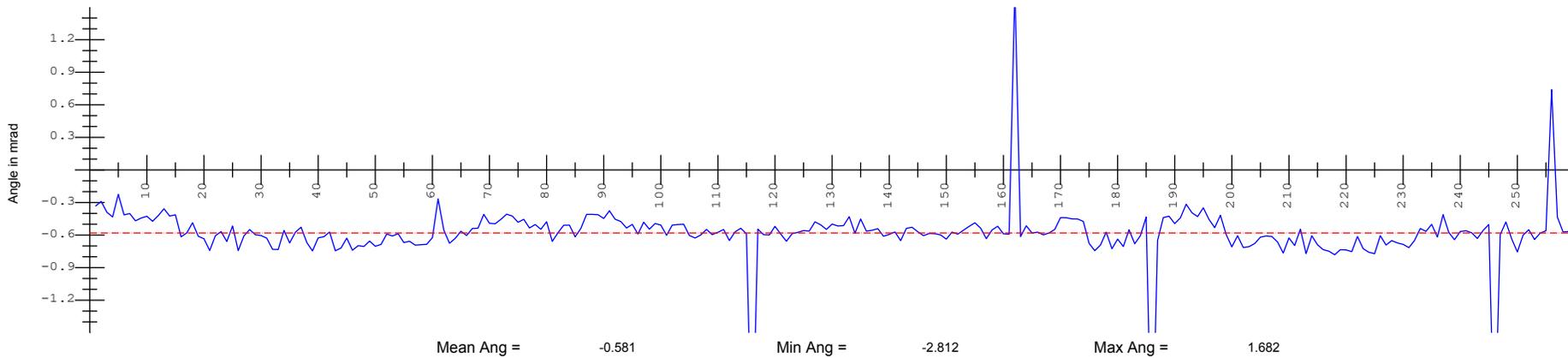


Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

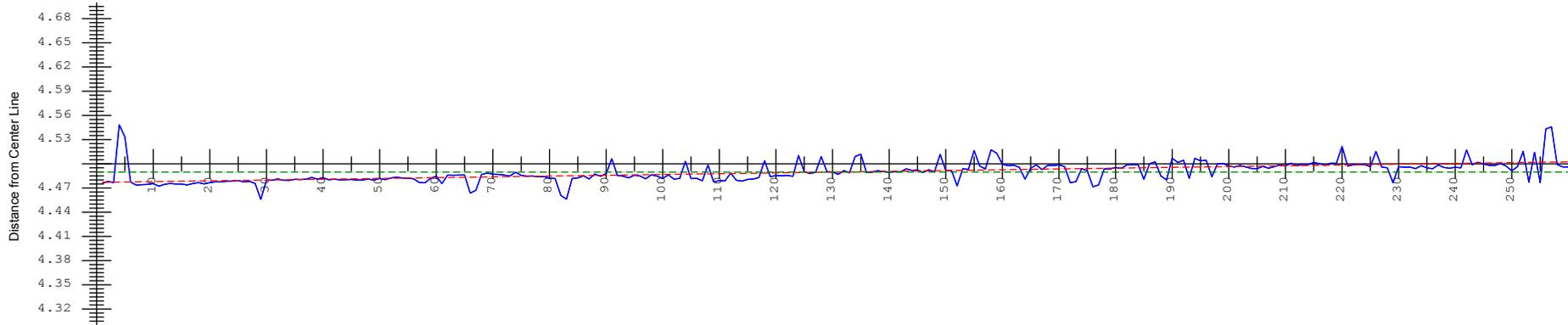


HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	9.0001	DS Full :	9.0001
Nom. Taper :	0.000	US Wall Half :	4.4998	DS Wall Half :	4.4974
		US Aisle Half :	4.4997	DS Aisle Half :	4.4983

S/N	: HXU_002
Date	: 25-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 4.490 Aisle Pole Min. = 4.456 Aisle Pole Max. = 4.548 Reg. Line Ang. = 0.008



