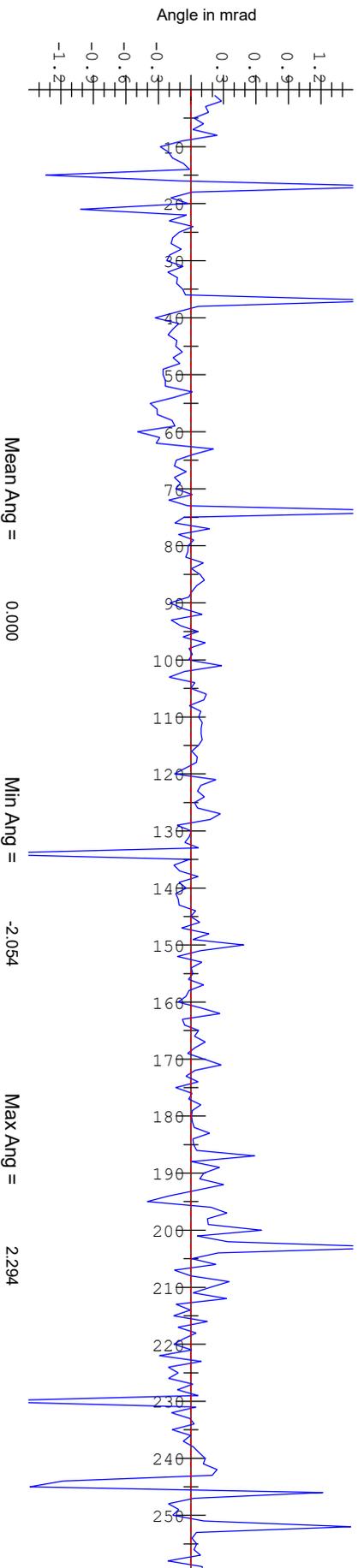


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

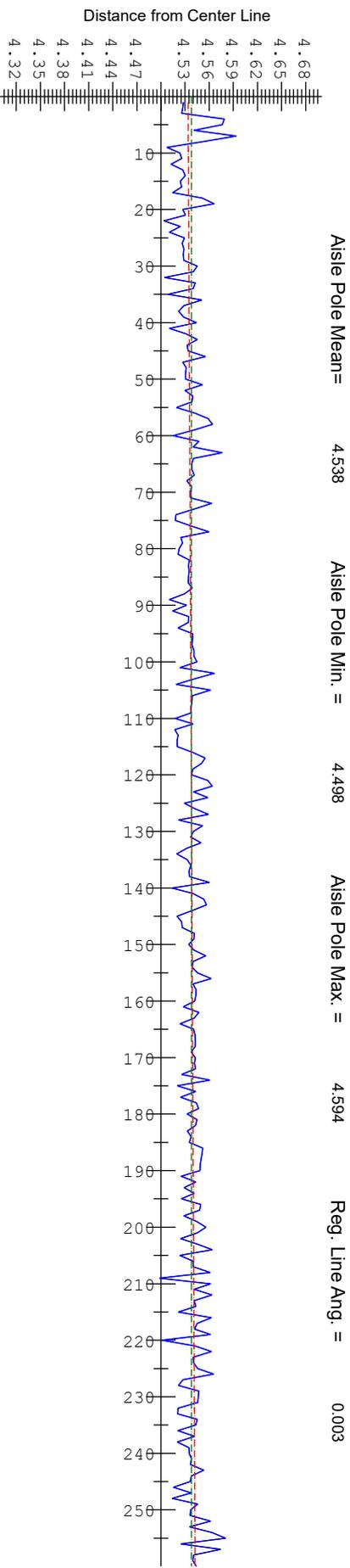


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## HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	9.0002	DS Full :	8.9994
Nom. Taper :	0.000	US Wall Half :	4.4960	DS Wall Half :	4.5019
		US Aisle Half :	4.4998	DS Aisle Half :	4.4933

