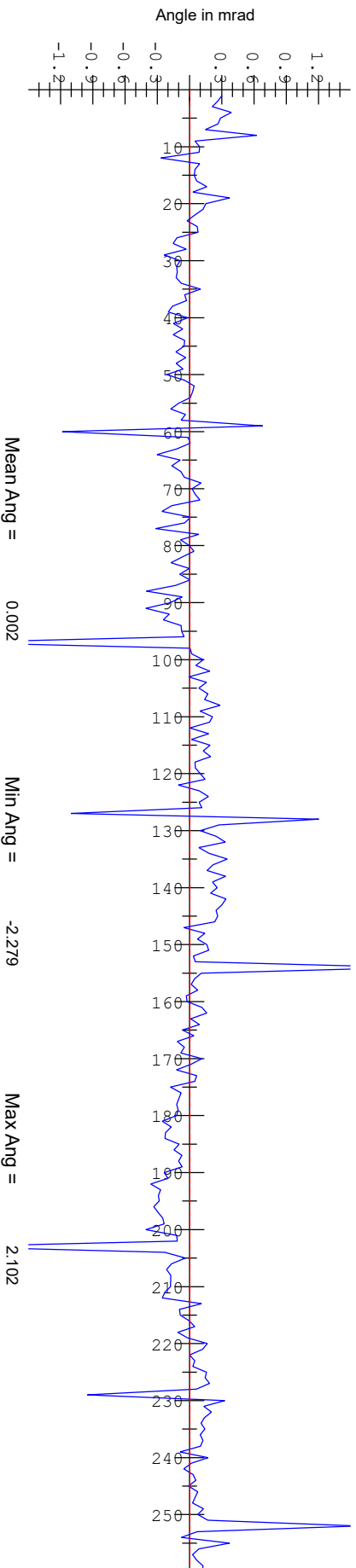



Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

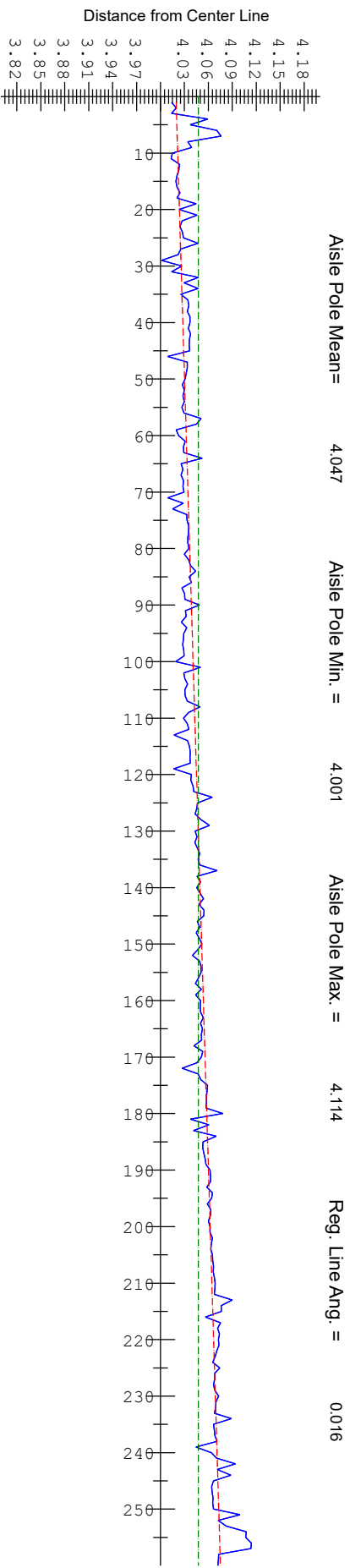


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HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0012	DS Wall Half :	4.0516
		US Aisle Half :	4.0020	DS Aisle Half :	4.0505

