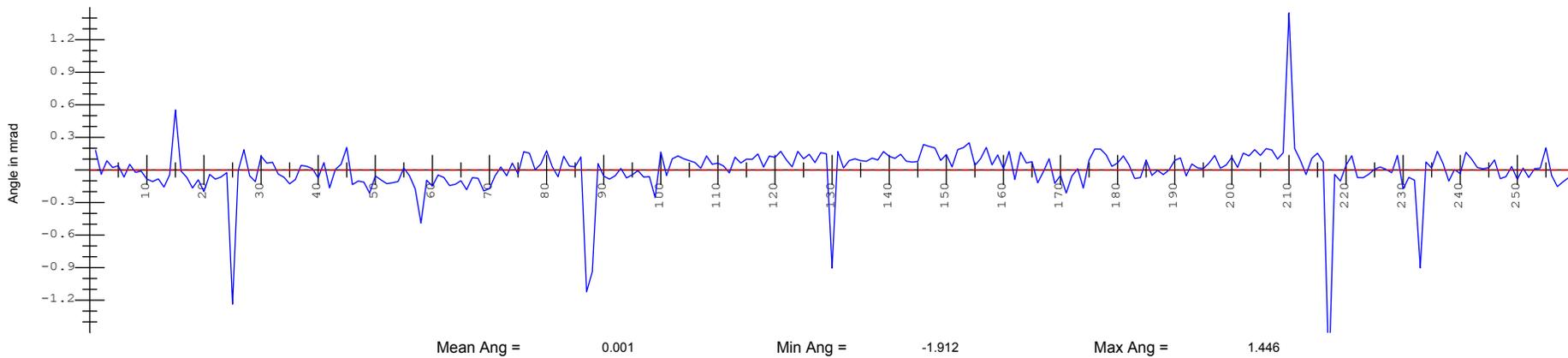


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

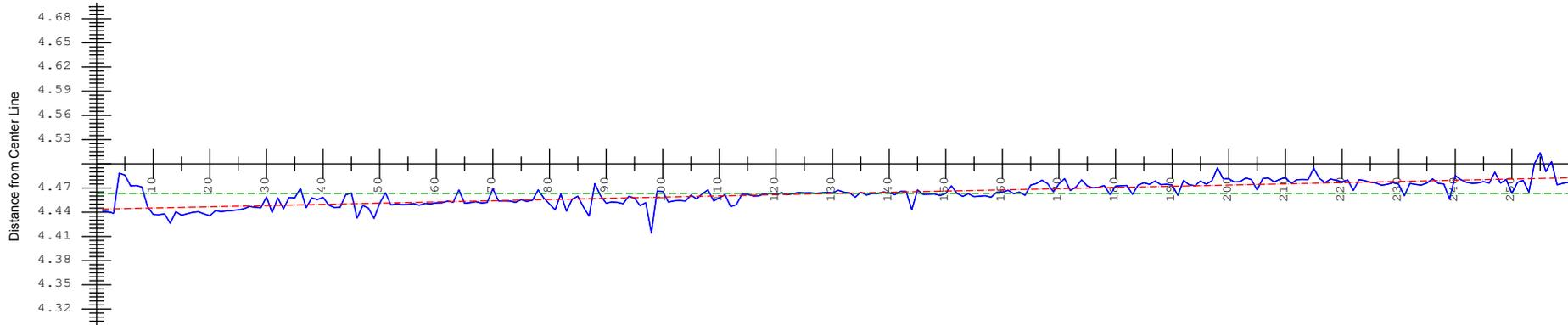


HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	8.9920	DS Full :	8.9895
Nom. Taper :	0.000	US Wall Half :	4.4994	DS Wall Half :	4.4996
		US Aisle Half :	4.4993	DS Aisle Half :	4.5001

S/N	: HXU_001
Date	: 06-MAR-2019
Data Set	: 0001
Run	: Final
Cam Pos.	: B

Aisle Pole Mean = 4.463 Aisle Pole Min. = 4.414 Aisle Pole Max. = 4.514 Reg. Line Ang. = 0.012



