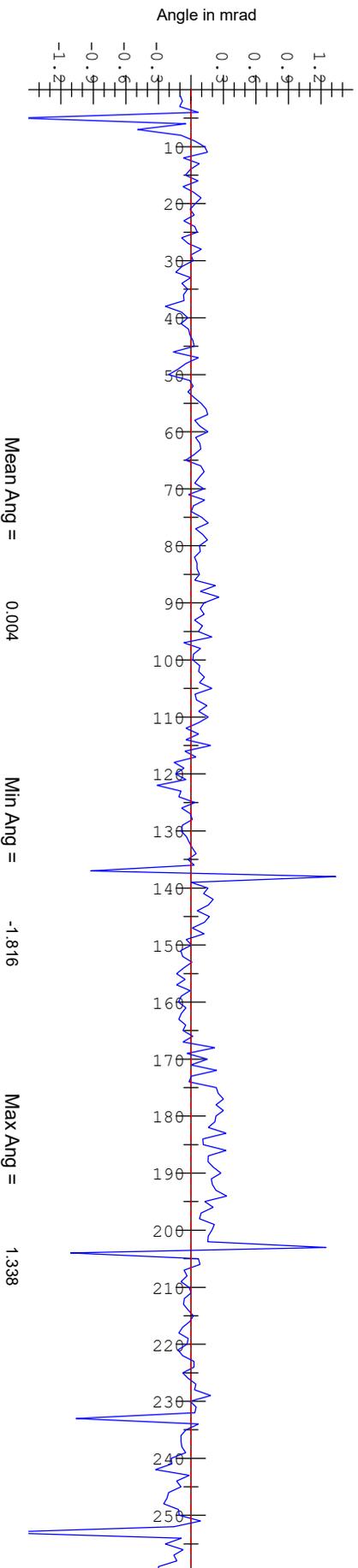


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



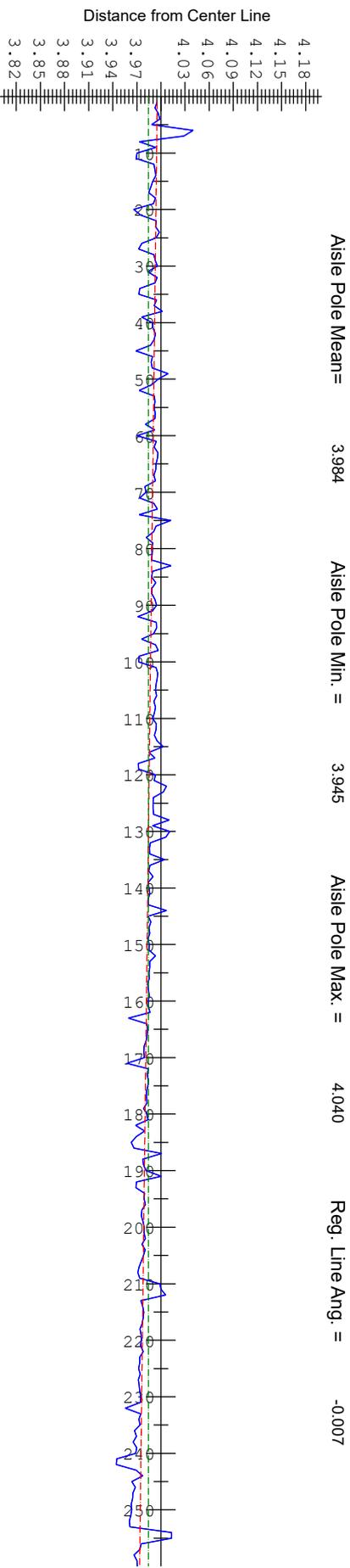
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0023	DS Wall Half :	3.9566
		US Aisle Half :	4.0051	DS Aisle Half :	3.9558

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



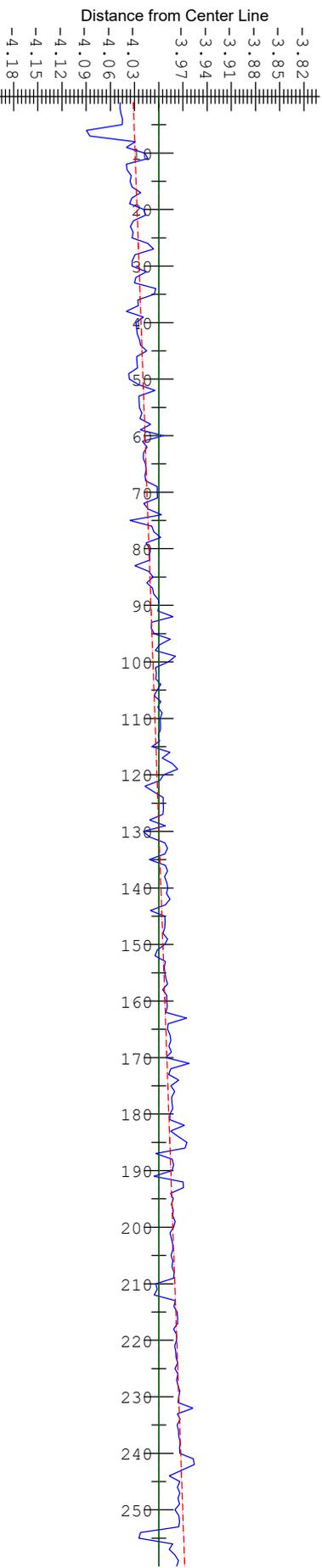
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 7.889



