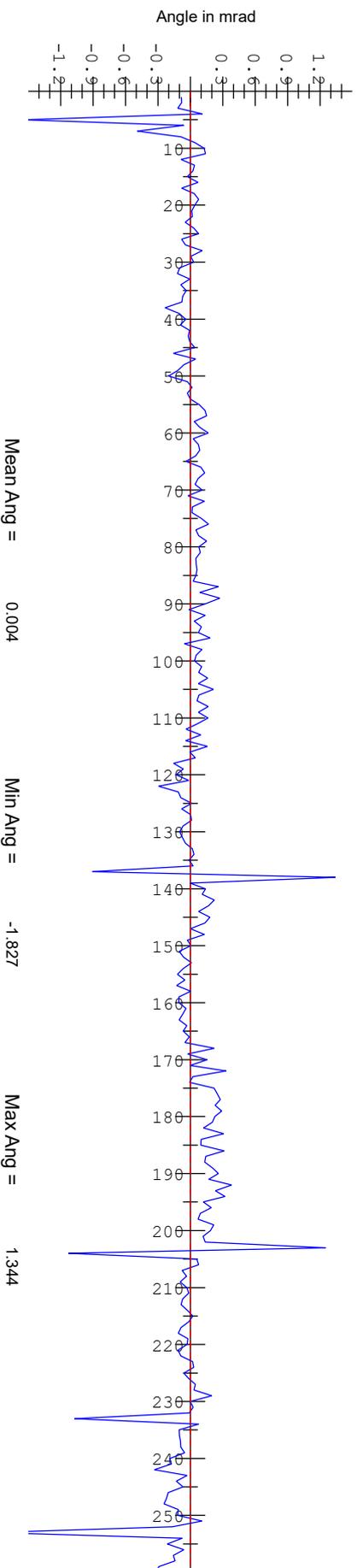


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

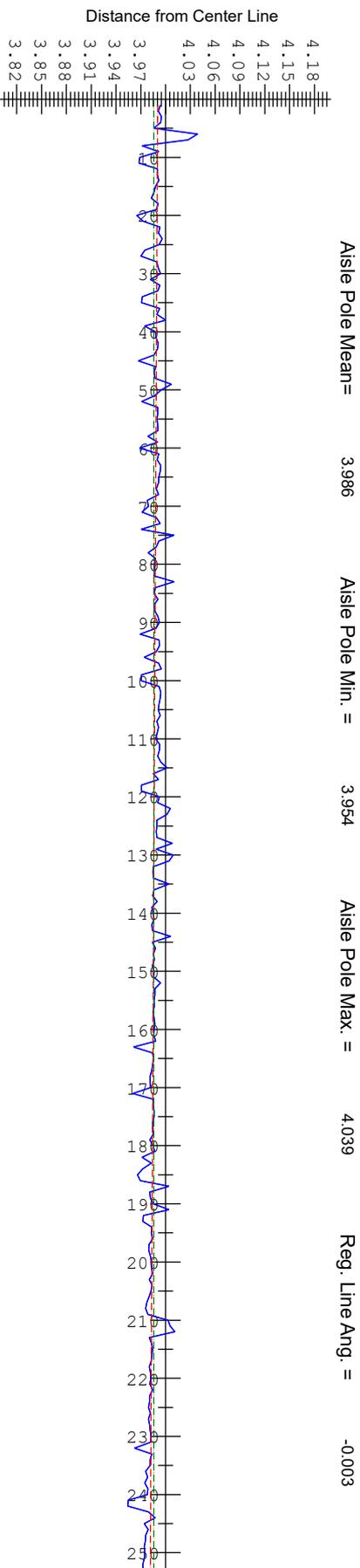


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HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8991
Nom. Taper :	-0.100	US Wall Half :	4.0006	DS Wall Half :	3.9525
		US Aisle Half :	4.0035	DS Aisle Half :	3.9517

S/N	: HXU 017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



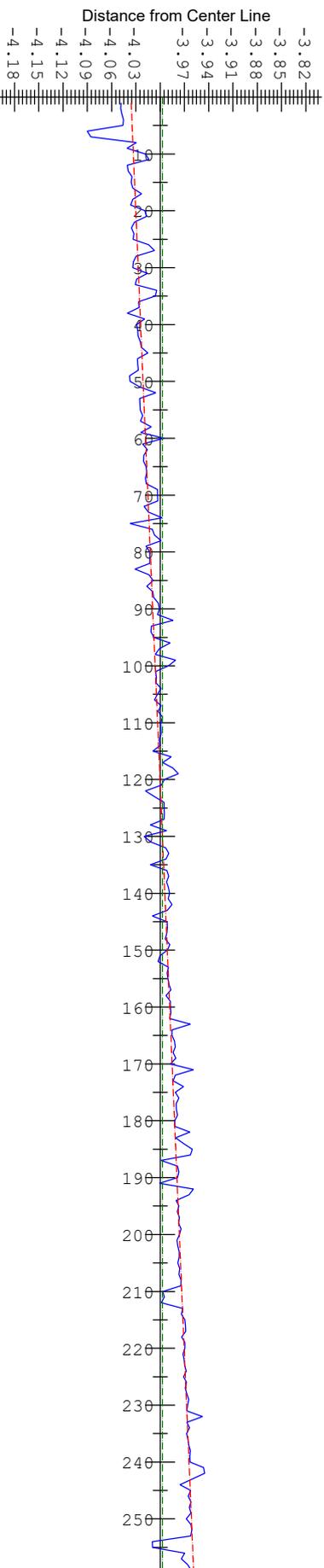
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 7.890



