

Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	BDSERVICE
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/01/2015 10:11 PM
Setup Bead Position:	1		
Cytometer Configuration:	SAT 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 95893, **Expiration Date:** 07/31/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	578	125000	N/A	2.1	131080	1.89	20212	6.61
Blue	F	SSC	400	125000	N/A	2.77	125955	2.1	62058	1.37
Blue	E	FITC	450	32111	N/A	2.03	1298	9.93	175	36.75
Blue	D	PE	481	38568	N/A	1.52	1289	8.62	293	25.72
Blue	B	PerCP-Cy5-5	613	52675	N/A	3.82	2005	16.63	313	43.98
Blue	A	PE-Cy7	651	41284	N/A	7.8	1048	27.79	116	89.34
Red	C	APC	680	61231	N/A	4.22	3691	10.2	341	33.44
Red	A	APC-Cy7	535	51209	N/A	6.18	1725	12.46	173	42.83
Violet	B	Pacific Blue	459	28456	N/A	2.32	1417	7.63	163	44.37
Violet	A	AmCyan	525	114022	N/A	2.1	4960	5.15	369	30.23

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.8	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	7.6696	-14.8	N/A	N/A	N/A
Blue	E	FITC	55	240759	7.5399	-15.5	31.1	0.0256	450
Blue	D	PE	231	237702	7.3927	-15.2	29	0.241	343
Blue	B	PerCP-Cy5-5	212	235575	7.4433	-16.0	30.2	0.0091	85
Blue	A	PE-Cy7	122	225794	7.3903	-16.2	30	0.018	26
Red	C	APC	45	225067	7.3465	-16.0	26.6	0.0219	124
Red	A	APC-Cy7	98	230639	7.4013	-15.5	26.1	0.0052	2041
Violet	B	Pacific Blue	80	234001	7.2843	-14.9	24.8	0.0626	4164
Violet	A	AmCyan	118	237126	7.3838	-15.0	26.6	0.018	4777

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.71 - 71.57	N/A	N/A	-30.26	-30.04	1.20
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.50
Red	18.81	13.20 - 19.80	N/A	N/A	29.07	29.50	1.28

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9606

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.30
Spec.: 4.40 - 4.60

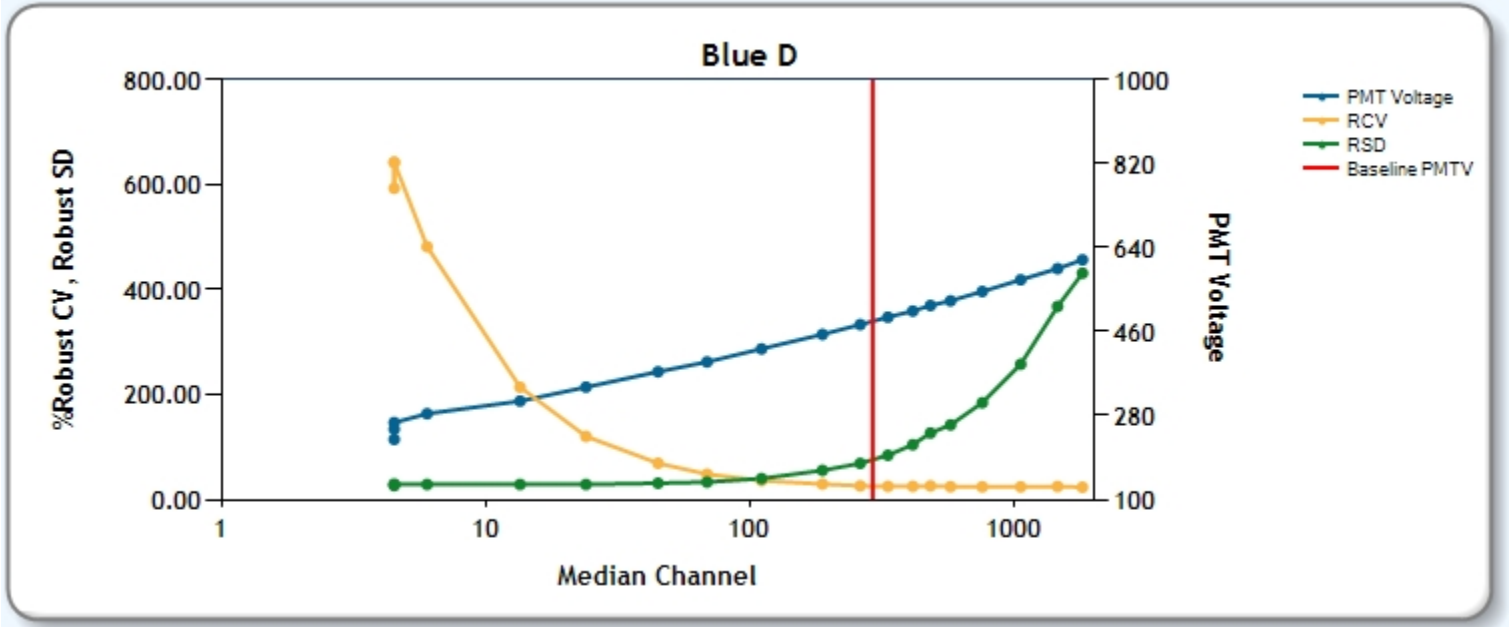
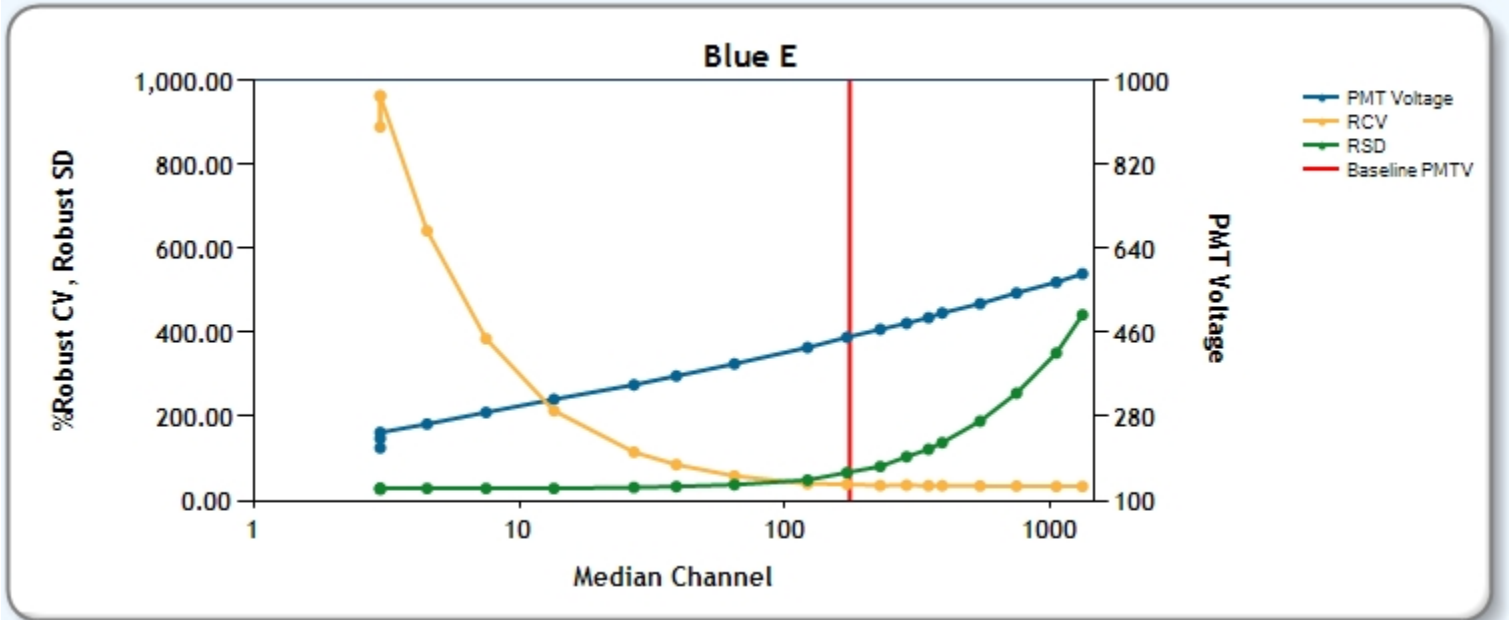
Comments

