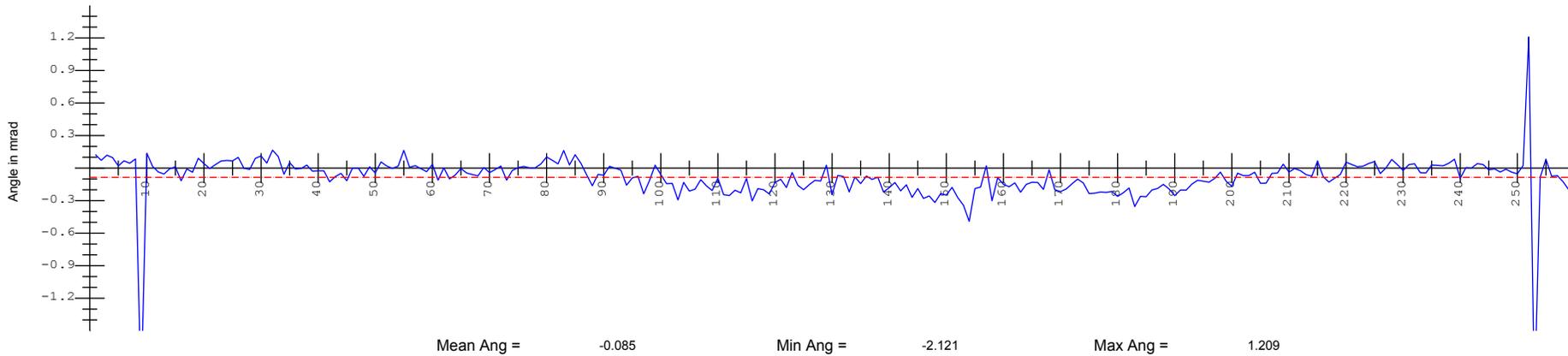




Included Angle Between Pole Tips

Pole Tip Num. ----->

Angle of Symmetry Line between Pole Tips to Grider ZX Plane



Dimensions in MM, Angles in Milliradians

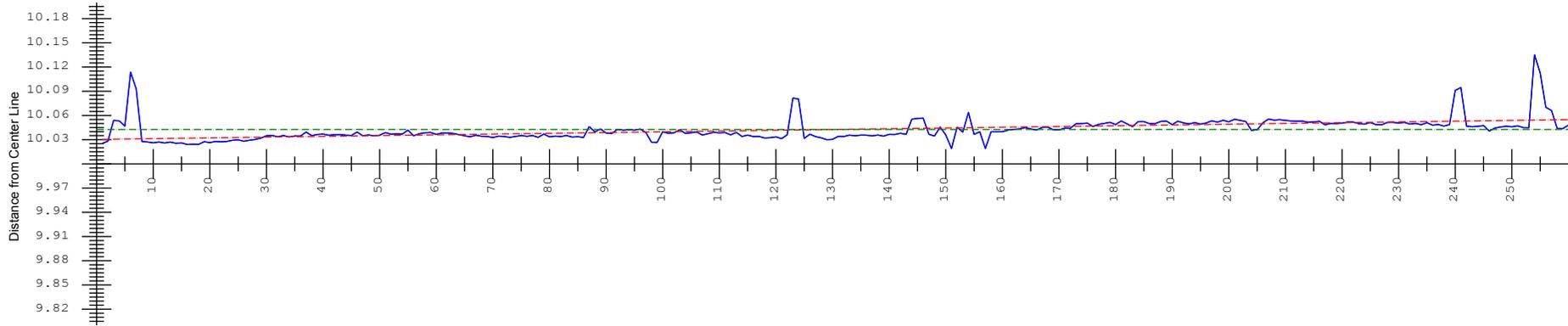


HGVPU - Pole Tip Angles

Nominal Gap :	20.000	US Full :	-113.5440	DS Full :	-362.6015
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9941
		US Aisle Half :	9.9950	DS Aisle Half :	9.9931

S/N	: HXU_003
Date	: 09-MAY-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 10.043 Aisle Pole Min. = 10.019 Aisle Pole Max. = 10.135 Reg. Line Ang. = 0.007



