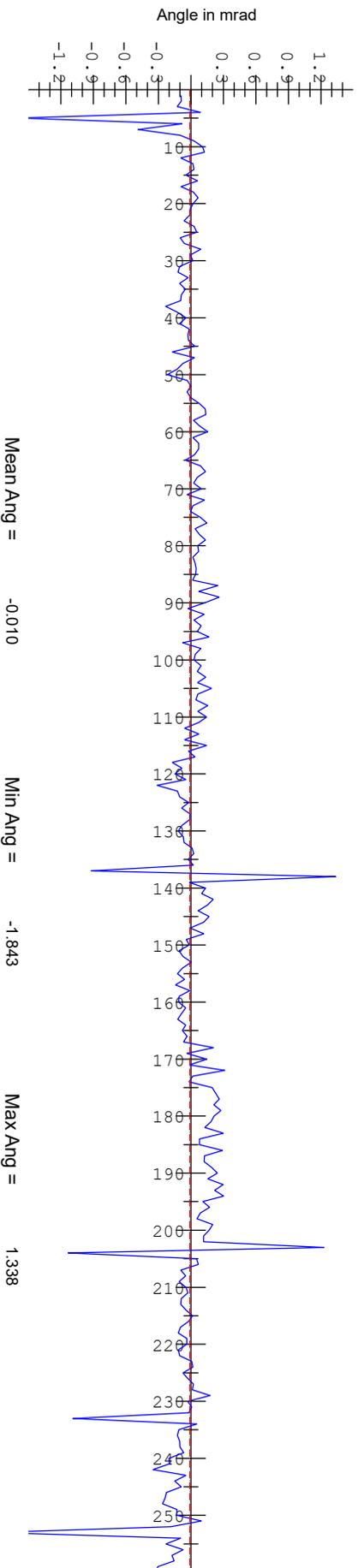


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



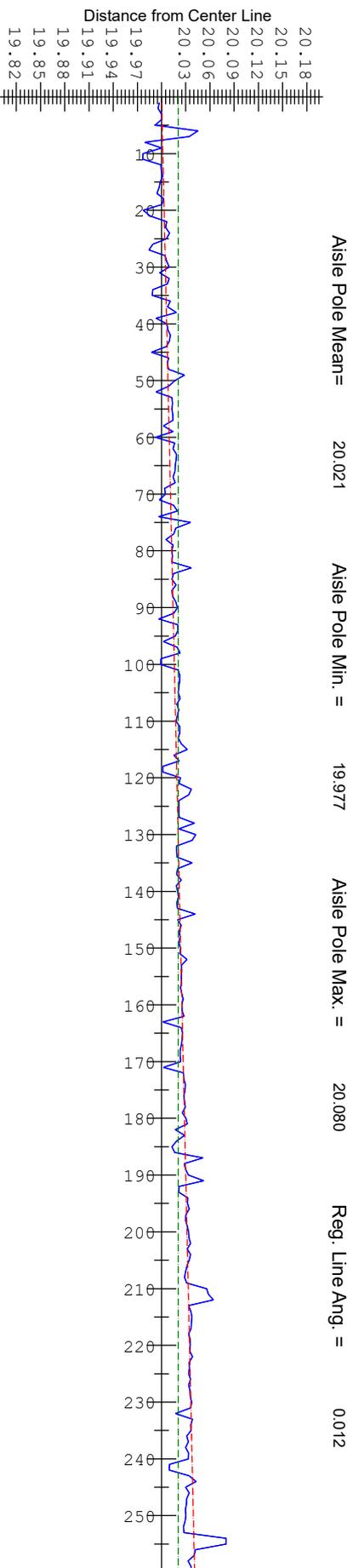
Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Angles

<b>Nominal Gap :</b>	<b>40.000</b>	<b>US Full :</b>	<b>40.0000</b>	<b>DS Full :</b>	<b>40.0005</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>19.9923</b>	<b>DS Wall Half :</b>	<b>19.9919</b>
		<b>US Aisle Half :</b>	<b>19.9921</b>	<b>DS Aisle Half :</b>	<b>19.9921</b>

<b>S/N</b>	<b>: HXU 017</b>
<b>Date</b>	<b>: 02-OCT-2020</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: FINAL</b>
<b>Cam Pos.</b>	<b>: B</b>