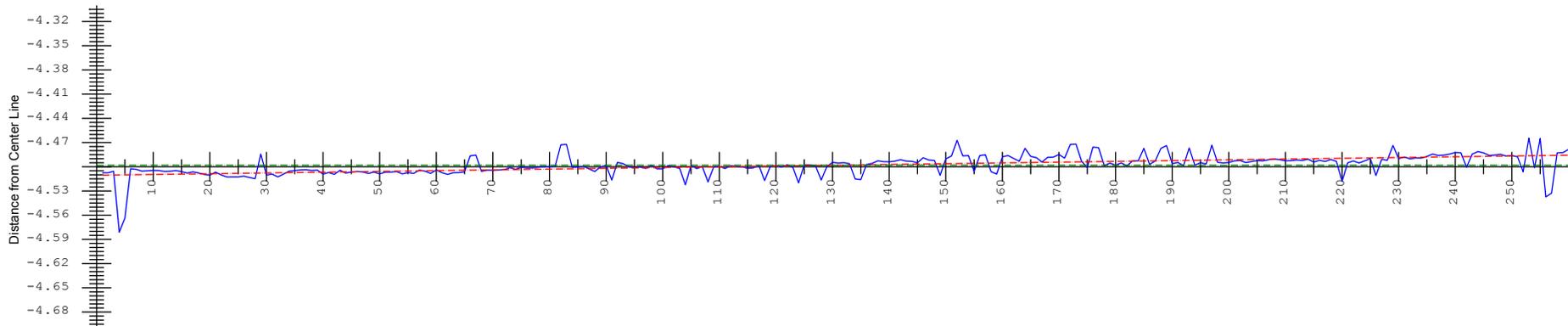
Aisle Pole Tips at Nom. Beam Height

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 = 8.912



Wall Pole Mean = -4.498 Wall Pole Min. = -4.581 Wall Pole Max. = -4.465 Reg. Line Ang. = 0.007

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 :	9.0001	DS Full :	9.0001
Nom. Taper :	0.000	US Wall Half :	4.4998	DS Wall Half :	4.4974
		US Aisle Half :	4.4997	DS Aisle Half :	4.4983

S/N	: HXU_002
Date	: 25-APR-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)	4.477	0.000	8.750	
US Wall Pole Tip(1)	-4.510	0.000	8.750	
US Sym. Pt.	-0.017			
US Gap				8.987
DS Aisle Pole Tip(260)	4.502	0.000	3375.750	
DS Wall Pole Tip(260)	-4.486	0.000	3375.750	
DS Sym. Pt.	0.008			
DS Gap				8.988
Taper				0.001

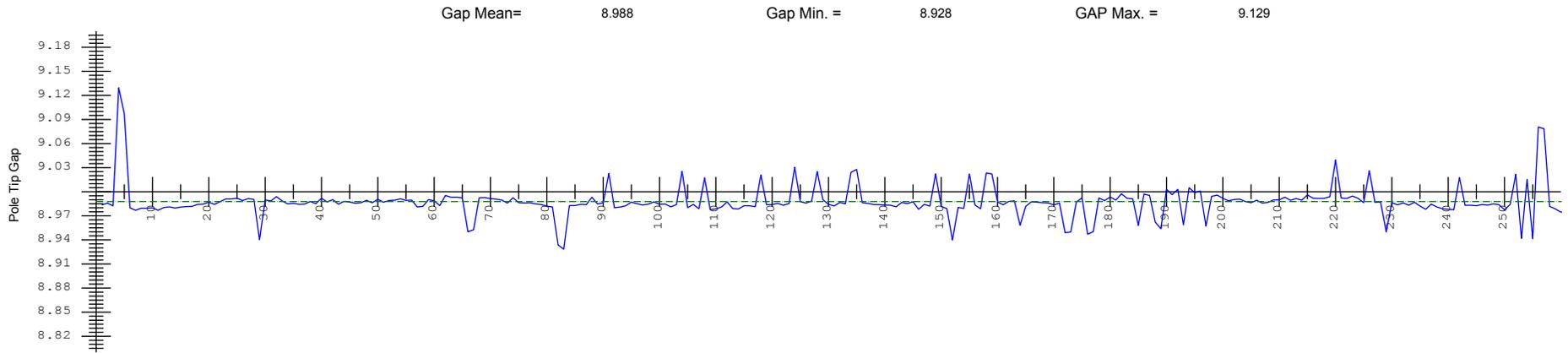
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	9.000	US Full :	9.0001	DS Full :	9.0001
Nom. Taper :	0.000	US Wall Half :	4.4998	DS Wall Half :	4.4974
		US Aisle Half :	4.4997	DS Aisle Half :	4.4983