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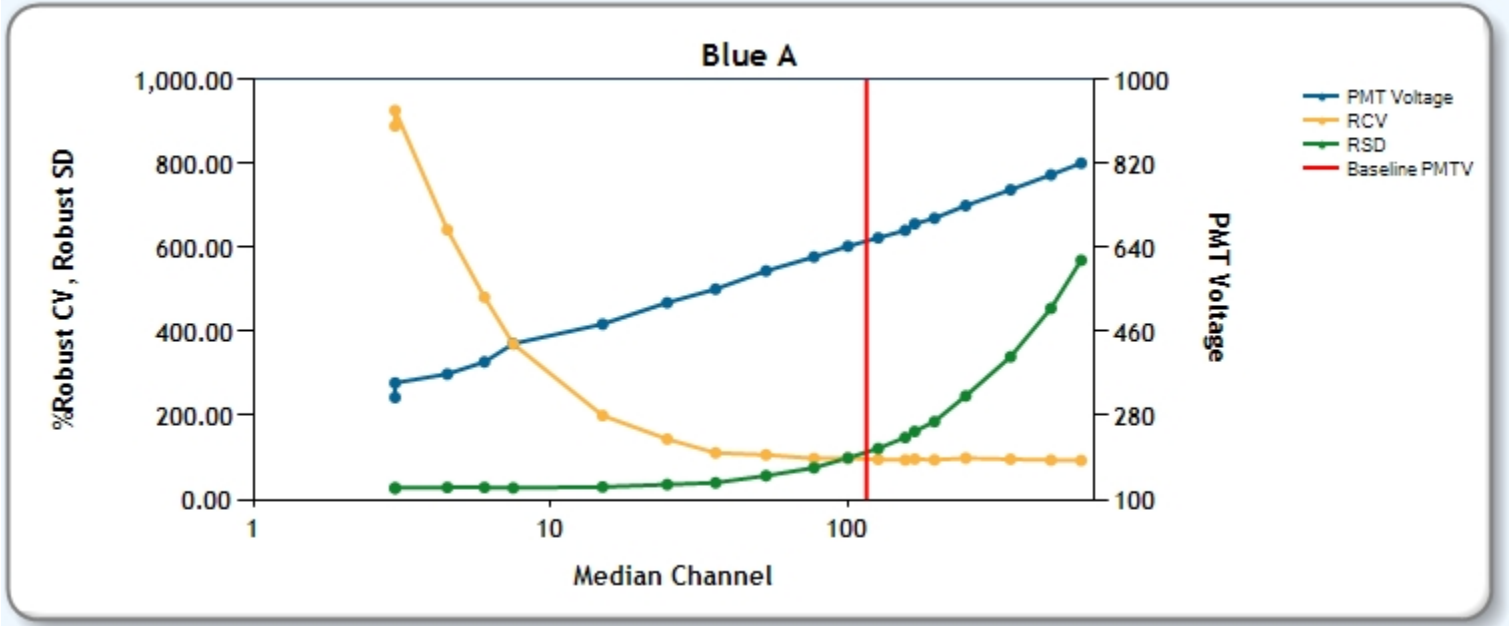
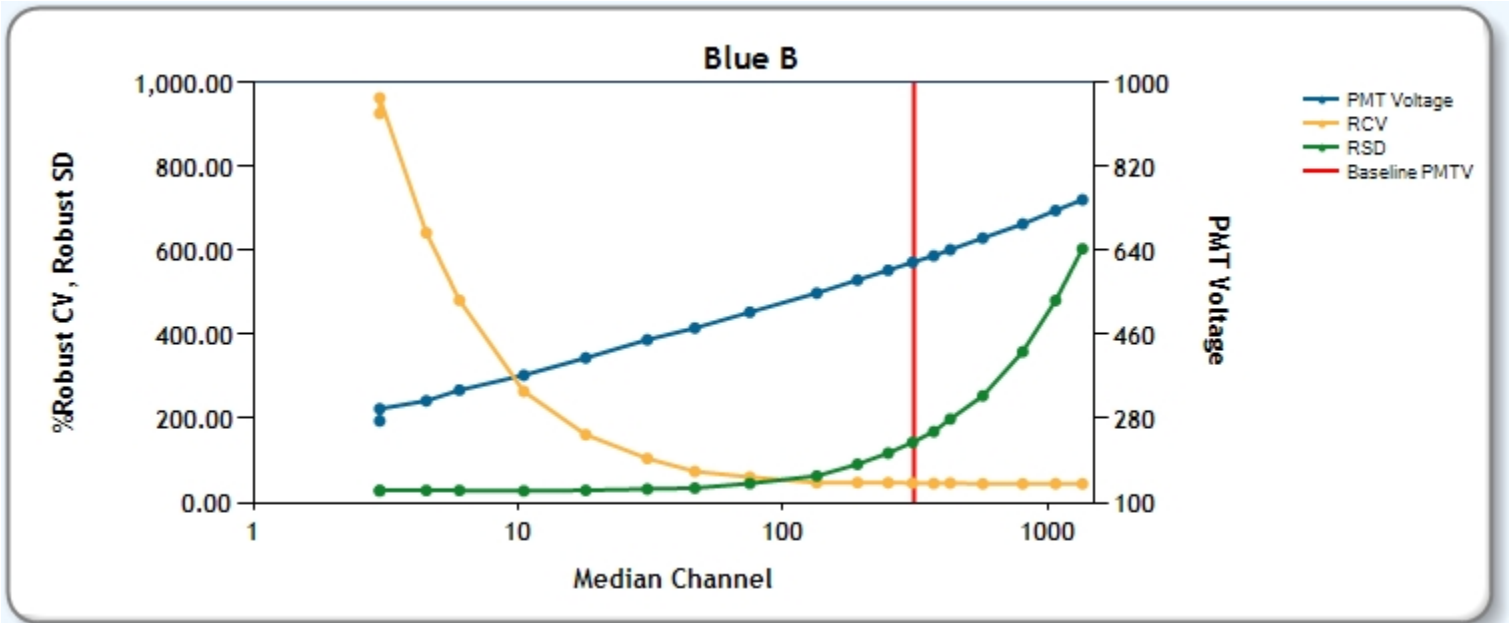
PMTV Optimization Results



