

Cytometer Baseline Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 03/02/2015 10:16 AM

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	579	125000	125000	1.29	138144	1.28	19208	7.48
Blue	F	SSC	410	125000	125000	1.59	131565	1.60	63857	1.56
Blue	E	FITC	461	19605	18142	2.67	456	19.32	92	57.39
Blue	D	PE	499	34814	34421	1.76	796	13.55	184	44.24
Blue	B	PE-Cy5	631	54892	52592	3.64	2020	17.88	270	51.32
Blue	A	PE-Cy7	666	46343	44406	6.46	1384	25.29	158	80.37
Red	C	APC	685	53666	51708	2.58	2062	13.03	406	30.11
Red	A	APC-Cy7	530	51403	48360	2.94	2145	9.33	243	31.17
Violet	B	DAPI	470	11521	11743	2.59	756	12.35	114	60.23
Violet	A	AmCyan	523	44635	41027	2.14	1155	9.61	184	32.52

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	7.6682	-14.9	N/A	N/A	N/A
Blue	E	FITC	47	241201	7.5394	-15.8	30.9	0.0204	169
Blue	D	PE	46	238769	7.4157	-15.5	30.7	0.2084	364
Blue	B	PE-Cy5	130	240027	7.4392	-16.1	31.9	0.0081	55
Blue	A	PE-Cy7	235	233333	7.4234	-16.3	30.7	0.0152	20
Red	C	APC	44	230955	7.3410	-16.1	25.2	0.0196	83
Red	A	APC-Cy7	87	242393	7.4112	-15.5	25.9	0.0047	926
Violet	B	DAPI	80	241829	7.2924	-15.4	25.6	0.0480	2639
Violet	A	AmCyan	160	241411	7.3799	-15.4	26.4	0.0229	1096

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 Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.71 - 71.57	N/A	N/A	-30.00	-29.78	1.19
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.49
Red	17.40	13.20 - 19.80	N/A	N/A	28.86	29.24	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9790

