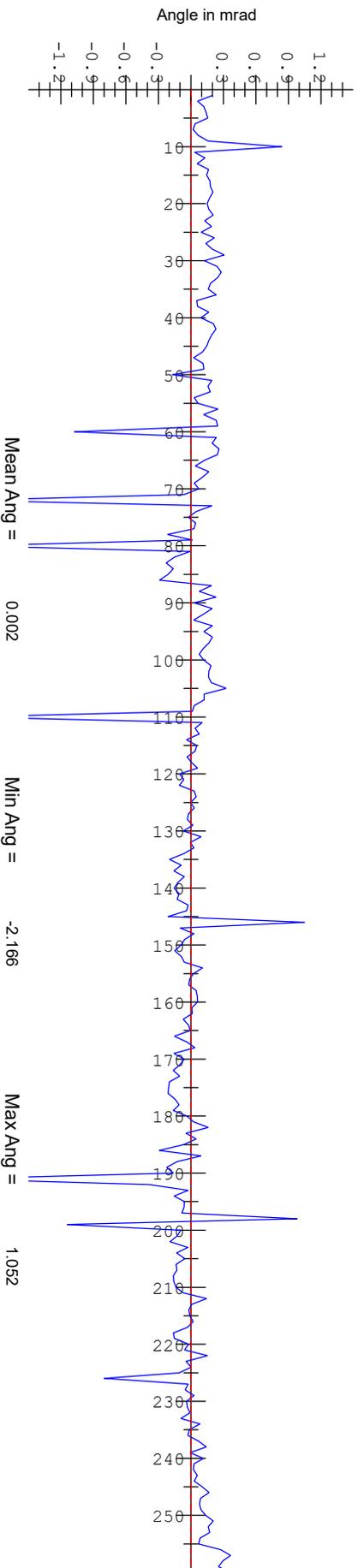


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

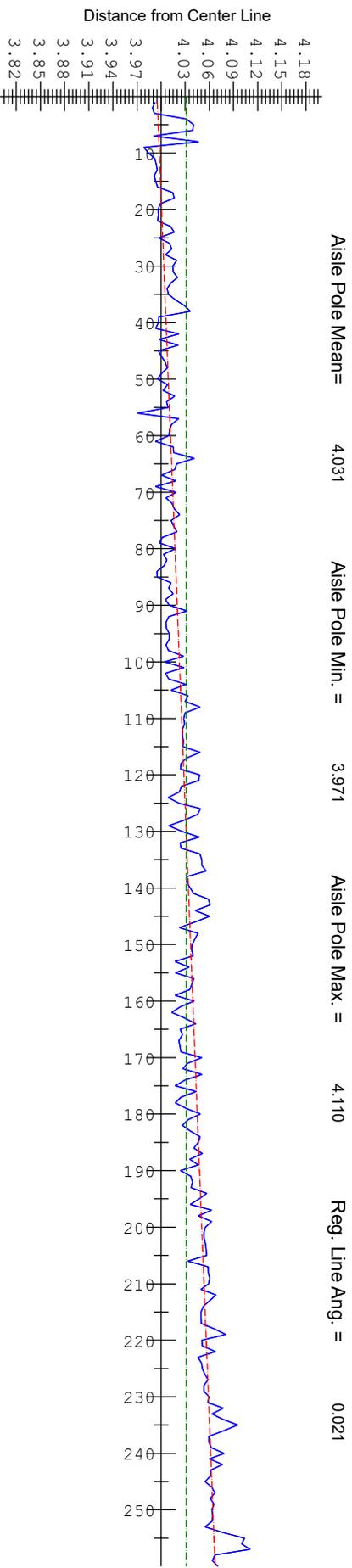


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HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1000
Nom. Taper :	0.100	US Wall Half :	4.0044	DS Wall Half :	4.0521
		US Aisle Half :	4.0025	DS Aisle Half :	4.0533

S/N	: HXU 016
Date	: 22-JAN-2021
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