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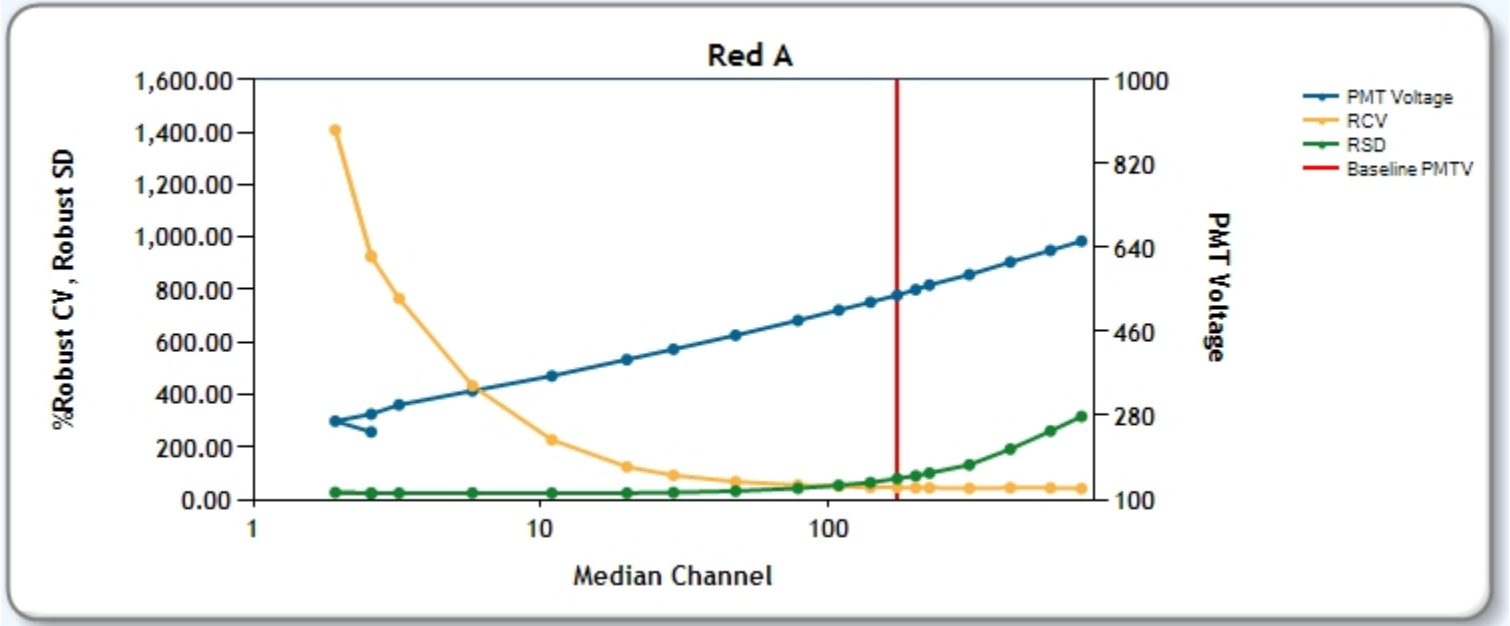
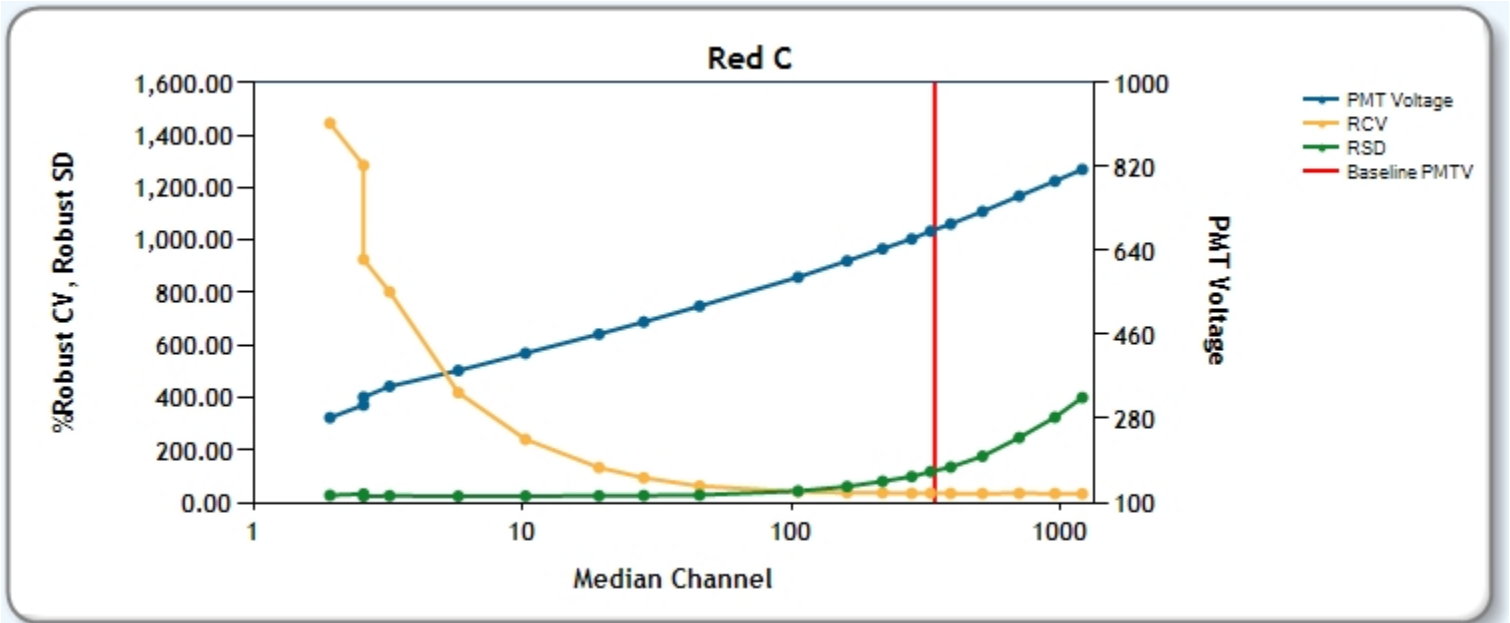
