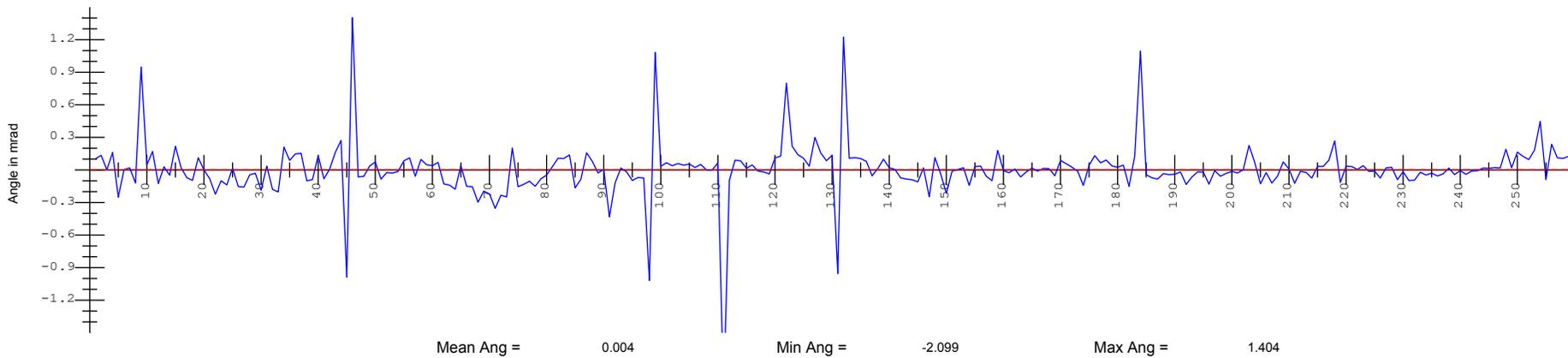


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

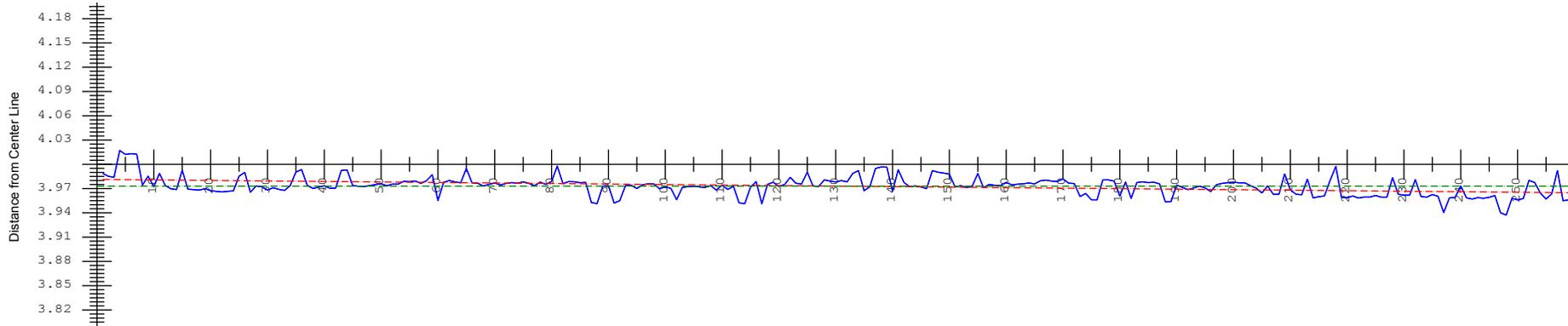


HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0029	DS Wall Half :	3.9537
		US Aisle Half :	4.0021	DS Aisle Half :	3.9552

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 3.973 Aisle Pole Min. = 3.937 Aisle Pole Max. = 4.017 Reg. Line Ang. = -0.005