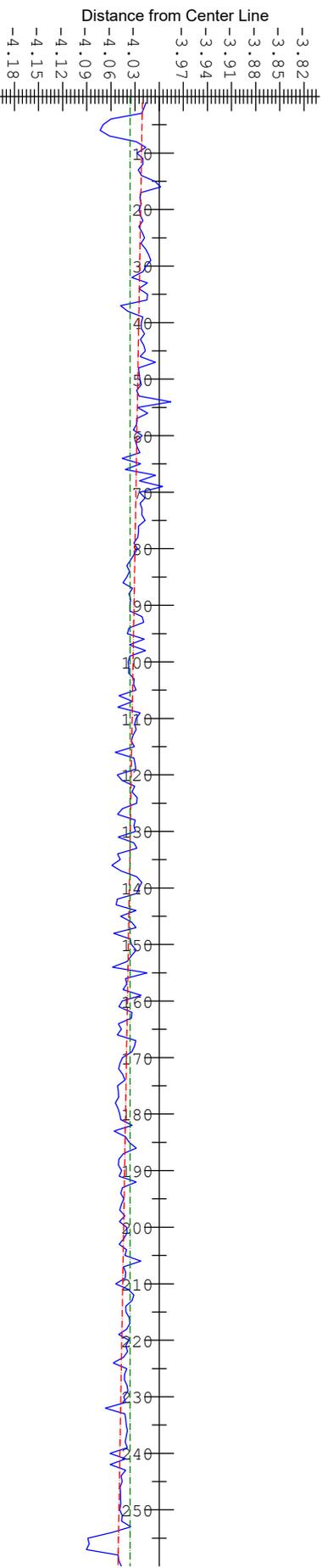


Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 7.942



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 : 8.1000

Nom. Taper : 0.100 US Wall Half : 4.0044 DS Wall Half : 4.0521

US Aisle Half : 4.0025 DS Aisle Half : 4.0533

S/N : HXU 016

Date : 22-JAN-2021

Data Set : 0002

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)	3.995	0.000	8.750	
US Wall Pole Tip(1)	-4.021	0.000	8.750	
US Sym. Pt.	-0.013			
US Gap				8.016
DS Aisle Pole Tip(260)	4.067	0.000	3375.750	
DS Wall Pole Tip(260)	-4.051	0.000	3375.750	
DS Sym. Pt.	0.008			
DS Gap				8.118
Taper				0.102

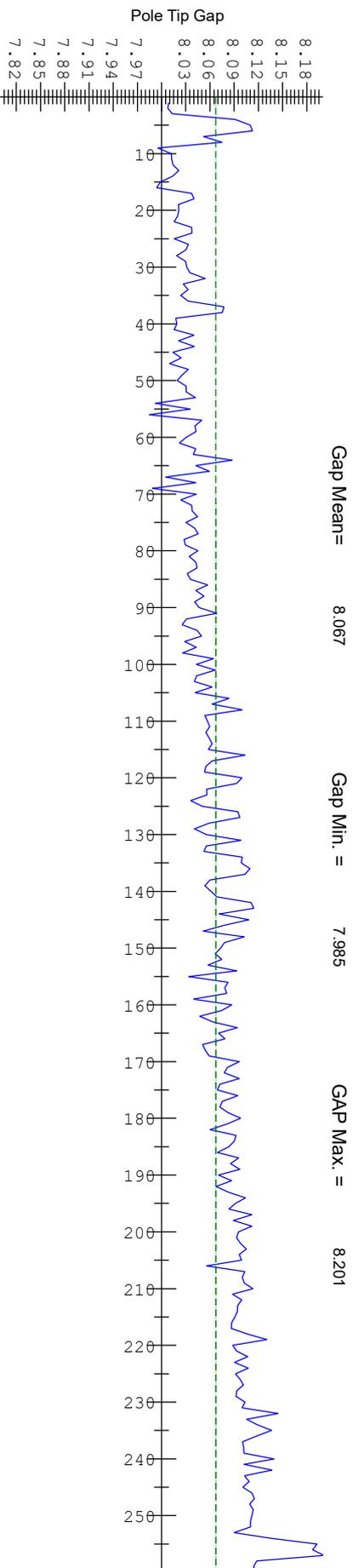
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1000
Nom. Taper :	0.100	US Wall Half :	4.0044	DS Wall Half :	4.0521
		US Aisle Half :	4.0025	DS Aisle Half :	4.0533

S/N	: HXU_016
Date	: 22-JAN-2021
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

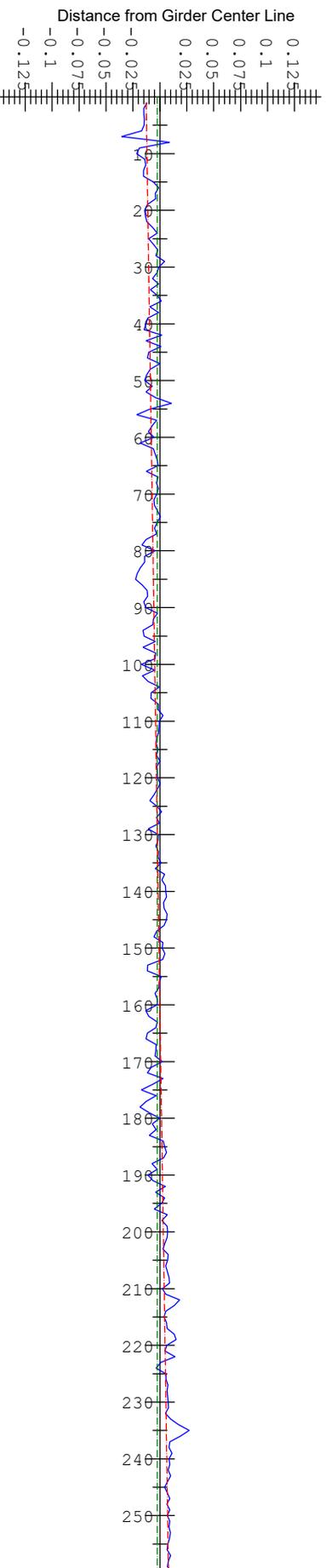


Pole Tip Gap at Nom. Beam Height

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 :	8.1000
Nom. Taper :	0.100	US Wall Half :	4.0044	DS Wall Half :	4.0521
		US Aisle Half :	4.0025	DS Aisle Half :	4.0533