S/N	: HXU_000
Date	: 27-AUG-2021
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



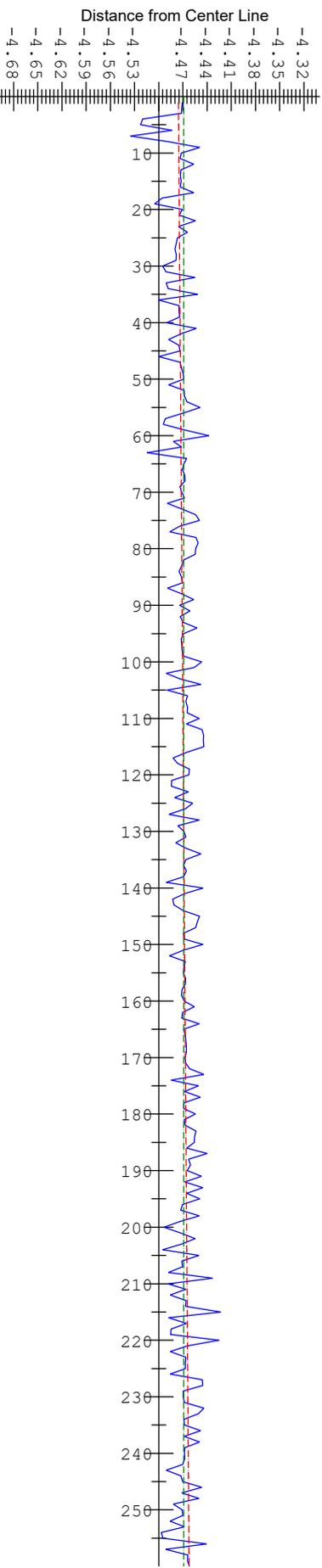
Pole Tip Num. ----->

### 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 = 8.846



### 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 : 9.000      US Full : 9.0002      DS Full : 8.9994  
 US Wall Half : 4.4960      DS Wall Half : 4.5019  
 Nom. Taper : 0.000      US Aisle Half : 4.4998      DS Aisle Half : 4.4933

S/N : **HXU\_000**  
 Date : **27-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
<b>US Aisle Pole Tip(1)</b>	<b>4.534</b>	<b>0.000</b>	<b>8.750</b>	
<b>US Wall Pole Tip(1)</b>	<b>-4.476</b>	<b>0.000</b>	<b>8.750</b>	
<b>US Sym. Pt.</b>	<b>0.029</b>			
<b>US Gap</b>				<b>9.009</b>
<b>DS Aisle Pole Tip(260)</b>	<b>4.542</b>	<b>0.000</b>	<b>3375.750</b>	
<b>DS Wall Pole Tip(260)</b>	<b>-4.462</b>	<b>0.000</b>	<b>3375.750</b>	
<b>DS Sym. Pt.</b>	<b>0.040</b>			
<b>DS Gap</b>				<b>9.005</b>
<b>Taper</b>				<b>-0.004</b>

