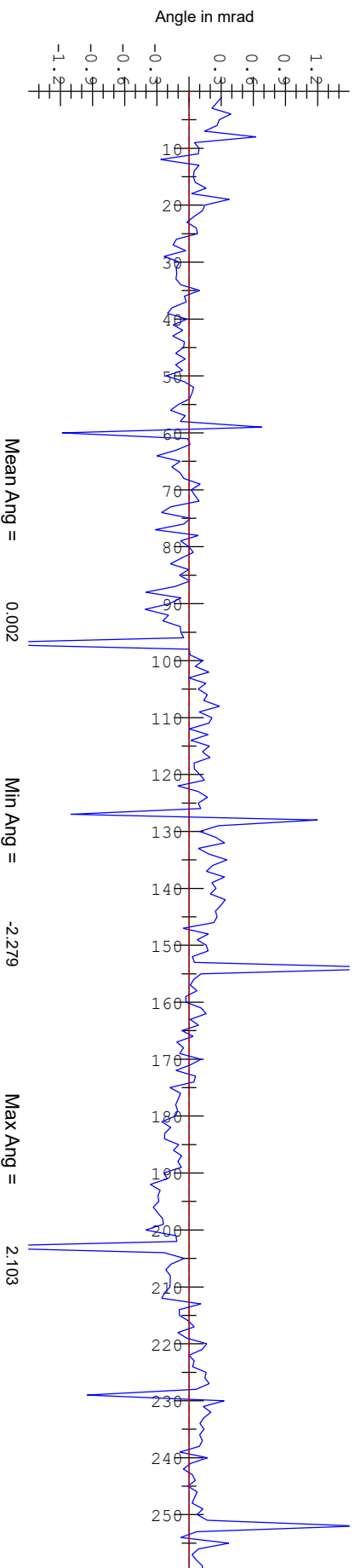


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



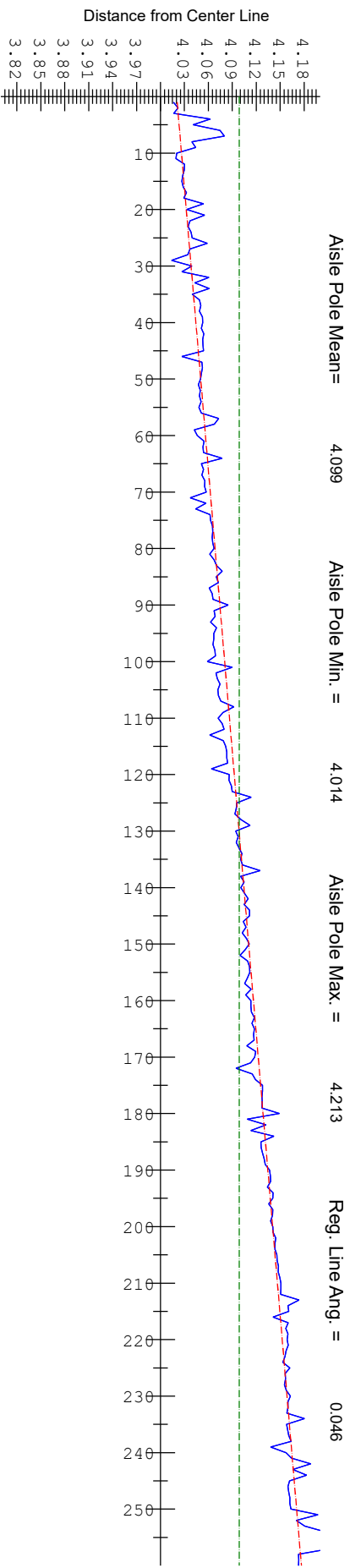
Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Angles

<b>Nominal Gap :</b>	<b>8.000</b>	<b>US Full :</b>	<b>8.0002</b>	<b>DS Full :</b>	<b>8.3001</b>
<b>Nom. Taper :</b>	<b>0.300</b>	<b>US Wall Half :</b>	<b>4.0017</b>	<b>DS Wall Half :</b>	<b>4.1498</b>
		<b>US Aisle Half :</b>	<b>4.0019</b>	<b>DS Aisle Half :</b>	<b>4.1503</b>

