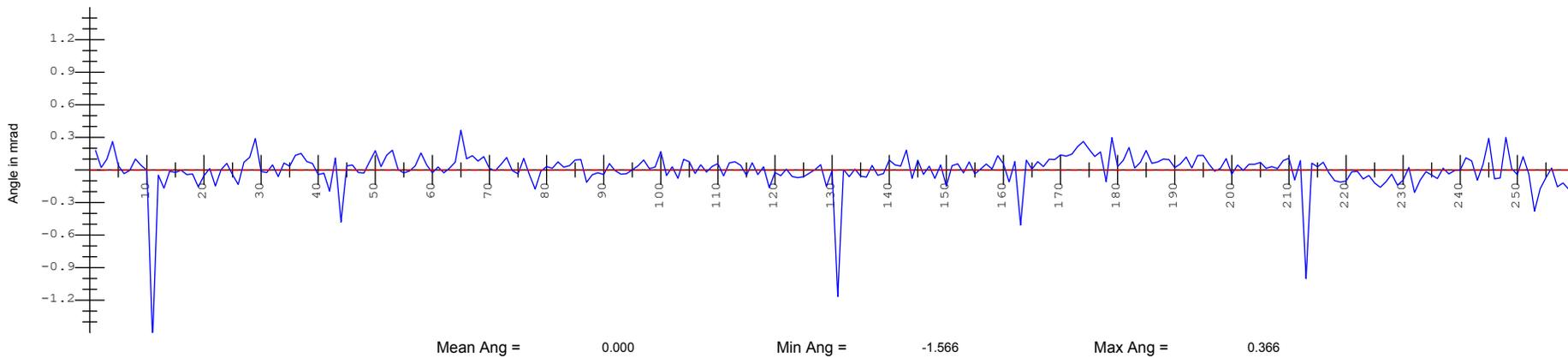


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

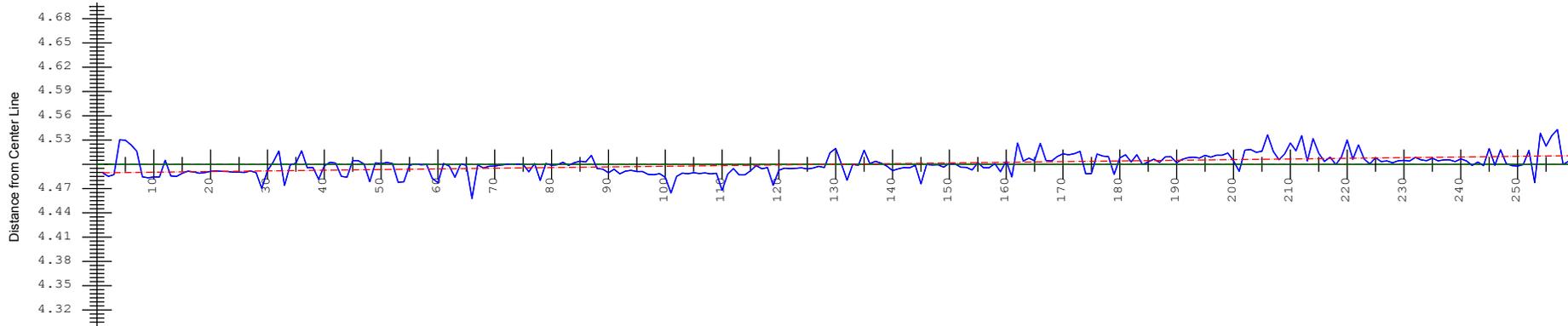


HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9998
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4991
		US Aisle Half :	4.4994	DS Aisle Half :	4.5044

S/N	: HXU_023
Date	: 26-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 4.500 Aisle Pole Min. = 4.458 Aisle Pole Max. = 4.543 Reg. Line Ang. = 0.006