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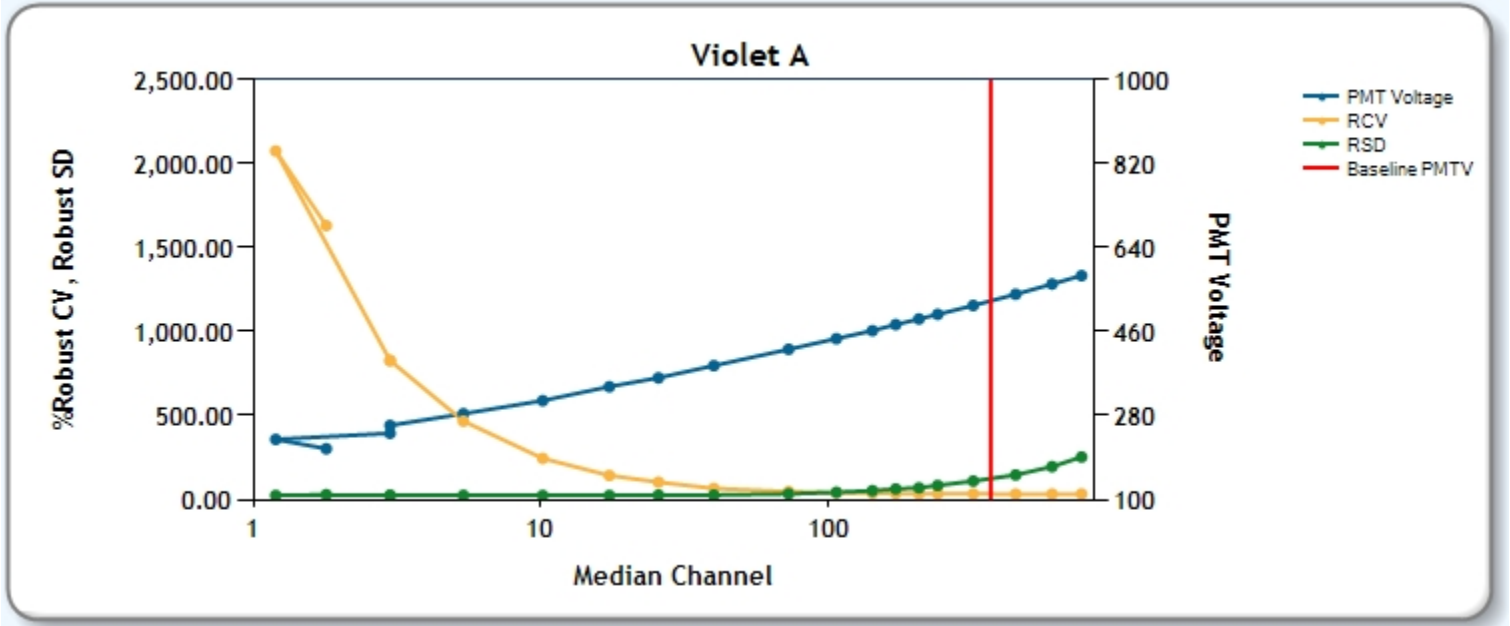
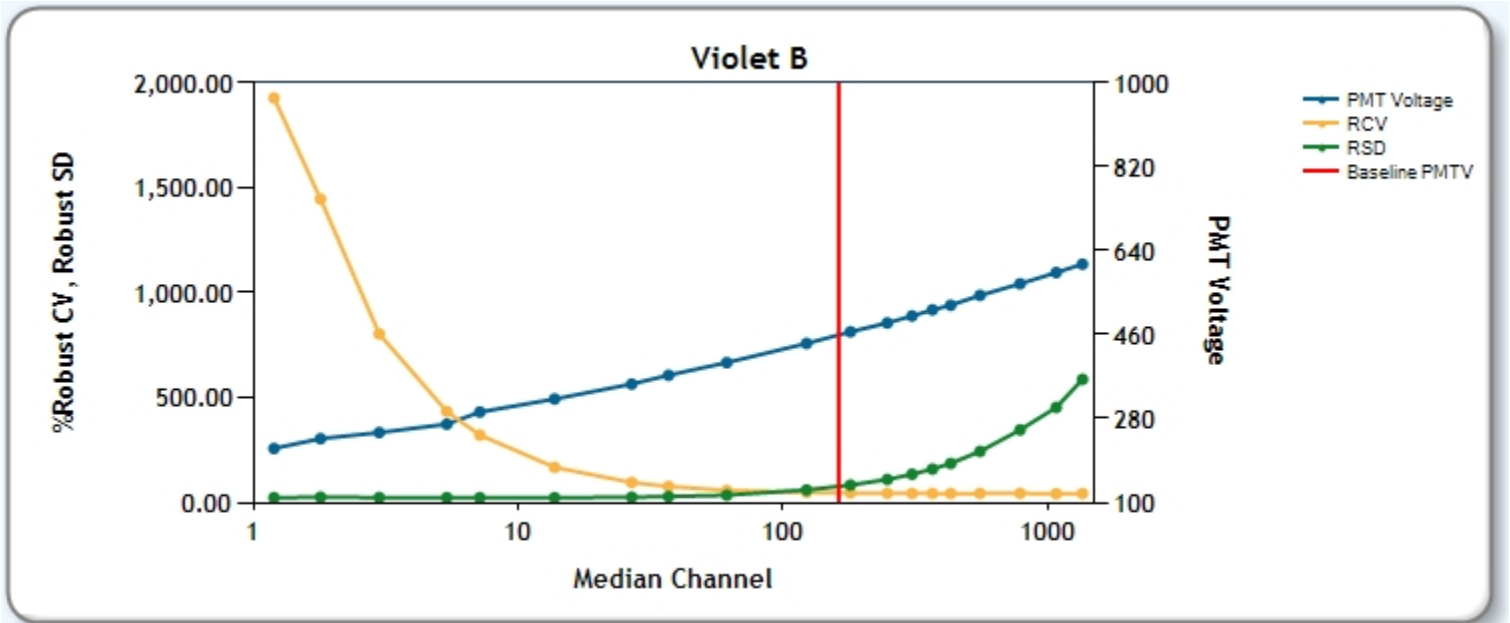
