

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: 06/08/2015 10:24 AM

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	573	125000	N/A	1.39	123364	1.38	16968	8.25
Blue	F	SSC	410	125000	N/A	1.81	126985	1.79	61464	1.66
Blue	E	FITC	466	20752	N/A	2.76	490	18.76	91	59.78
Blue	D	PE	502	34971	N/A	1.87	697	15.39	177	45.71
Blue	B	PE-Cy5	638	59521	N/A	4.00	1200	24.07	245	57.16
Blue	A	PE-Cy7	676	45673	N/A	6.91	601	41.53	122	101.82
Red	C	APC	687	57794	N/A	2.50	1388	15.94	385	30.59
Red	A	APC-Cy7	537	53499	N/A	3.25	830	15.72	195	37.99
Violet	B	DAPI	465	11638	N/A	3.09	789	11.82	105	66.46
Violet	A	AmCyan	514	43958	N/A	2.56	1389	9.31	168	40.53

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	7.6732	-14.9	N/A	N/A	N/A
Blue	E	FITC	79	241584	7.5419	-15.8	32.8	0.0215	188
Blue	D	PE	140	96549	7.4128	-15.5	30.6	0.1761	297
Blue	B	PE-Cy5	84	183662	7.4555	-16.1	30.6	0.0073	90
