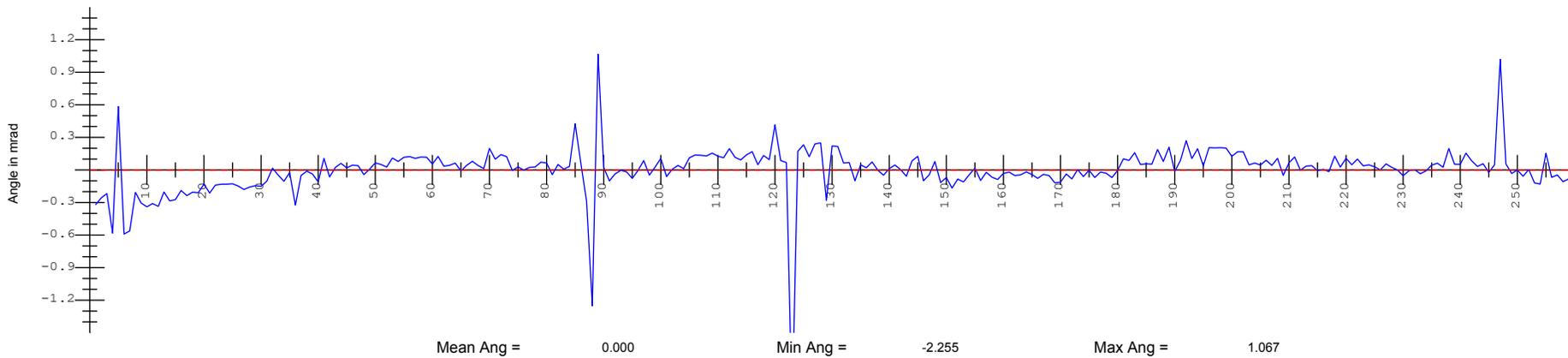


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Tuning Gap ZX Plane



Dimensions in MM, Angles in Milliradians

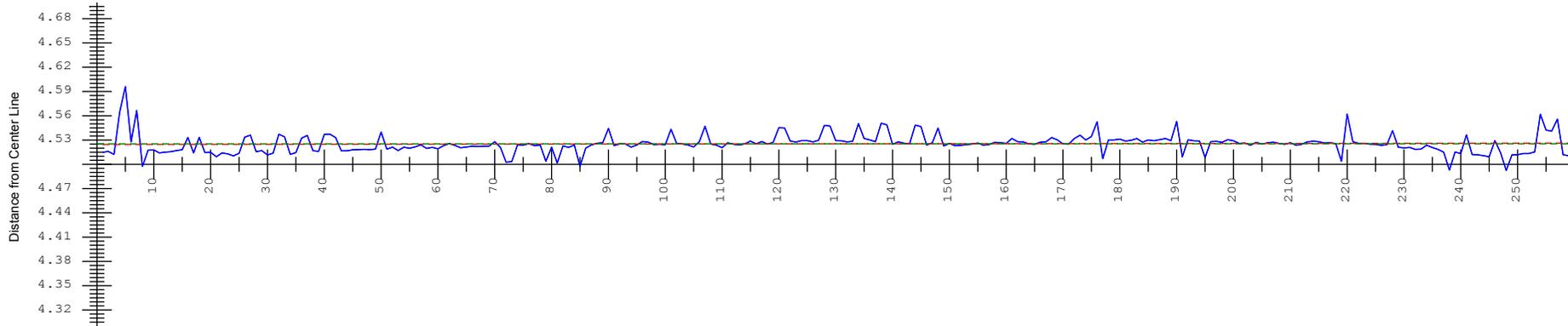


HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	9.0000
Nom. Taper :	0.000	US Wall Half :	4.5002	DS Wall Half :	4.5015
		US Aisle Half :	4.4989	DS Aisle Half :	4.4986

S/N	: HXU_004
Date	: 16-JUL-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 4.525 Aisle Pole Min. = 4.492 Aisle Pole Max. = 4.596 Reg. Line Ang. = 0.001