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 : 7.8991

Nom. Taper : -0.100 US Wall Half : 4.0006 DS Wall Half : 3.9525

US Aisle Half : 4.0035 DS Aisle Half : 3.9517

S/N : HXU_017

Date : 02-OCT-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)	3.990	0.000	8.750	
US Wall Pole Tip(1)	-4.036	0.000	8.750	
US Sym. Pt.	-0.023			
US Gap				8.026
DS Aisle Pole Tip(260)	3.981	0.000	3375.750	
DS Wall Pole Tip(260)	-3.958	0.000	3375.750	
DS Sym. Pt.	0.011			
DS Gap				7.940
Taper				-0.087

Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

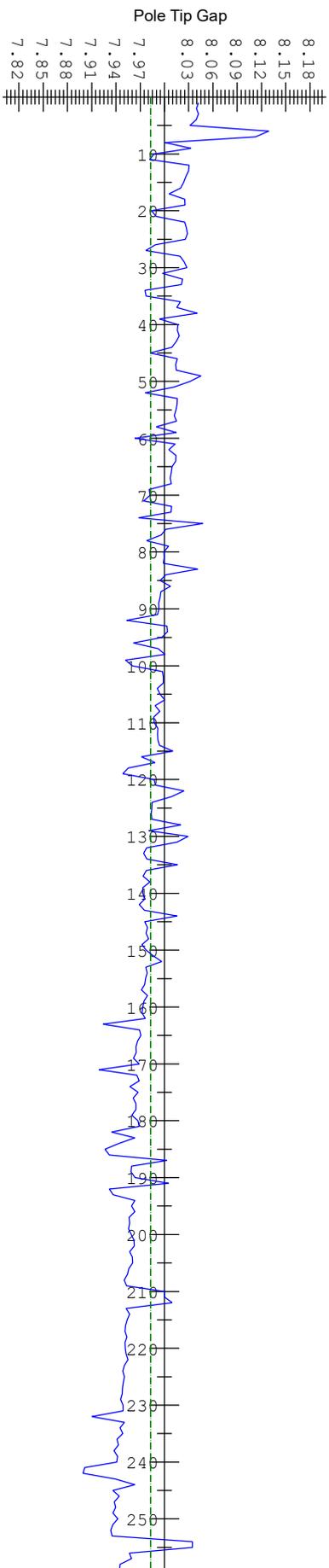
Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8991
Norm. Taper :	-0.100	US Wall Half :	4.0006	DS Wall Half :	3.9525
		US Aisle Half :	4.0035	DS Aisle Half :	3.9517