<b>S/N</b>	<b>: HXU_032</b>
<b>Date</b>	<b>: 18-AUG-2020</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: FINAL</b>
<b>Cam Pos.</b>	<b>: B</b>



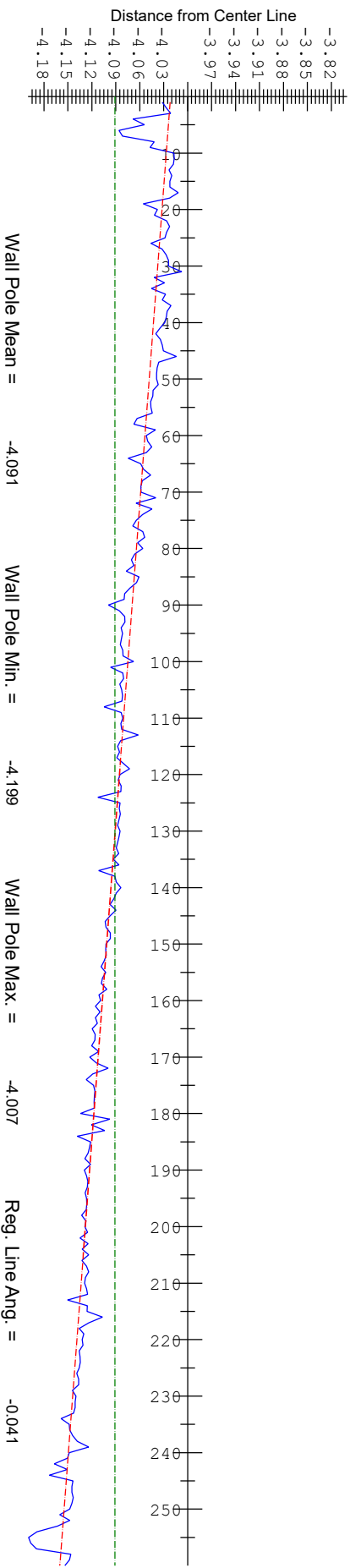
### Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

Minimum Clearance Gap = 8.015

### Wall Pole Tips at Nom. Beam Height



### 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 : 8.0002    DS Full : 8.3001  
 US Wall Half : 4.0017    DS Wall Half : 4.1498  
 Nom. Taper : 0.300    US Aisle Half : 4.0019    DS Aisle Half : 4.1503

S/N : **HXU\_032**  
 Date : **18-AUG-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
<b>US Aisle Pole Tip(1)</b>	<b>4.021</b>	<b>0.000</b>	<b>8.750</b>	
<b>US Wall Pole Tip(1)</b>	<b>-4.022</b>	<b>0.000</b>	<b>8.750</b>	
<b>US Sym. Pt.</b>	<b>0.000</b>			
<b>US Gap</b>				<b>8.043</b>
<b>DS Aisle Pole Tip(260)</b>	<b>4.177</b>	<b>0.000</b>	<b>3375.750</b>	
<b>DS Wall Pole Tip(260)</b>	<b>-4.160</b>	<b>0.000</b>	<b>3375.750</b>	
<b>DS Sym. Pt.</b>	<b>0.008</b>			
<b>DS Gap</b>				<b>8.337</b>
<b>Taper</b>				<b>0.294</b>