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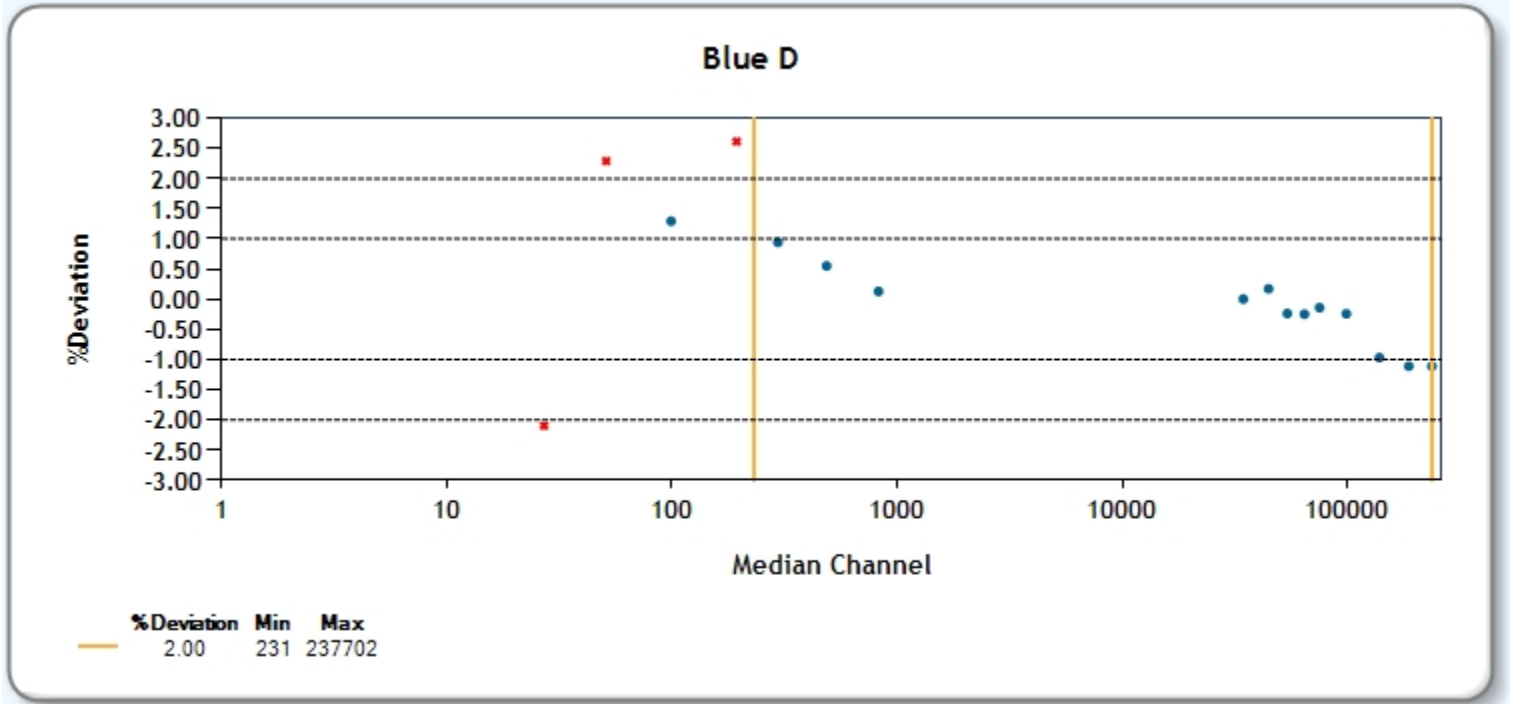
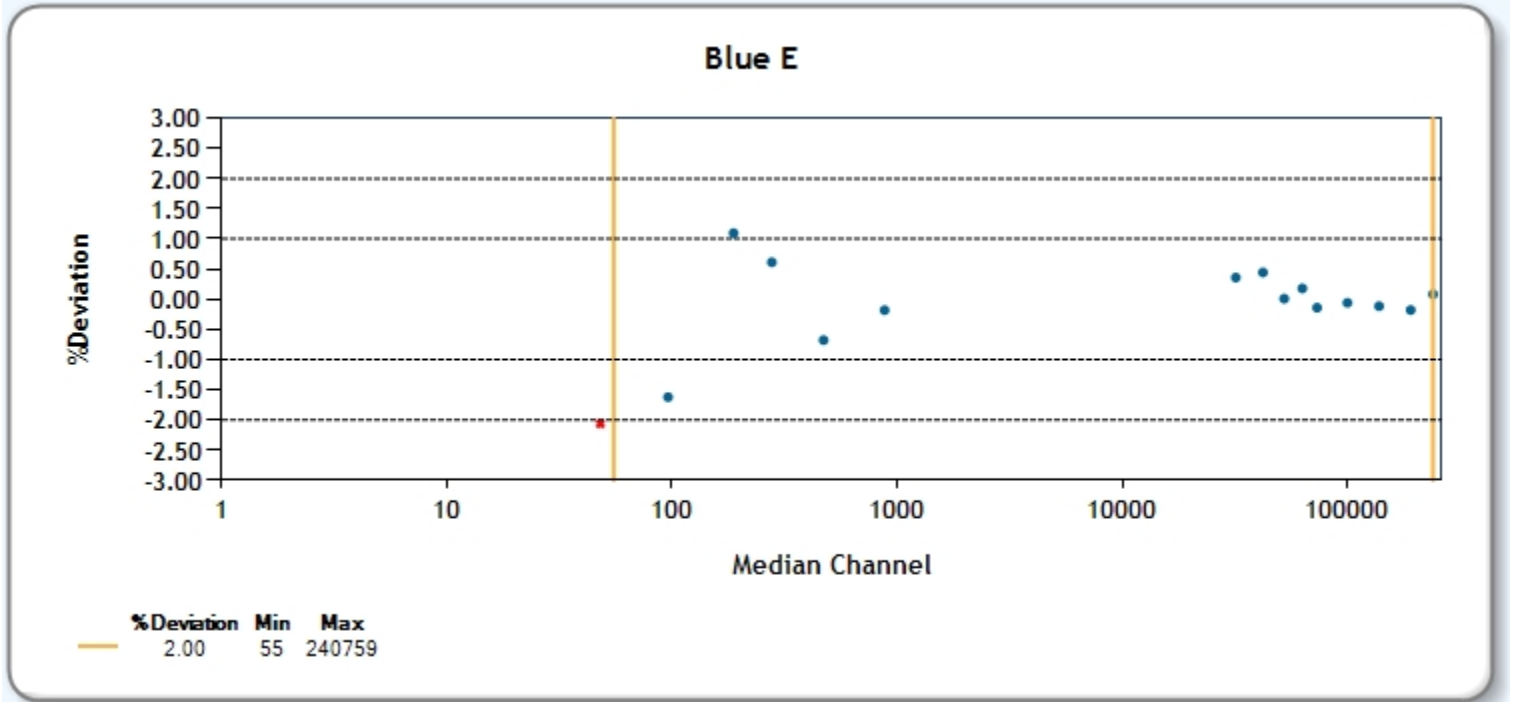


