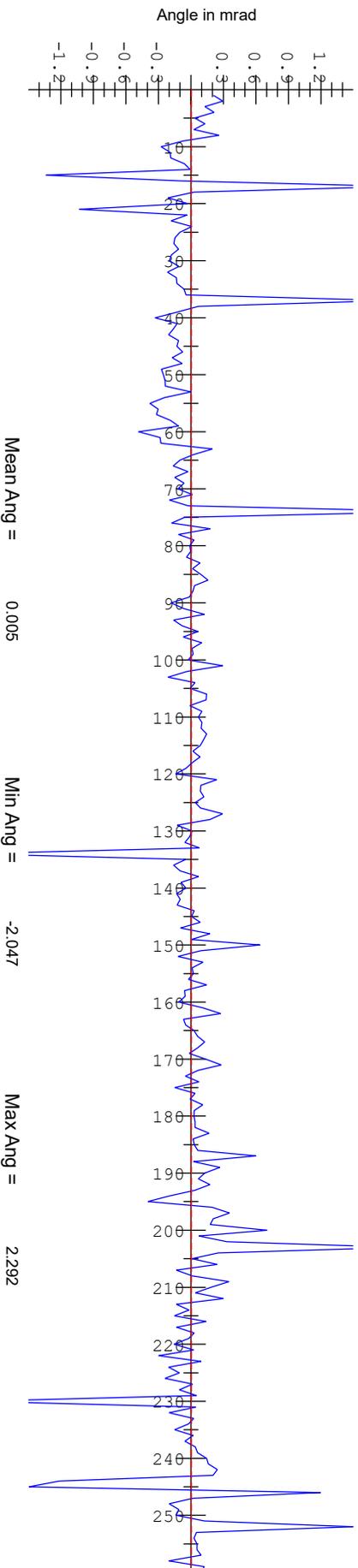


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

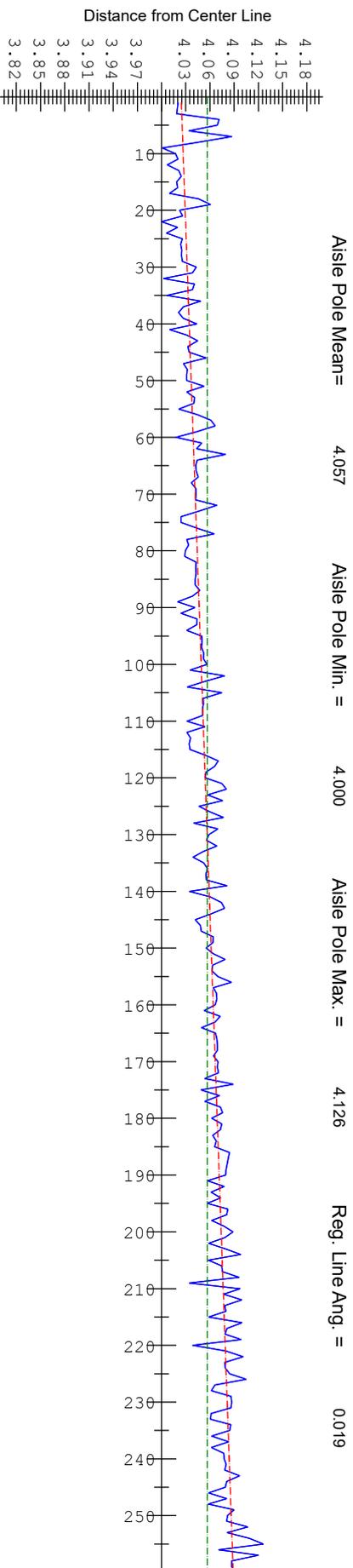


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## HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0003	DS Full :	8.0998
Nom. Taper :	0.100	US Wall Half :	3.9990	DS Wall Half :	4.0501
		US Aisle Half :	3.9997	DS Aisle Half :	4.0465

S/N	: HXU_000
Date	: 30-AUG-2021
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