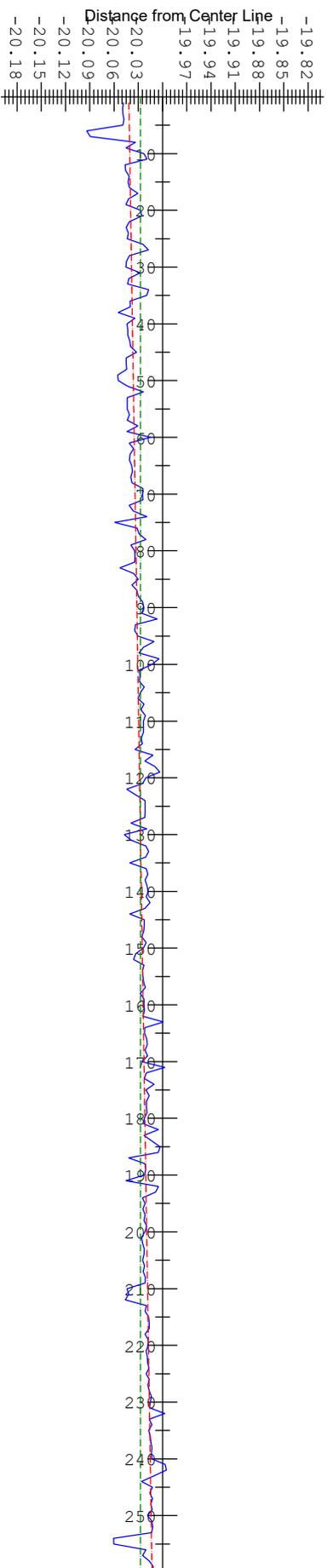


Aisle Pole Mean = 20.021  
 Aisle Pole Min. = 19.977  
 Aisle Pole Max. = 20.080  
 Reg. Line Ang. = 0.012

### Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 39.953



Wall Pole Mean = -20.027  
 Wall Pole Min. = -20.094  
 Wall Pole Max. = -19.995  
 Reg. Line Ang. = 0.008

### Wall Pole Tips at Nom. Beam Height

## Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	40.000	US Full :	40.0000	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9923	DS Wall Half :	19.9919
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

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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)	20.000	0.000	8.750	
US Wall Pole Tip(1)	-20.042	0.000	8.750	
US Sym. Pt.	-0.021			
US Gap				40.042
DS Aisle Pole Tip(260)	20.041	0.000	3375.750	
DS Wall Pole Tip(260)	-20.013	0.000	3375.750	
DS Sym. Pt.	0.014			
DS Gap				40.054
Taper				0.012

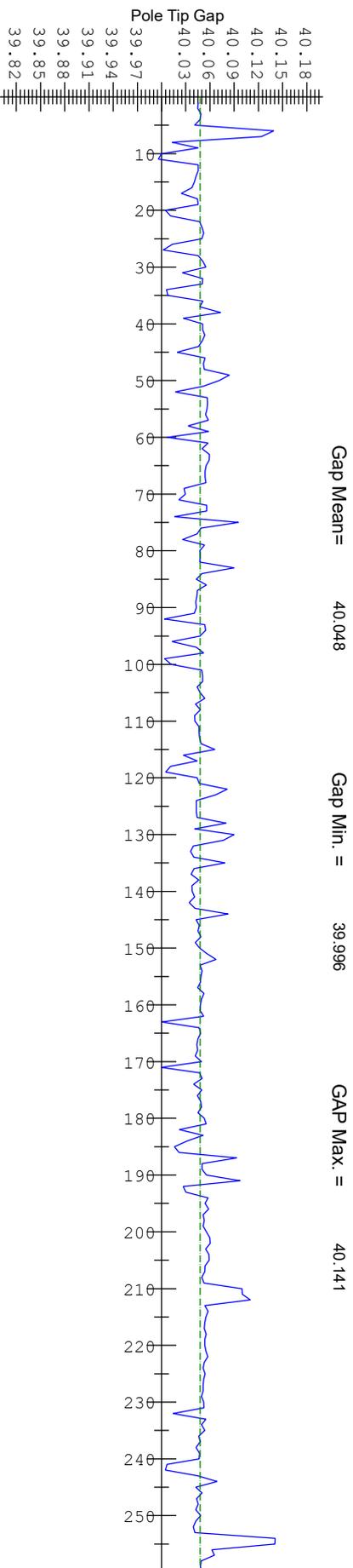
Dimensions in MM



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

Nominal Gap :	40.000	US Full :	40.0000	DS Full :	40.0005
US Wall Half :	19.9923	US Wall Half :	19.9923	DS Wall Half :	19.9919
US Aisle Half :	19.9921	US Aisle Half :	19.9921	DS Aisle Half :	19.9921
Nom. Taper :	0.000				