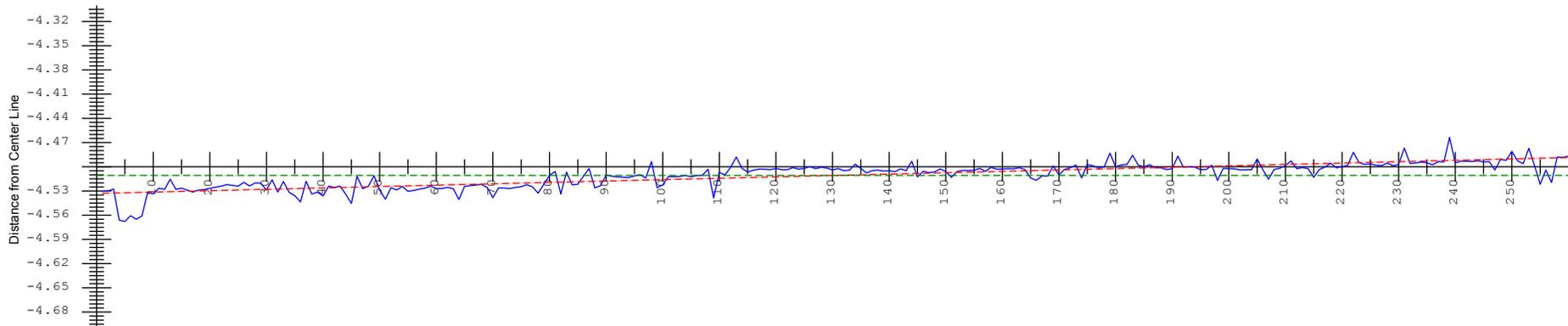
Aisle Pole Tips at Nom. Beam Height

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 = 8.829



Wall Pole Mean = -4.511 Wall Pole Min. = -4.568 Wall Pole Max. = -4.464 Reg. Line Ang. = 0.013

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 :	8.9920	DS Full :	8.9895
Nom. Taper :	0.000	US Wall Half :	4.4994	DS Wall Half :	4.4996
		US Aisle Half :	4.4993	DS Aisle Half :	4.5001

S/N	: HXU_001
Date	: 06-MAR-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)	4.444	0.000	8.750	
US Wall Pole Tip(1)	-4.533	0.000	8.750	
US Sym. Pt.	-0.045			
US Gap				8.977
DS Aisle Pole Tip(260)	4.483	0.000	3375.750	
DS Wall Pole Tip(260)	-4.489	0.000	3375.750	
DS Sym. Pt.	-0.003			
DS Gap				8.971
Taper				-0.006

Dimensions in MM

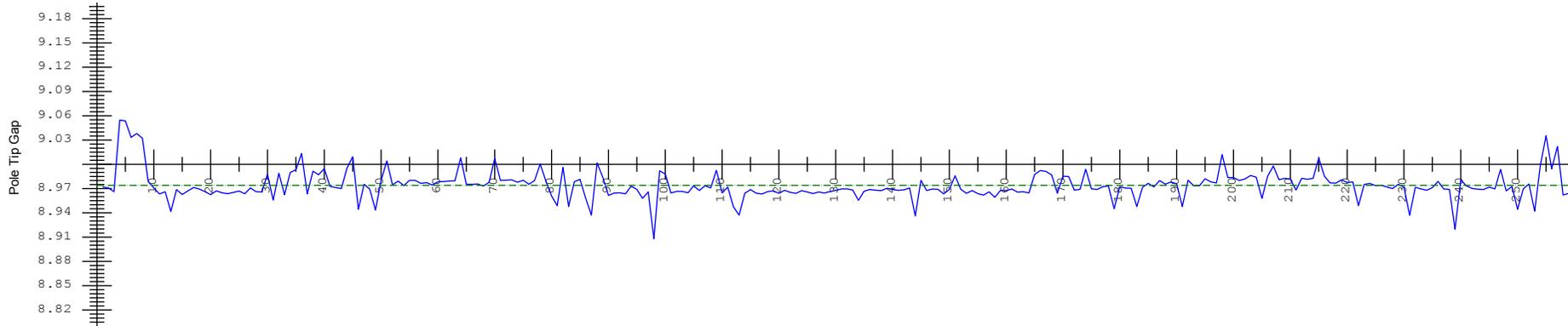


HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	8.9920	DS Full :	8.9895
Nom. Taper :	0.000	US Wall Half :	4.4994	DS Wall Half :	4.4996
		US Aisle Half :	4.4993	DS Aisle Half :	4.5001

