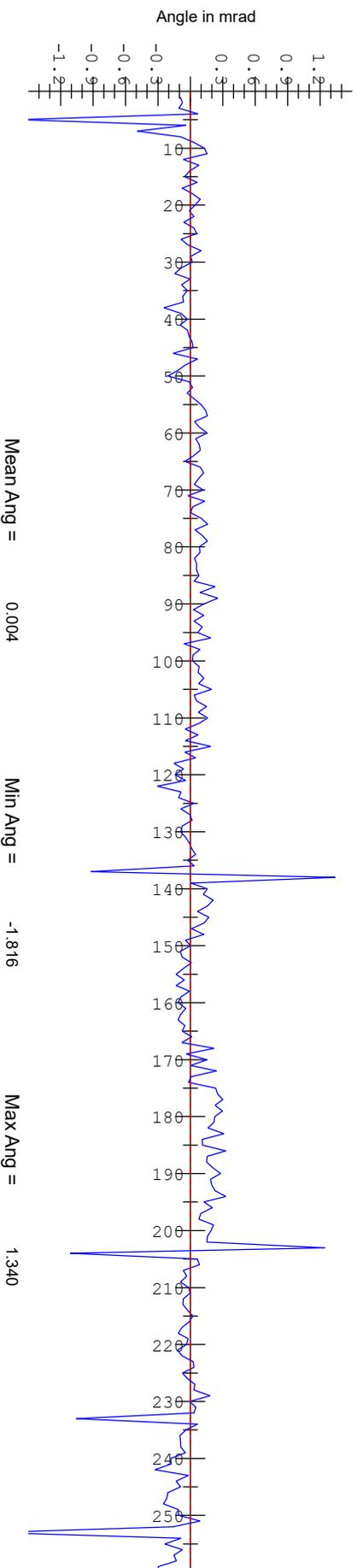


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



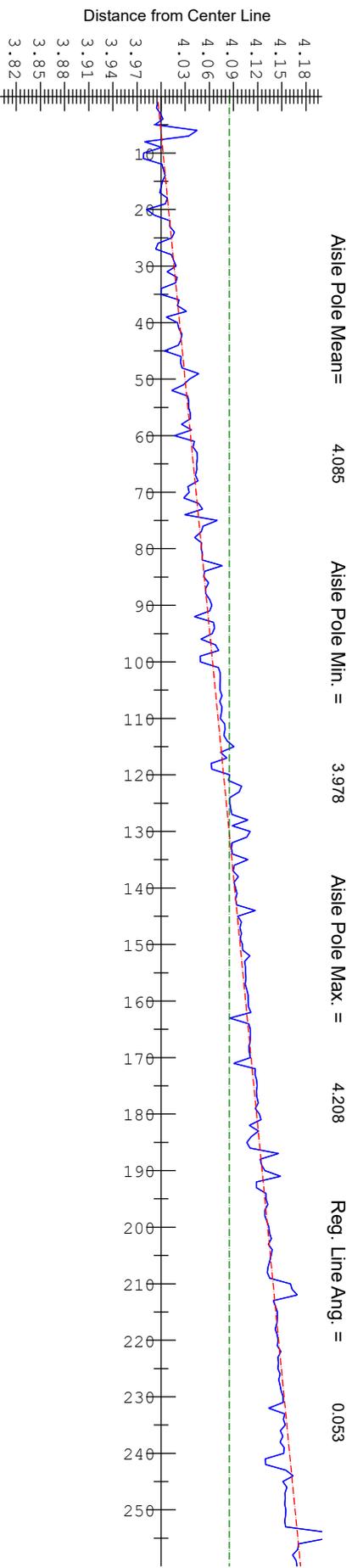
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.2995
Nom. Taper :	0.300	US Wall Half :	4.0044	DS Wall Half :	4.1544
		US Aisle Half :	4.0042	DS Aisle Half :	4.1545

