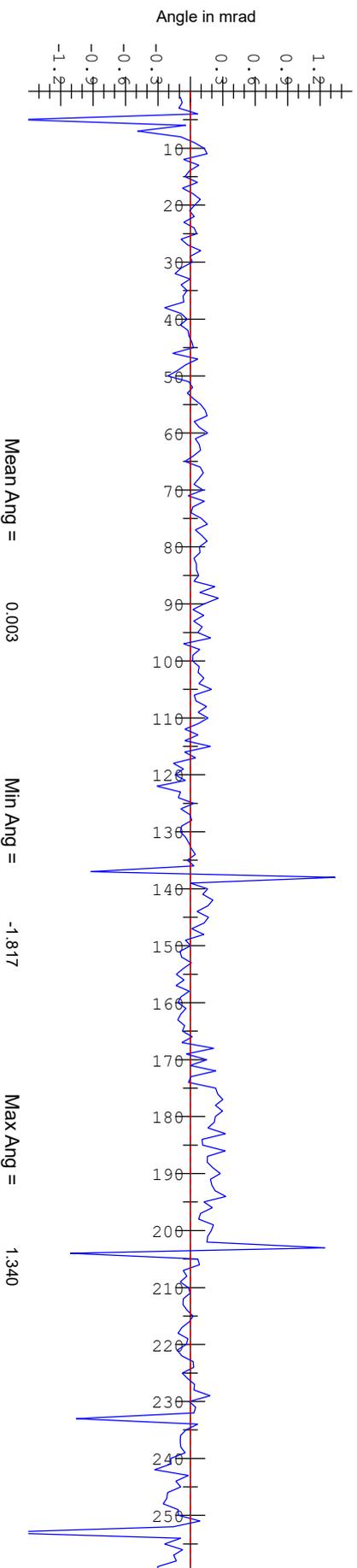


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



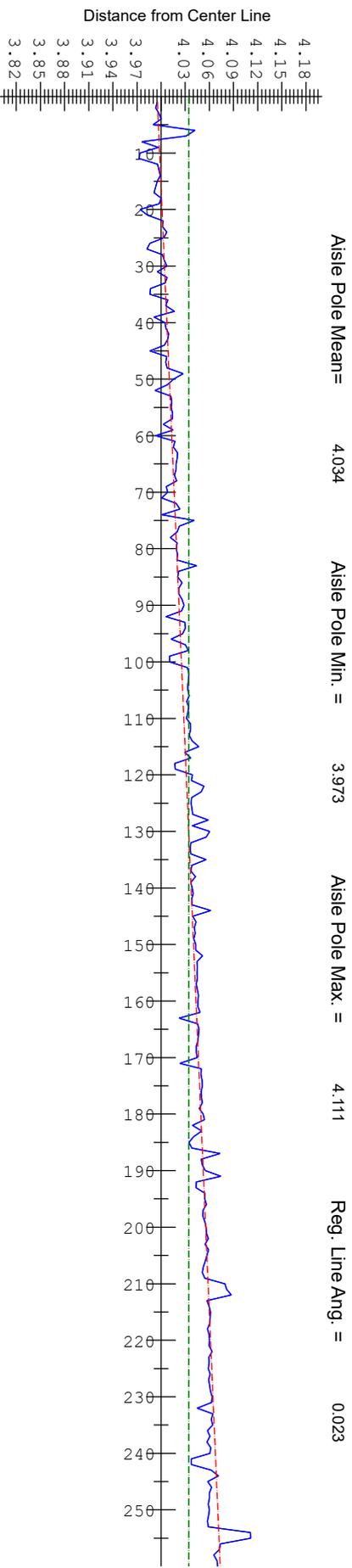
Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Angles

<b>Nominal Gap :</b>	<b>8.000</b>	<b>US Full :</b>	<b>8.0000</b>	<b>DS Full :</b>	<b>8.1001</b>
<b>Nom. Taper :</b>	<b>0.100</b>	<b>US Wall Half :</b>	<b>4.0038</b>	<b>DS Wall Half :</b>	<b>4.0563</b>
		<b>US Aisle Half :</b>	<b>4.0041</b>	<b>DS Aisle Half :</b>	<b>4.0550</b>