Fluidics

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

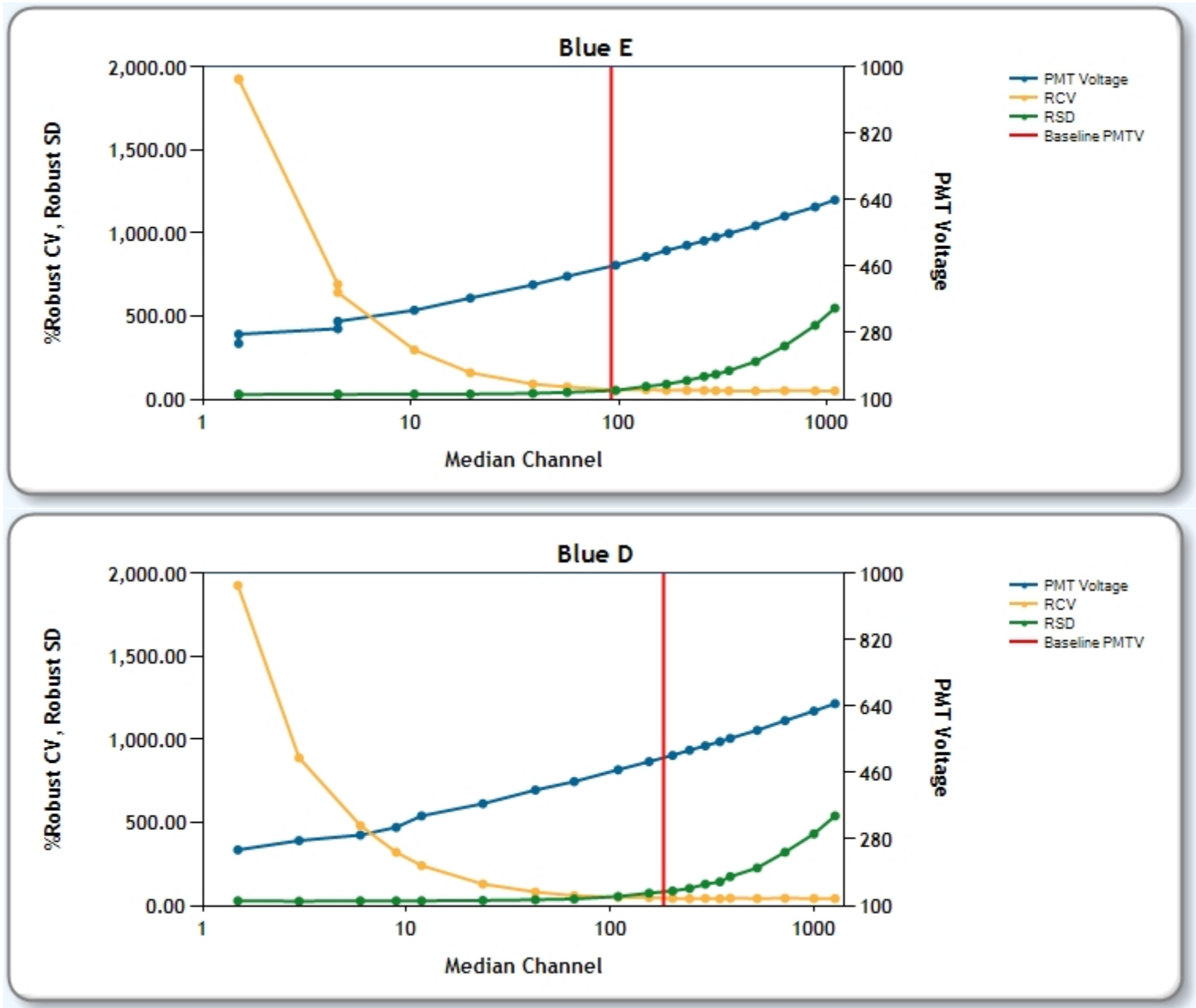
Comments

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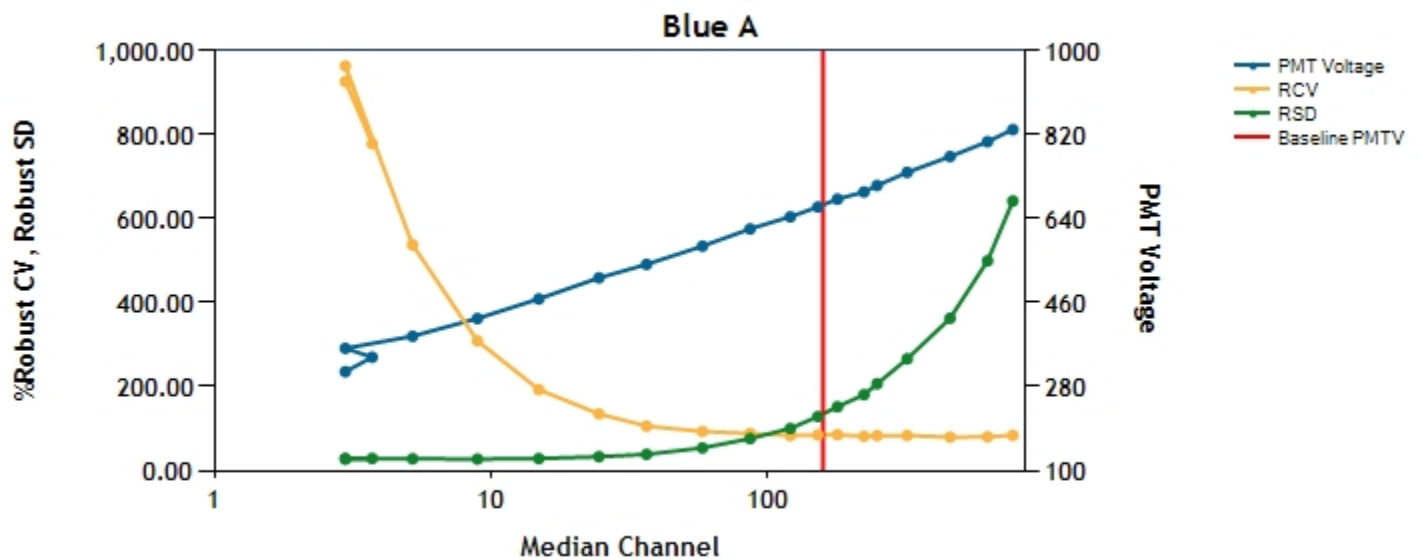
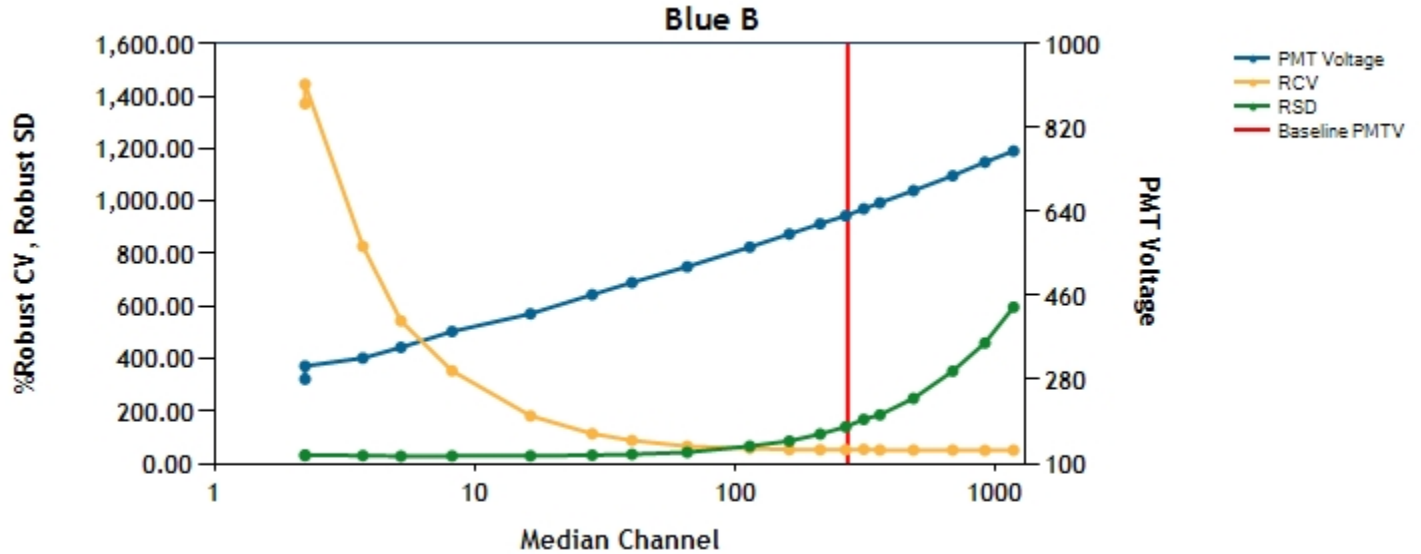
PMTV Optimization Results