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Linearity Results

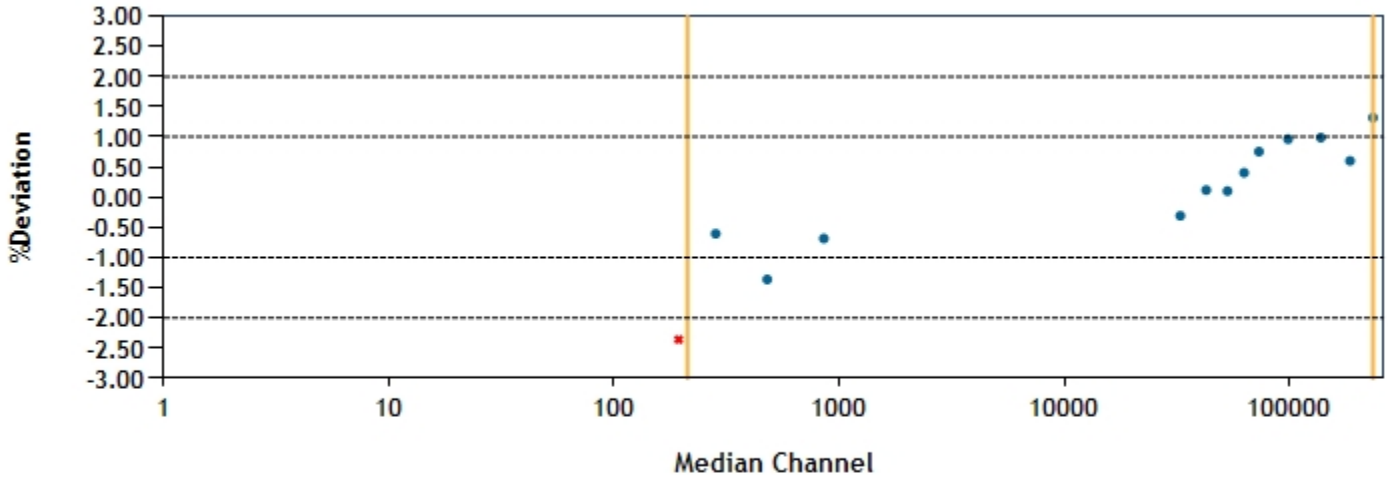


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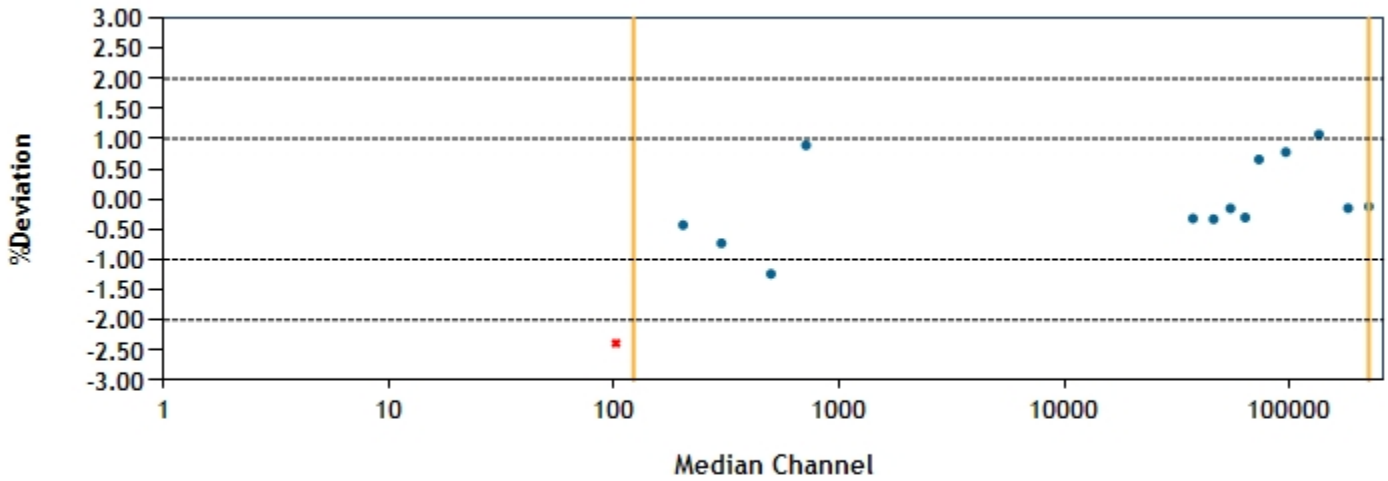
