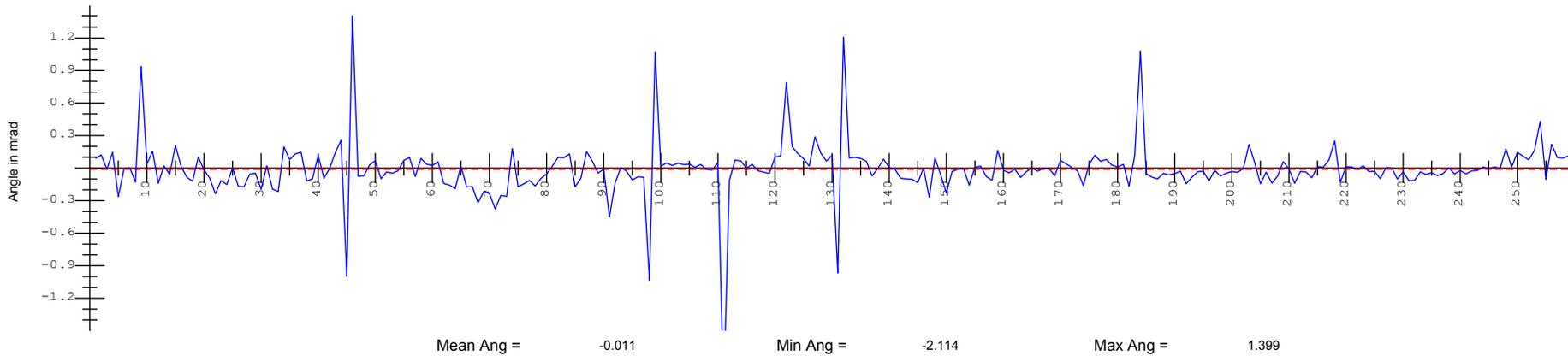


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

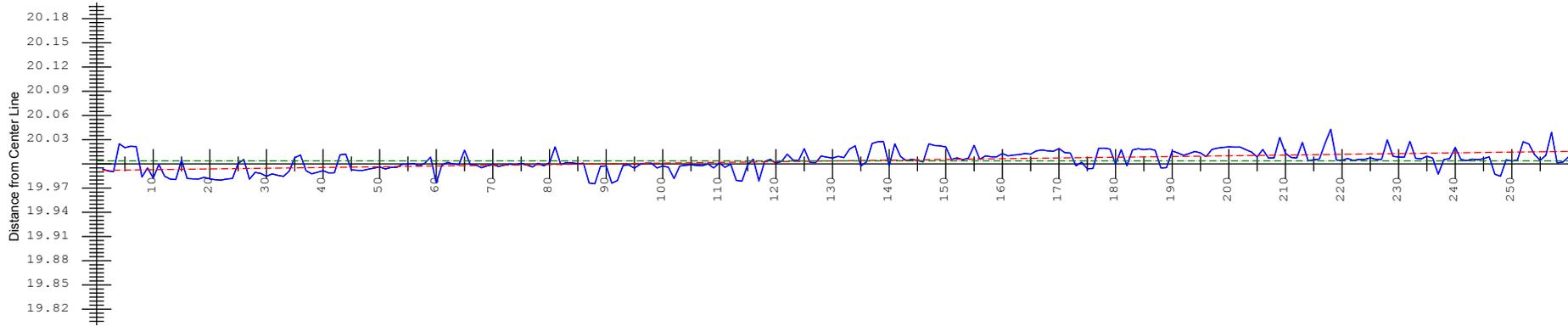


HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9914	DS Wall Half :	19.9940
		US Aisle Half :	19.9943	DS Aisle Half :	19.9940

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

Aisle Pole Mean = 20.004 Aisle Pole Min. = 19.975 Aisle Pole Max. = 20.043 Reg. Line Ang. = 0.007