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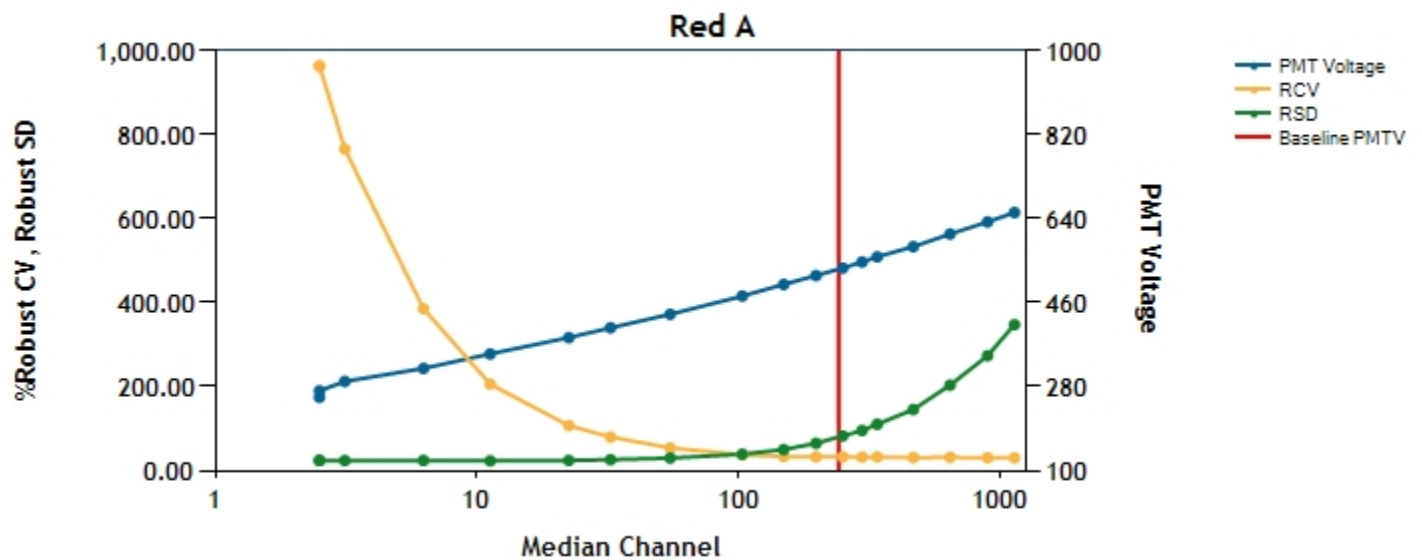
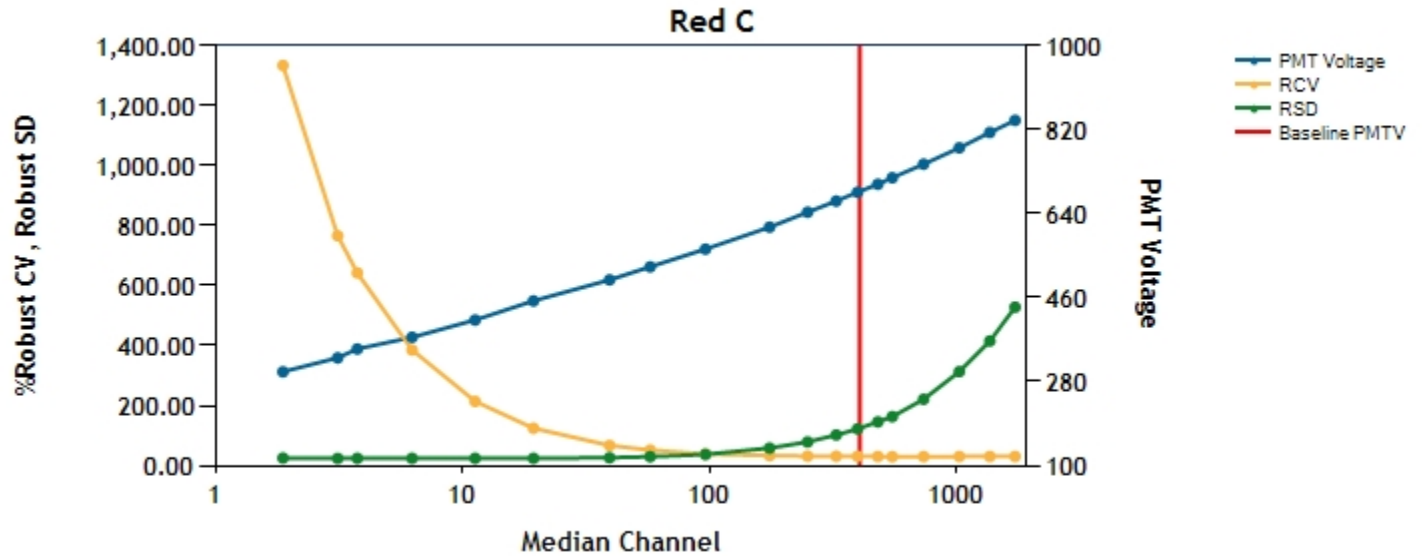
