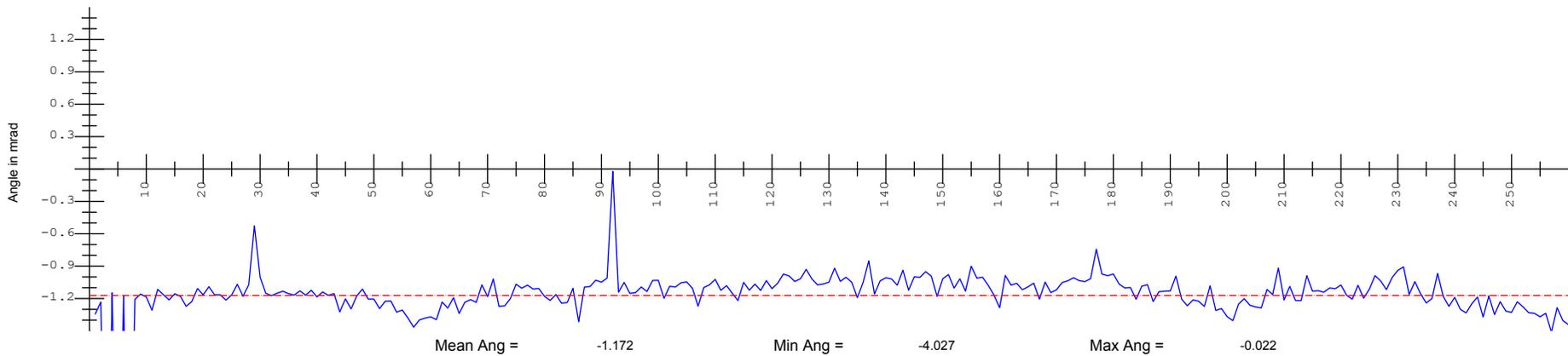


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

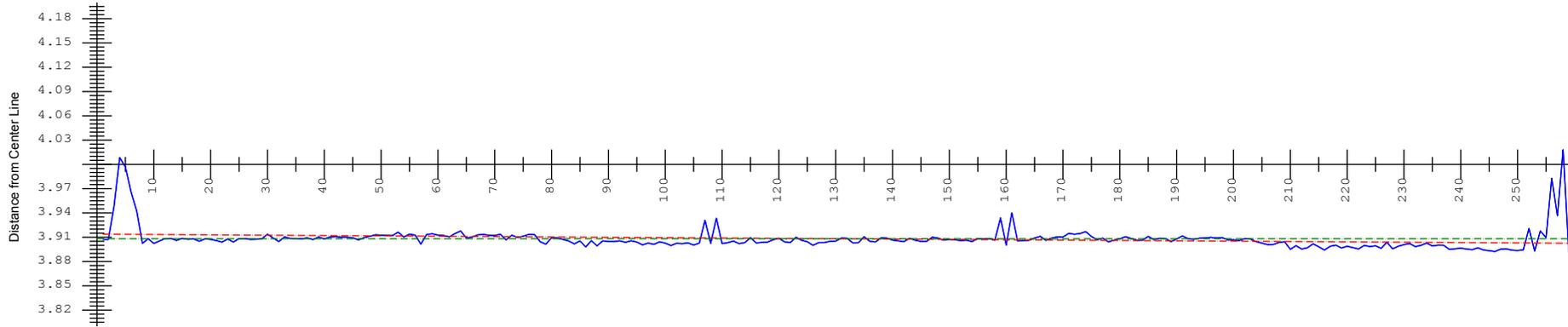


HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	7.8999
Nom. Taper :	-0.100	US Wall Half :	3.9997	DS Wall Half :	3.9514
		US Aisle Half :	4.0022	DS Aisle Half :	3.9520

S/N	: HXU_022
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Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 3.908 Aisle Pole Min. = 3.892 Aisle Pole Max. = 4.018 Reg. Line Ang. = -0.003