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

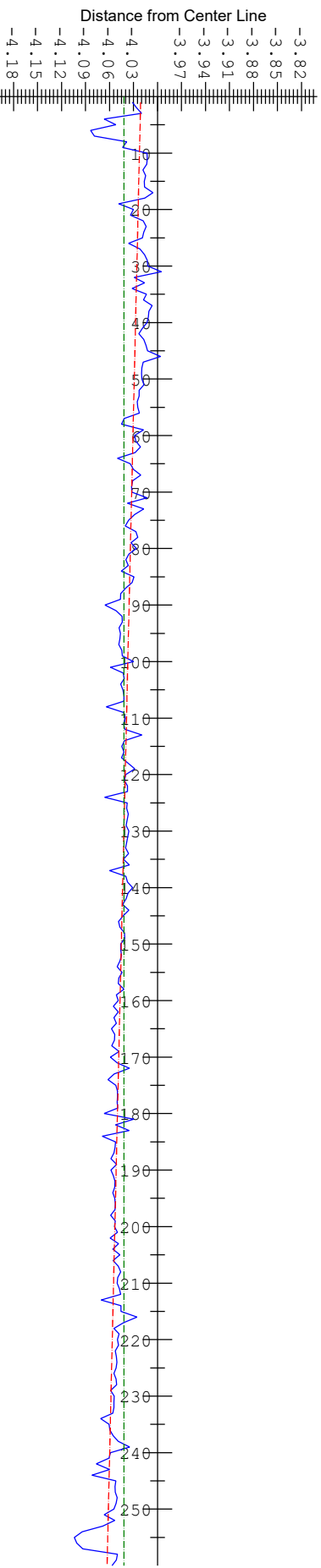


Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

Blue = Pole Tip points
 Green = Mean line
 Red = Regression line thru points

Minimum Clearance Gap = 7.990



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap : 8.000 US Full : 8.0000 DS Full : 8.1001

Nom. Taper : 0.100 US Wall Half : 4.0012 DS Wall Half : 4.0516

US Aisle Half : 4.0020 DS Aisle Half : 4.0505

S/N : HXU_032

Date : 18-AUG-2020

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)	4.020	0.000	8.750	
US Wall Pole Tip(1)	-4.021	0.000	8.750	
US Sym. Pt.	-0.001			
US Gap				8.041
DS Aisle Pole Tip(260)	4.075	0.000	3375.750	
DS Wall Pole Tip(260)	-4.063	0.000	3375.750	
DS Sym. Pt.	0.006			
DS Gap				8.138
Taper				0.097

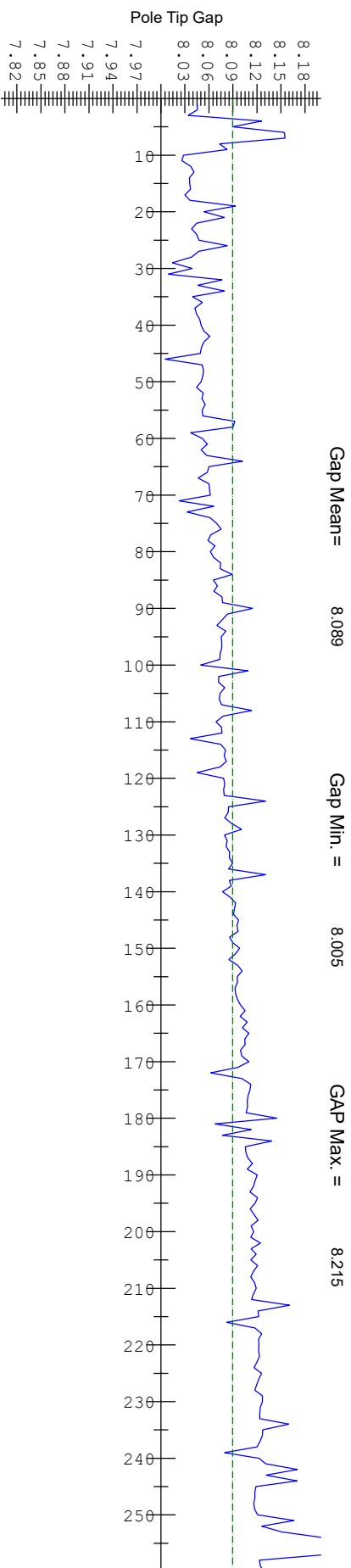
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1001
US Wall Half :	4.0012	US Wall Half :	4.0012	DS Wall Half :	4.0516
US Aisle Half :	4.0020	US Aisle Half :	4.0020	DS Aisle Half :	4.0505
Nom. Taper :	0.100				

