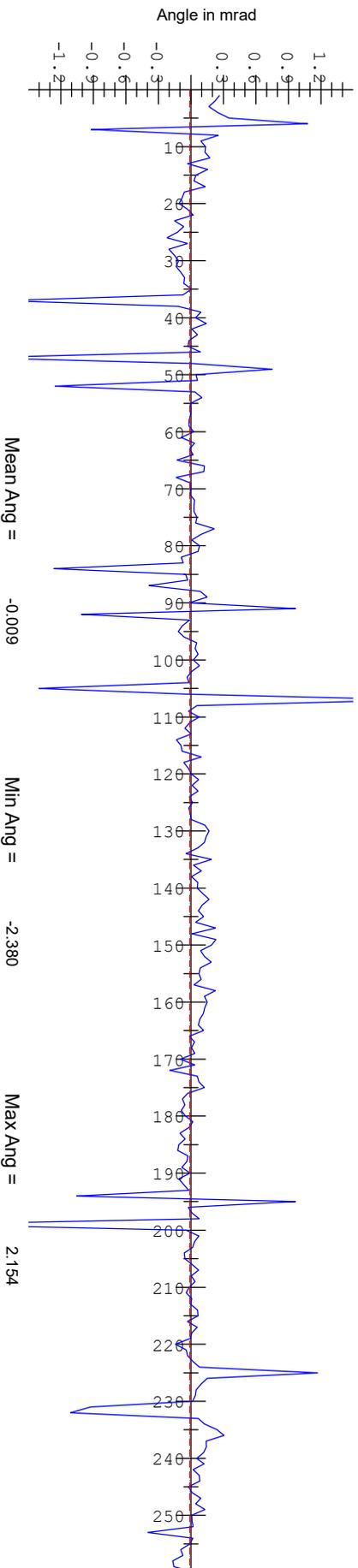


### Included Angle Between Pole Tips

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 :** 40.000    **US Full :** 40.0001    **DS Full :** 40.0005