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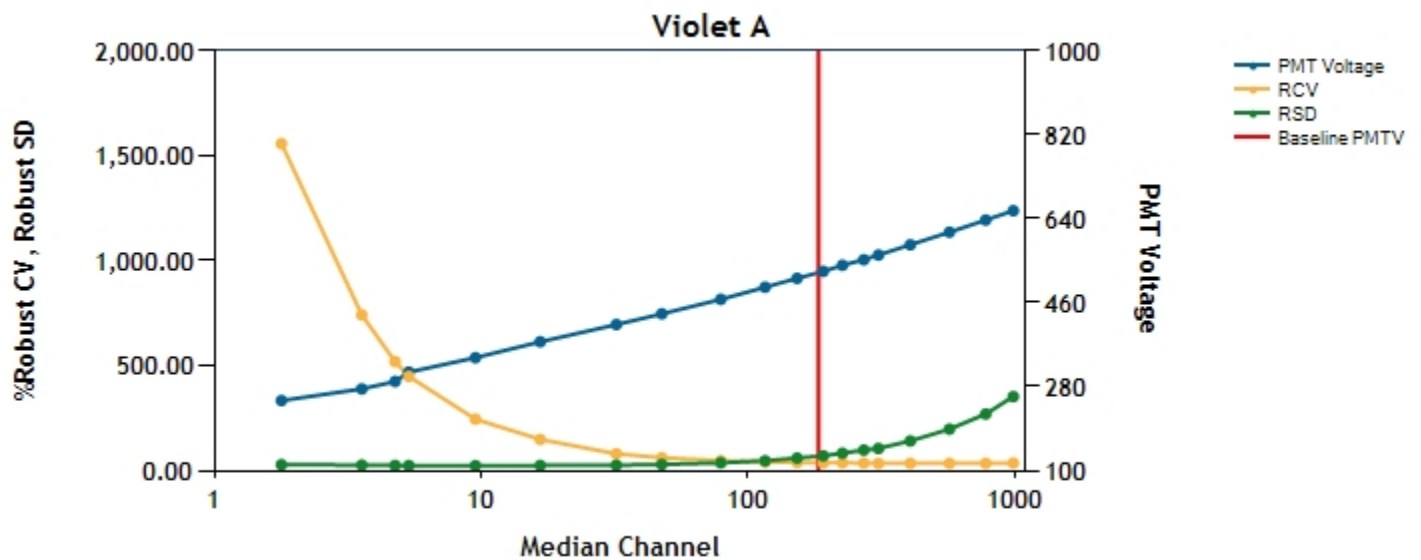