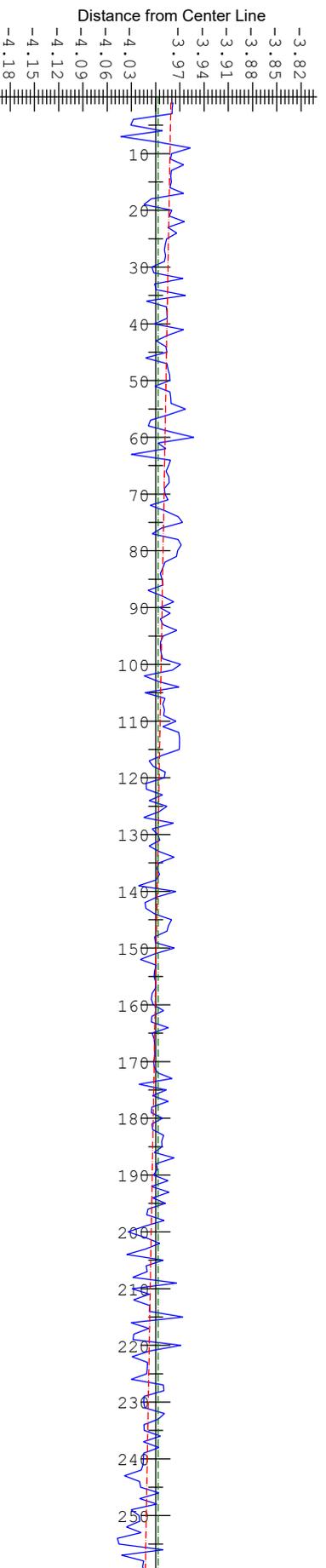


**Aisle Pole Tips at Nom. Beam Height**

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

Pole Tip Num. ----->

Minimum Clearance Gap = 7.906



**Girder centerline in reference to Pointed Magnets**

Dimensions in MM, Angles in Milliradians



**HGVPU - Pole Tip Location from Girder Centerline**

Nominal Gap :	8.000	US Full :	8.0003	DS Full :	8.0998
Nom. Taper :	0.100	US Wall Half :	3.9990	DS Wall Half :	4.0501
		US Aisle Half :	3.9997	DS Aisle Half :	4.0465

S/N	: HXU_000
Date	: 30-AUG-2021
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)	4.025	0.000	8.750	
US Wall Pole Tip(1)	-3.981	0.000	8.750	
US Sym. Pt.	0.022			
US Gap				8.006
DS Aisle Pole Tip(260)	4.089	0.000	3375.750	
DS Wall Pole Tip(260)	-4.013	0.000	3375.750	
DS Sym. Pt.	0.038			
DS Gap				8.102
Taper				0.096

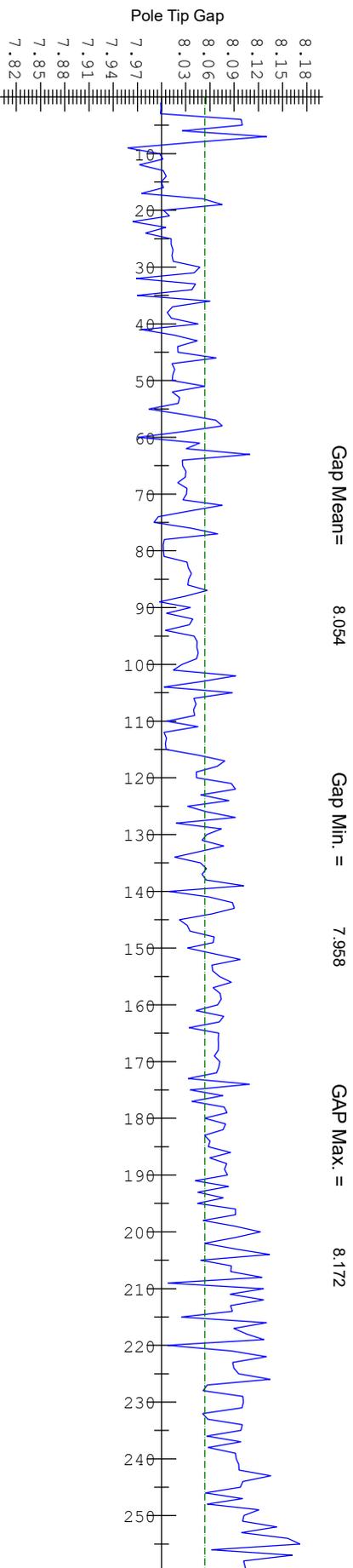
Dimensions in MM



**HGVPU - Gap Calc. from Regression Line End Points**

Nominal Gap :	8.000	US Full :	8.0003	DS Full :	8.0998
US Wall Half :	3.9990	DS Wall Half :	4.0501		
US Aisle Half :	3.9997	DS Aisle Half :	4.0465		
Nom. Taper :	0.100				

S/N	: HXU_000
Date	: 30-AUG-2021
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

