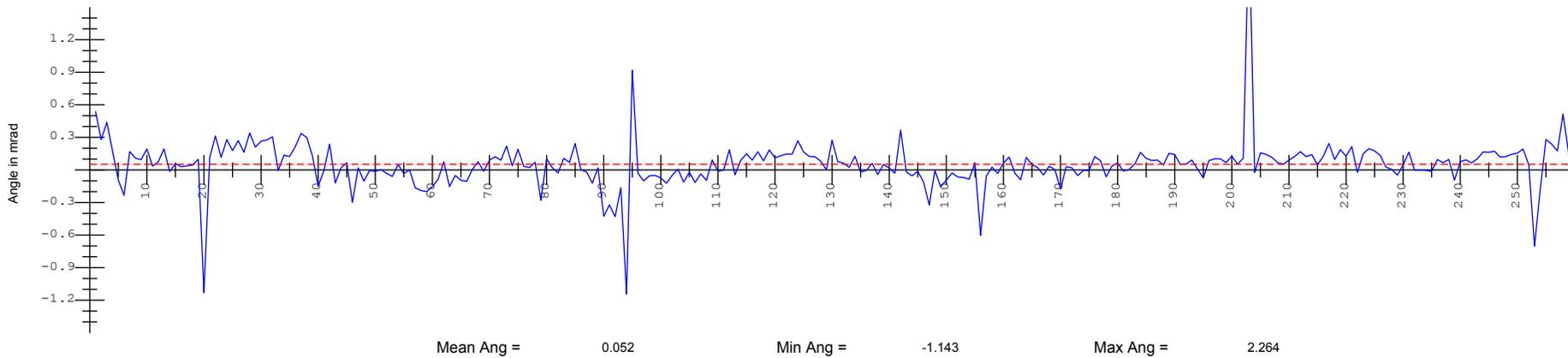


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

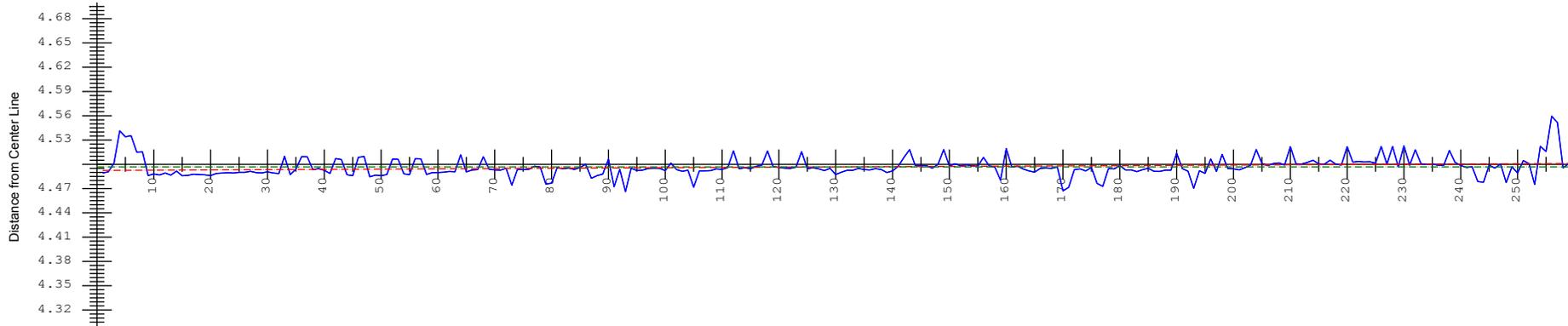


HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9995
Nom. Taper :	0.000	US Wall Half :	4.5005	DS Wall Half :	4.4996
		US Aisle Half :	4.5020	DS Aisle Half :	4.5005

S/N	: HXU_018
Date	: 07-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 4.497 Aisle Pole Min. = 4.466 Aisle Pole Max. = 4.559 Reg. Line Ang. = 0.003