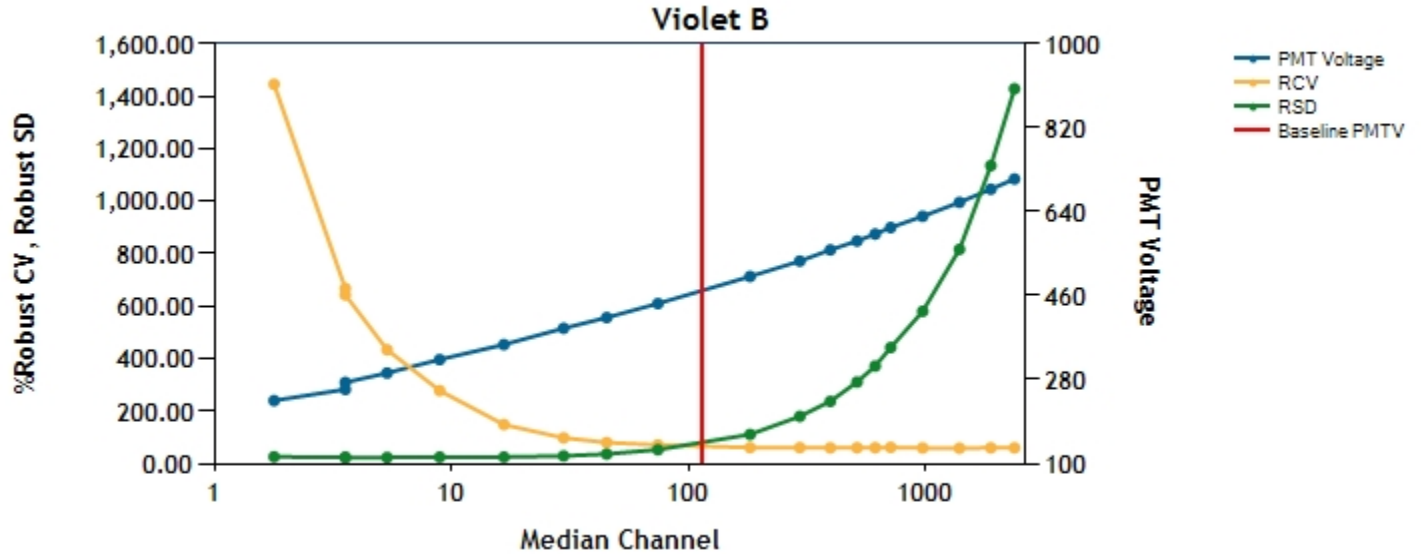
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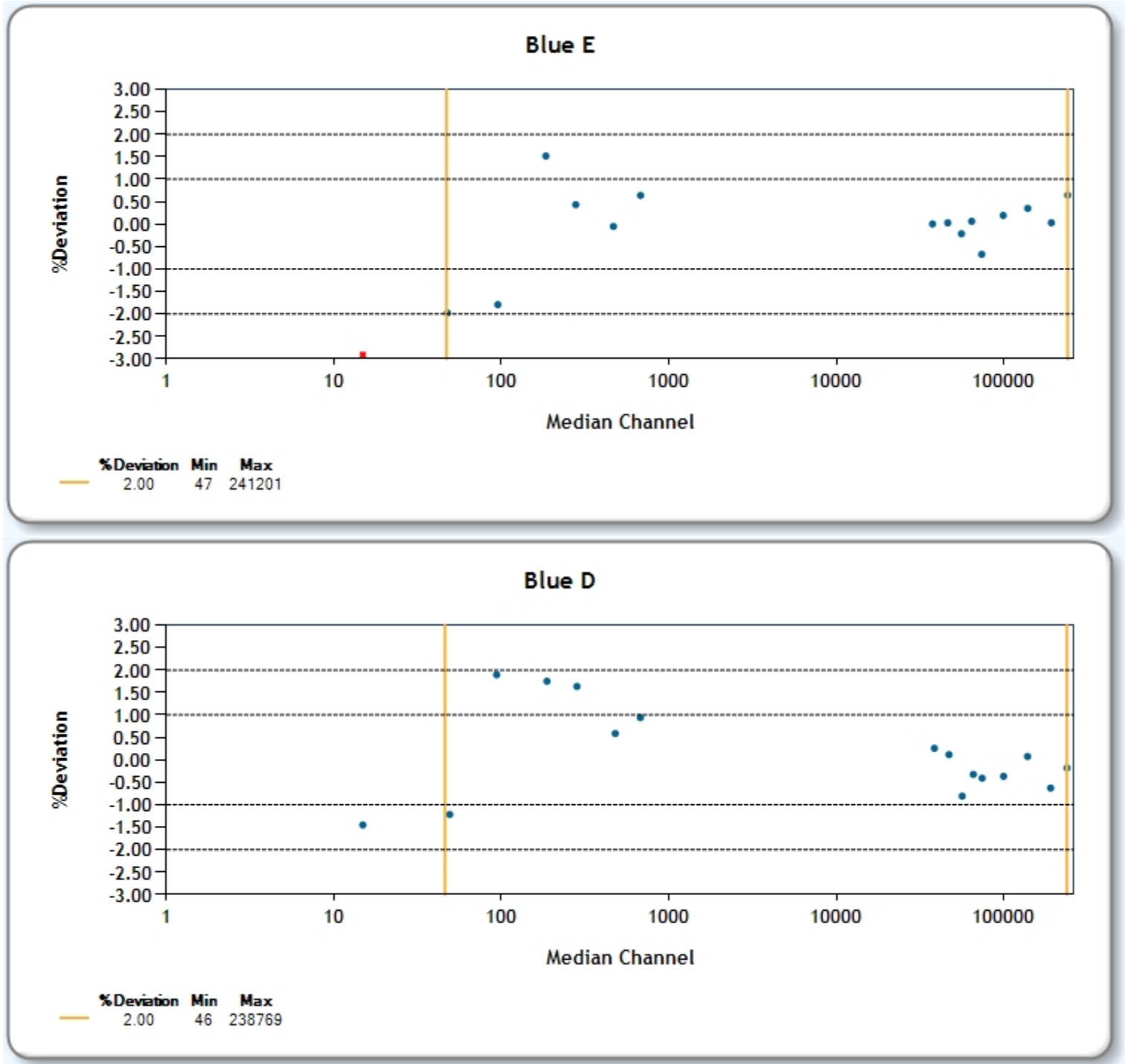