S/N	: HXU_001
Date	: 06-MAR-2019
Data Set	: 0001
Run	: Final
Cam Pos.	: B

Gap Mean= 8.974 Gap Min. = 8.908 GAP Max. = 9.055

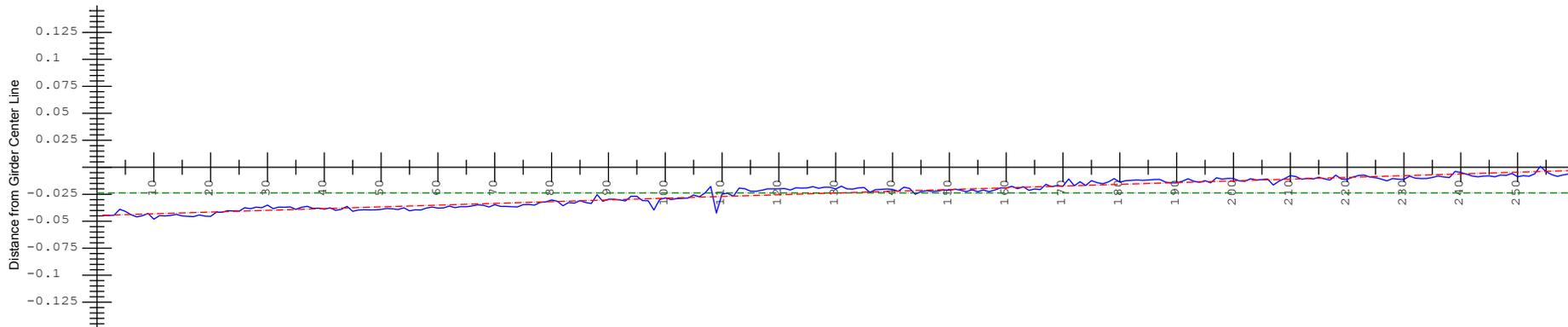


Pole Tip Gap at Nom. Beam Height

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

Pole Tip Num. ----->

Pole Tip Symmetry Point at Nom. Beam Height



Sym. Mean = -0.024 Sym. Min. = -0.048 Sym. Max. = 0.001 Reg. Line Ang. = 0.012

Girder centerline in reference to Pointed Magnets

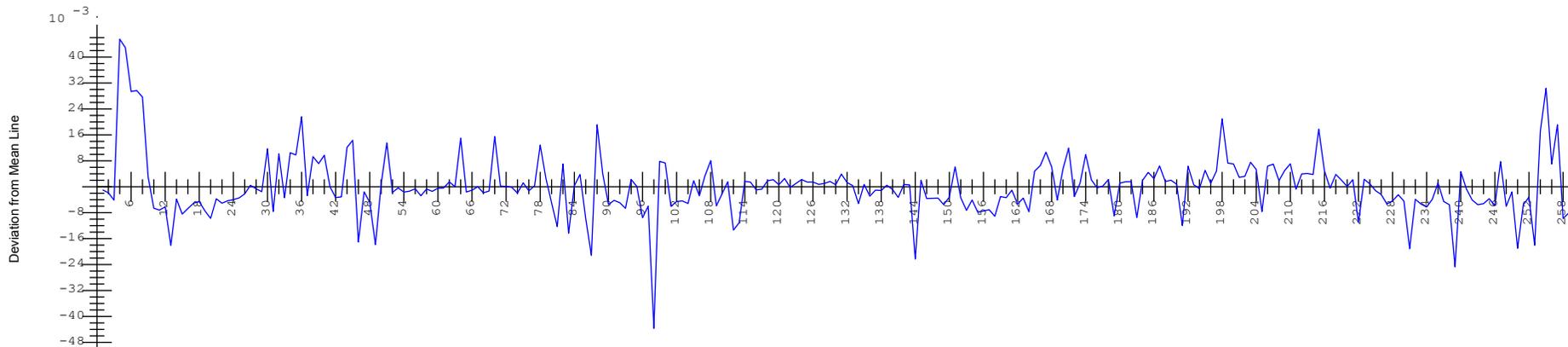
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	9.000	US Full :	8.9920	DS Full :	8.9895
Nom. Taper :	0.000	US Wall Half :	4.4994	DS Wall Half :	4.4996
		US Aisle Half :	4.4993	DS Aisle Half :	4.5001

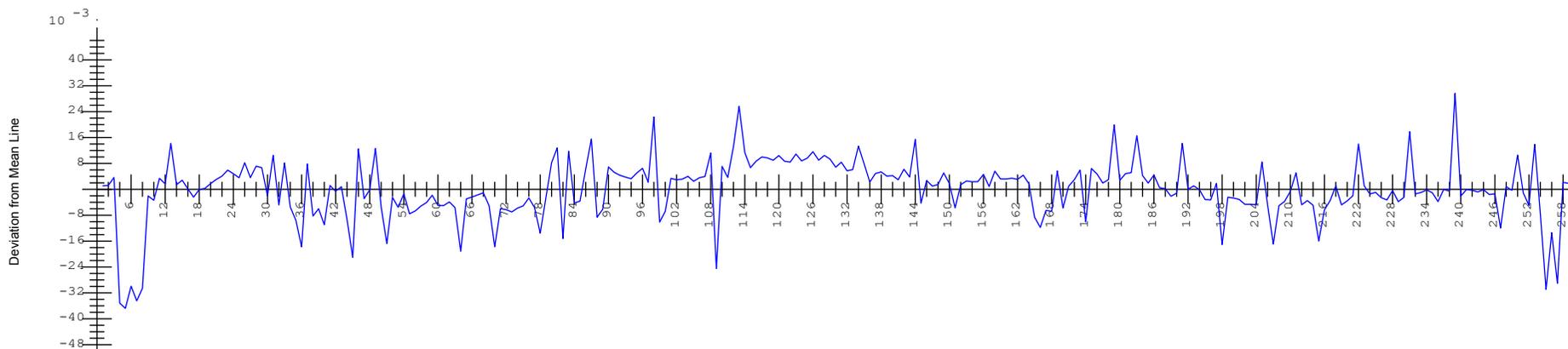
S/N	: HXU_001
Date	: 06-MAR-2019
Data Set	: 0001
Run	: Final
Cam Pos.	: B



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 :	8.9920	DS Full :	8.9895
Nom. Taper :	0.000	US Wall Half :	4.4994	DS Wall Half :	4.4996
		US Aisle Half :	4.4993	DS Aisle Half :	4.5001

S/N	: HXU_001
Date	: 06-MAR-2019
Data Set	: 0001
Run	: Final
Cam Pos.	: B