S/N	: HXU 016
Date	: 22-JAN-2021
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B



HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap : 8.000 US Full : 8.0000 DS Full : 8.1000

Nom. Taper : 0.100 US Wall Half : 4.0044 DS Wall Half : 4.0521

US Aisle Half : 4.0025 DS Aisle Half : 4.0533

S/N : HXU 016

Date : 22-JAN-2021

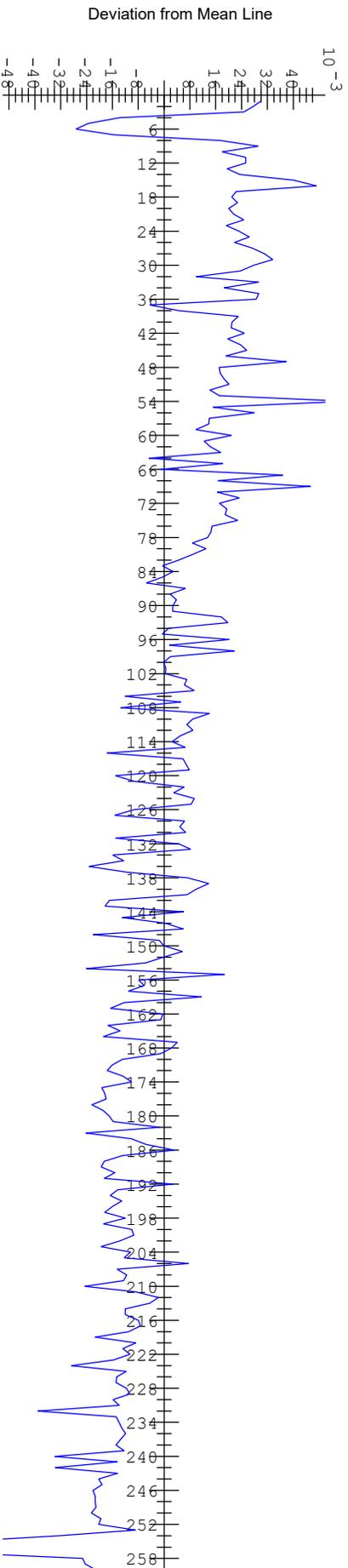
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Run : FINAL

Cam Pos. : B

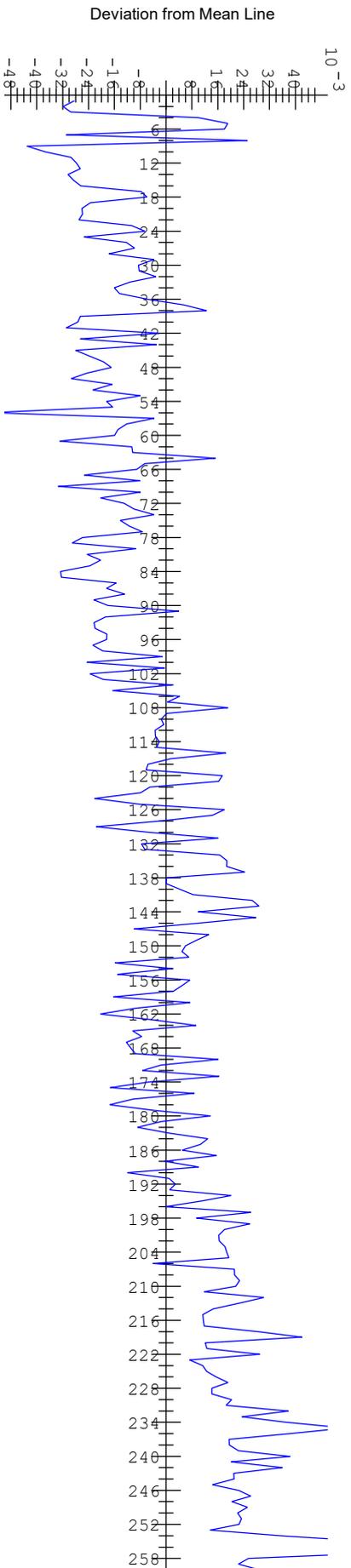
Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



Pole Tip Num. ----->

Wall Pole Tips



Aisle Pole Tips