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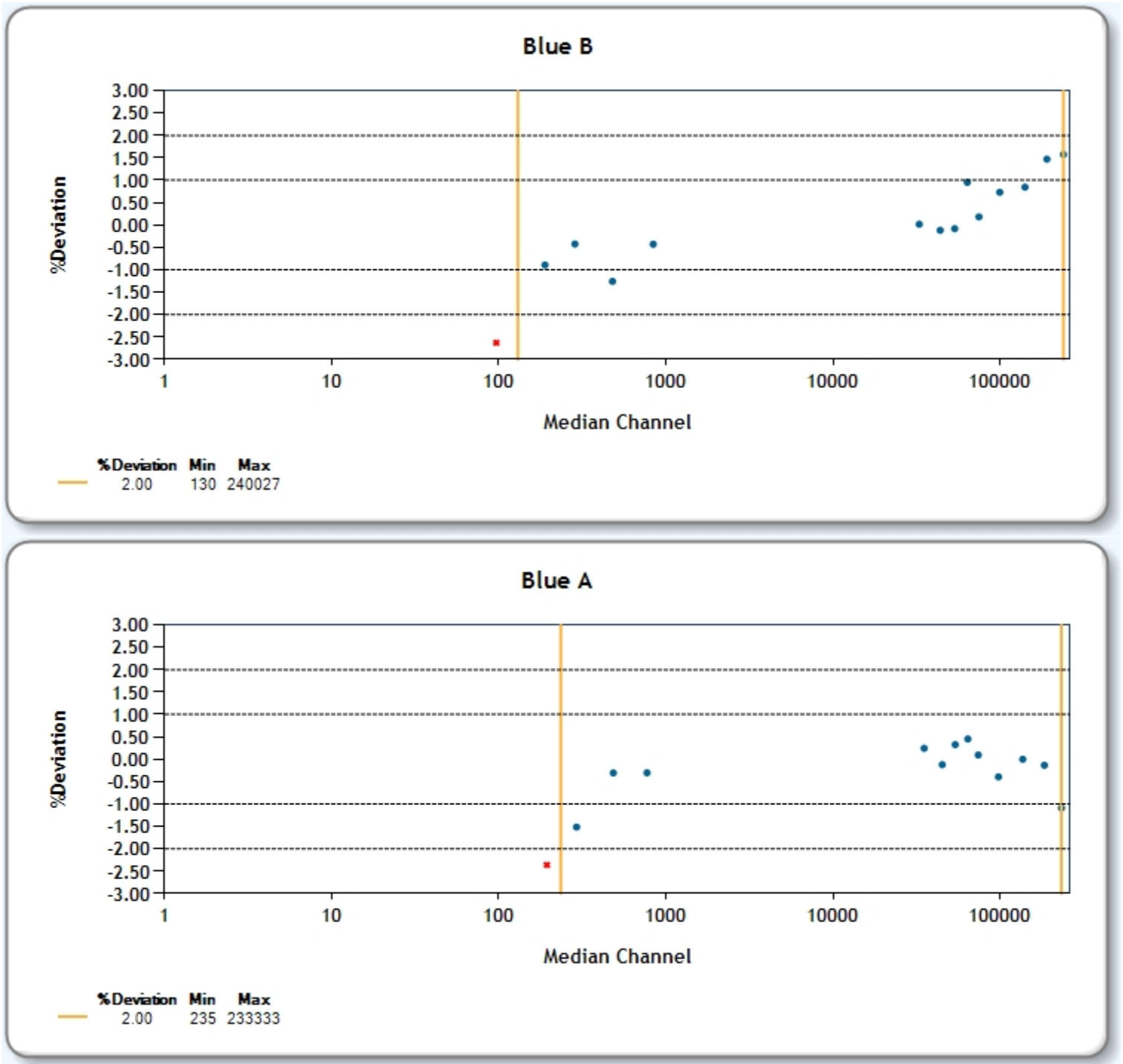
Linearity Results