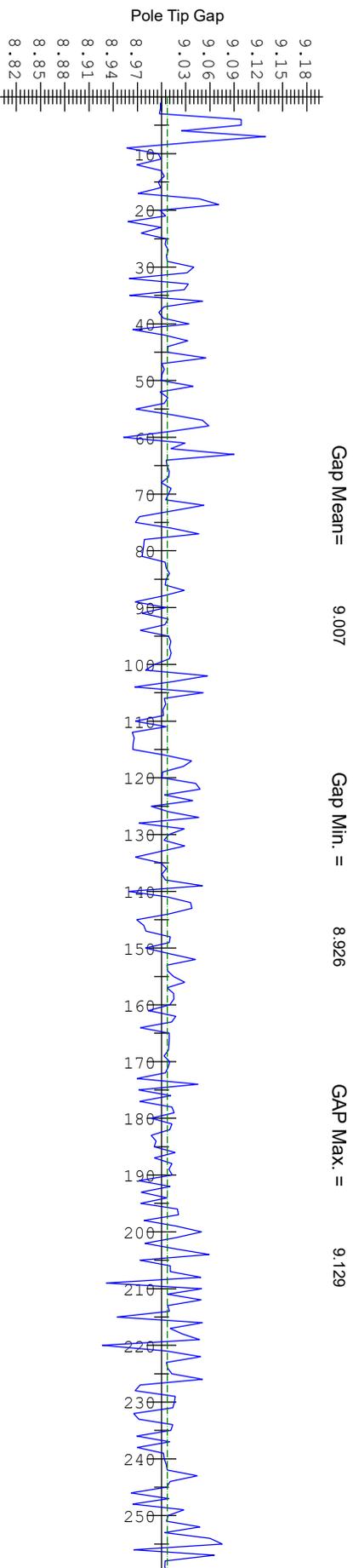
Dimensions in MM



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

<b>Nominal Gap :</b>	<b>9.000</b>	<b>US Full :</b>	<b>9.0002</b>	<b>DS Full :</b>	<b>8.9994</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>4.4960</b>	<b>DS Wall Half :</b>	<b>4.5019</b>
		<b>US Aisle Half :</b>	<b>4.4998</b>	<b>DS Aisle Half :</b>	<b>4.4933</b>

<b>S/N</b>	<b>: HXU_000</b>
<b>Date</b>	<b>: 27-AUG-2021</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: FINAL</b>
<b>Cam Pos.</b>	<b>: B</b>

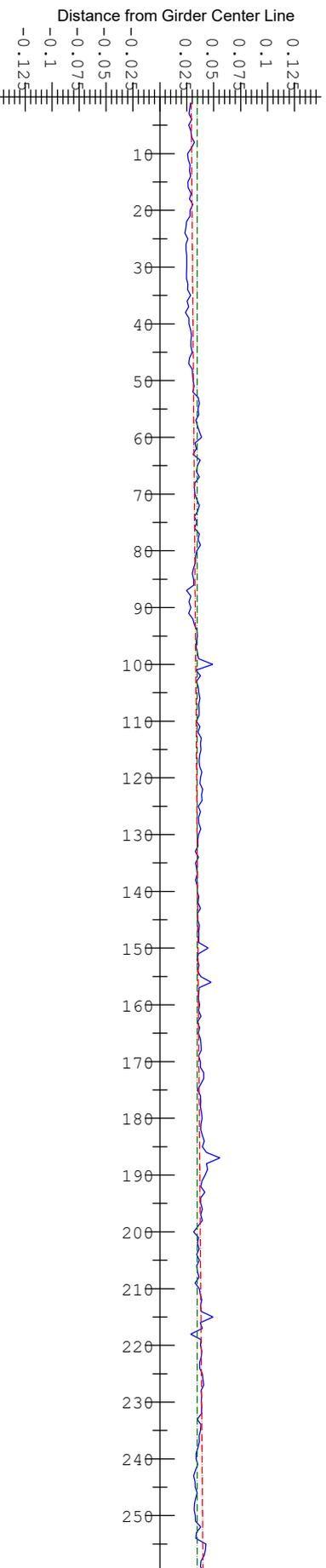


### Pole Tip Gap at Nom. Beam Height

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 :	9.000	US Full :	9.0002	DS Full :	8.9994
Nom. Taper :	0.000	US Wall Half :	4.4960	DS Wall Half :	4.5019
		US Aisle Half :	4.4998	DS Aisle Half :	4.4933