S/N	: HXU_002
Date	: 25-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

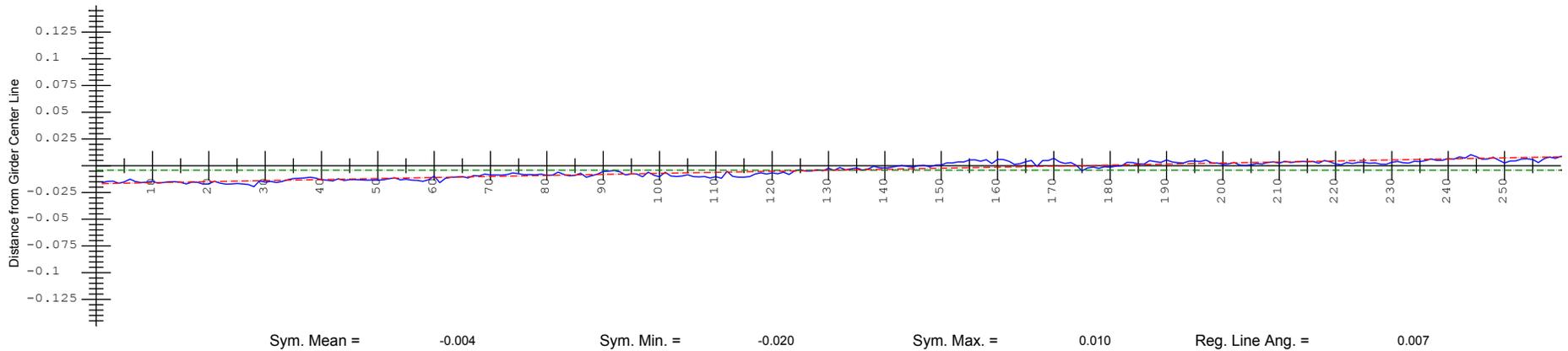


Pole Tip Gap at Nom. Beam Height

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

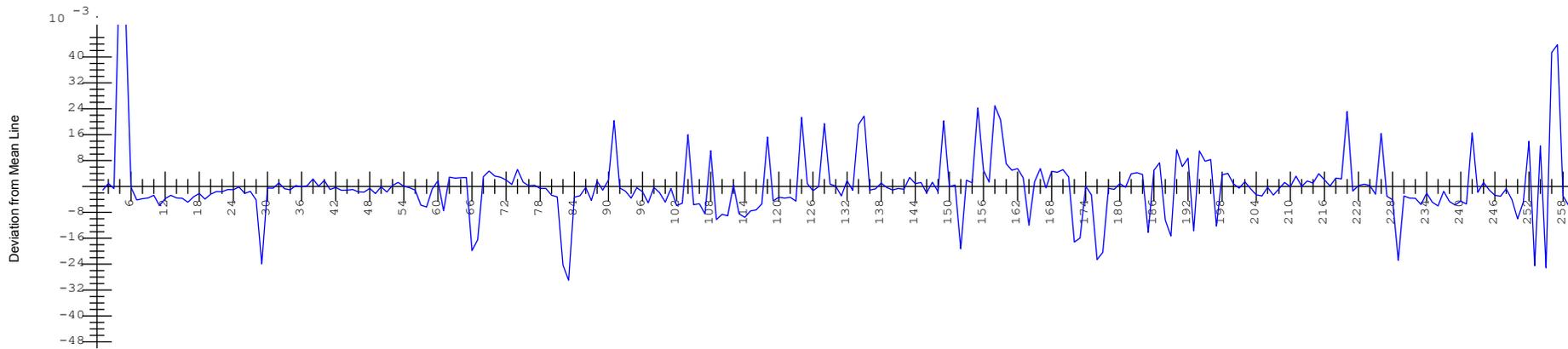
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	9.000	US Full :	9.0001	DS Full :	9.0001
Nom. Taper :	0.000	US Wall Half :	4.4998	DS Wall Half :	4.4974
		US Aisle Half :	4.4997	DS Aisle Half :	4.4983

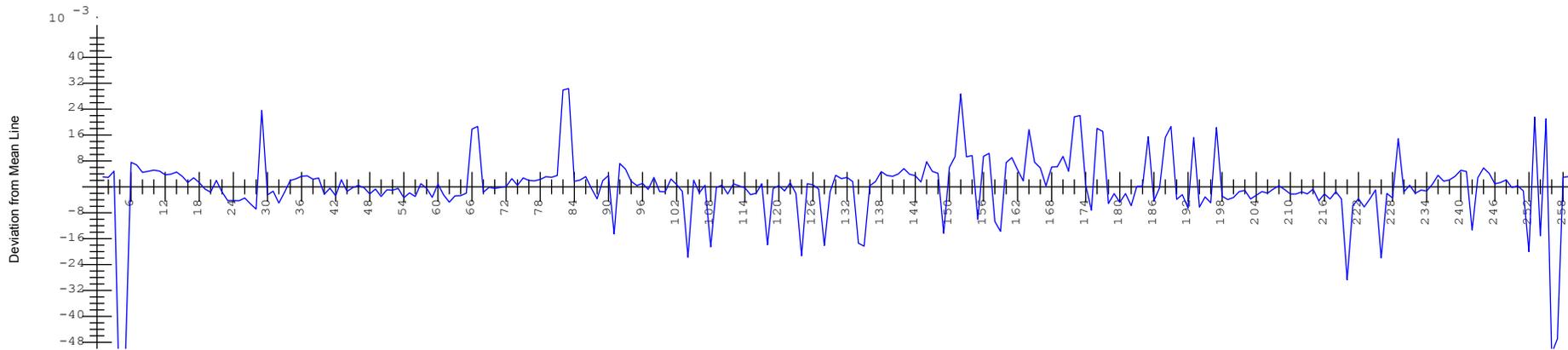
S/N	: HXU_002
Date	: 25-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	9.0001	DS Full :	9.0001
Nom. Taper :	0.000	US Wall Half :	4.4998	DS Wall Half :	4.4974
		US Aisle Half :	4.4997	DS Aisle Half :	4.4983

S/N	: HXU_002
Date	: 25-APR-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B