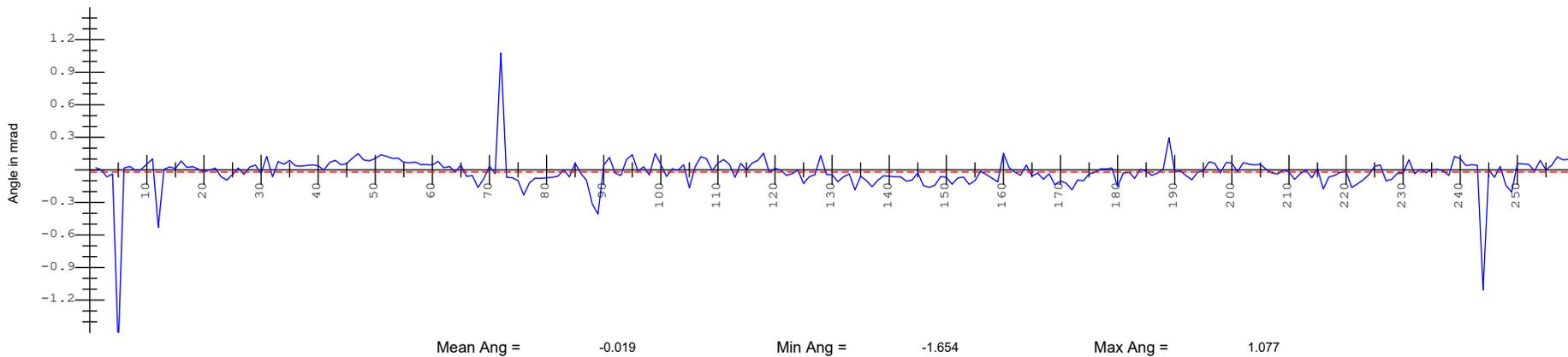


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

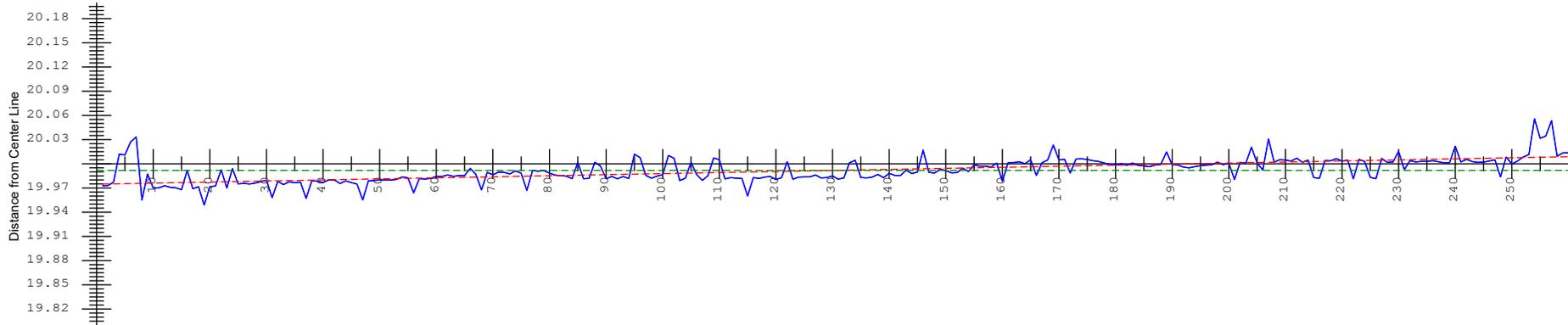


HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0005	DS Full :	40.0004
Nom. Taper :	0.000	US Wall Half :	19.9919	DS Wall Half :	19.9927
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

S/N	: HXU_010
Date	: 06-DEC-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Aisle Pole Mean = 19.992 Aisle Pole Min. = 19.949 Aisle Pole Max. = 20.056 Reg. Line Ang. = 0.010