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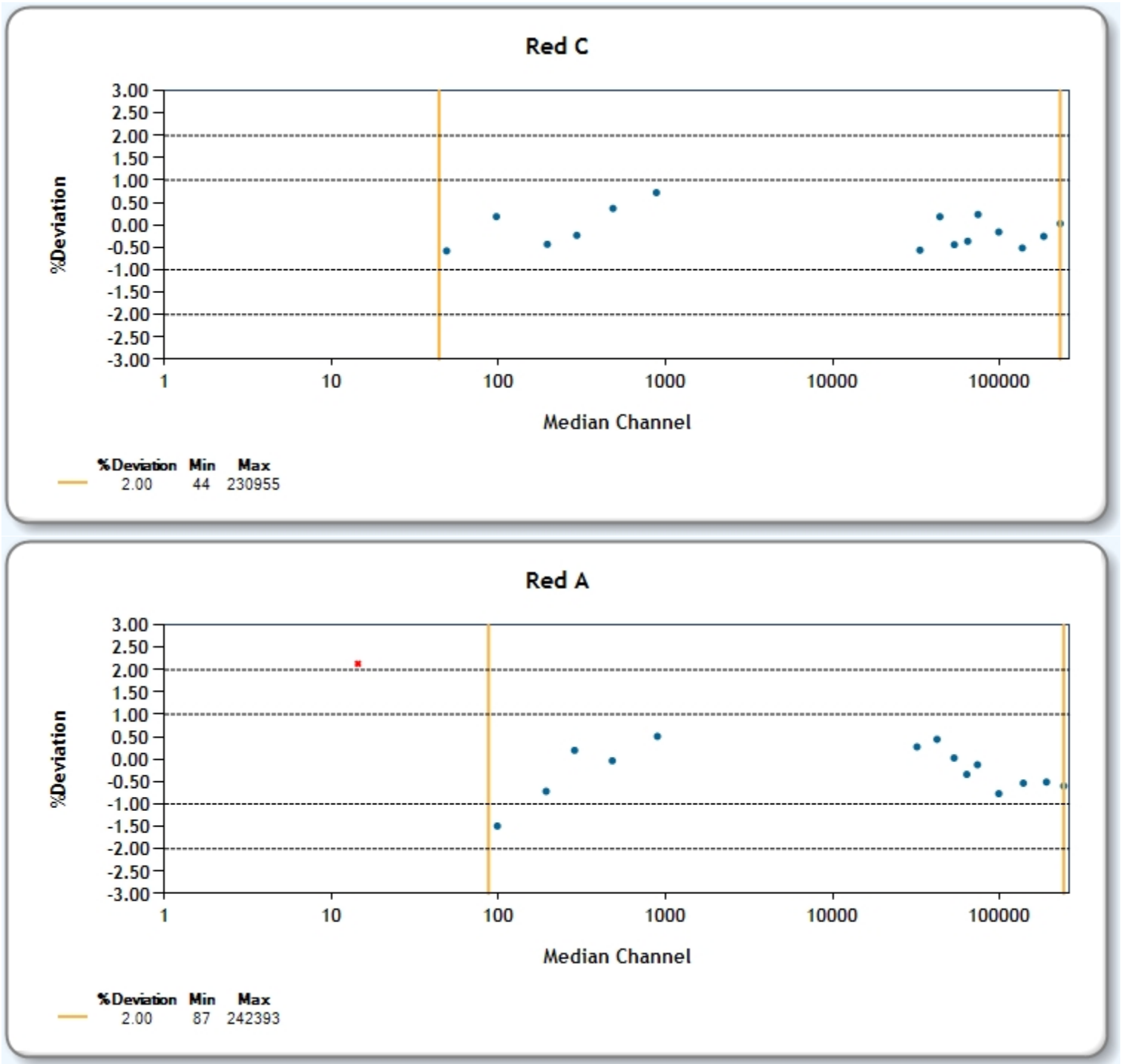
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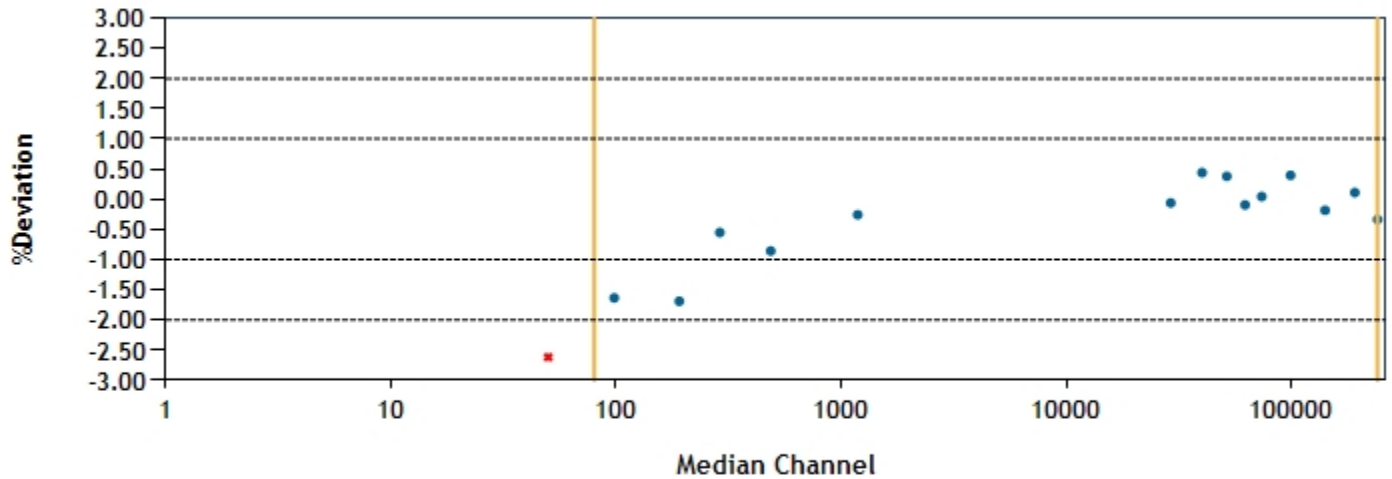