Blue	A	PE-Cy7	171	232820	7.4368	-16.4	28.2	0.0116	27
Red	C	APC	46	230236	7.3432	-16.1	23.7	0.0183	65
Red	A	APC-Cy7	42	238949	7.4127	-15.5	24.5	0.0042	1372
Violet	B	DAPI	124	237848	7.3043	-15.4	25.1	0.0582	3600
Violet	A	AmCyan	123	237475	7.3714	-15.3	25.2	0.0211	2066

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	59.62	47.71 - 71.57	N/A	N/A	-30.02	-29.74	1.21
Blue	20.26	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.48
Red	16.45	13.20 - 19.80	N/A	N/A	28.82	29.00	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9922

Fluidics

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

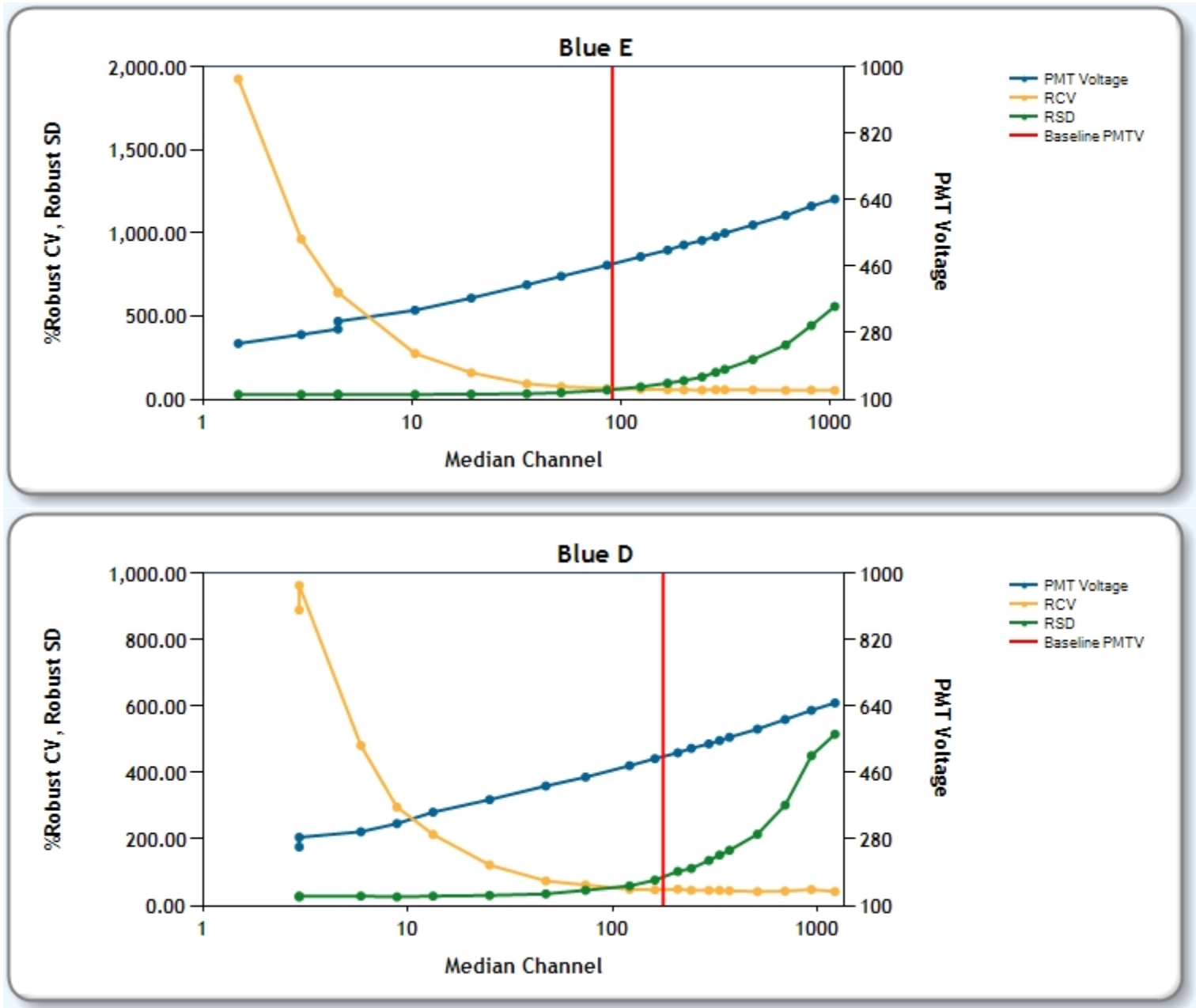
Comments

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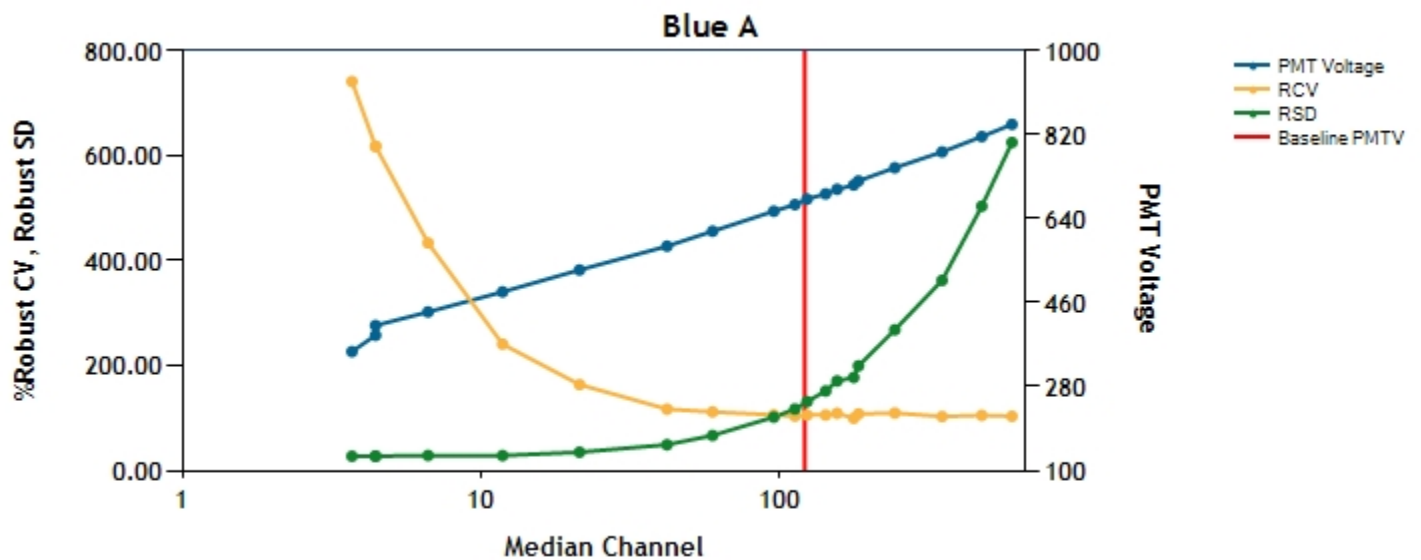
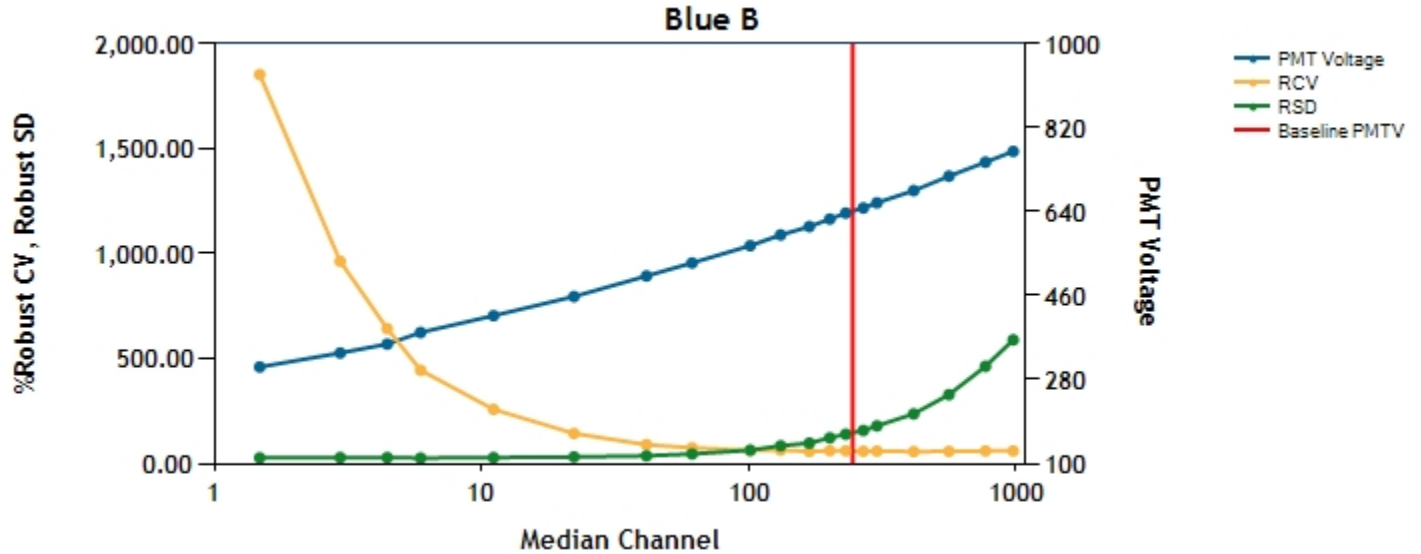
PMTV Optimization Results



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