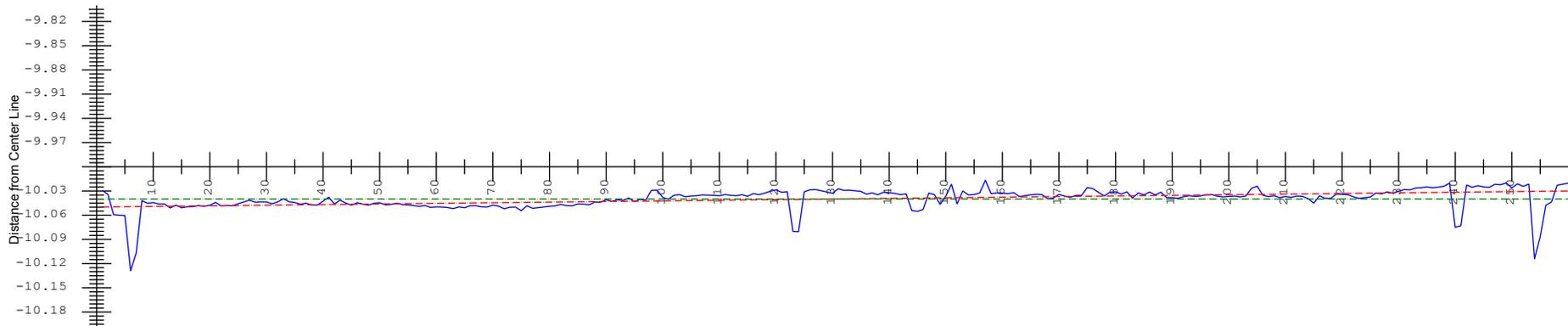
Aisle Pole Tips at Nom. Beam Height

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 = 20.033



Wall Pole Mean = -10.040 Wall Pole Min. = -10.129 Wall Pole Max. = -10.017 Reg. Line Ang. = 0.006

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	20.000	US Full :	-113.5440	DS Full :	-362.6015
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9941
		US Aisle Half :	9.9950	DS Aisle Half :	9.9931

S/N	: HXU_003
Date	: 09-MAY-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)	10.030	0.000	8.750	
US Wall Pole Tip(1)	-10.050	0.000	8.750	
US Sym. Pt.	-0.010			
US Gap				20.080
DS Aisle Pole Tip(260)	10.055	0.000	3375.750	
DS Wall Pole Tip(260)	-10.030	0.000	3375.750	
DS Sym. Pt.	0.012			
DS Gap				20.085
Taper				0.005

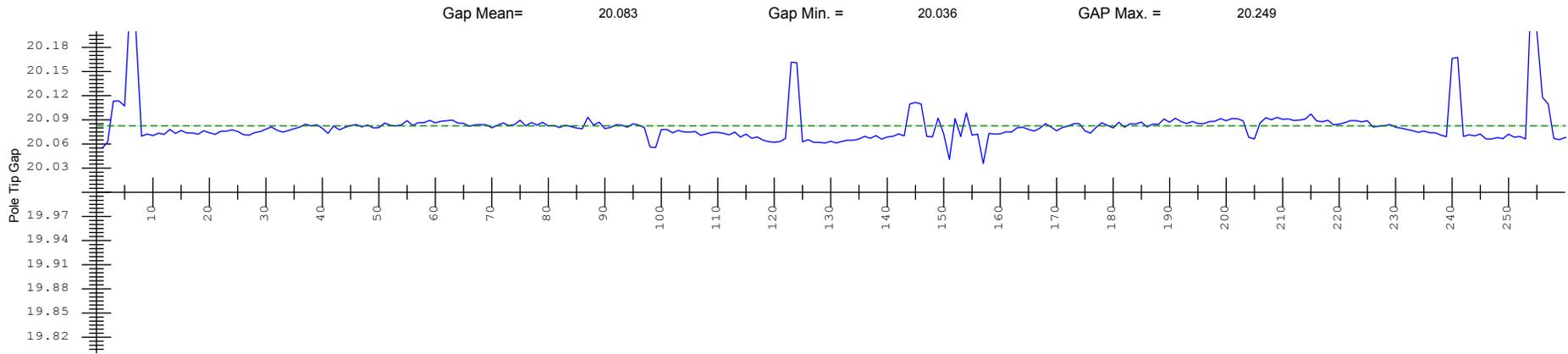
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	20.000	US Full :	-113.5440	DS Full :	-362.6015
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9941
		US Aisle Half :	9.9950	DS Aisle Half :	9.9931

S/N	: HXU_003
Date	: 09-MAY-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