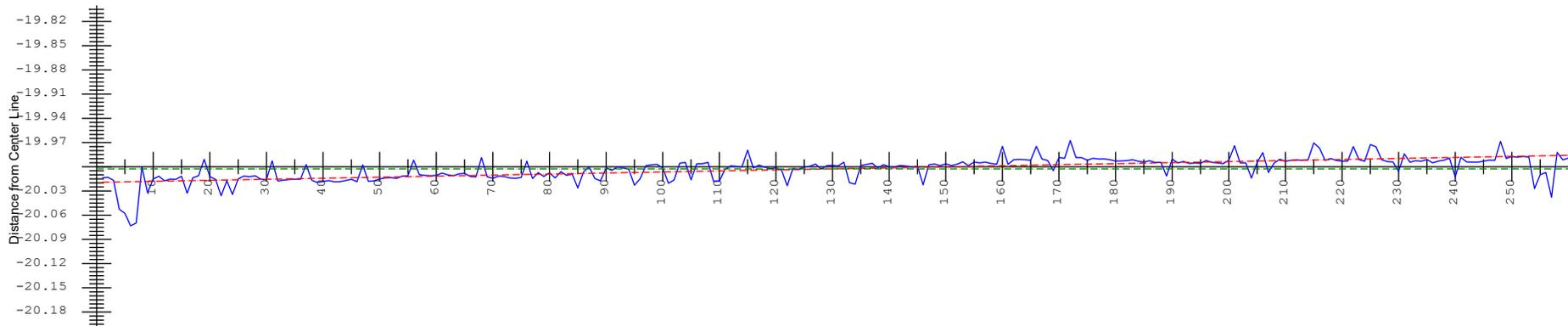
Aisle Pole Tips at Nom. Beam Height

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 = 39.898



Wall Pole Mean = -20.003 Wall Pole Min. = -20.073 Wall Pole Max. = -19.967 Reg. Line Ang. = 0.010

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 :	40.0005	DS Full :	40.0004
Nom. Taper :	0.000	US Wall Half :	19.9919	DS Wall Half :	19.9927
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

S/N	: HXU_010
Date	: 06-DEC-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)	19.975	0.000	8.750	
US Wall Pole Tip(1)	-20.019	0.000	8.750	
US Sym. Pt.	-0.022			
US Gap				39.994
DS Aisle Pole Tip(260)	20.009	0.000	3375.750	
DS Wall Pole Tip(260)	-19.986	0.000	3375.750	
DS Sym. Pt.	0.011			
DS Gap				39.995
Taper				0.001

Dimensions in MM

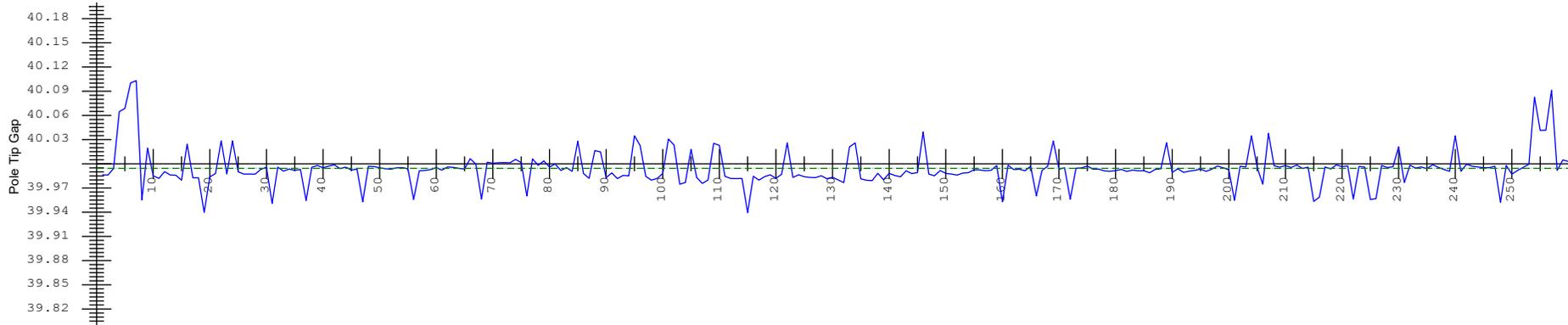


HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	40.000	US Full :	40.0005	DS Full :	40.0004
Nom. Taper :	0.000	US Wall Half :	19.9919	DS Wall Half :	19.9927
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

S/N	: HXU_010
Date	: 06-DEC-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Gap Mean= 39.994 Gap Min. = 39.939 GAP Max. = 40.103

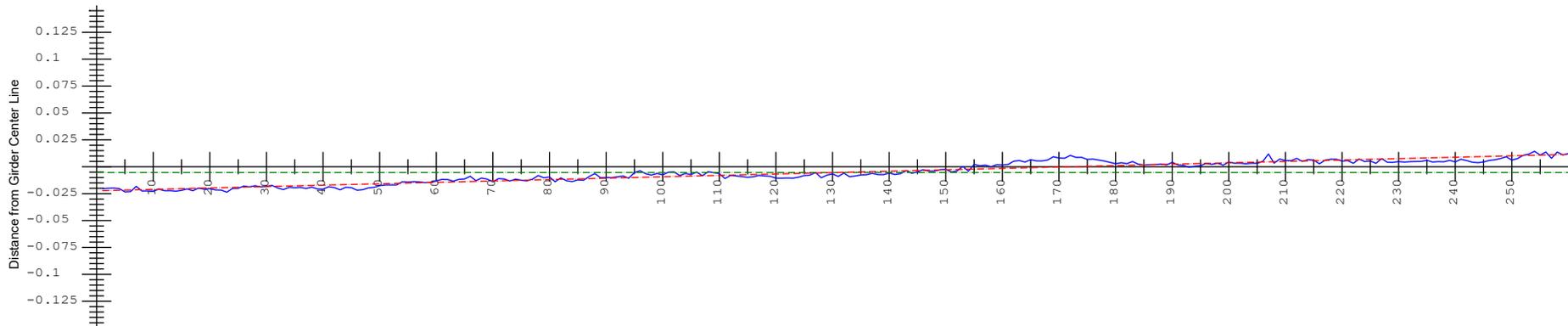


Pole Tip Gap at Nom. Beam Height

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 = -0.005 Sym. Min. = -0.024 Sym. Max. = 0.014 Reg. Line Ang. = 0.010