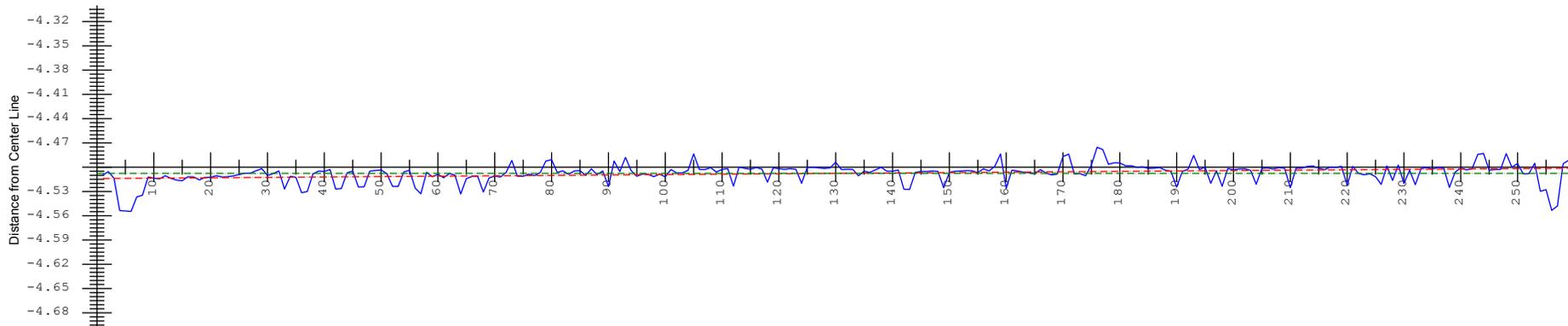
Aisle Pole Tips at Nom. Beam Height

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 = 8.933



Wall Pole Mean = -4.508 Wall Pole Min. = -4.555 Wall Pole Max. = -4.475 Reg. Line Ang. = 0.004

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 :	8.9995
Nom. Taper :	0.000	US Wall Half :	4.5005	DS Wall Half :	4.4996
		US Aisle Half :	4.5020	DS Aisle Half :	4.5005

S/N	: HXU_018
Date	: 07-JUN-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)	4.492	0.000	8.750	
US Wall Pole Tip(1)	-4.514	0.000	8.750	
US Sym. Pt.	-0.011			
US Gap				9.006
DS Aisle Pole Tip(260)	4.501	0.000	3375.750	
DS Wall Pole Tip(260)	-4.501	0.000	3375.750	
DS Sym. Pt.	0.000			
DS Gap				9.002
Taper				-0.004

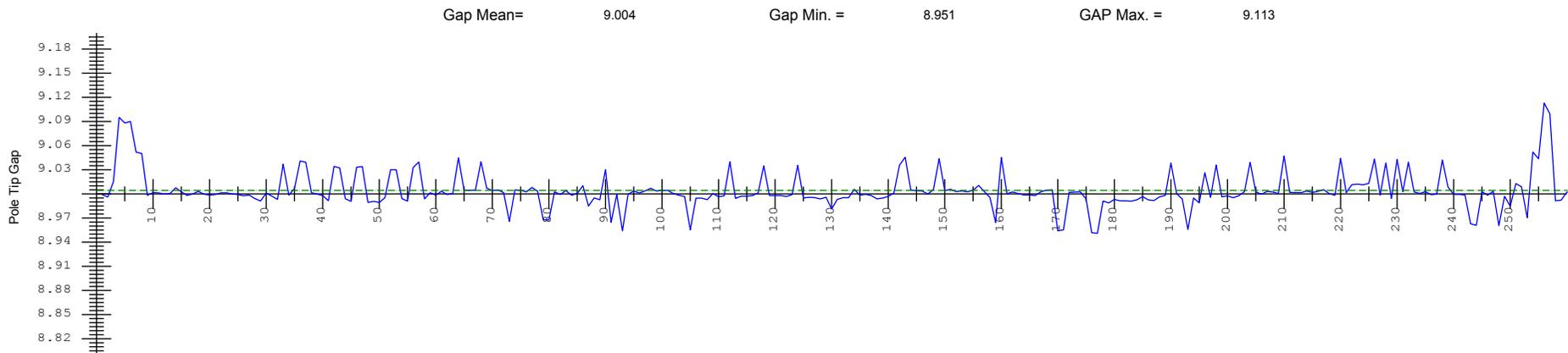
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9995
Nom. Taper :	0.000	US Wall Half :	4.5005	DS Wall Half :	4.4996
		US Aisle Half :	4.5020	DS Aisle Half :	4.5005