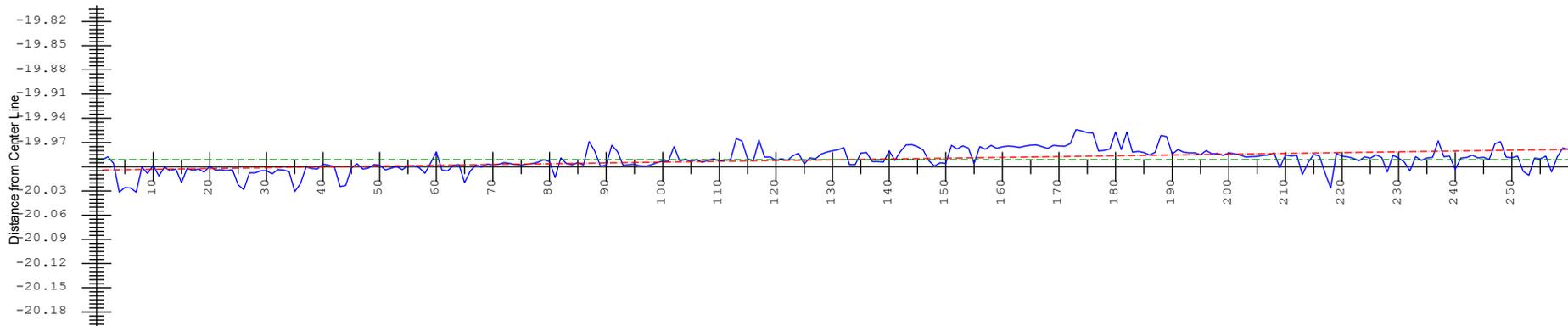
Aisle Pole Tips at Nom. Beam Height

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 = 39.908



Wall Pole Mean = -19.991 Wall Pole Min. = -20.032 Wall Pole Max. = -19.954 Reg. Line Ang. = 0.008

Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9914	DS Wall Half :	19.9940
		US Aisle Half :	19.9943	DS Aisle Half :	19.9940

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)	19.992	0.000	8.750	
US Wall Pole Tip(1)	-20.004	0.000	8.750	
US Sym. Pt.	-0.006			
US Gap				39.996
DS Aisle Pole Tip(260)	20.016	0.000	3375.750	
DS Wall Pole Tip(260)	-19.978	0.000	3375.750	
DS Sym. Pt.	0.019			
DS Gap				39.994
Taper				-0.002

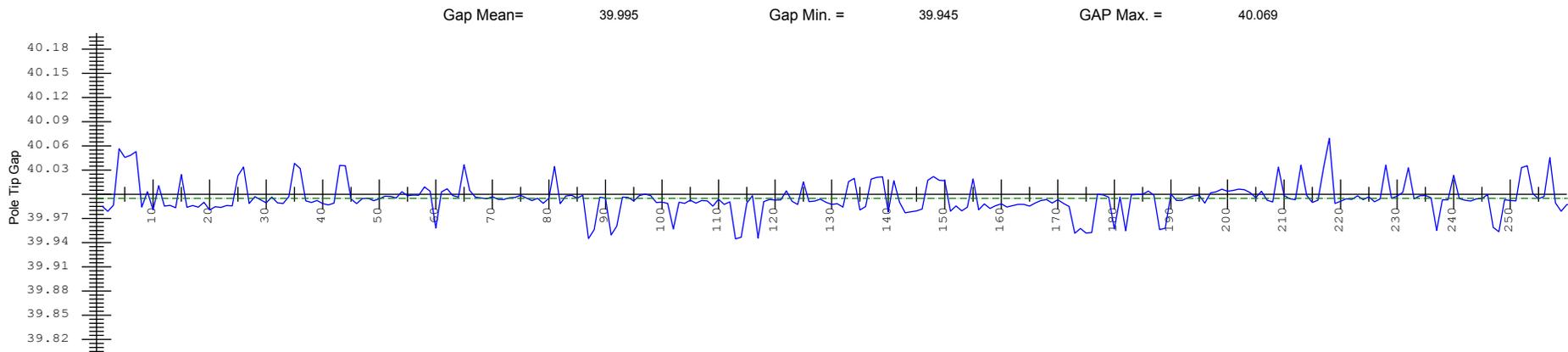
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9914	DS Wall Half :	19.9940
		US Aisle Half :	19.9943	DS Aisle Half :	19.9940