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 : 7.9997 DS Full : 7.8995

Nom. Taper : -0.100 US Wall Half : 4.0023 DS Wall Half : 3.9566

US Aisle Half : 4.0051 DS Aisle Half : 3.9558

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)	3.995	0.000	8.750	
US Wall Pole Tip(1)	-4.032	0.000	8.750	
US Sym. Pt.	-0.018			
US Gap				8.027
DS Aisle Pole Tip(260)	3.973	0.000	3375.750	
DS Wall Pole Tip(260)	-3.968	0.000	3375.750	
DS Sym. Pt.	0.003			
DS Gap				7.941
Taper				-0.086

Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

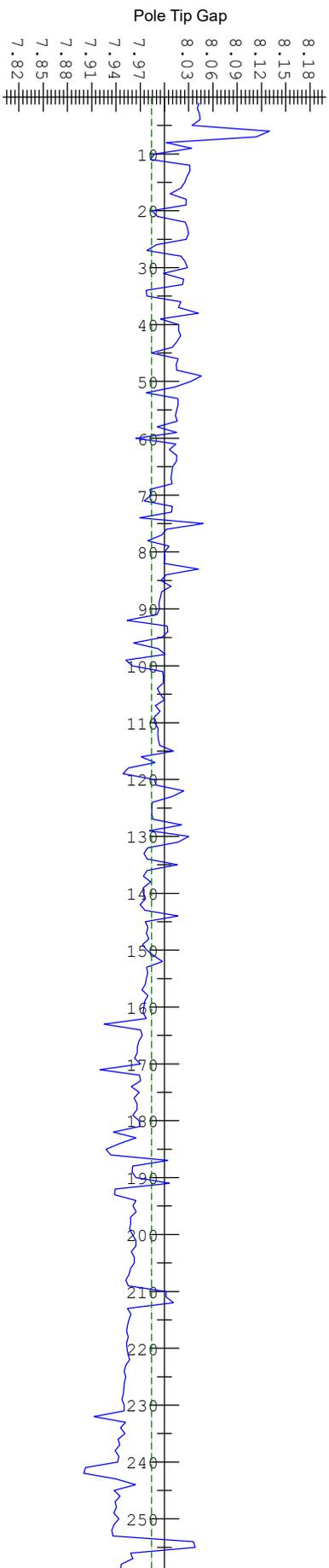
Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8995
US Wall Half :	4.0023	DS Wall Half :	3.9566		
Nom. Taper :	-0.100	US Aisle Half :	4.0051	DS Aisle Half :	3.9558