S/N	: HXU_018
Date	: 07-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

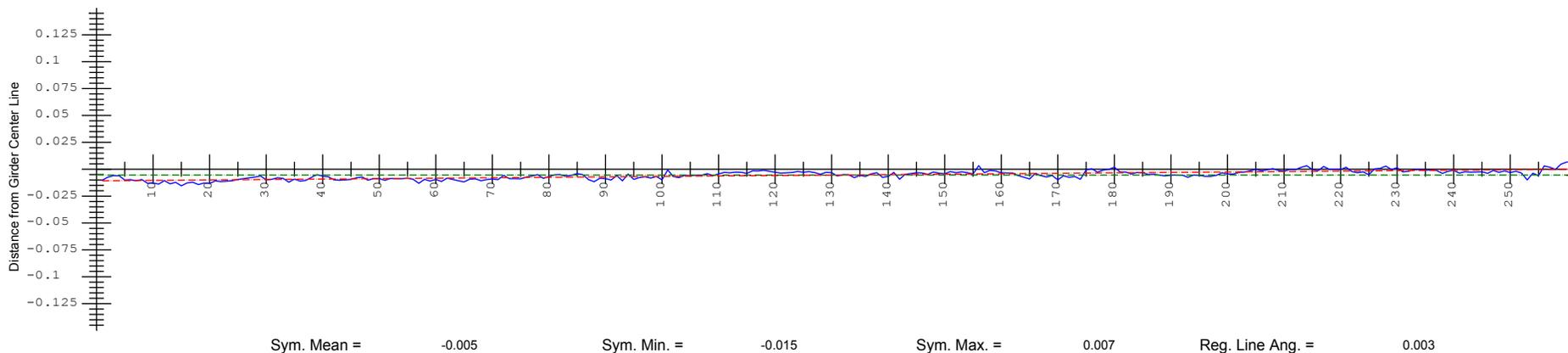


Pole Tip Gap at Nom. Beam Height

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

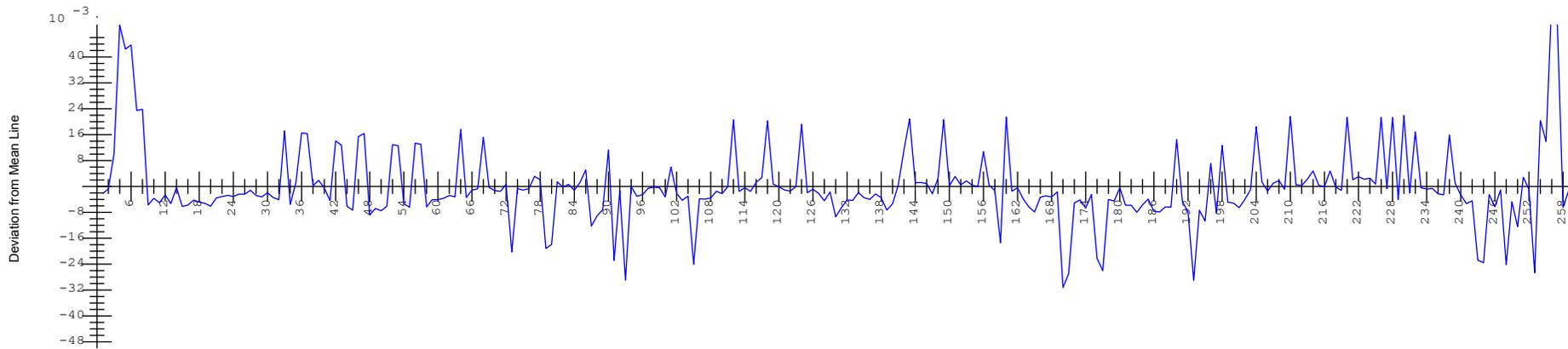
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	9.000	US Full :	8.9997	DS Full :	8.9995
Nom. Taper :	0.000	US Wall Half :	4.5005	DS Wall Half :	4.4996
		US Aisle Half :	4.5020	DS Aisle Half :	4.5005

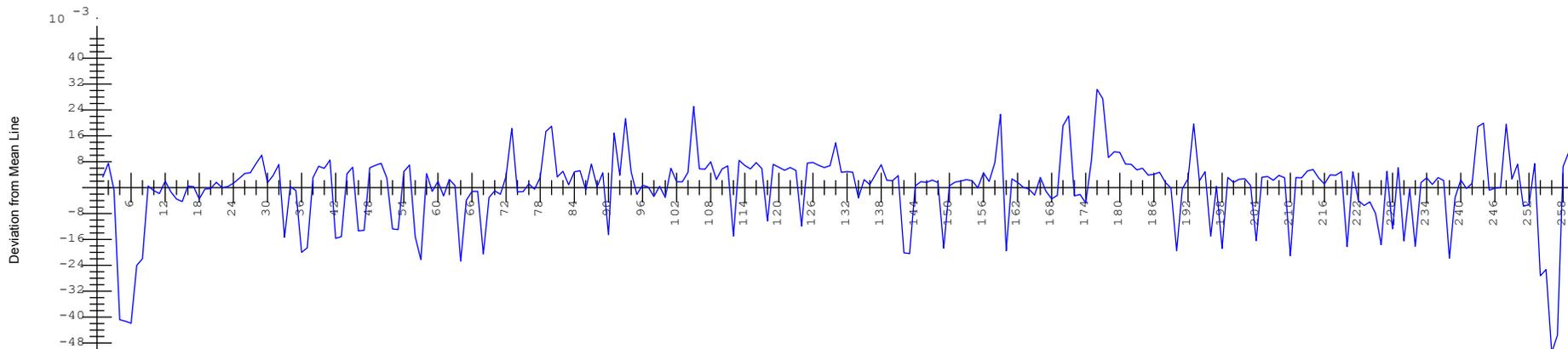
S/N	: HXU_018
Date	: 07-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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
Nom. Taper : 0.000

US Full :	8.9997	DS Full :	8.9995
US Wall Half :	4.5005	DS Wall Half :	4.4996
US Aisle Half :	4.5020	DS Aisle Half :	4.5005

S/N : HXU_018
Date : 07-JUN-2019
Data Set : 0001
Run : FINAL
Cam Pos. : B