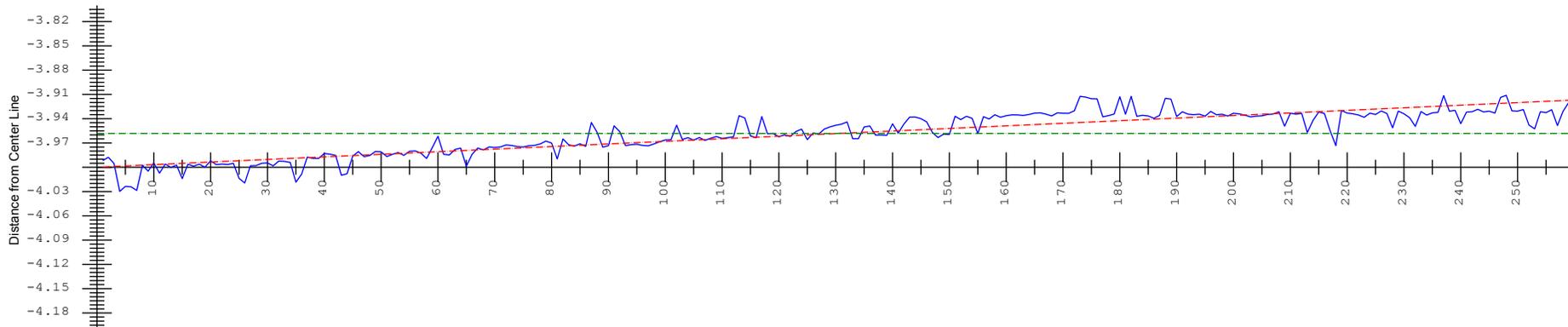
Aisle Pole Tips at Nom. Beam Height

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 = 7.822



Wall Pole Mean = -3.958 Wall Pole Min. = -4.030 Wall Pole Max. = -3.911 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 :	7.9996	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0029	DS Wall Half :	3.9537
		US Aisle Half :	4.0021	DS Aisle Half :	3.9552

S/N	: HXU_007
Date	: 07-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)	3.981	0.000	8.750	
US Wall Pole Tip(1)	-4.000	0.000	8.750	
US Sym. Pt.	-0.009			
US Gap				7.981
DS Aisle Pole Tip(260)	3.965	0.000	3375.750	
DS Wall Pole Tip(260)	-3.917	0.000	3375.750	
DS Sym. Pt.	0.024			
DS Gap				7.882
Taper				-0.099

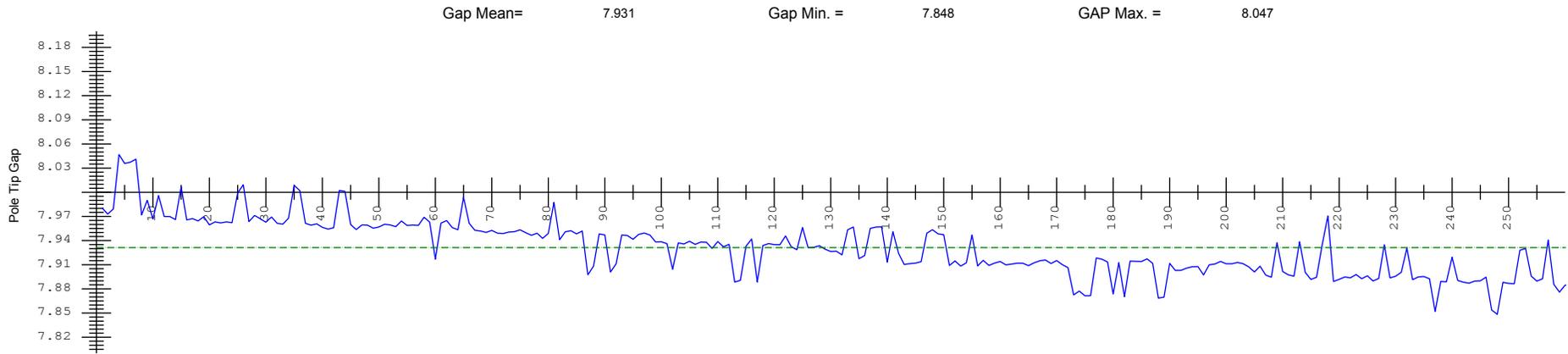
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0029	DS Wall Half :	3.9537
		US Aisle Half :	4.0021	DS Aisle Half :	3.9552