S/N	: HXU 017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

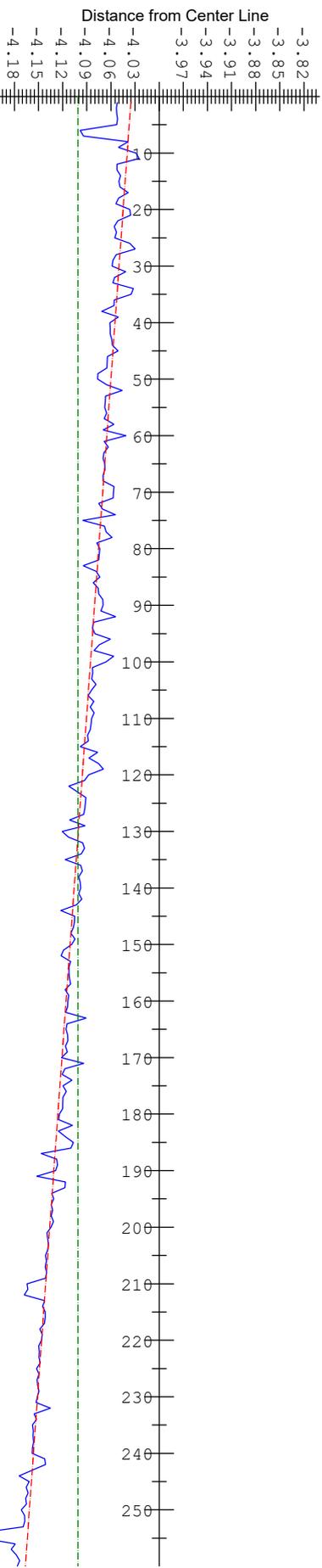


Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 7.956



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 :	8.0001	DS Full :	8.2995
Nom. Taper :	0.300	US Wall Half :	4.0044	DS Wall Half :	4.1544
		US Aisle Half :	4.0042	DS Aisle Half :	4.1545

S/N :	HXU 017
Date :	03-NOV-2022
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)	3.996	0.000	8.750	
US Wall Pole Tip(1)	-4.035	0.000	8.750	
US Sym. Pt.	-0.019			
US Gap				8.031
DS Aisle Pole Tip(260)	4.173	0.000	3375.750	
DS Wall Pole Tip(260)	-4.166	0.000	3375.750	
DS Sym. Pt.	0.003			
DS Gap				8.340
Taper				0.308

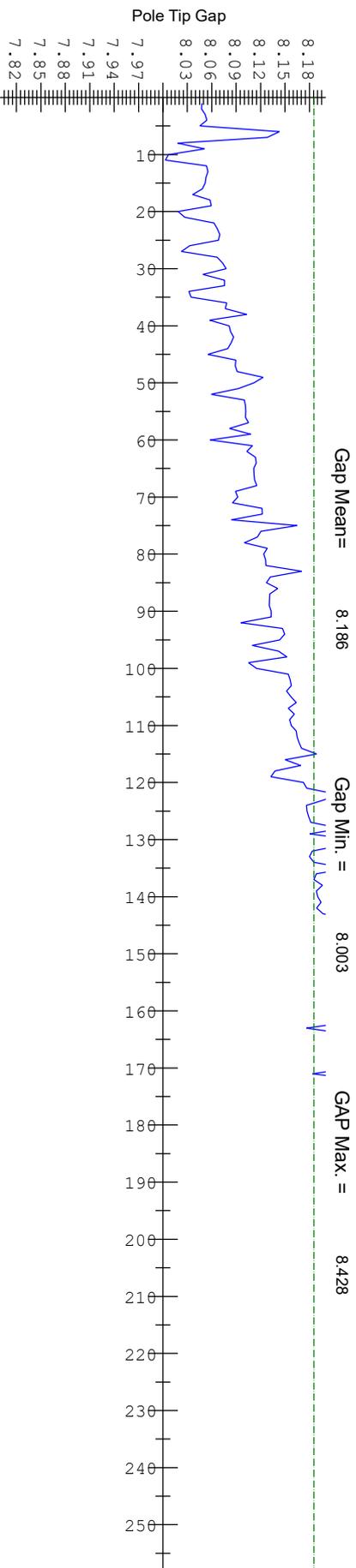
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.2995
Nom. Taper :	0.300	US Wall Half :	4.0044	DS Wall Half :	4.1544
		US Aisle Half :	4.0042	DS Aisle Half :	4.1545

S/N	: HXU_017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

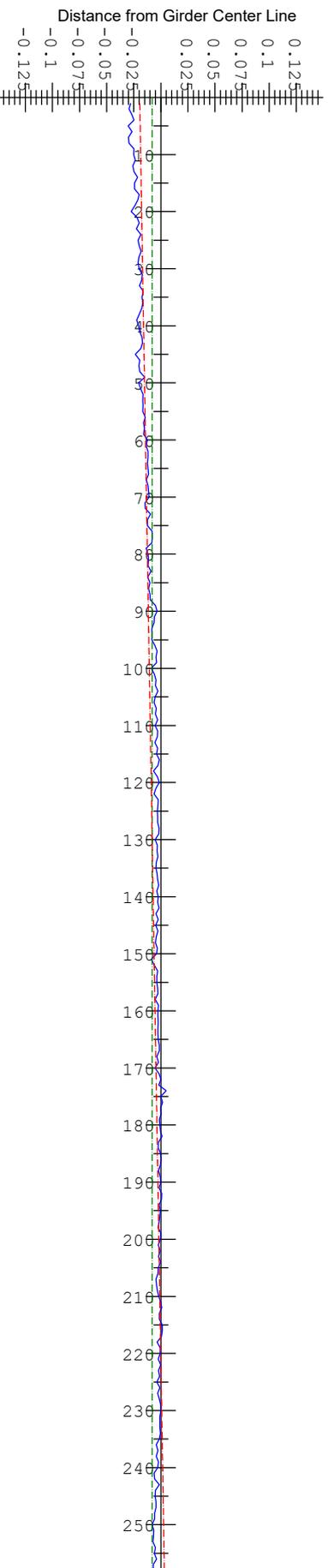


Pole Tip Gap at Nom. Beam Height

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 :	8.0001	DS Full :	8.2995
Nom. Taper :	0.300	US Wall Half :	4.0044	DS Wall Half :	4.1544
		US Aisle Half :	4.0042	DS Aisle Half :	4.1545