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

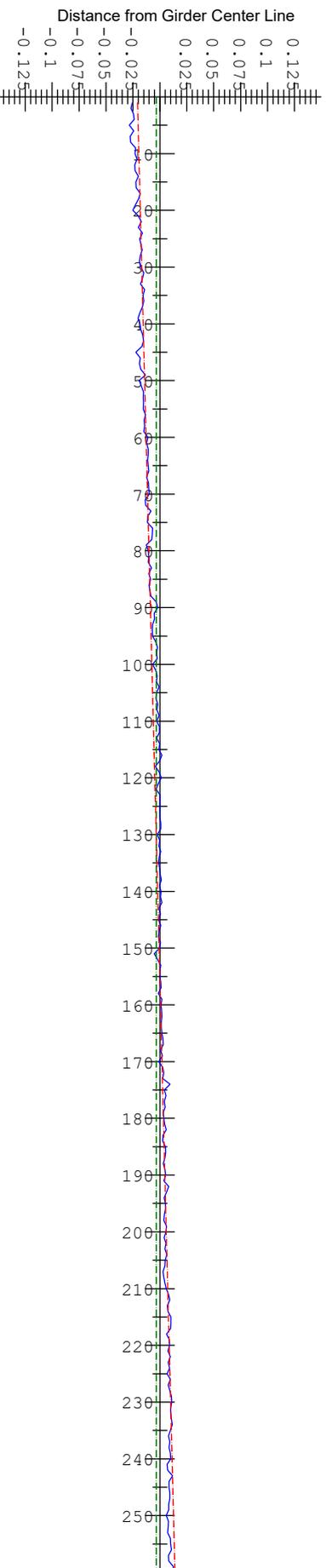


### Pole Tip Gap at Nom. Beam Height

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

Pole Tip Num. ----->

### Pole Tip Symmetry Point at Nom. Beam Height



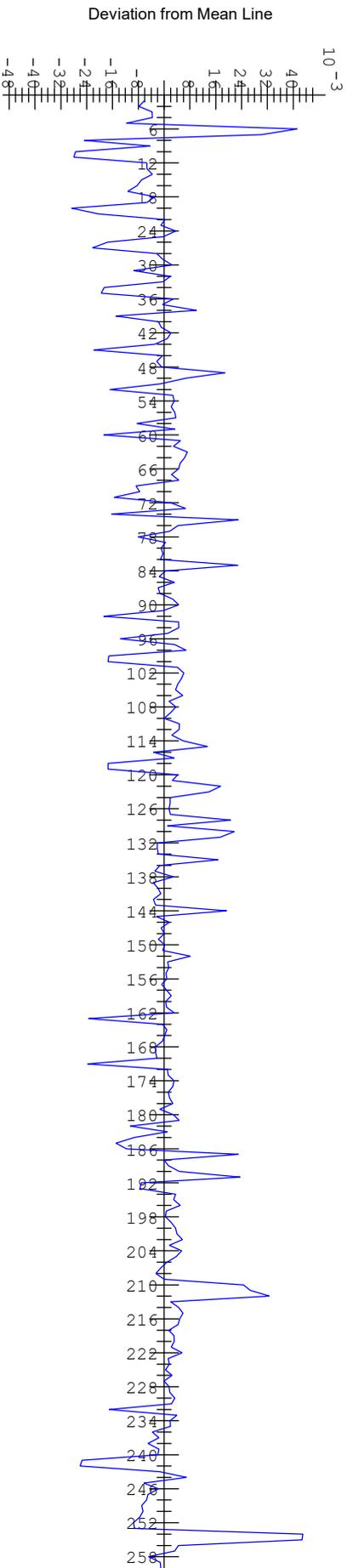
### Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

## HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	40.000	US Full :	40.0000	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9923	DS Wall Half :	19.9919
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

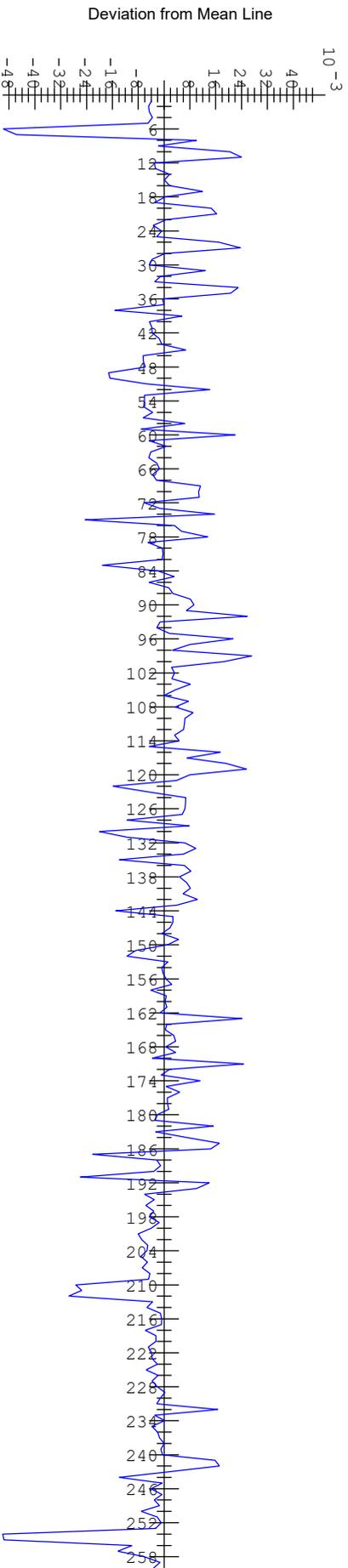
S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



### Aisle Pole Tips

Pole Tip Num. ----->

### 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 :	40.000	US Full :	40.0000	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9923	DS Wall Half :	19.9919
		US Aisle Half :	19.9921	DS Aisle Half :	19.9921

S/N	: HXU_017
Date	: 02-OCT-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B