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

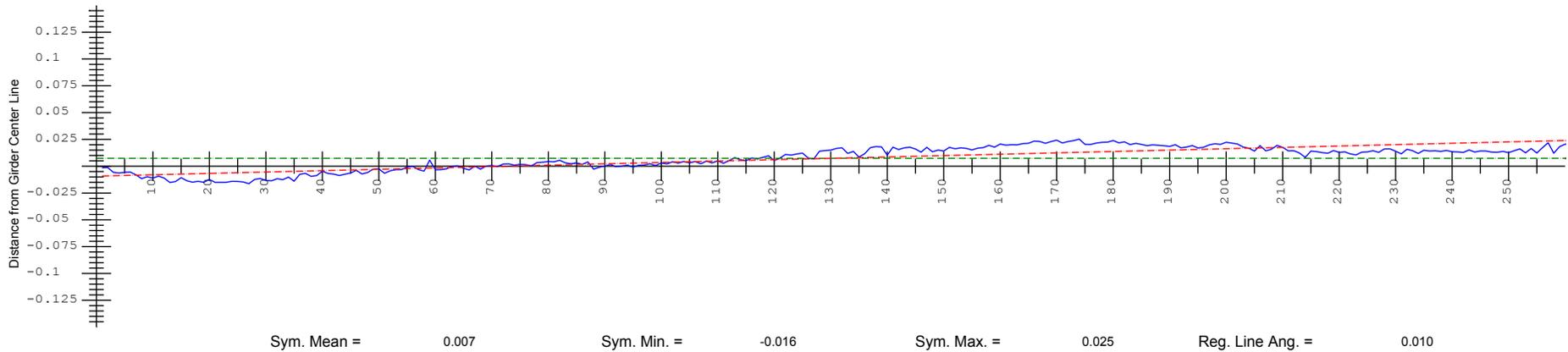


Pole Tip Gap at Nom. Beam Height

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

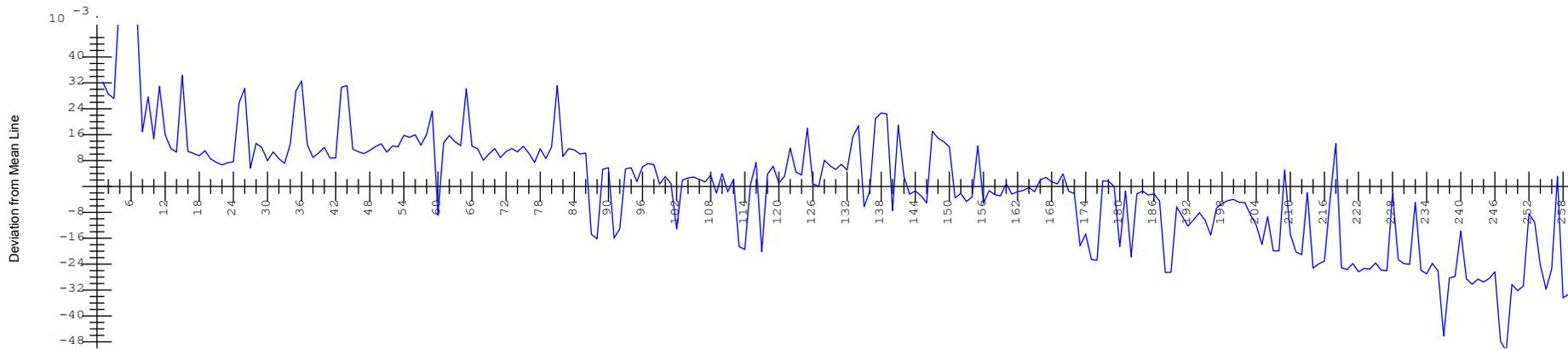
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	7.9996	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0029	DS Wall Half :	3.9537
		US Aisle Half :	4.0021	DS Aisle Half :	3.9552

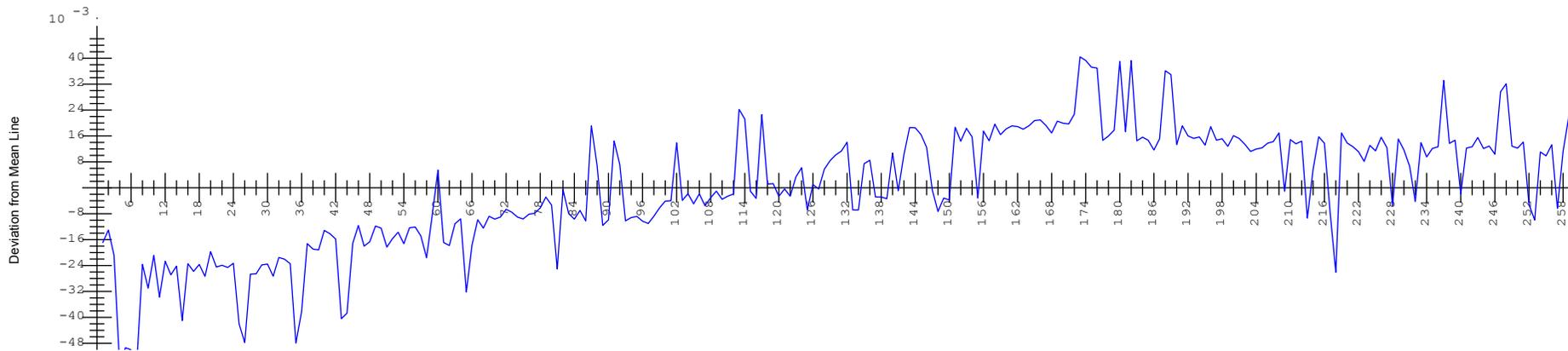
S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	8.000	US Full :	7.9996	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0029	DS Wall Half :	3.9537
		US Aisle Half :	4.0021	DS Aisle Half :	3.9552

S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B