S/N	: HXU_017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B



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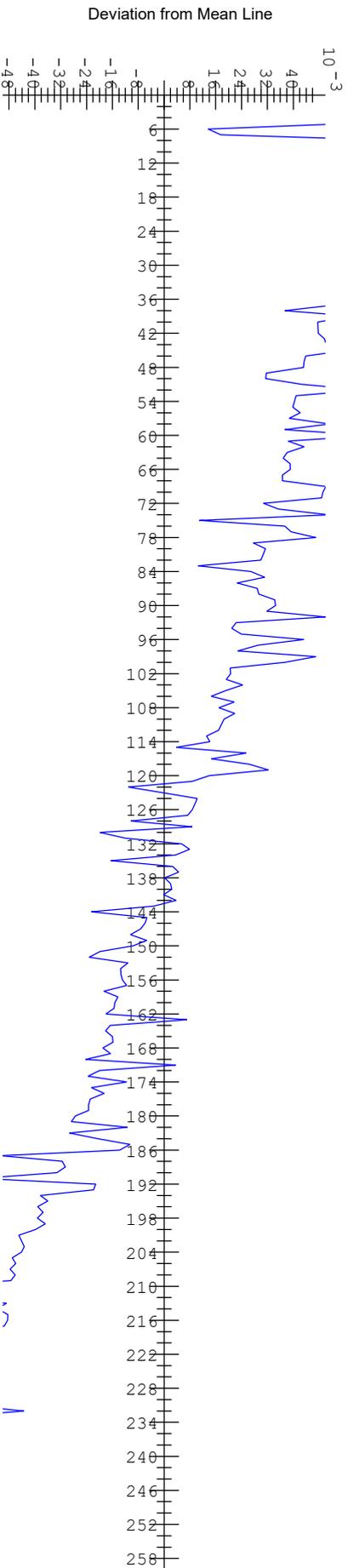
HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap : 8.000 US Full : 8.0001 DS Full : 8.2995
 Nom. Taper : 0.300 US Wall Half : 4.0044 DS Wall Half : 4.1544
 US Aisle Half : 4.0042 DS Aisle Half : 4.1545

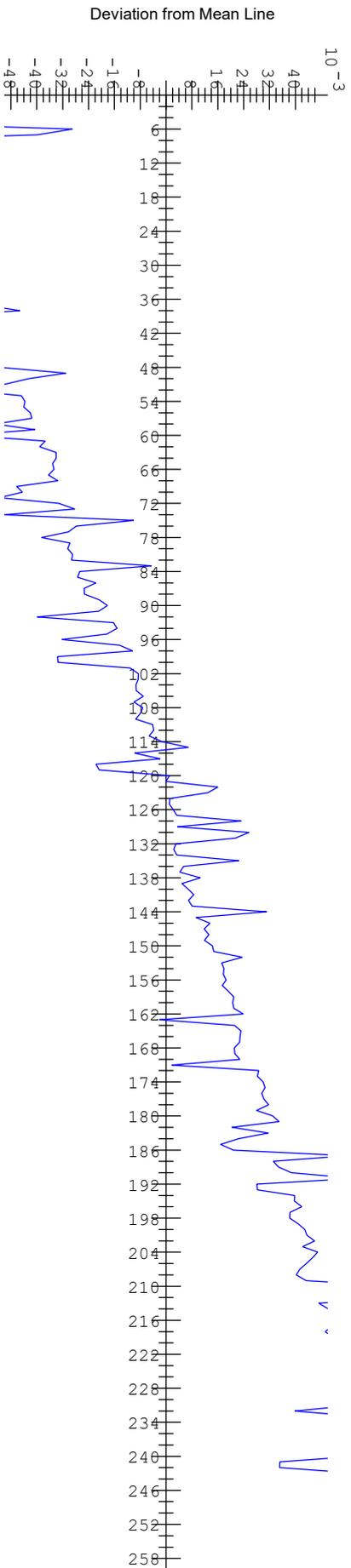
S/N : HXU_017
 Date : 03-NOV-2022
 Data Set : 0002
 Run : FINAL
 Cam Pos. : B

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

Dimensions in MM



Wall Pole Tips



Aisle Pole Tips