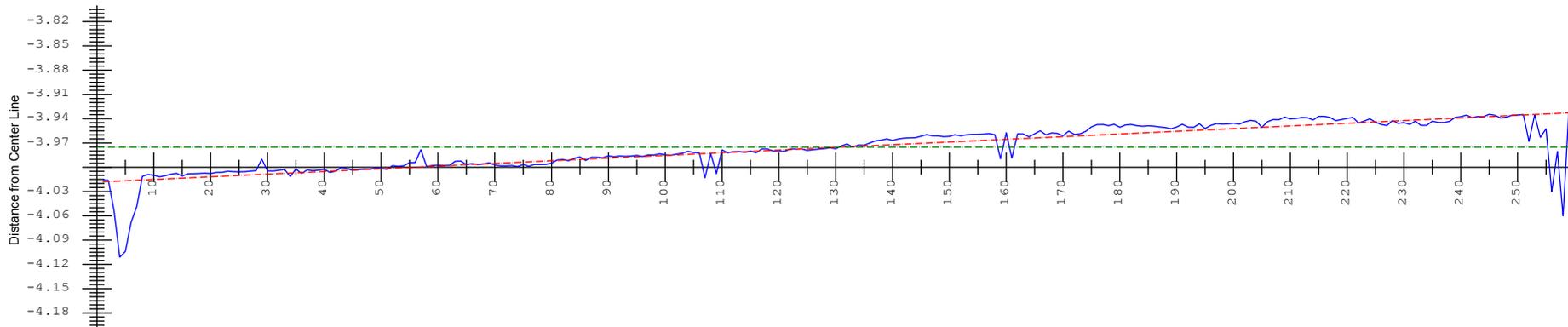
Aisle Pole Tips at Nom. Beam Height

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 = 7.784



Wall Pole Mean = -3.975 Wall Pole Min. = -4.111 Wall Pole Max. = -3.931 Reg. Line Ang. = 0.025

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	7.8999
Nom. Taper :	-0.100	US Wall Half :	3.9997	DS Wall Half :	3.9514
		US Aisle Half :	4.0022	DS Aisle Half :	3.9520

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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)	3.914	0.000	8.750	
US Wall Pole Tip(1)	-4.018	0.000	8.750	
US Sym. Pt.	-0.052			
US Gap				7.932
DS Aisle Pole Tip(260)	3.903	0.000	3375.750	
DS Wall Pole Tip(260)	-3.932	0.000	3375.750	
DS Sym. Pt.	-0.015			
DS Gap				7.835
Taper				-0.097

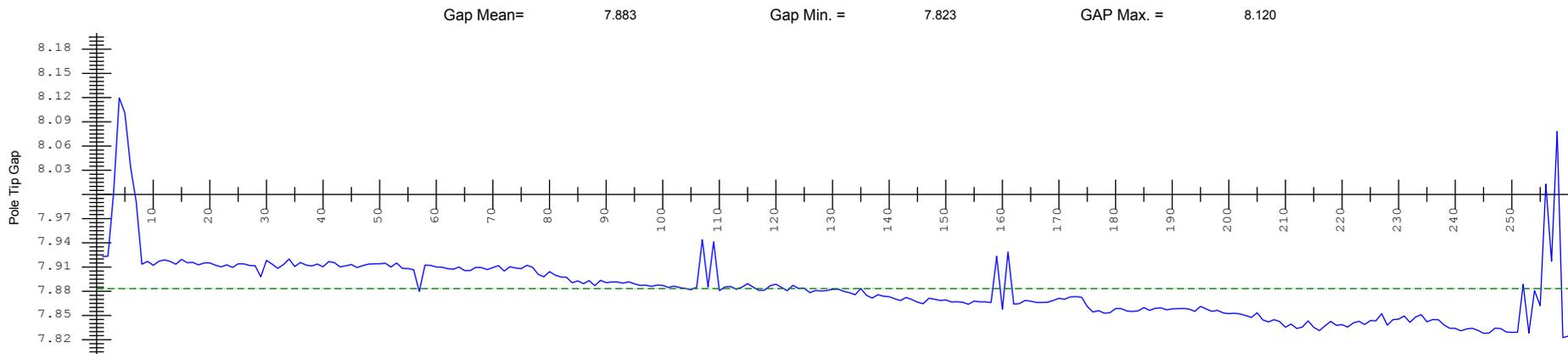
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	7.8999
Nom. Taper :	-0.100	US Wall Half :	3.9997	DS Wall Half :	3.9514
		US Aisle Half :	4.0022	DS Aisle Half :	3.9520