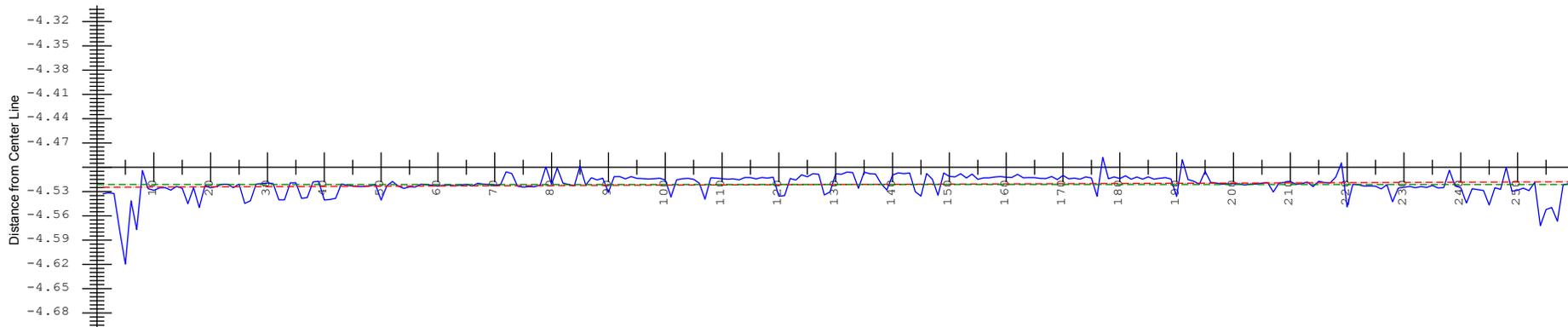
Aisle Pole Tips at Nom. Beam Height

Blue = Pole Tip points
Green = Mean line
Red = Regression line thru points

Pole Tip Num. ----->

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 8.975



Wall Pole Mean = -4.521 Wall Pole Min. = -4.620 Wall Pole Max. = -4.488 Reg. Line Ang. = 0.002

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	9.0000
Nom. Taper :	0.000	US Wall Half :	4.5002	DS Wall Half :	4.5015
		US Aisle Half :	4.4989	DS Aisle Half :	4.4986

S/N	: HXU_004
Date	: 16-JUL-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Values Calculated from Regression Line End Points

Dimension	X Value	Y Value	Z Value	Calc. Value
US Aisle Pole Tip(1)	4.525	0.000	8.750	
US Wall Pole Tip(1)	-4.525	0.000	8.750	
US Sym. Pt.	0.000			
US Gap				9.049
DS Aisle Pole Tip(260)	4.526	0.000	3375.750	
DS Wall Pole Tip(260)	-4.518	0.000	3375.750	
DS Sym. Pt.	0.004			
DS Gap				9.044
Taper				-0.005

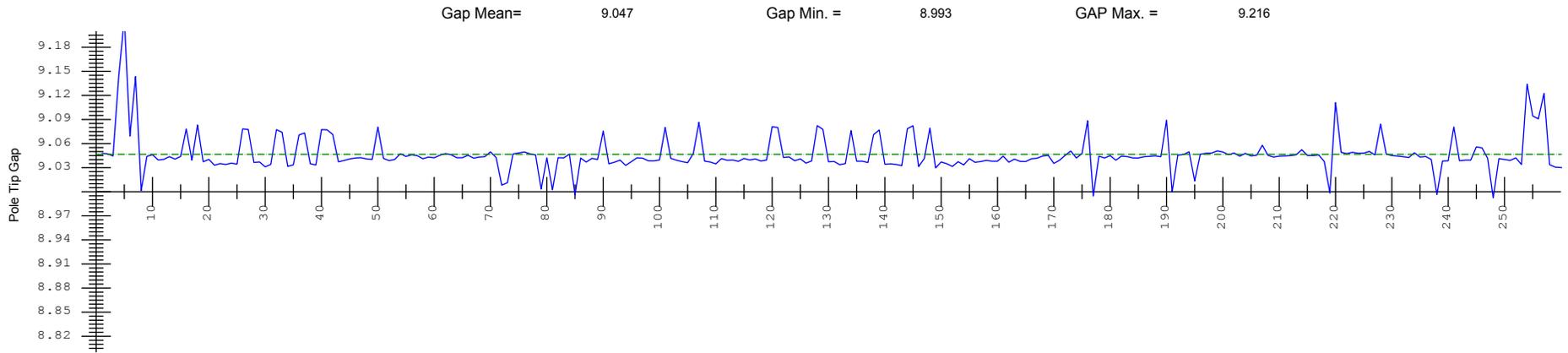
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	9.0000
Nom. Taper :	0.000	US Wall Half :	4.5002	DS Wall Half :	4.5015
		US Aisle Half :	4.4989	DS Aisle Half :	4.4986

S/N	: HXU_004
Date	: 16-JUL-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