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

Gap Mean = 7.983

Gap Min. = 7.899

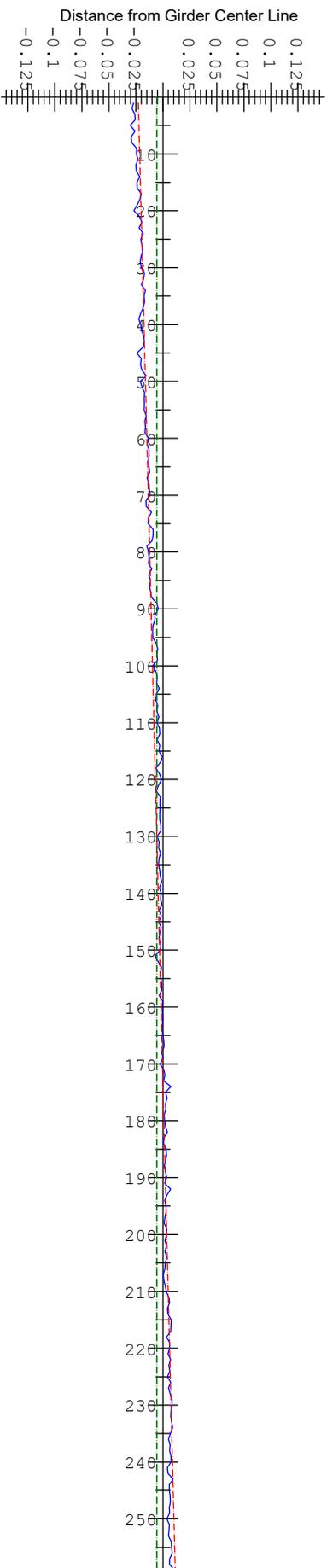
Gap Max. = 8.129



Pole Tip Gap at Nom. Beam Height

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

Pole Tip Symmetry Point at Nom. Beam Height



Sym. Mean =

-0.006

Sym. Min. =

-0.030

Sym. Max. =

0.011

Reg. Line Ang. =

0.010

Girder centerline in reference to Pointed Magnets

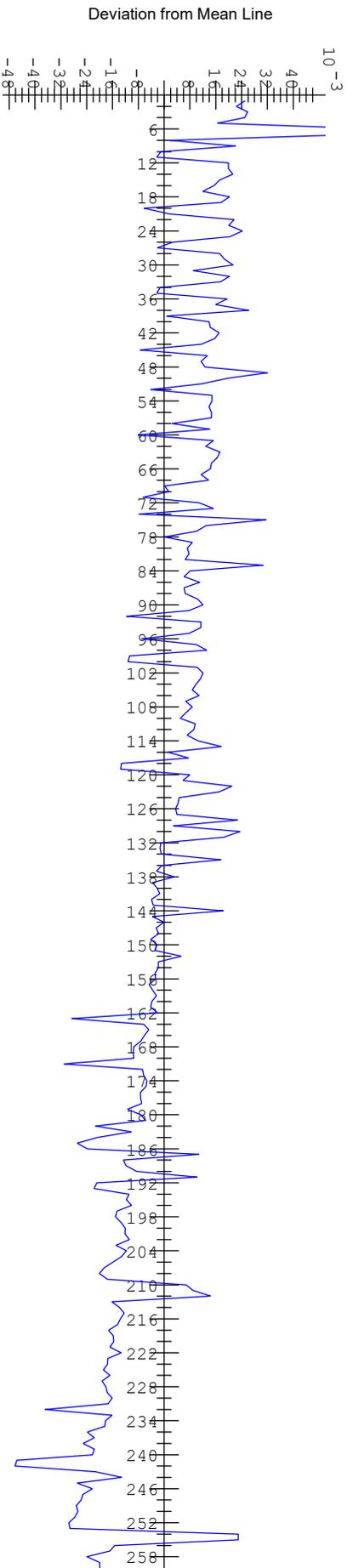
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

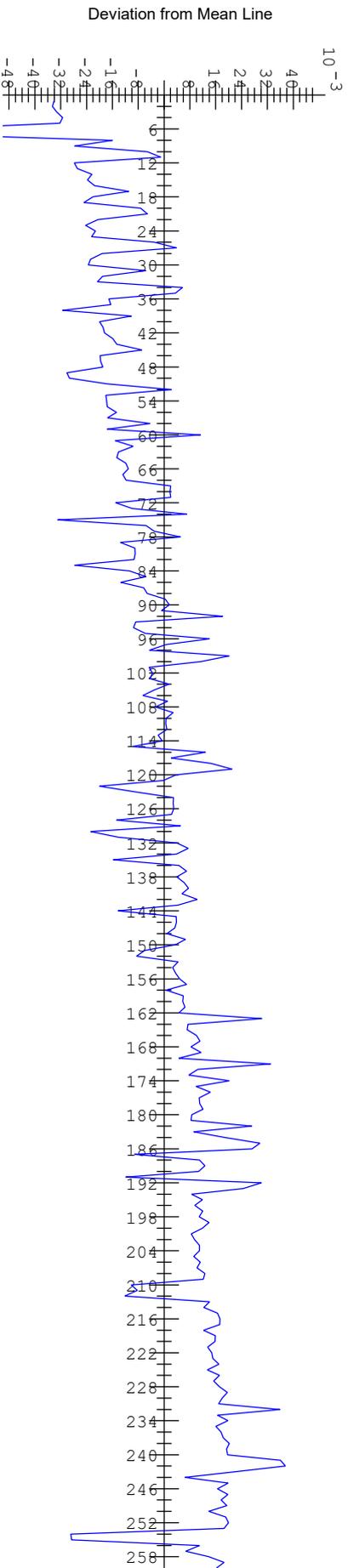
Nominal Gap :	8.000	US Full :	8.0000	DS Full :	7.8991
Nom. Taper :	-0.100	US Wall Half :	4.0006	DS Wall Half :	3.9525
		US Aisle Half :	4.0035	DS Aisle Half :	3.9517

S/N	: HXU_017
Date	: 02-OCT-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 :	7.8991
Nom. Taper :	-0.100	US Wall Half :	4.0006	DS Wall Half :	3.9525
		US Aisle Half :	4.0035	DS Aisle Half :	3.9517

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B