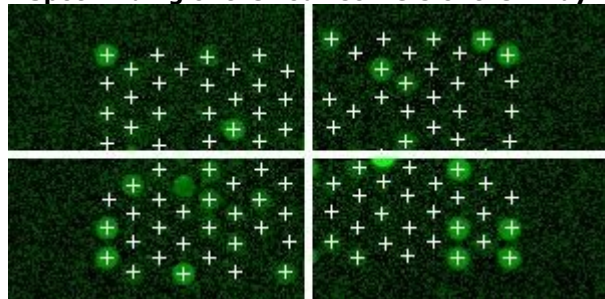


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Monday, June 23, 2008 - 15:35	Grid	US22502705_251911811014_S01_H_grid (from grid_file)
Image	US22502705_251911811014_S01_H [2_1]	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	1169340

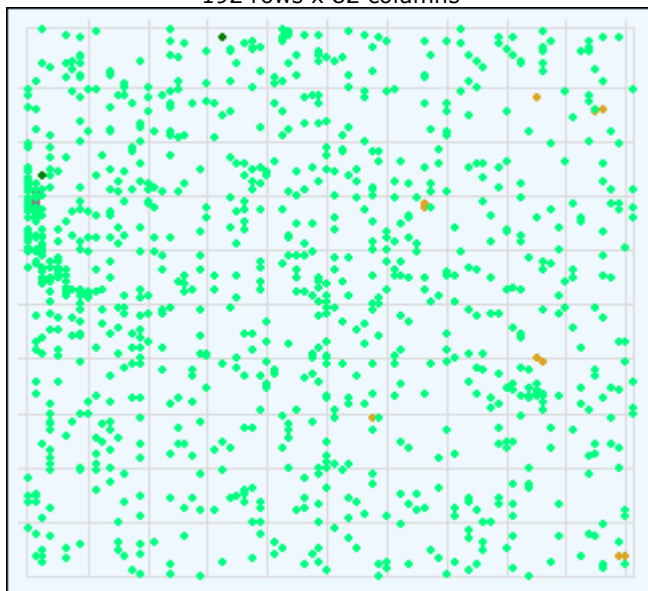
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

**Feature**      **Local Background**

Non Uniform	2	11
Population	927	6

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

192 rows x 82 columns



# FeatureNonUnif = 2(0.01%)

# Feature Population Outliers = 927(6.75%)

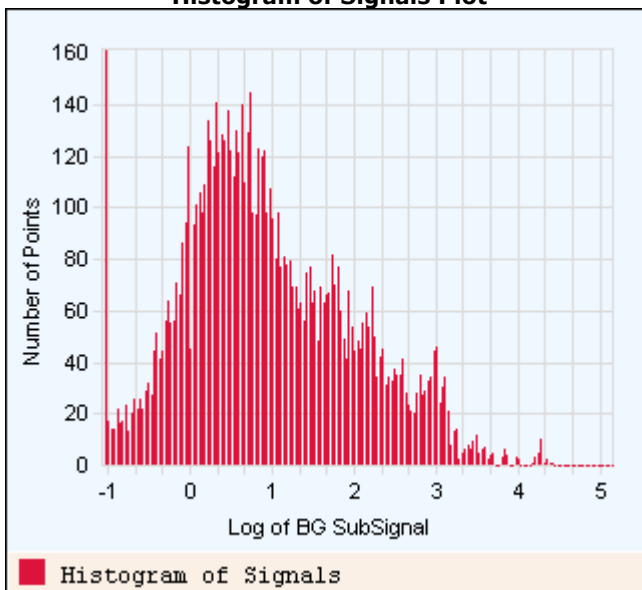
● BG NonUniform      ● BG Population  
● Green FeaturePopulation      ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1353
50% of Sig. Distrib.	19
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	17.17
StdDev Net Signals	2.53
Average BG Sub Signal	-0.40
StdDev BG Sub Signal	2.56

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4647 (Green)

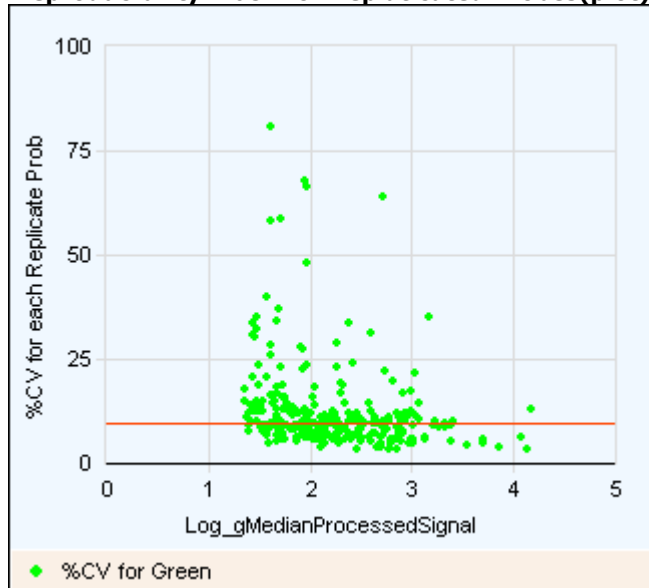
**Foreground Surface Fit**

RMS_Fit	0.49
RMS_Resid	2.22
Avg_Fit	54.02

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

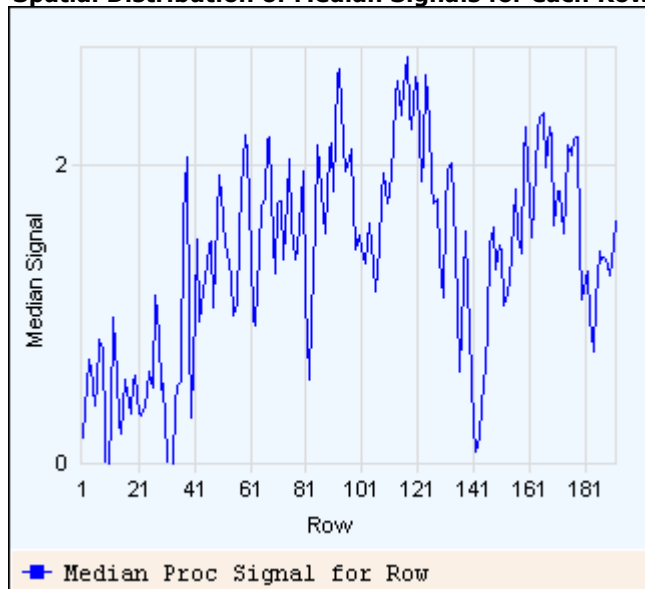
BGSubSignal	9.64
ProcessedSignal	9.64

**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	6.75	NA	NA	False
gNonCtrlMedPrcntCVBGSubS...	9.64	NA	NA	False
gTotalSignal75pctile	6.95	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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