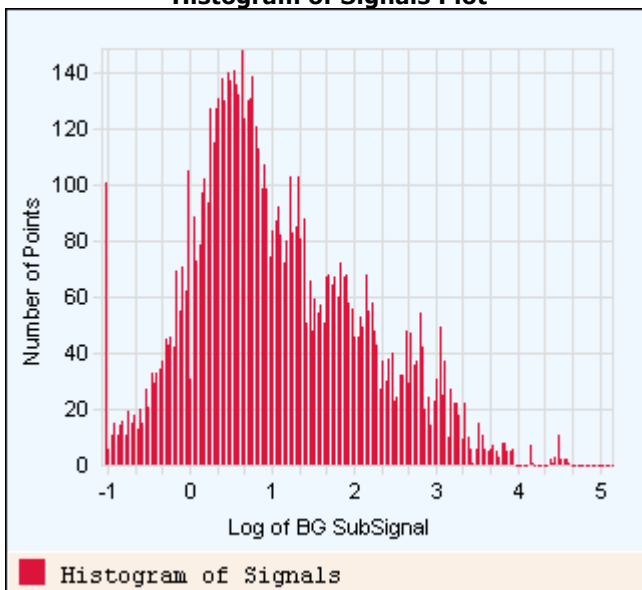
● BG NonUniform    ● BG Population  
● Green FeaturePopulation    ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	2248
50% of Sig. Distrib.	42
1% of Sig. Distrib.	34

**Negative Control Stats**

Average Net Signals	40.15
StdDev Net Signals	2.56
Average BG Sub Signal	-0.73
StdDev BG Sub Signal	2.58

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4830 (Green)

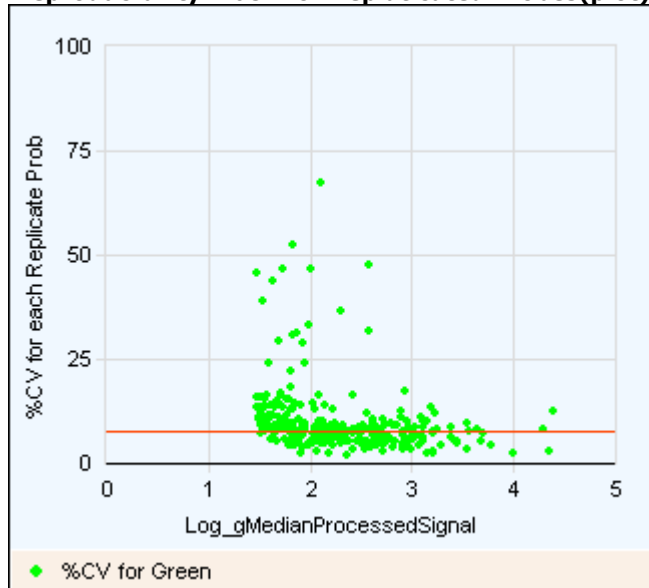
**Foreground Surface Fit**

RMS_Fit	0.59
RMS_Resid	2.93
Avg_Fit	76.86

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

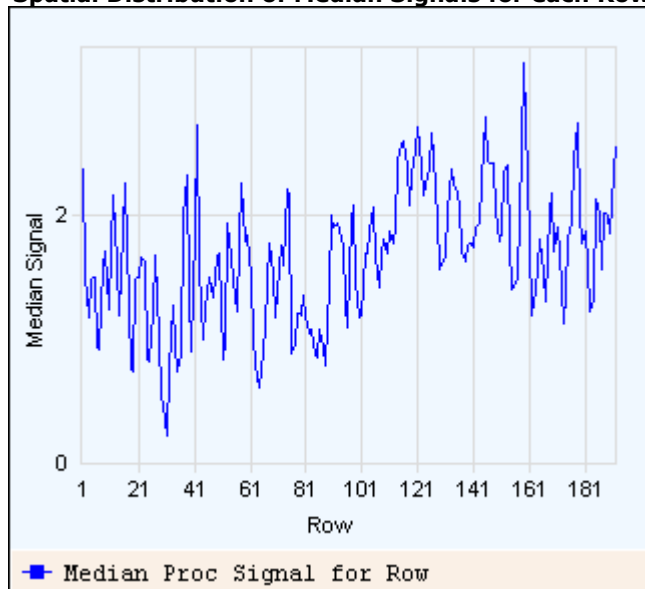
BGSubSignal	7.93
ProcessedSignal	7.93

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

Metric Name      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.93	NA	NA	False
AnyColorPrcntFeatPopnOL	5.42	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	7.93	NA	NA	False
gTotalSignal75pctile	7.58	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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