S/N	: HXU_022
Date	: 17-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

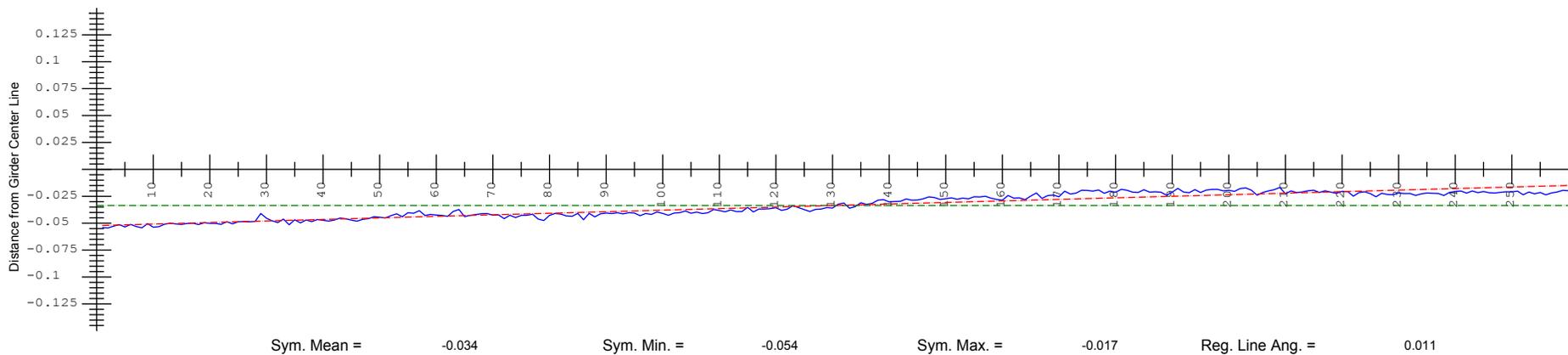


Pole Tip Gap at Nom. Beam Height

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

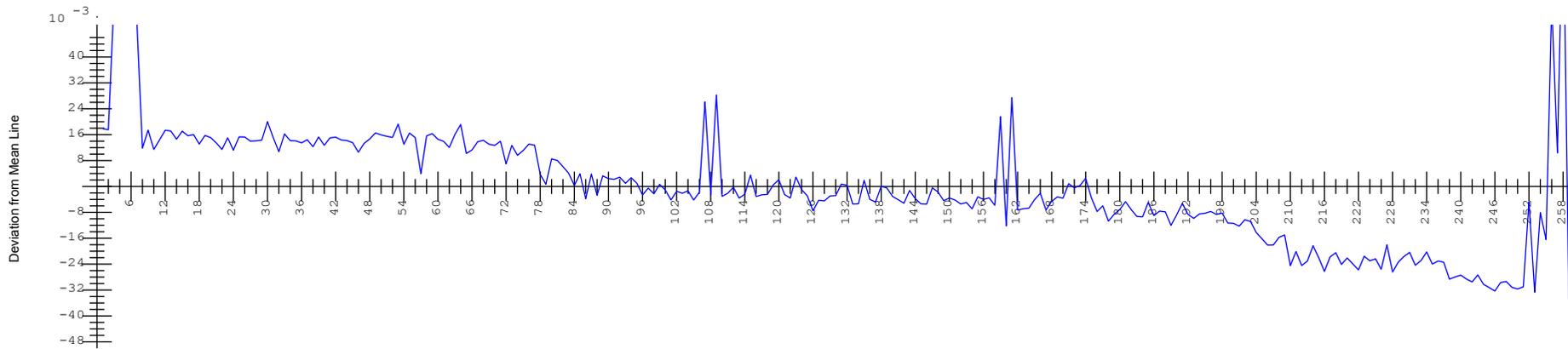
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	7.9995	DS Full :	7.8999
Nom. Taper :	-0.100	US Wall Half :	3.9997	DS Wall Half :	3.9514
		US Aisle Half :	4.0022	DS Aisle Half :	3.9520

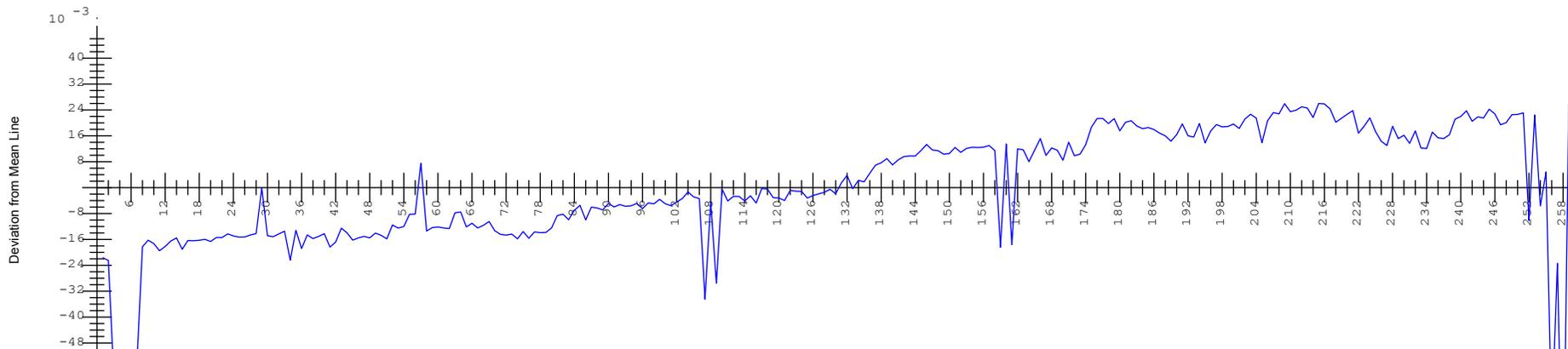
S/N	: HXU_022
Date	: 17-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	8.000	US Full :	7.9995	DS Full :	7.8999
Nom. Taper :	-0.100	US Wall Half :	3.9997	DS Wall Half :	3.9514
		US Aisle Half :	4.0022	DS Aisle Half :	3.9520

S/N	: HXU_022
Date	: 17-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B