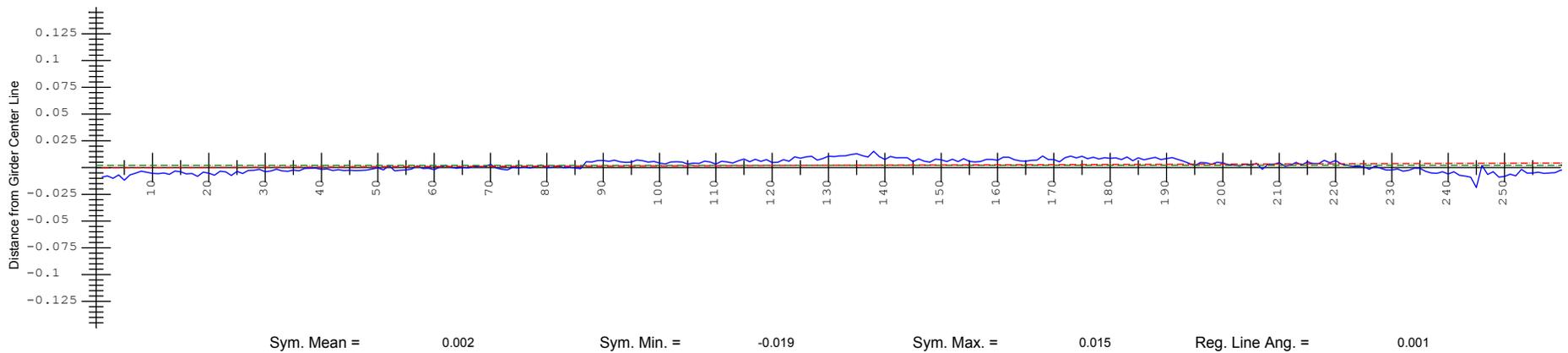


Pole Tip Gap at Nom. Beam Height

Blue = Pole Tip points
 Green = Mean line
 Red = Regression line thru points

Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Girder centerline in reference to Pointed Magnets

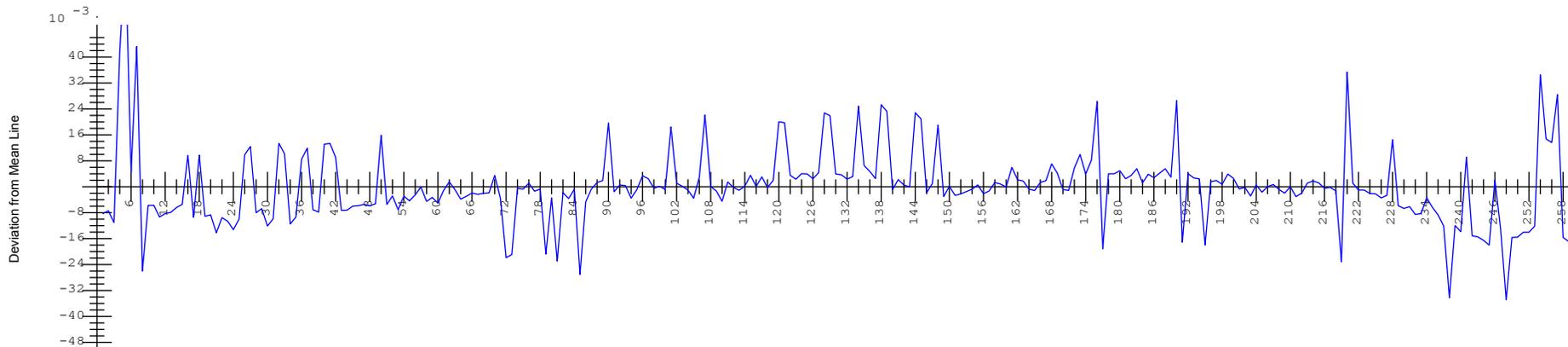
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	9.0000
Nom. Taper :	0.000	US Wall Half :	4.5002	DS Wall Half :	4.5015
		US Aisle Half :	4.4989	DS Aisle Half :	4.4986

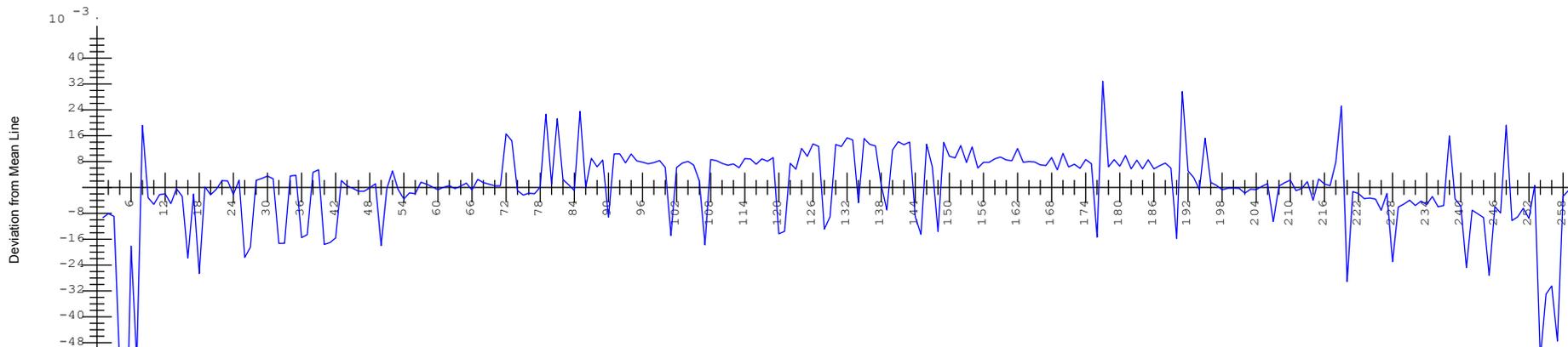
S/N	: HXU_004
Date	: 16-JUL-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips

Pole Tip Num. ----->

Wall Pole Tips



Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	9.000	US Full :	8.9999	DS Full :	9.0000
Nom. Taper :	0.000	US Wall Half :	4.5002	DS Wall Half :	4.5015
		US Aisle Half :	4.4989	DS Aisle Half :	4.4986

S/N	: HXU_004
Date	: 16-JUL-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B