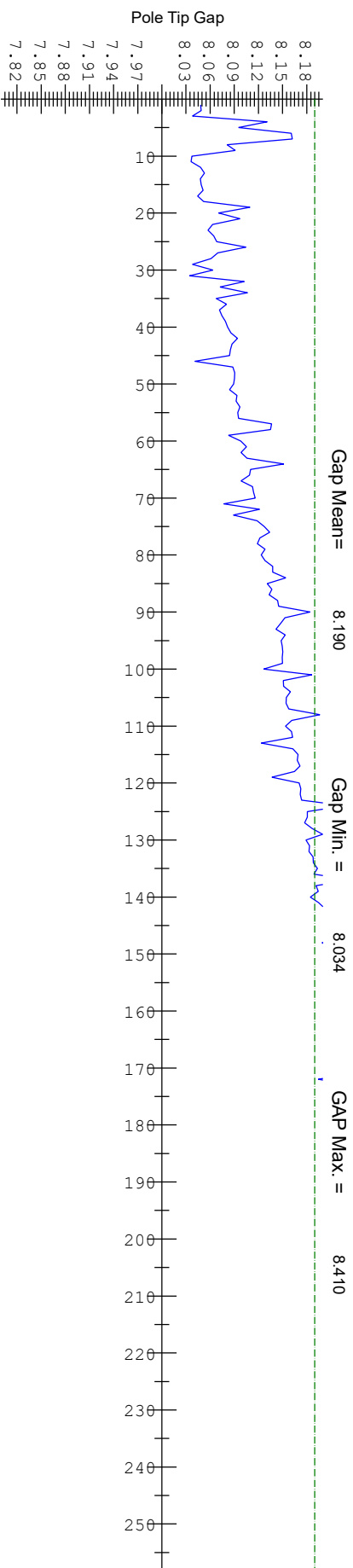
Dimensions in MM



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

<b>Nominal Gap :</b>	<b>8.000</b>	<b>US Full :</b>	<b>8.0002</b>	<b>DS Full :</b>	<b>8.3001</b>
<b>Nom. Taper :</b>	<b>0.300</b>	<b>US Wall Half :</b>	<b>4.0017</b>	<b>DS Wall Half :</b>	<b>4.1498</b>
		<b>US Aisle Half :</b>	<b>4.0019</b>	<b>DS Aisle Half :</b>	<b>4.1503</b>

<b>S/N</b>	<b>: HXU_032</b>
<b>Date</b>	<b>: 18-AUG-2020</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: FINAL</b>
<b>Cam Pos.</b>	<b>: B</b>

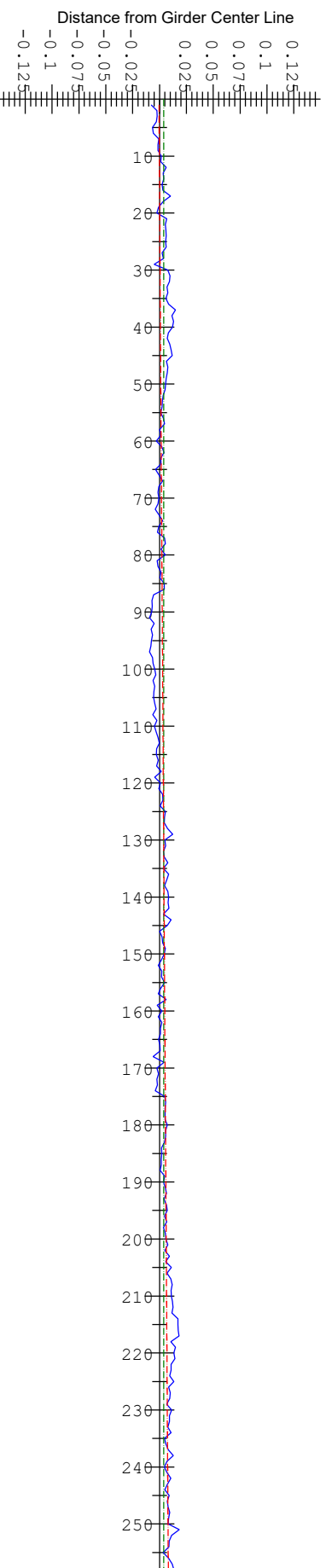


### Pole Tip Gap at Nom. Beam Height

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 :	8.000	US Full :	8.0002	DS Full :	8.3001
Nom. Taper :	0.300	US Wall Half :	4.0017	DS Wall Half :	4.1498
		US Aisle Half :	4.0019	DS Aisle Half :	4.1503

