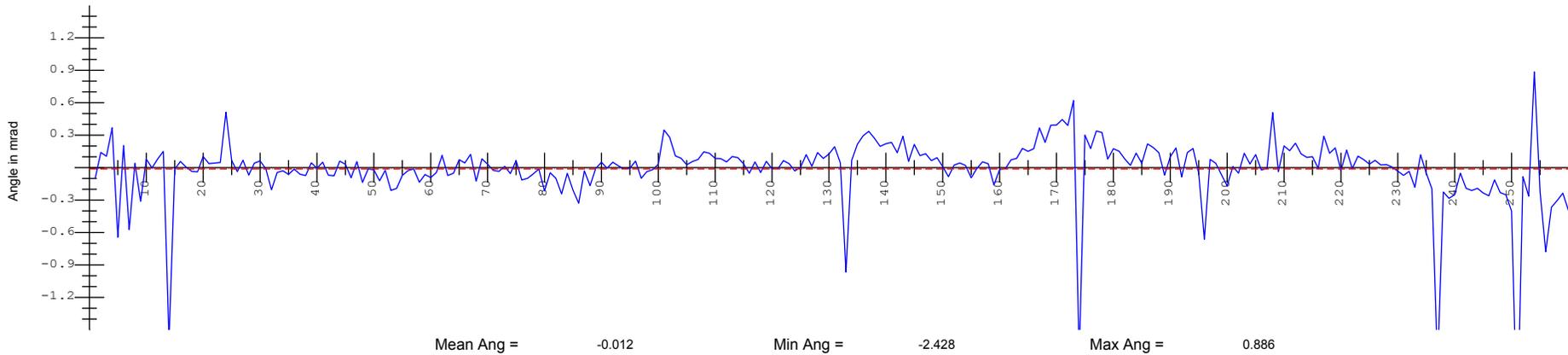


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

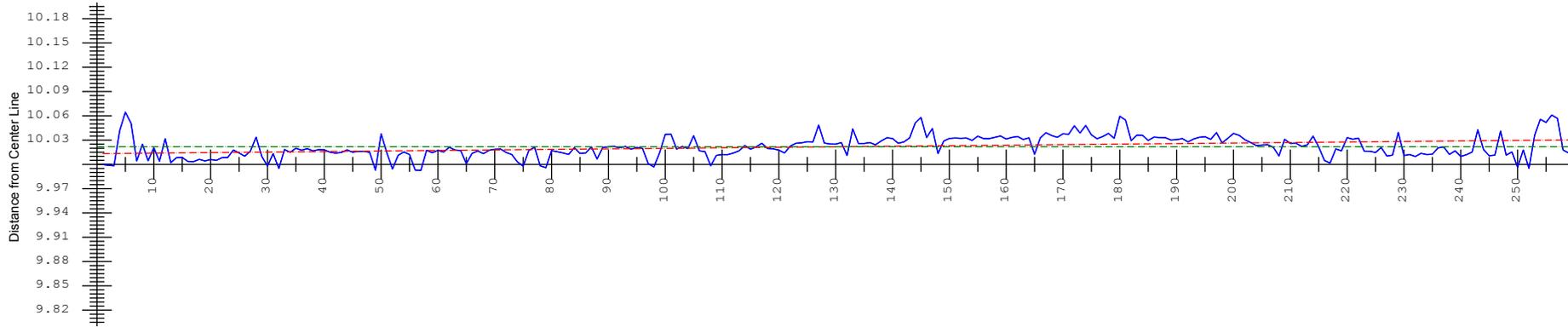


HGVPU - Pole Tip Angles

Nominal Gap :	20.000	US Full :	19.9998	DS Full :	19.9995
Nom. Taper :	0.000	US Wall Half :	9.9935	DS Wall Half :	9.9939
		US Aisle Half :	9.9943	DS Aisle Half :	9.9939

S/N	: HXU_005
Date	: 25-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 10.022 Aisle Pole Min. = 9.993 Aisle Pole Max. = 10.065 Reg. Line Ang. = 0.005