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Blue B



%Deviation Min Max
2.00 212 235575

Blue A

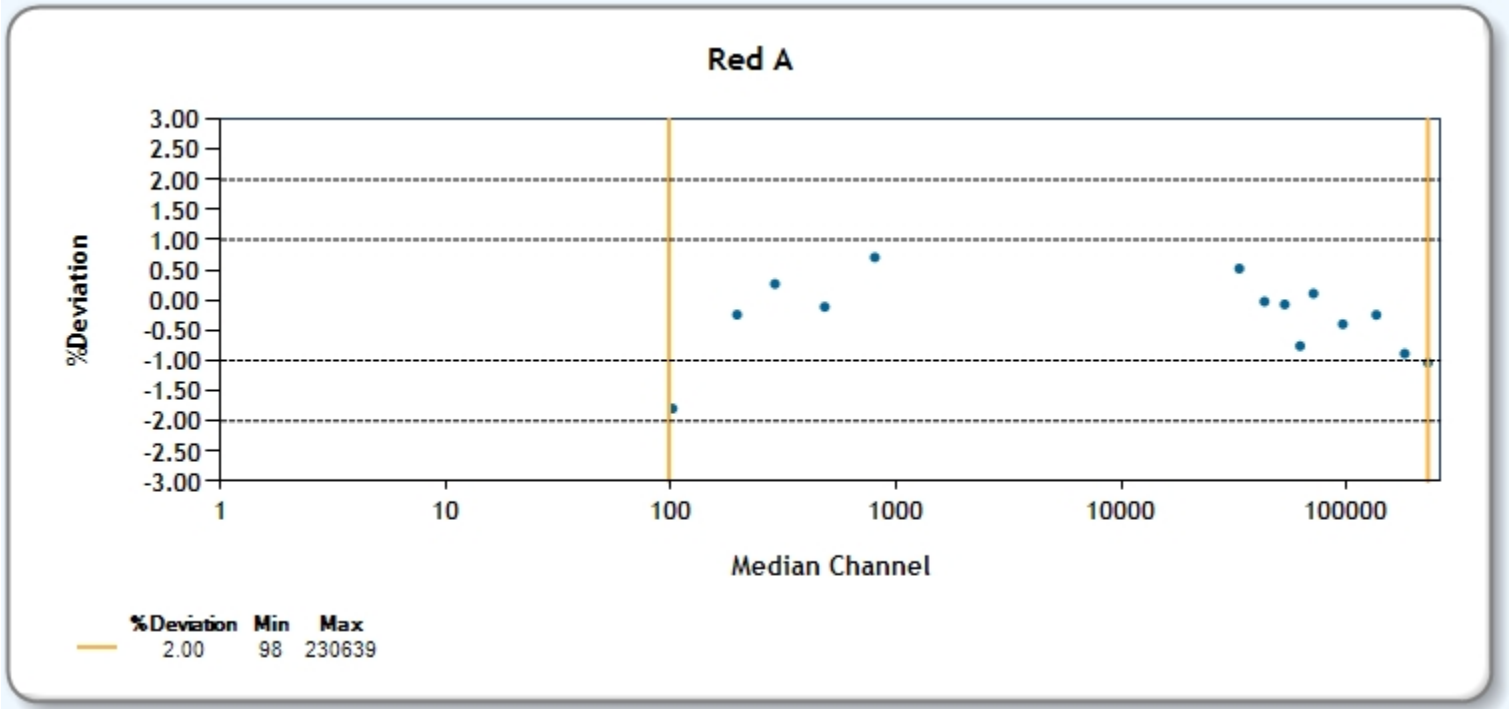
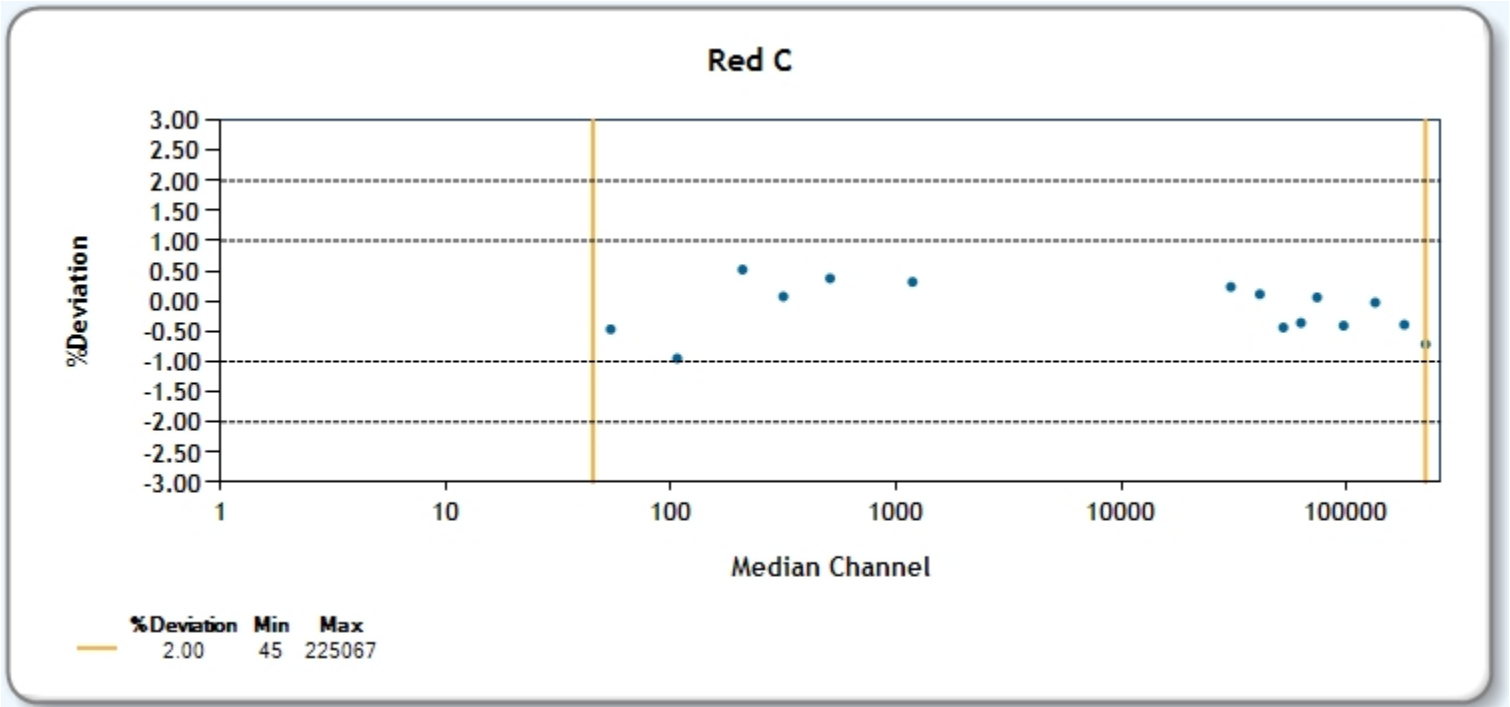