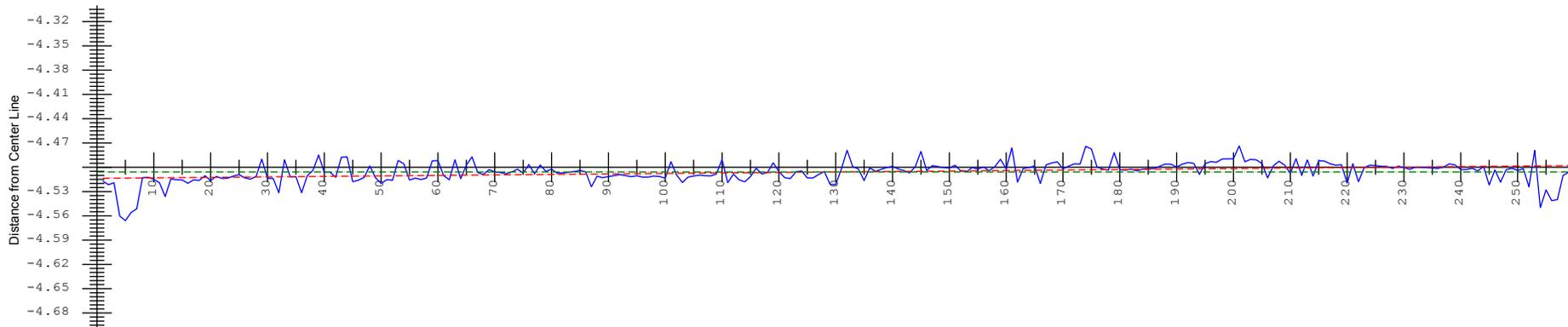
Aisle Pole Tips at Nom. Beam Height

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 = 8.915



Wall Pole Mean = -4.506 Wall Pole Min. = -4.566 Wall Pole Max. = -4.474 Reg. Line Ang. = 0.005

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 :	8.9997	DS Full :	8.9998
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4991
		US Aisle Half :	4.4994	DS Aisle Half :	4.5044

S/N	: HXU_023
Date	: 26-AUG-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)	4.490	0.000	8.750	
US Wall Pole Tip(1)	-4.514	0.000	8.750	
US Sym. Pt.	-0.012			
US Gap				9.003
DS Aisle Pole Tip(260)	4.511	0.000	3375.750	
DS Wall Pole Tip(260)	-4.498	0.000	3375.750	
DS Sym. Pt.	0.006			
DS Gap				9.009
Taper				0.006

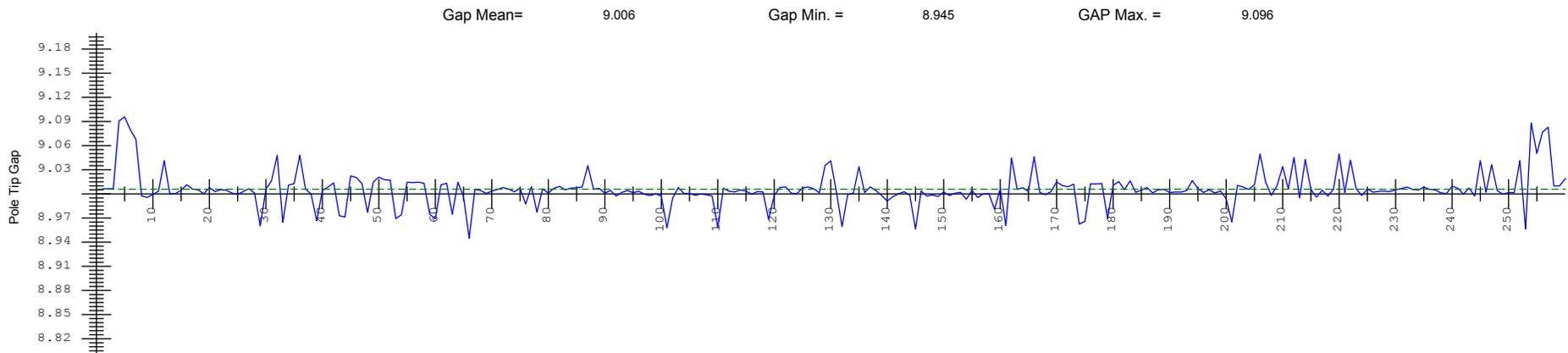
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9998
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4991
		US Aisle Half :	4.4994	DS Aisle Half :	4.5044