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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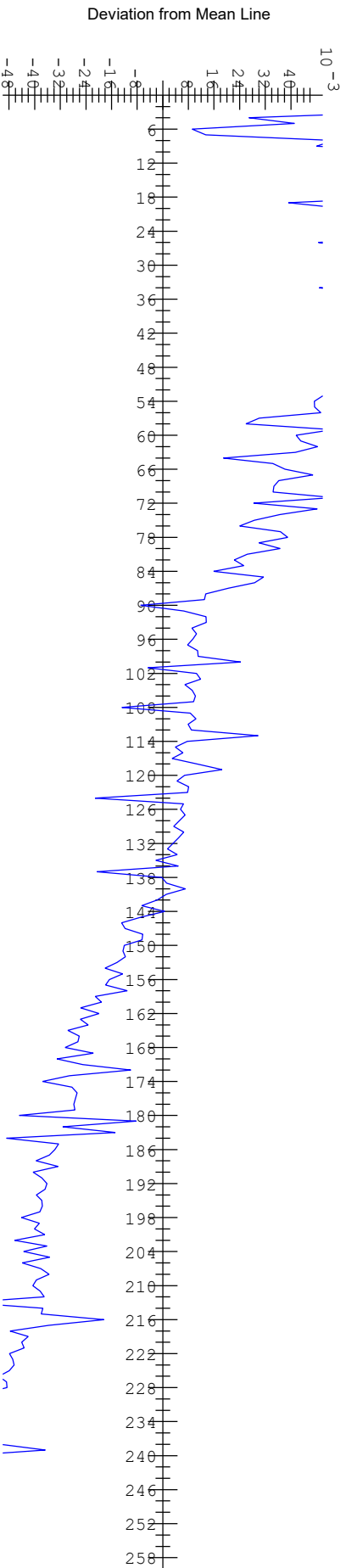
**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap : 8.000 US Full : 8.0002 DS Full : 8.3001  
 Nom. Taper : 0.300 US Wall Half : 4.0017 DS Wall Half : 4.1498  
 US Aisle Half : 4.0019 DS Aisle Half : 4.1503

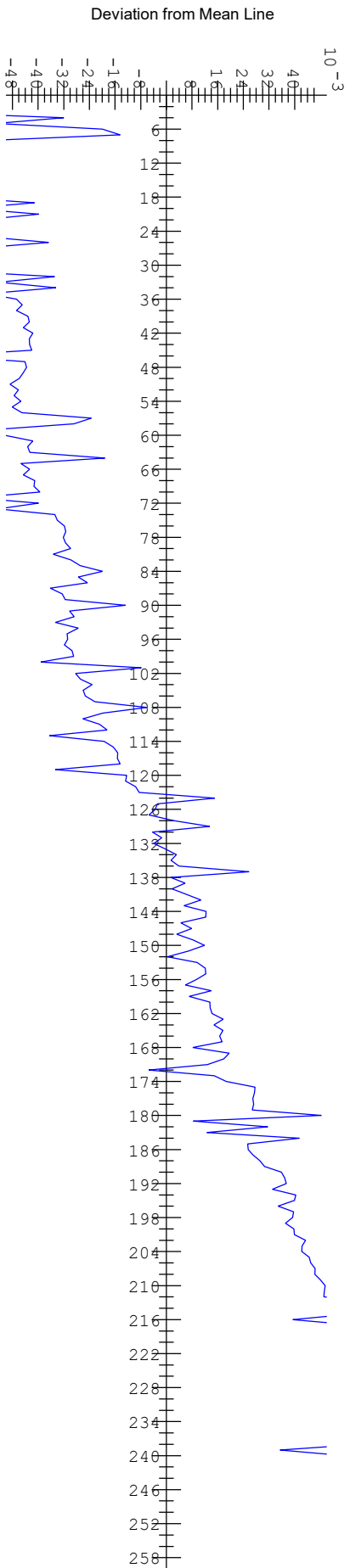
**Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane**

Dimensions in MM

S/N : HXU\_032  
 Date : 18-AUG-2020  
 Data Set : 0001  
 Run : FINAL  
 Cam Pos. : B



**Wall Pole Tips**



**Aisle Pole Tips**