%Deviation Min Max
2.00 122 225794

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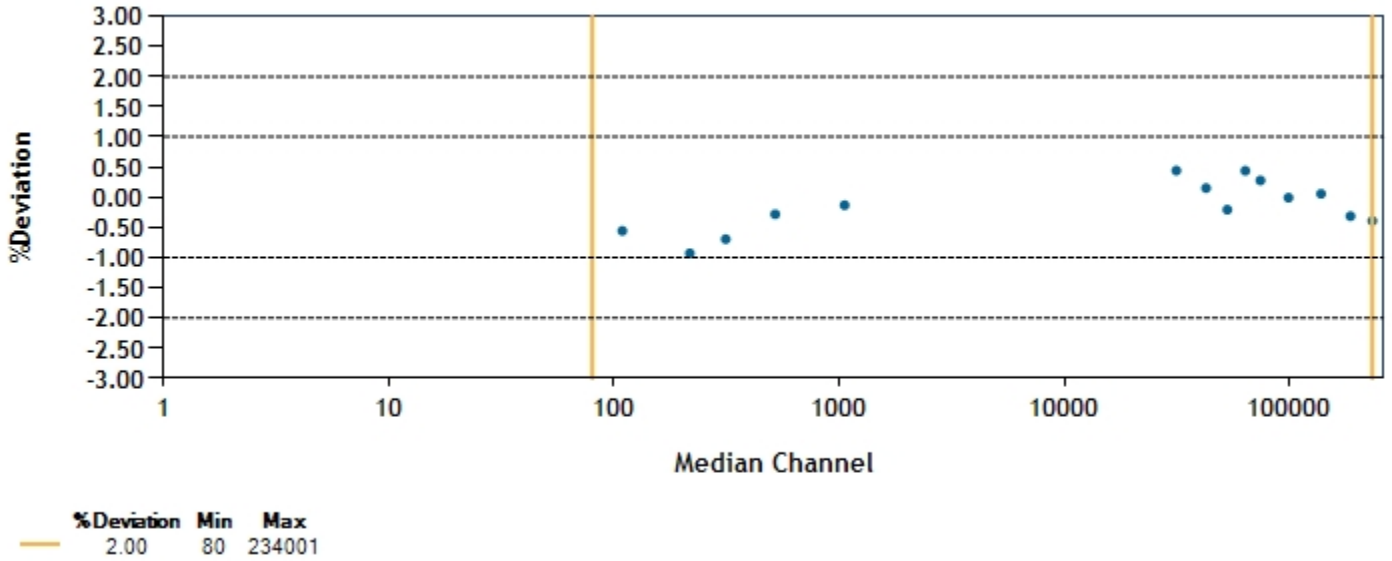


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Violet B



Violet A