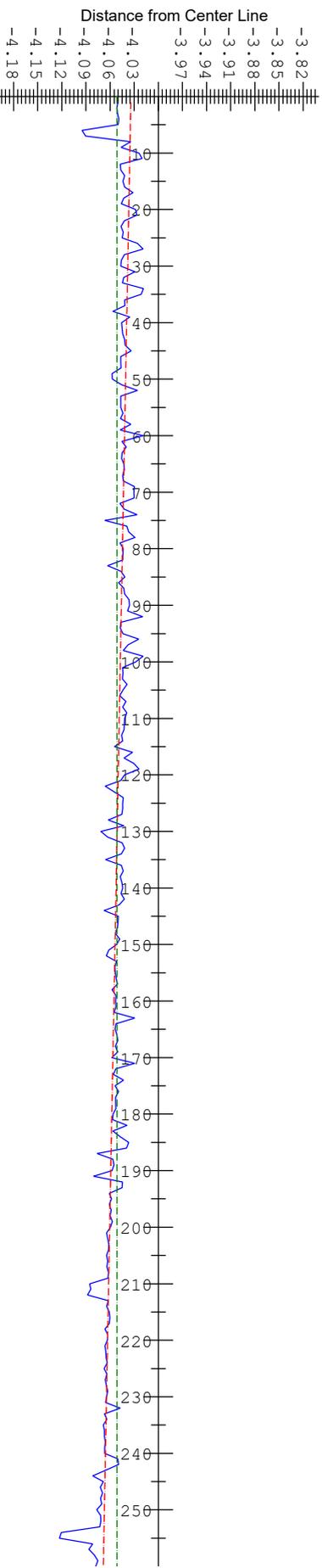
<b>S/N</b>	<b>: HXU 017</b>
<b>Date</b>	<b>: 03-NOV-2022</b>
<b>Data Set</b>	<b>: 0002</b>
<b>Run</b>	<b>: FINAL</b>
<b>Cam Pos.</b>	<b>: B</b>



Pole Tip Num. ----->

### Aisle Pole Tips at Nom. Beam Height

### 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 :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0038	DS Wall Half :	4.0563
		US Aisle Half :	4.0041	DS Aisle Half :	4.0550

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)	-4.034	0.000	8.750	
US Sym. Pt.	-0.019			
US Gap				8.030
DS Aisle Pole Tip(260)	4.073	0.000	3375.750	
DS Wall Pole Tip(260)	-4.068	0.000	3375.750	
DS Sym. Pt.	0.003			
DS Gap				8.142
Taper				0.112

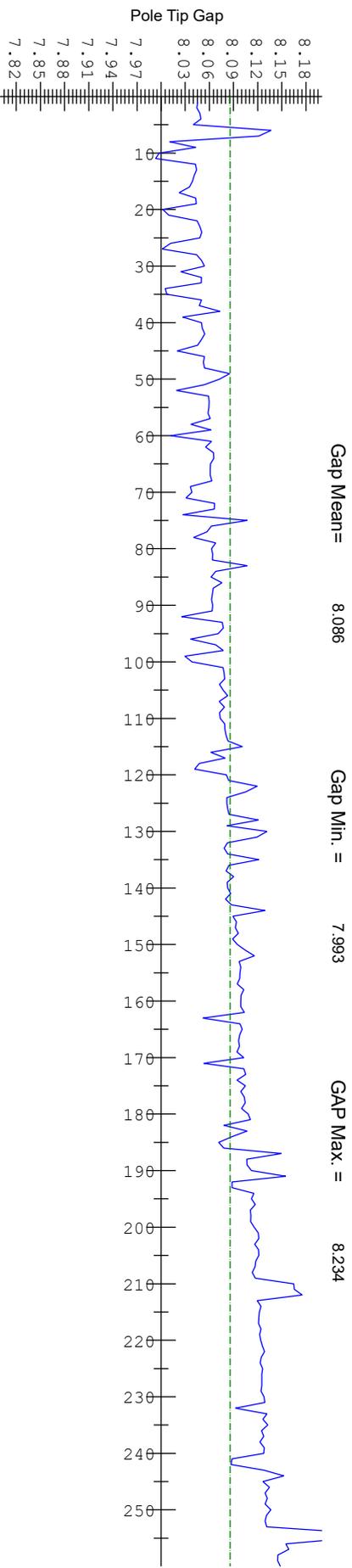
Dimensions in MM



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

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0038	DS Wall Half :	4.0563
		US Aisle Half :	4.0041	DS Aisle Half :	4.0550