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Cam Pos.	: B

Gap Mean = 7.984

Gap Min. = 7.900

Gap Max. = 8.130

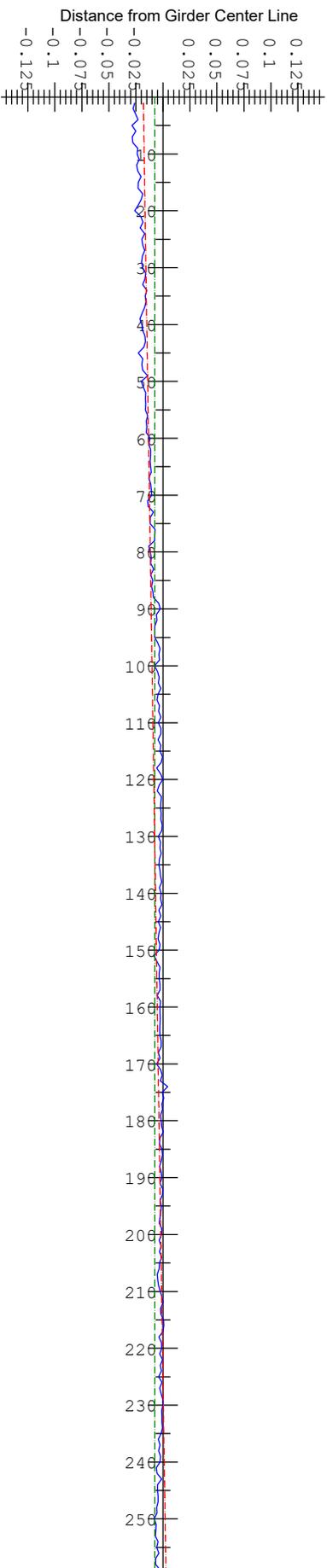


Pole Tip Gap at Nom. Beam Height

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 =

-0.008

Sym. Min. =

-0.029

Sym. Max. =

0.004

Reg. Line Ang. =

0.006

Girder centerline in reference to Pointed Magnets

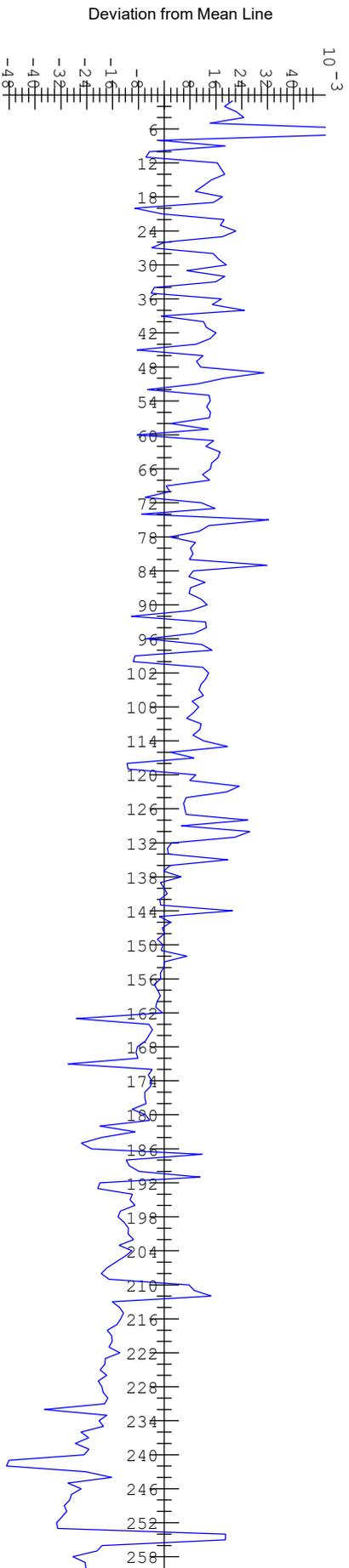
Dimensions in MM, Angles in Milliradians



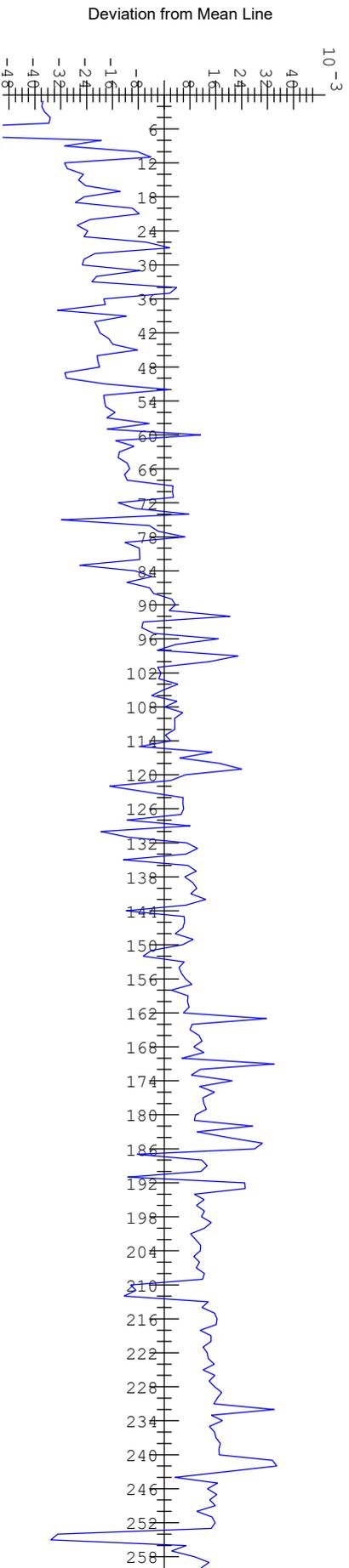
HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	8.000	US Full :	7.9997	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0023	DS Wall Half :	3.9566
		US Aisle Half :	4.0051	DS Aisle Half :	3.9558

S/N	: HXU 017
Date	: 03-NOV-2022
Data Set	: 0002
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 :	7.9997	DS Full :	7.8995
Nom. Taper :	-0.100	US Wall Half :	4.0023	DS Wall Half :	3.9566
		US Aisle Half :	4.0051	DS Aisle Half :	3.9558

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