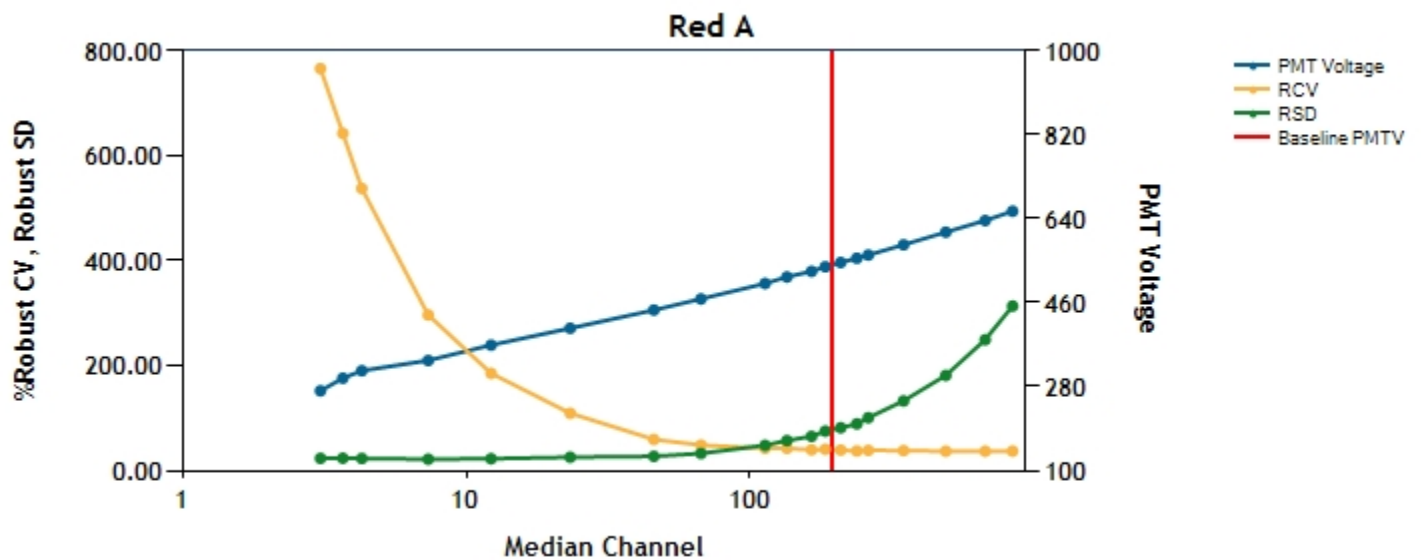
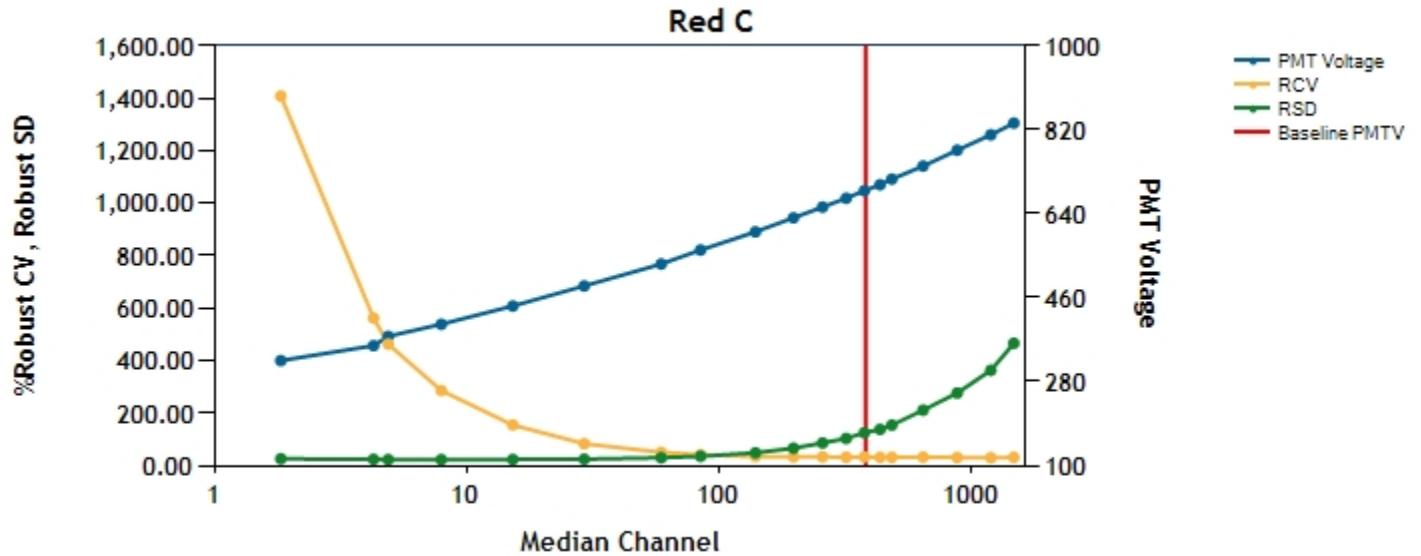
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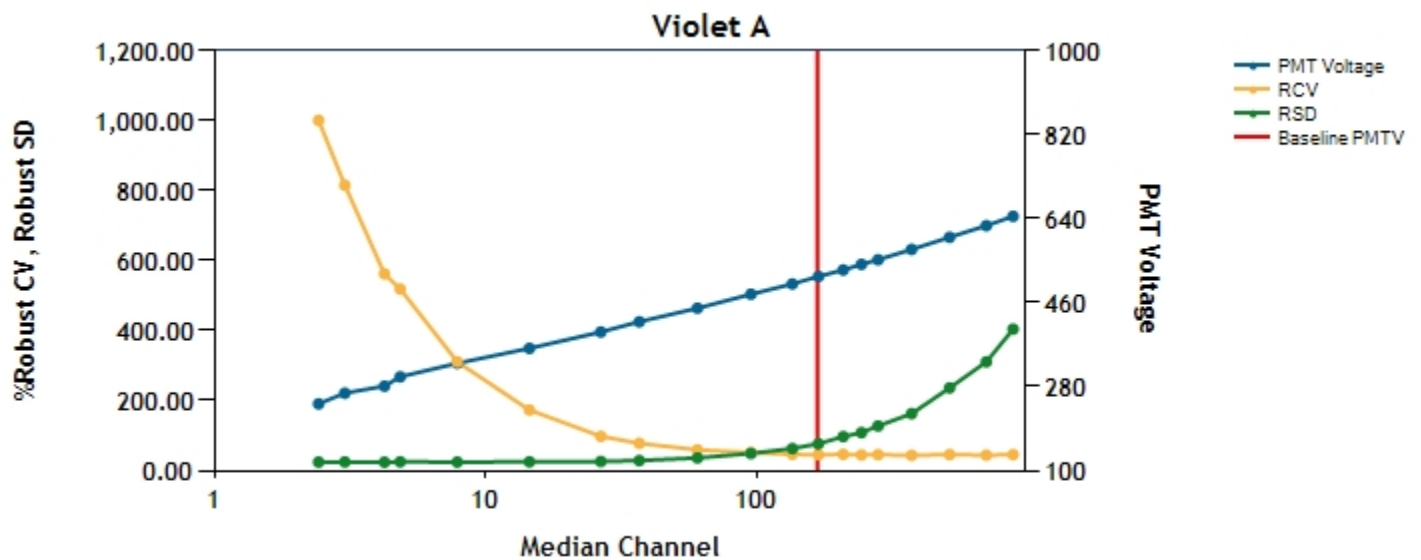
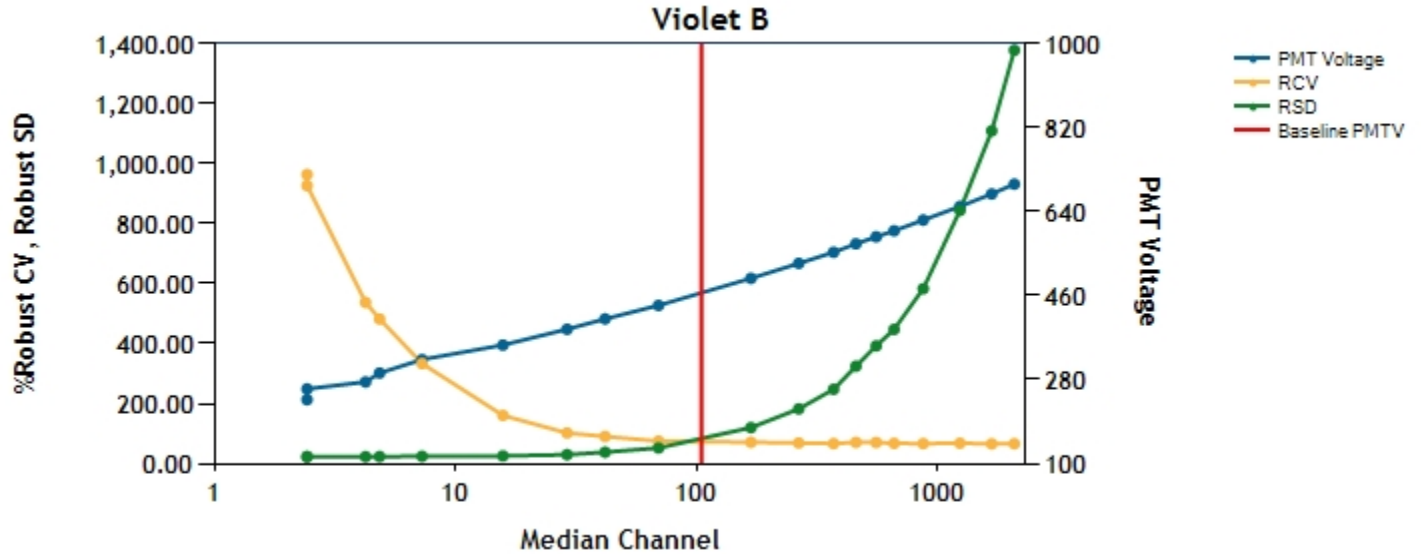
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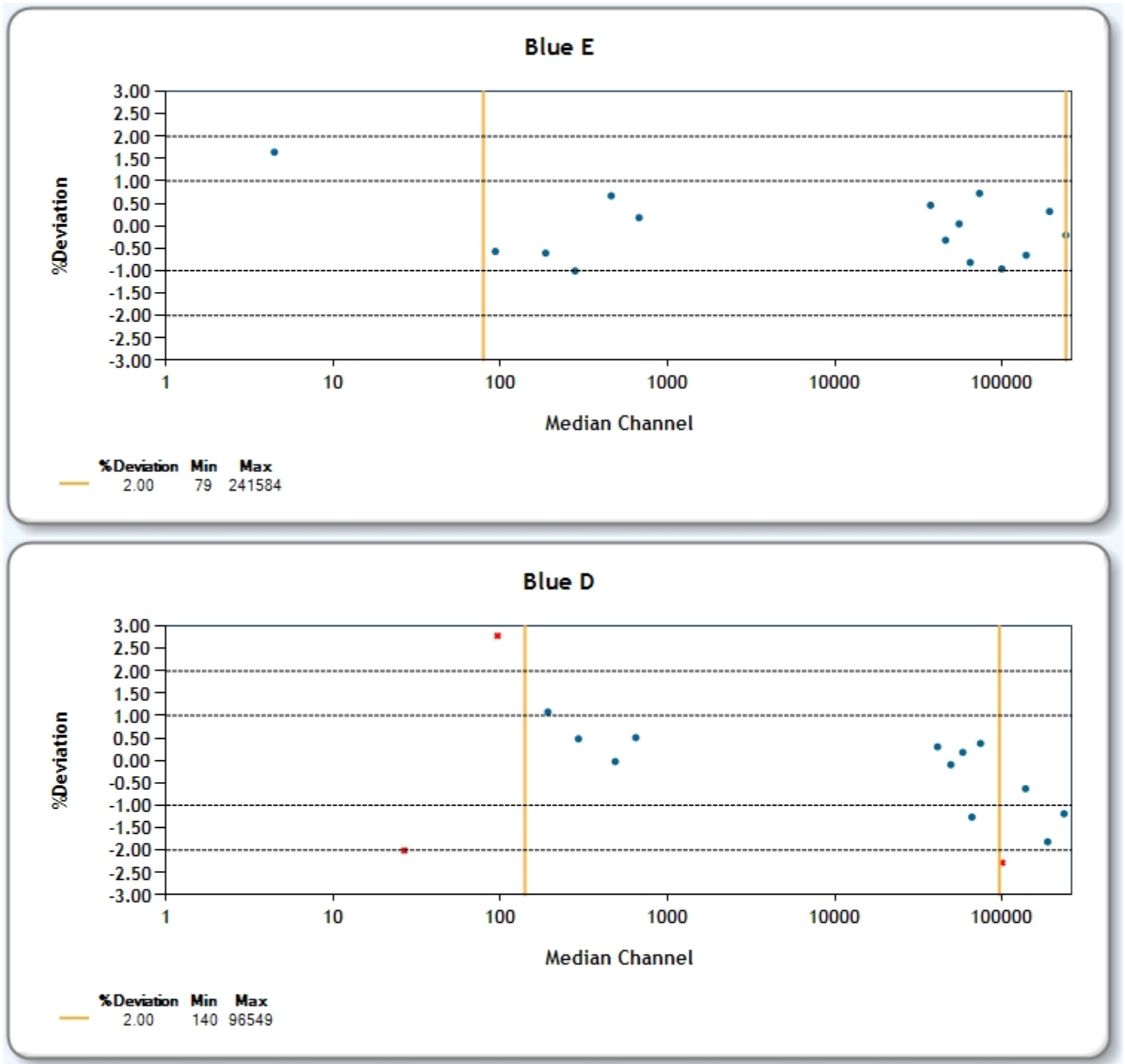


