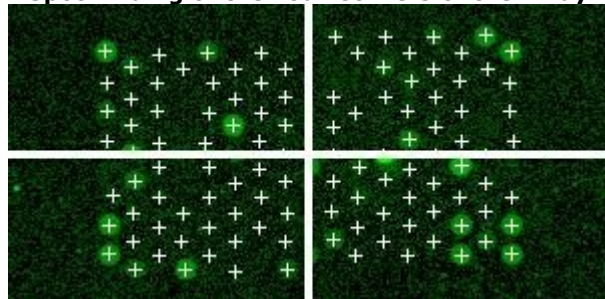


**QC Report - Agilent Technologies : miRNA****QCMetrics InRange (4 of 4)**

Date	Wednesday, April 16, 2008 - 17:52	Grid	US22502705_251911810636_S01_H_grid (from grid_file)
Image	US22502705_251911810636_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	1154139

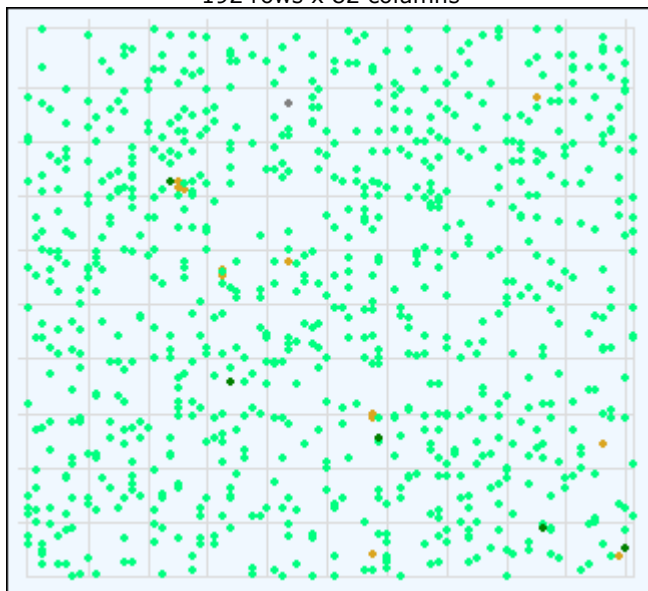
**Spot Finding of the Four Corners of the Array****Evaluate Grid**

**Feature**                      **Local Background**

Non Uniform	5	15
Population	818	1

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

192 rows x 82 columns



# FeatureNonUnif = 5(0.04%)

# Feature Population Outliers = 818(5.95%)

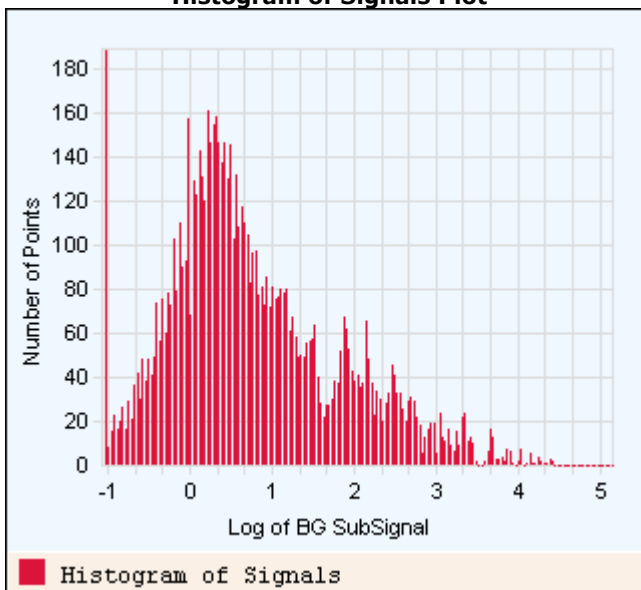
● BG NonUniform                      ● BG Population  
● Green FeaturePopulation ● Green Feature NonUniform

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

# Saturated Features	0
99% of Sig. Distrib.	1831
50% of Sig. Distrib.	18
1% of Sig. Distrib.	13

**Negative Control Stats**

Average Net Signals	17.92
StdDev Net Signals	1.95
Average BG Sub Signal	0.40
StdDev BG Sub Signal	1.99

**Histogram of Signals Plot**

# Features (NonCtrl) with BGSubSignal &lt; 0: 4951 (Green)

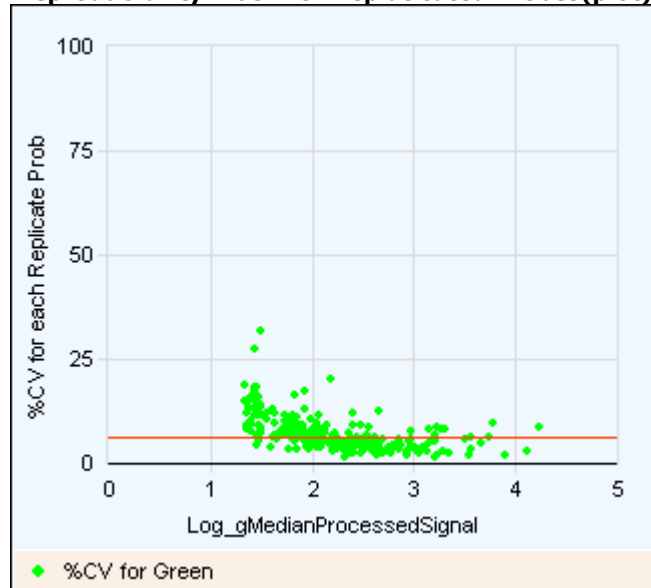
**Foreground Surface Fit**

RMS_Fit	0.43
RMS_Resid	2.21
Avg_Fit	53.54

**Reproducibility: %CV for Replicated Probes**

Median %CV Signal (inliers)  
Non-Control probes

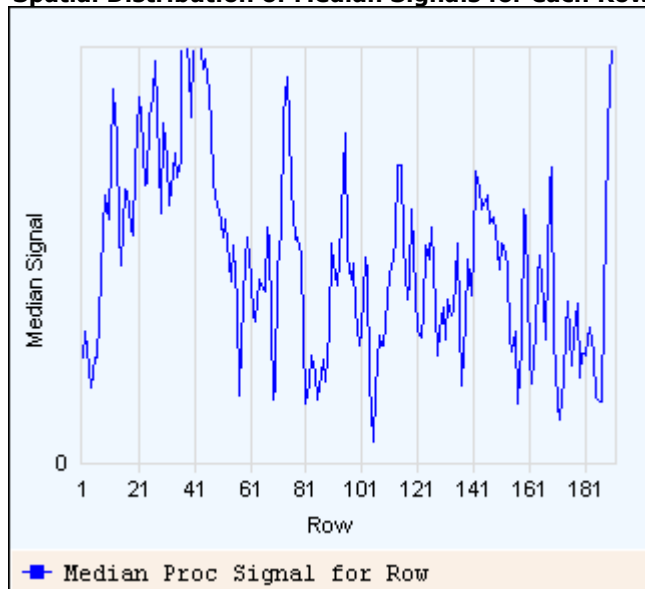
BGSubSignal	6.19
ProcessedSignal	6.19

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

Metric Name                      Value UpLim LowLim IsMandatory

AddErrorEstimateGreen	2.21	NA	NA	False
AnyColorPrctFeatPopnOL	5.95	NA	NA	False
gNonCtrlMedPrctCVBGSubS...	6.19	NA	NA	False
gTotalSignal75pctile	3.78	NA	NA	False

◆ In Normal Range    ◆ Evaluate

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