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

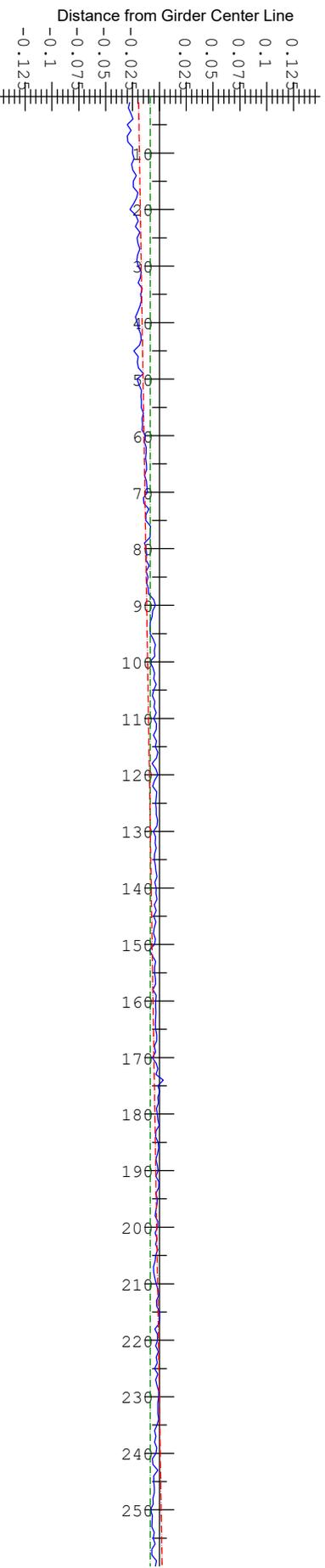


### Pole Tip Gap at Nom. Beam Height

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 :	8.0000	DS Full :	8.1001
Nom. Taper :	0.100	US Wall Half :	4.0038	DS Wall Half :	4.0563
		US Aisle Half :	4.0041	DS Aisle Half :	4.0550

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



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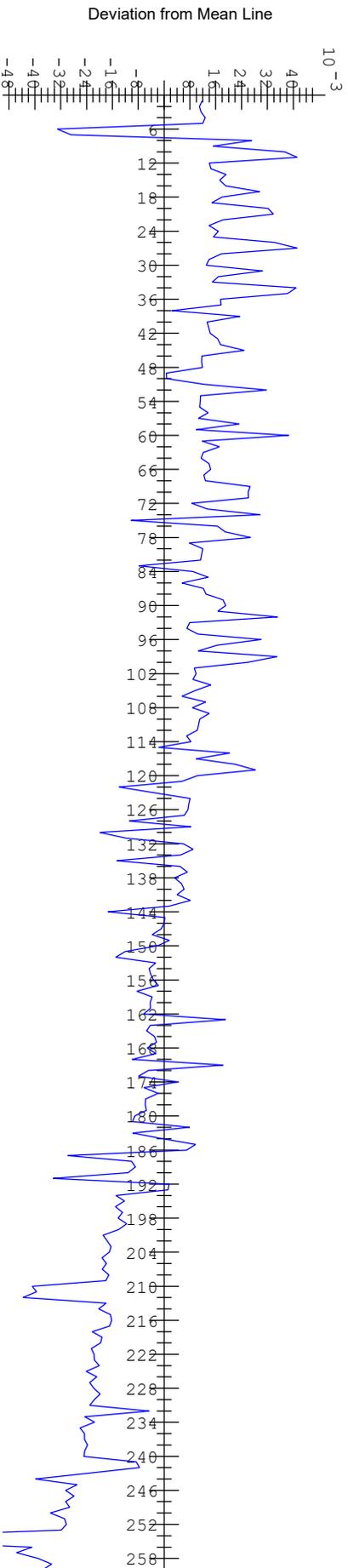
**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap : 8.000 US Full : 8.0000 DS Full : 8.1001  
 Nom. Taper : 0.100 US Wall Half : 4.0038 DS Wall Half : 4.0563  
 US Aisle Half : 4.0041 DS Aisle Half : 4.0550

S/N : HXU\_017  
 Date : 03-NOV-2022  
 Data Set : 0002  
 Run : FINAL  
 Cam Pos. : B

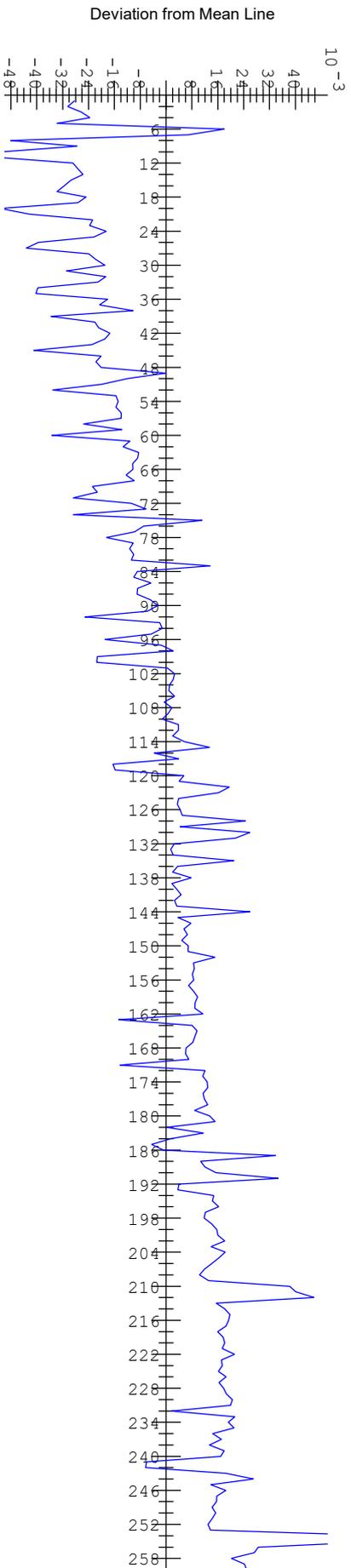
**Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane**

Dimensions in MM



Pole Tip Num. ----->

**Wall Pole Tips**



**Aisle Pole Tips**