S/N	: HXU_023
Date	: 26-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

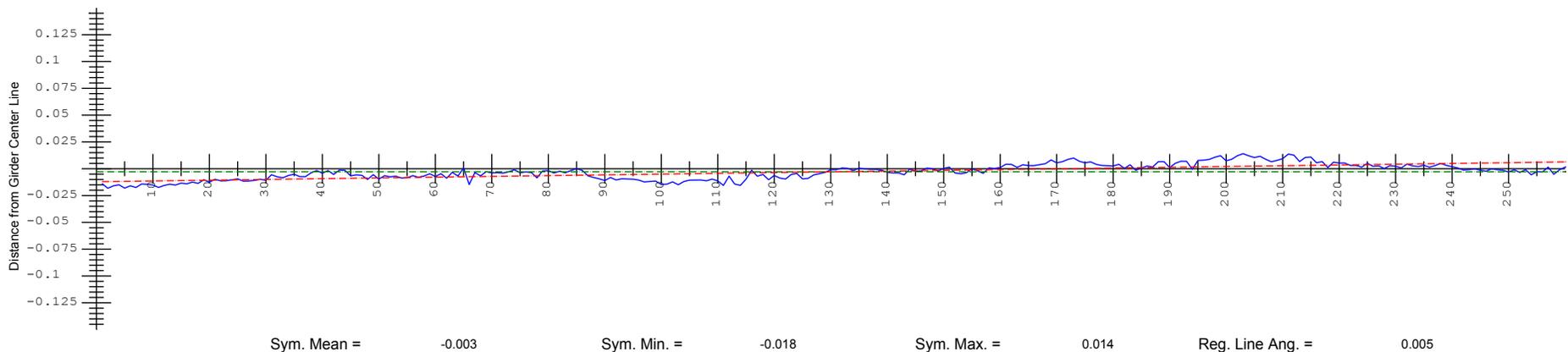


Pole Tip Gap at Nom. Beam Height

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

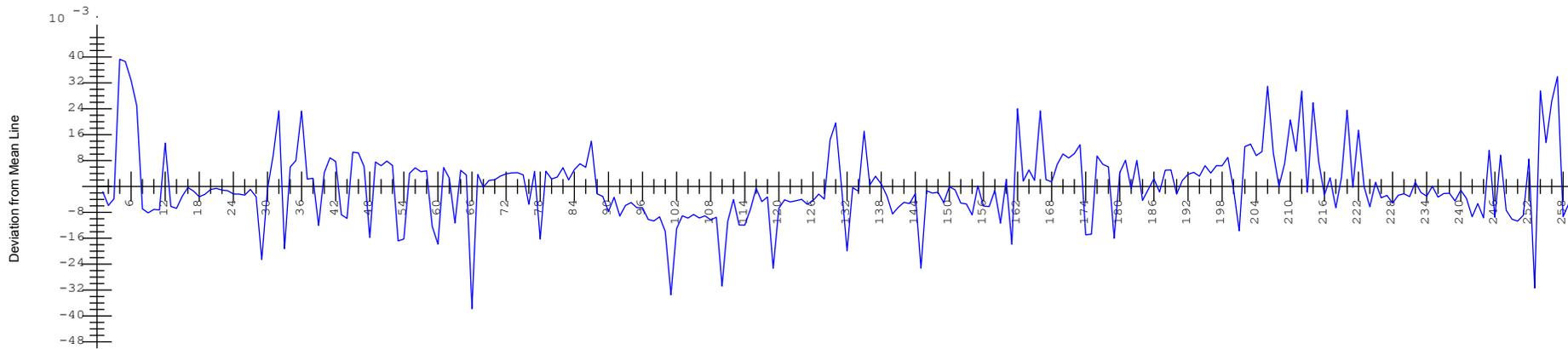
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9998
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4991
		US Aisle Half :	4.4994	DS Aisle Half :	4.5044

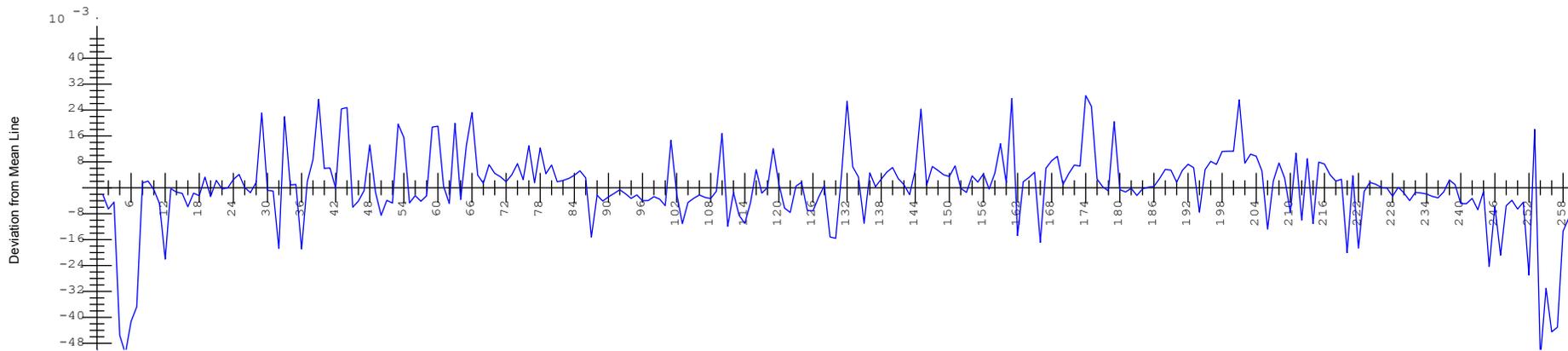
S/N	: HXU_023
Date	: 26-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	8.9997	DS Full :	8.9998
Nom. Taper :	0.000	US Wall Half :	4.5020	DS Wall Half :	4.4991
		US Aisle Half :	4.4994	DS Aisle Half :	4.5044

S/N	: HXU_023
Date	: 26-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B