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

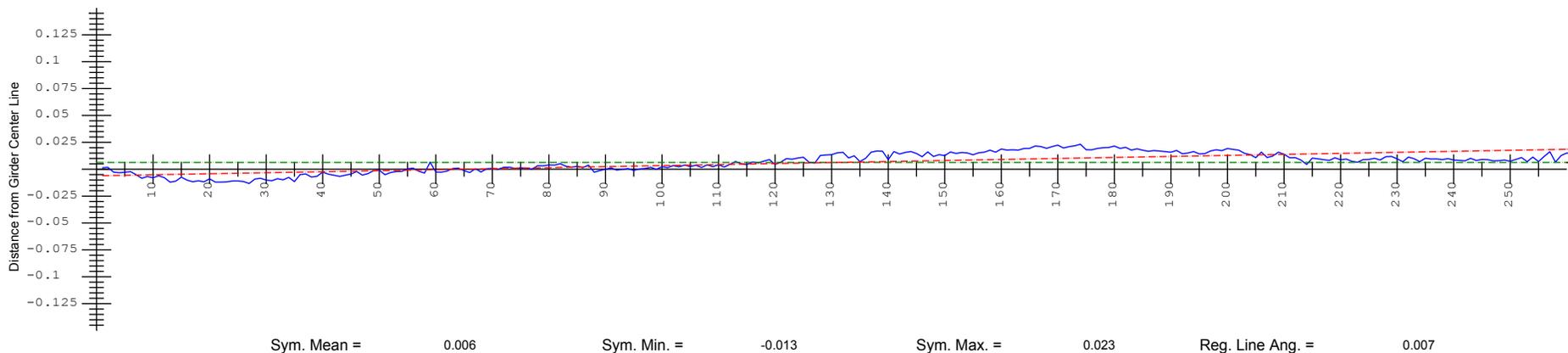


Pole Tip Gap at Nom. Beam Height

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

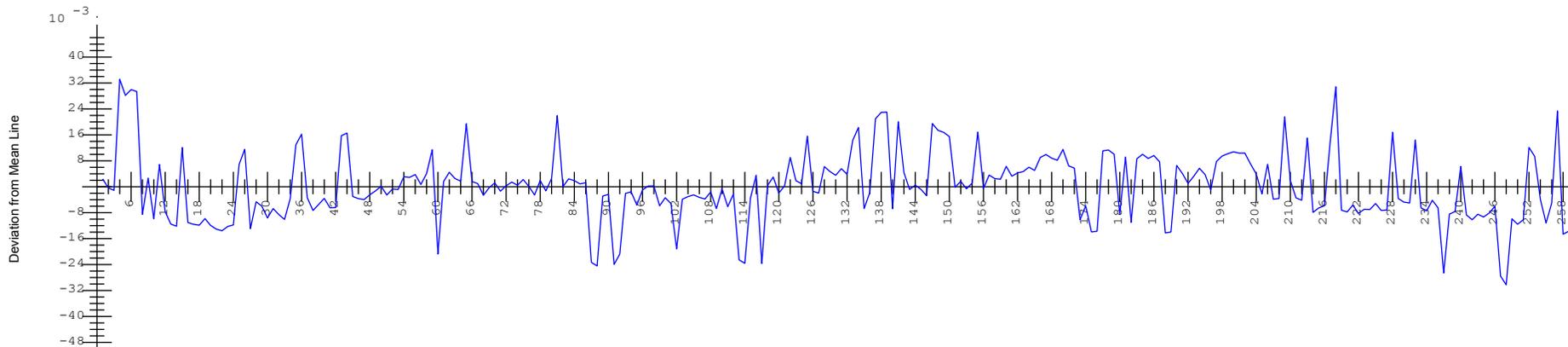
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9914	DS Wall Half :	19.9940
		US Aisle Half :	19.9943	DS Aisle Half :	19.9940

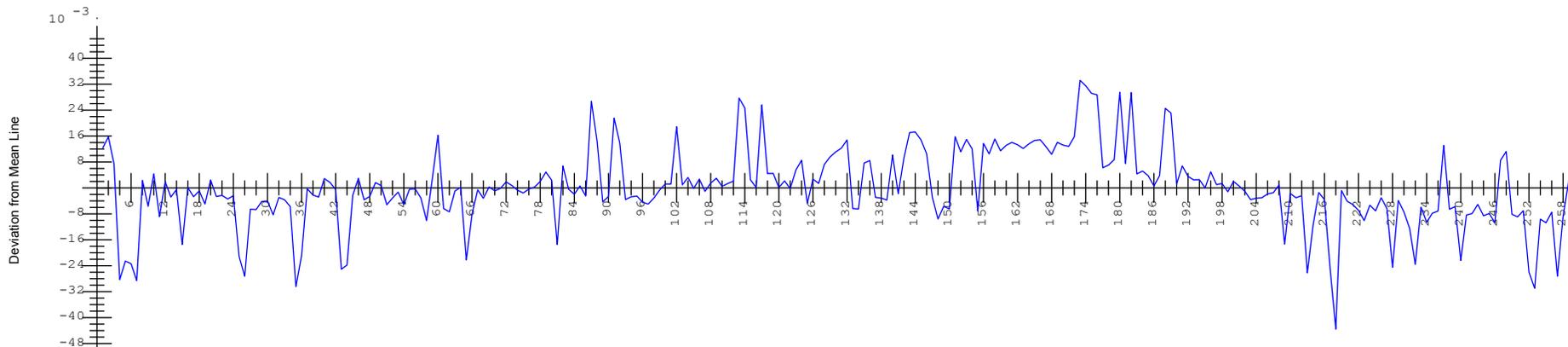
S/N	: HXU_007
Date	: 07-AUG-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	40.000	US Full :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9914	DS Wall Half :	19.9940
		US Aisle Half :	19.9943	DS Aisle Half :	19.9940

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