S/N	: HXU_000
Date	: 27-AUG-2021
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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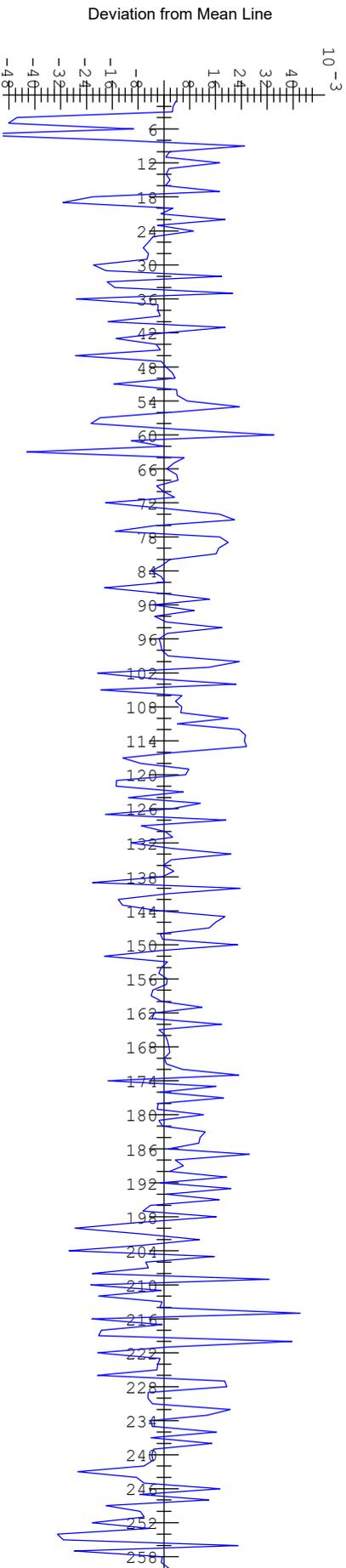
**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap : 9.000 US Full : 9.0002 DS Full : 8.9994  
 Nom. Taper : 0.000 US Wall Half : 4.4960 DS Wall Half : 4.5019  
 US Aisle Half : 4.4998 DS Aisle Half : 4.4933

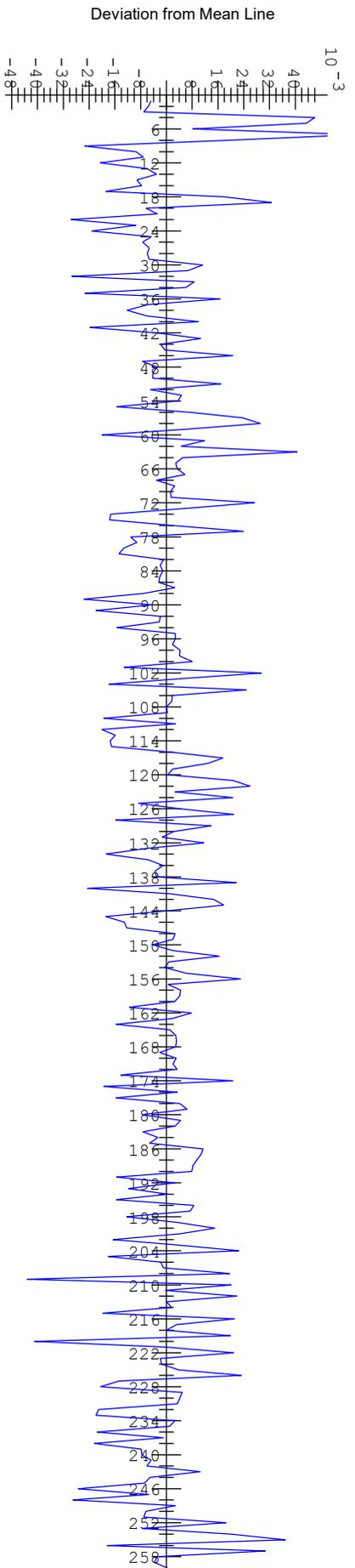
S/N : HXU\_000  
 Date : 27-AUG-2021  
 Data Set : 0001  
 Run : FINAL  
 Cam Pos. : B

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

Dimensions in MM



**Wall Pole Tips**



**Aisle Pole Tips**