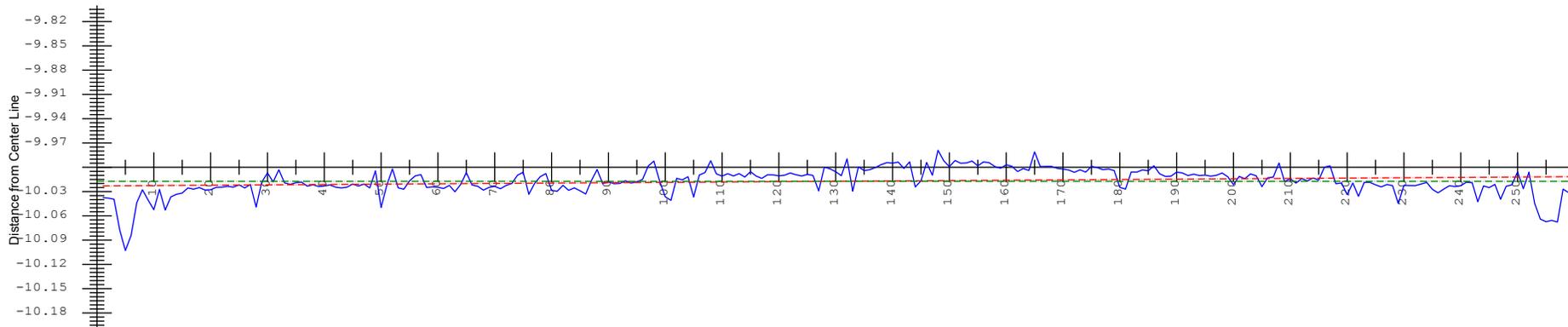
Aisle Pole Tips at Nom. Beam Height

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 = 19.958



Wall Pole Mean = -10.017 Wall Pole Min. = -10.103 Wall Pole Max. = -9.979 Reg. Line Ang. = 0.003

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 :	19.9998	DS Full :	19.9995
Nom. Taper :	0.000	US Wall Half :	9.9935	DS Wall Half :	9.9939
		US Aisle Half :	9.9943	DS Aisle Half :	9.9939

S/N	: HXU_005
Date	: 25-JUN-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)	10.013	0.000	8.750	
US Wall Pole Tip(1)	-10.023	0.000	8.750	
US Sym. Pt.	-0.005			
US Gap				20.036
DS Aisle Pole Tip(260)	10.030	0.000	3375.750	
DS Wall Pole Tip(260)	-10.012	0.000	3375.750	
DS Sym. Pt.	0.009			
DS Gap				20.042
Taper				0.006

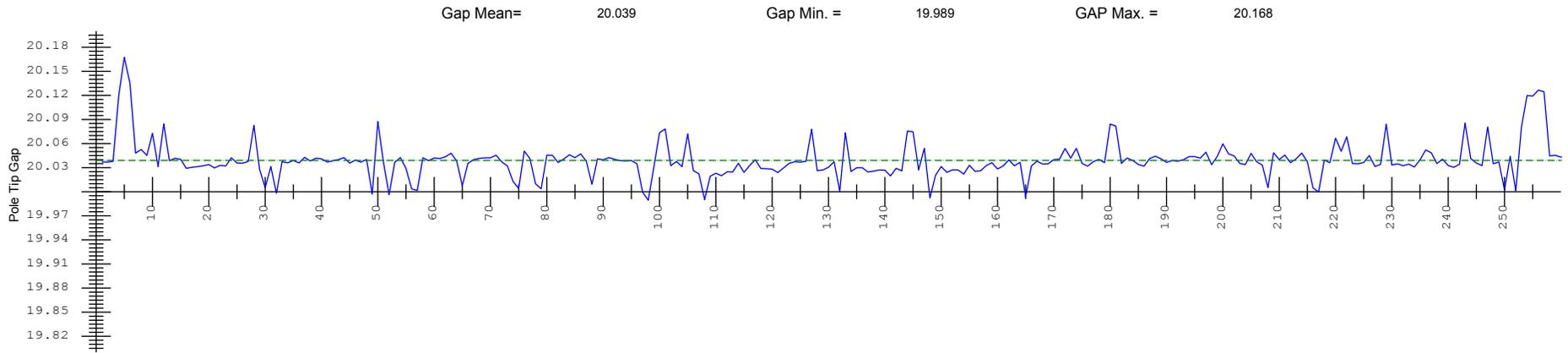
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	20.000	US Full :	19.9998	DS Full :	19.9995
Nom. Taper :	0.000	US Wall Half :	9.9935	DS Wall Half :	9.9939
		US Aisle Half :	9.9943	DS Aisle Half :	9.9939