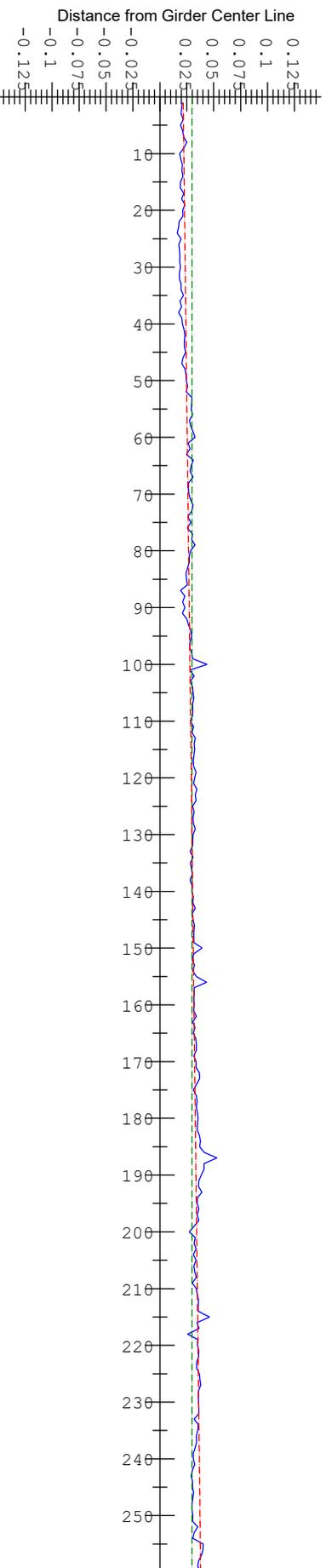


### Pole Tip Gap at Nom. Beam Height

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 :	8.0003	DS Full :	8.0998
Nom. Taper :	0.100	US Wall Half :	3.9990	DS Wall Half :	4.0501
		US Aisle Half :	3.9997	DS Aisle Half :	4.0465

S/N	: HXU_000
Date	: 30-AUG-2021
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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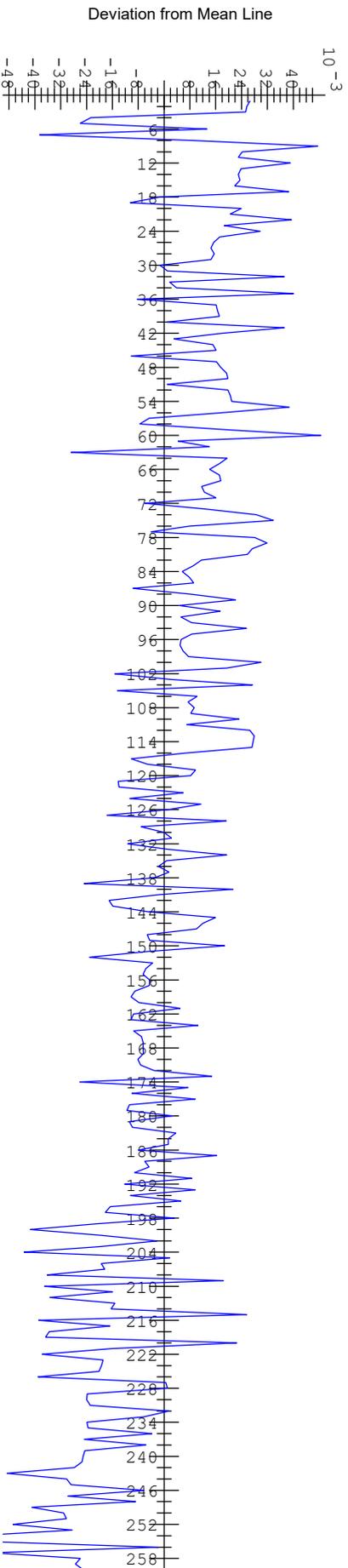
**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap : 8.000 US Full : 8.0003 DS Full : 8.0998  
 Nom. Taper : 0.100 US Wall Half : 3.9990 DS Wall Half : 4.0501  
 US Aisle Half : 3.9997 DS Aisle Half : 4.0465

S/N : HXU\_000  
 Date : 30-AUG-2021  
 Data Set : 0001  
 Run : FINAL  
 Cam Pos. : B

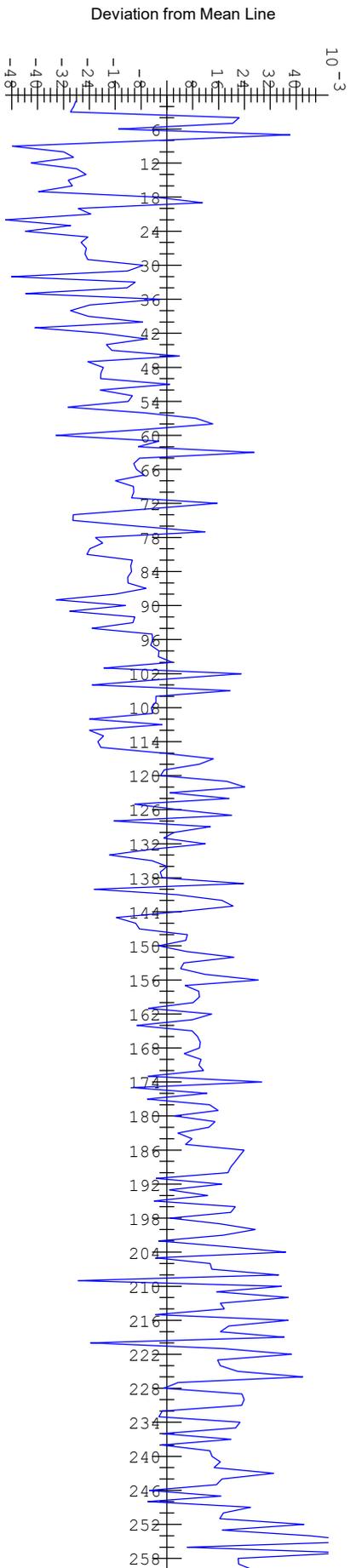
**Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane**

Dimensions in MM



**Wall Pole Tips**

Pole Tip Num. ----->



**Aisle Pole Tips**