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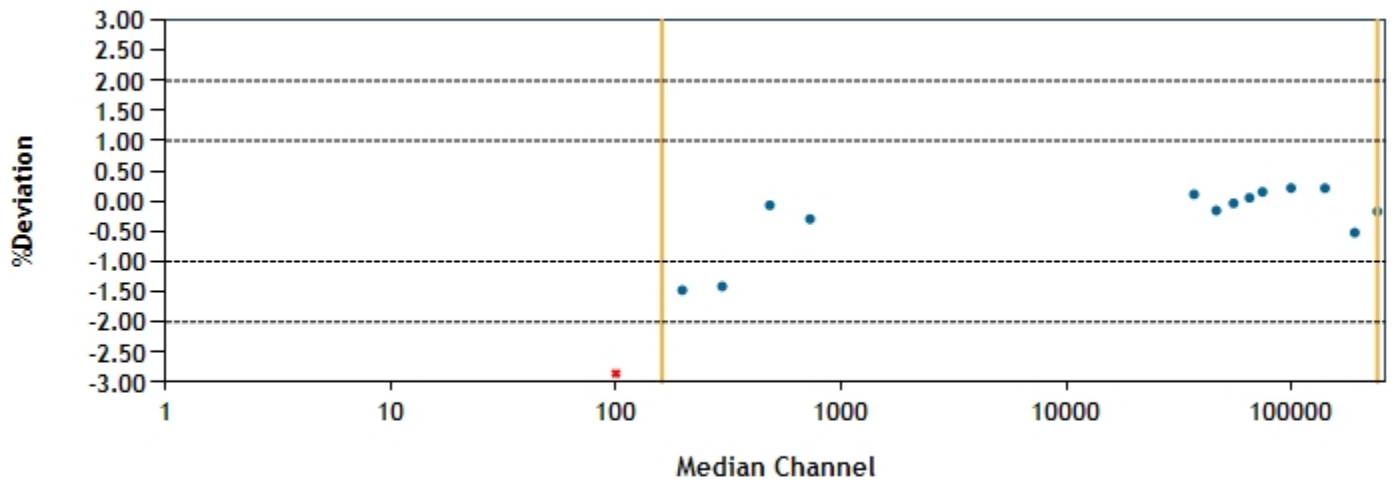
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Violet B



%Deviation Min Max
2.00 80 241829

Violet A



%Deviation Min Max
2.00 160 241411