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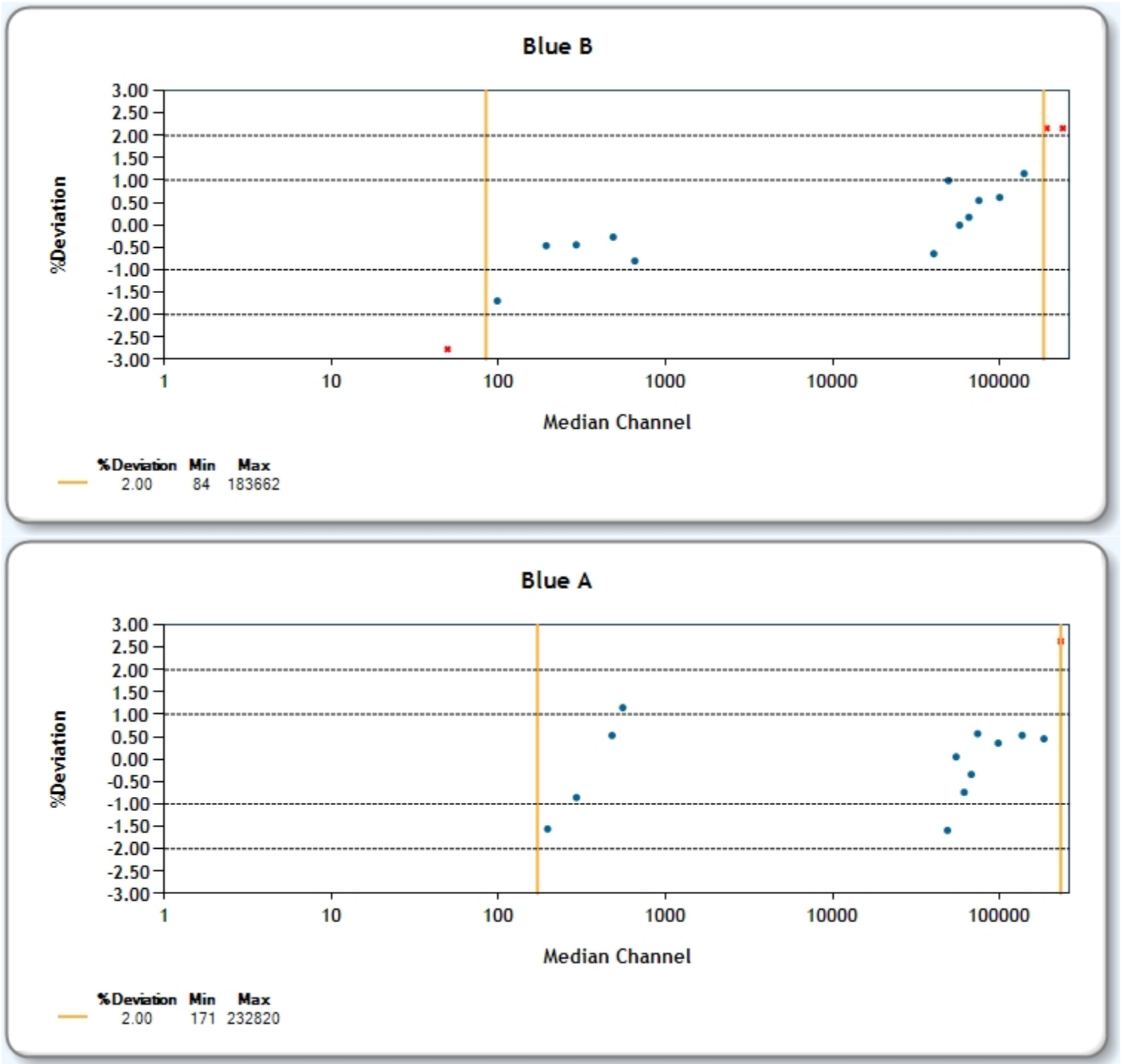
Linearity Results



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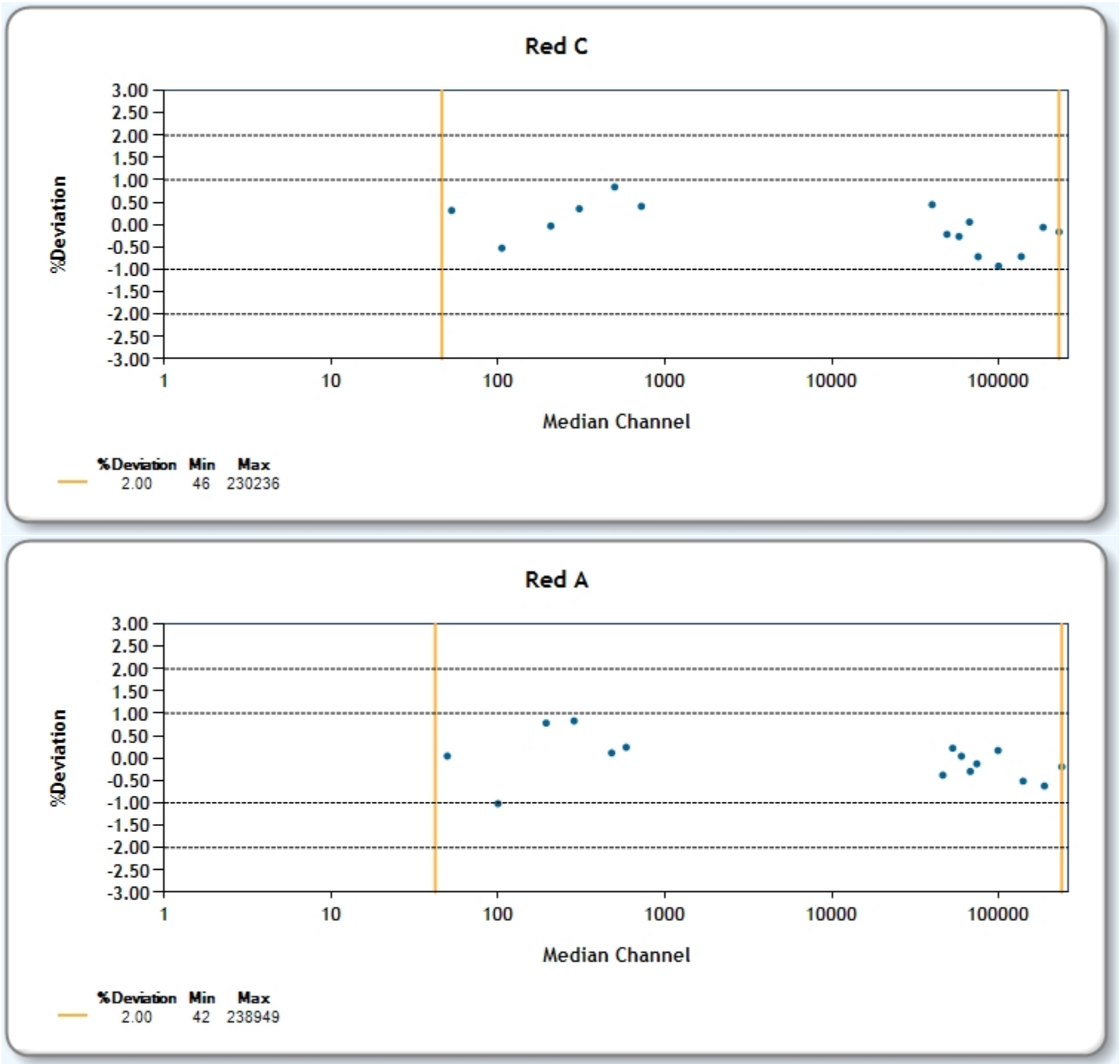
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