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

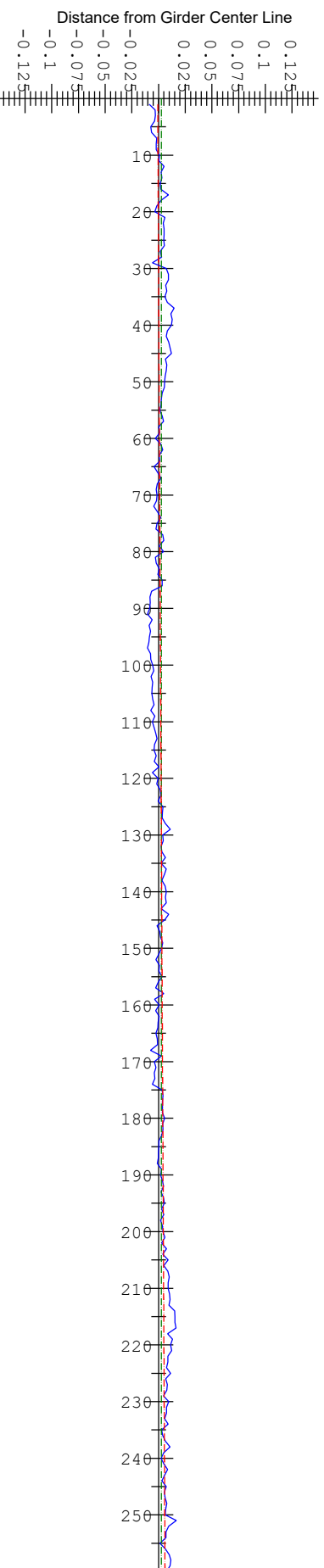


Pole Tip Gap at Nom. Beam Height

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

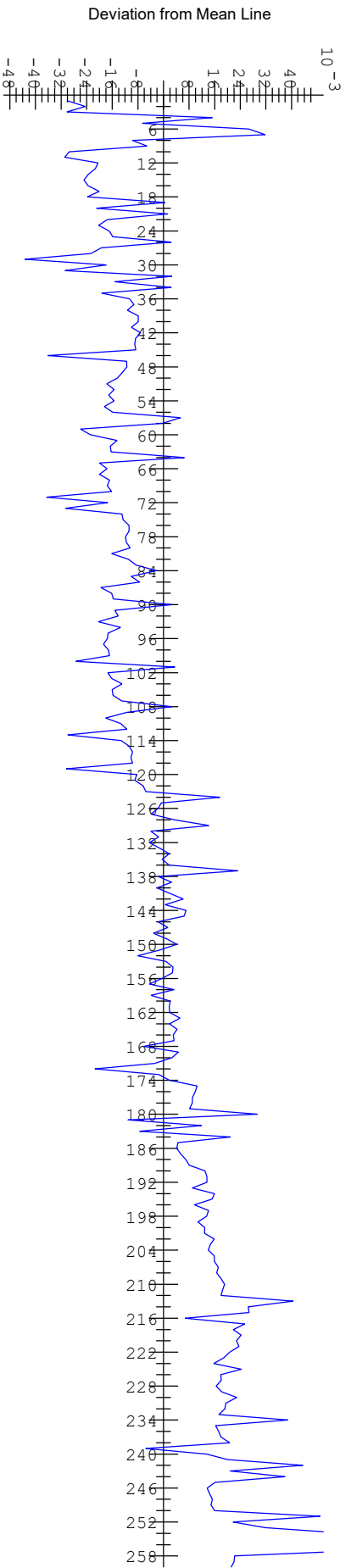
Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Gap and Symmetry Point Location

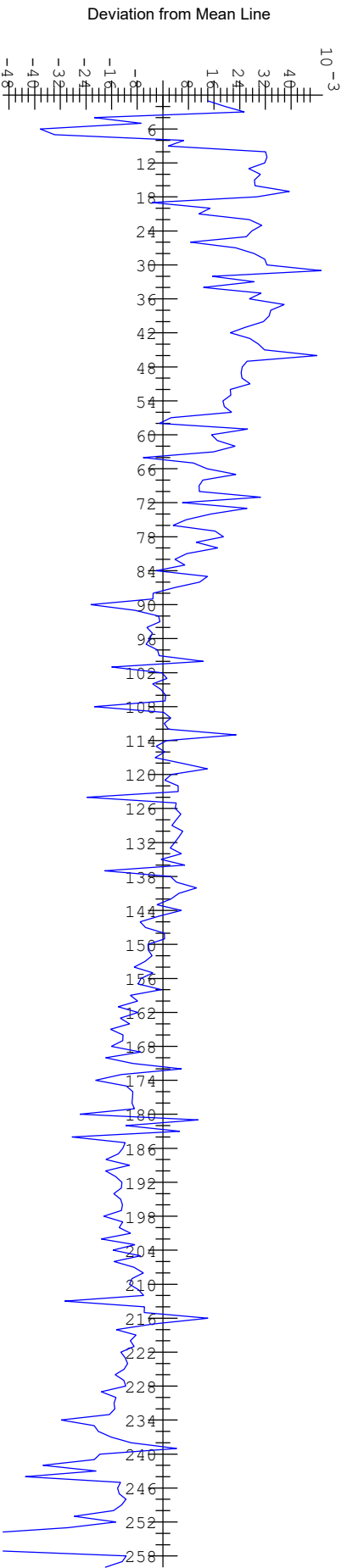
Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0012	DS Wall Half :	4.0516
		US Aisle Half :	4.0020	DS Aisle Half :	4.0505

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips

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 :	8.000	US Full :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0012	DS Wall Half :	4.0516
		US Aisle Half :	4.0020	DS Aisle Half :	4.0505

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B