Girder centerline in reference to Pointed Magnets

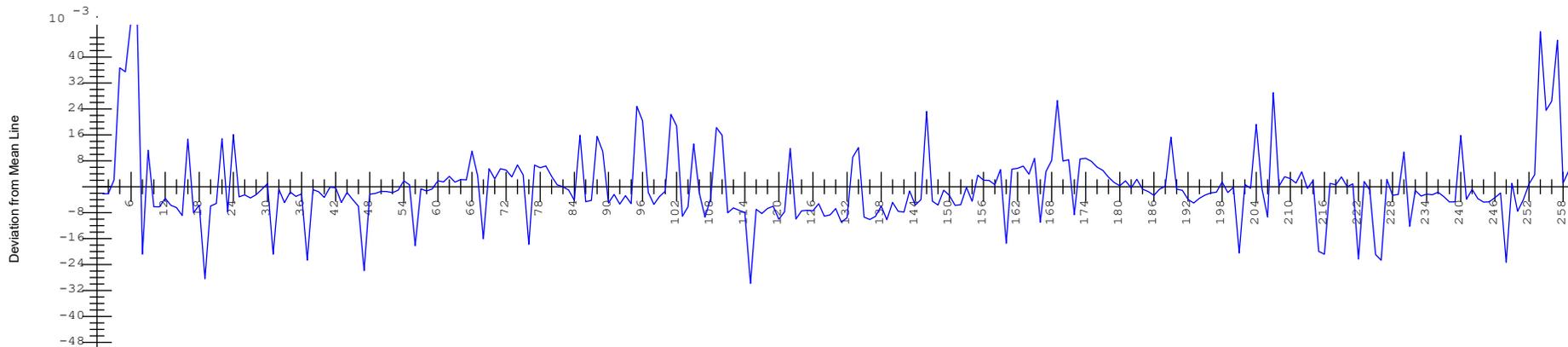
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	40.000	US Full :	40.0005	DS Full :	40.0004
Nom. Taper :	0.000	US Wall Half :	19.9919	DS Wall Half :	19.9927
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

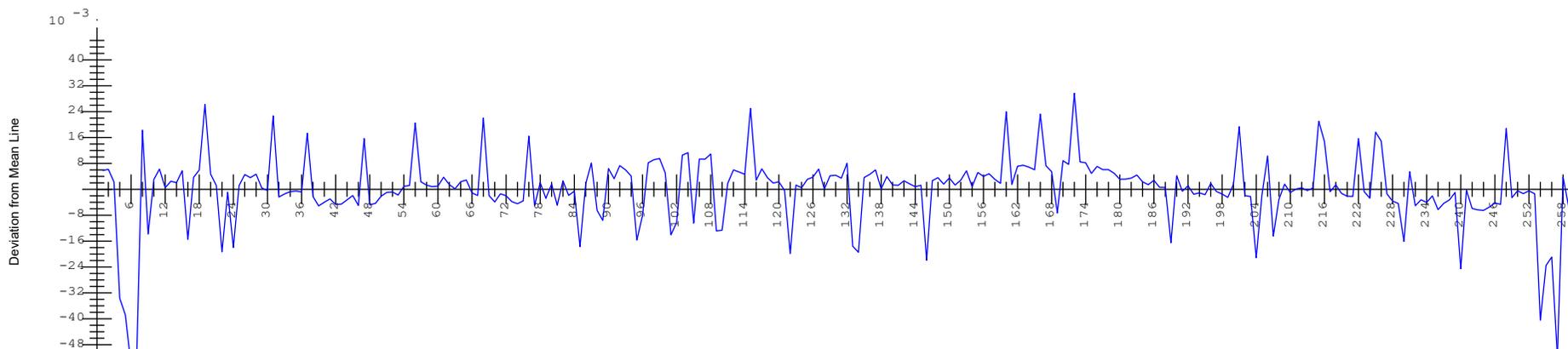
S/N	: HXU_010
Date	: 06-DEC-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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 :	40.0005	DS Full :	40.0004
Nom. Taper :	0.000	US Wall Half :	19.9919	DS Wall Half :	19.9927
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

S/N	: HXU_010
Date	: 06-DEC-2019
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B