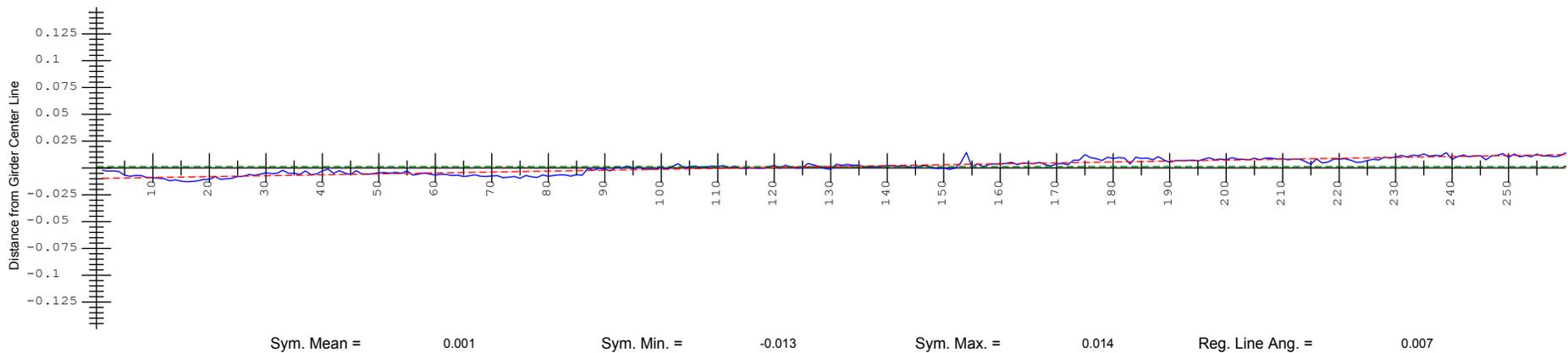


Pole Tip Gap at Nom. Beam Height

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

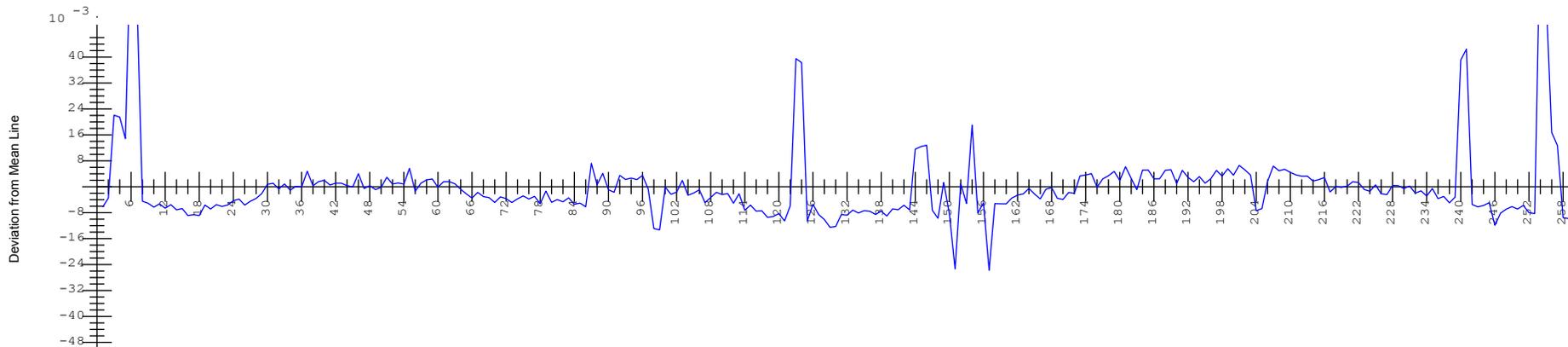
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	20.000	US Full :	-113.5440	DS Full :	-362.6015
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9941
		US Aisle Half :	9.9950	DS Aisle Half :	9.9931

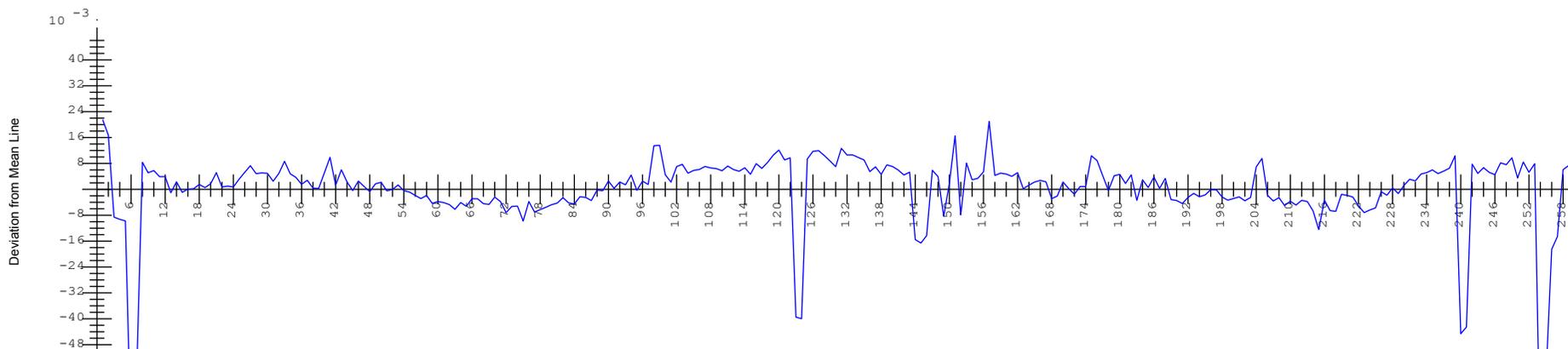
S/N	: HXU_003
Date	: 09-MAY-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	20.000	US Full :	-113.5440	DS Full :	-362.6015
Nom. Taper :	0.000	US Wall Half :	9.9940	DS Wall Half :	9.9941
		US Aisle Half :	9.9950	DS Aisle Half :	9.9931

S/N	: HXU_003
Date	: 09-MAY-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B