S/N	: HXU_005
Date	: 25-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

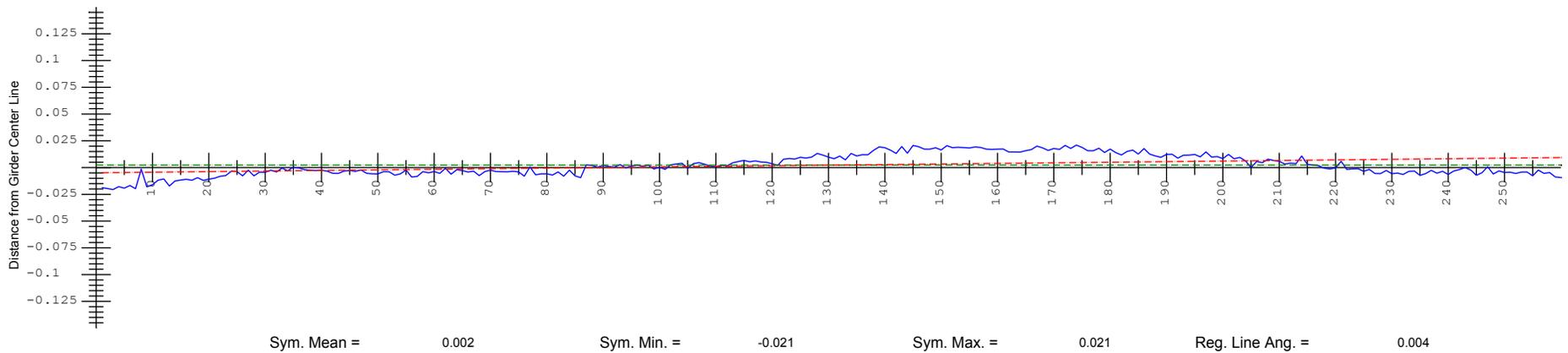


Pole Tip Gap at Nom. Beam Height

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

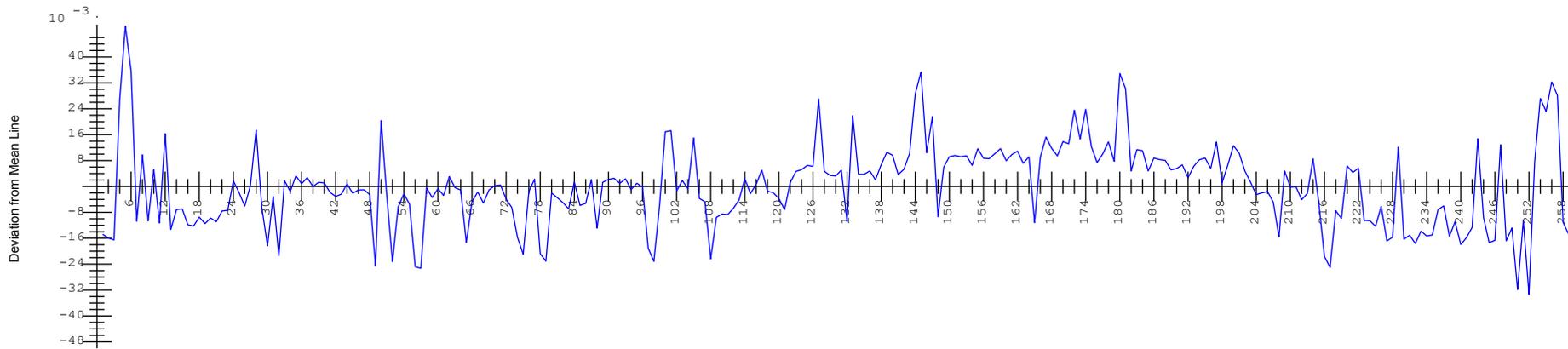
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	20.000	US Full :	19.9998	DS Full :	19.9995
Nom. Taper :	0.000	US Wall Half :	9.9935	DS Wall Half :	9.9939
		US Aisle Half :	9.9943	DS Aisle Half :	9.9939

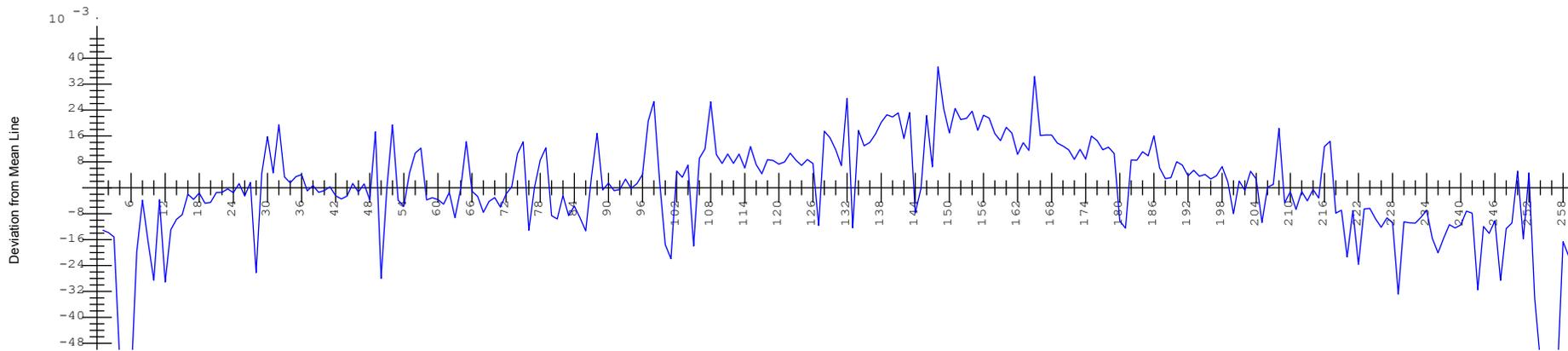
S/N	: HXU_005
Date	: 25-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	20.000	US Full :	19.9998	DS Full :	19.9995
Nom. Taper :	0.000	US Wall Half :	9.9935	DS Wall Half :	9.9939
		US Aisle Half :	9.9943	DS Aisle Half :	9.9939

S/N	: HXU_005
Date	: 25-JUN-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B