**Nom. Taper :** 0.000    **US Wall Half :** 19.9920    **DS Wall Half :** 19.9908

**US Aisle Half :** 19.9906    **DS Aisle Half :** 19.9876

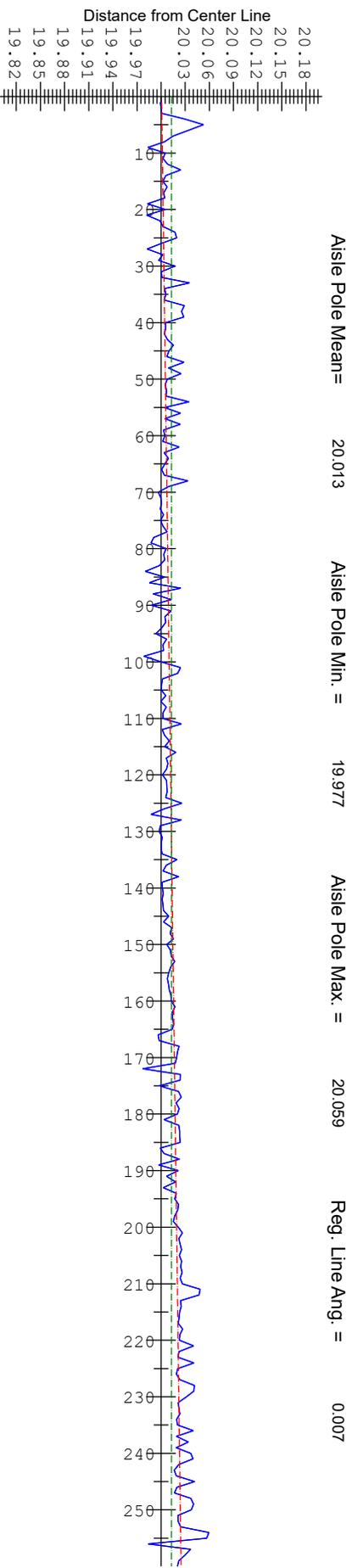
**S/N :** HXU 015

**Date :** 05-NOV-2020

**Data Set :** 0001

**Run :** FINAL

**Cam Pos. :** B



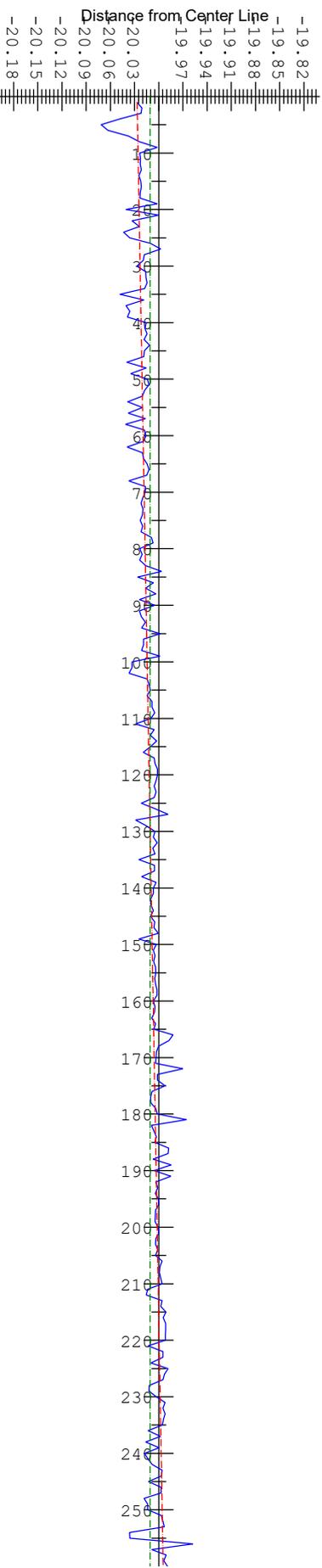
Pole Tip Num. ----->

### 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 = 39.915



### 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 : 40.000      US Full : 40.0001      DS Full : 40.0005

Nom. Taper : 0.000      US Wall Half : 19.9920      DS Wall Half : 19.9908

US Aisle Half : 19.9906      DS Aisle Half : 19.9876

S/N : HXU 015

Date : 05-NOV-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
US Aisle Pole Tip(1)	20.001	0.000	8.750	
US Wall Pole Tip(1)	-20.027	0.000	8.750	
US Sym. Pt.	-0.013			
US Gap				40.028
DS Aisle Pole Tip(260)	20.025	0.000	3375.750	
DS Wall Pole Tip(260)	-19.994	0.000	3375.750	
DS Sym. Pt.	0.015			
DS Gap				40.019
Taper				-0.008

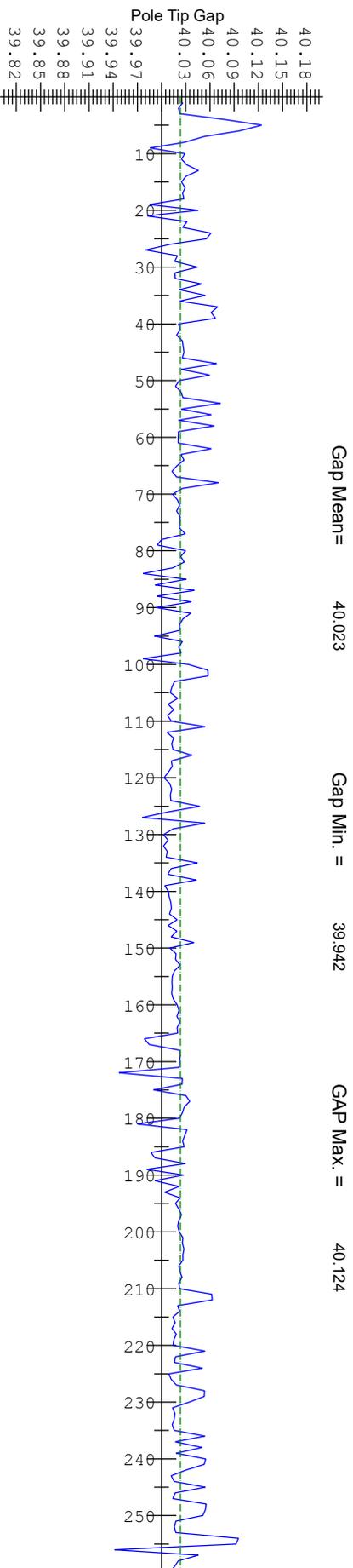
Dimensions in MM



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

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0005
Norm. Taper :	0.000	US Wall Half :	19.9920	DS Wall Half :	19.9908
		US Aisle Half :	19.9906	DS Aisle Half :	19.9876

S/N	: HXU_015
Date	: 05-NOV-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

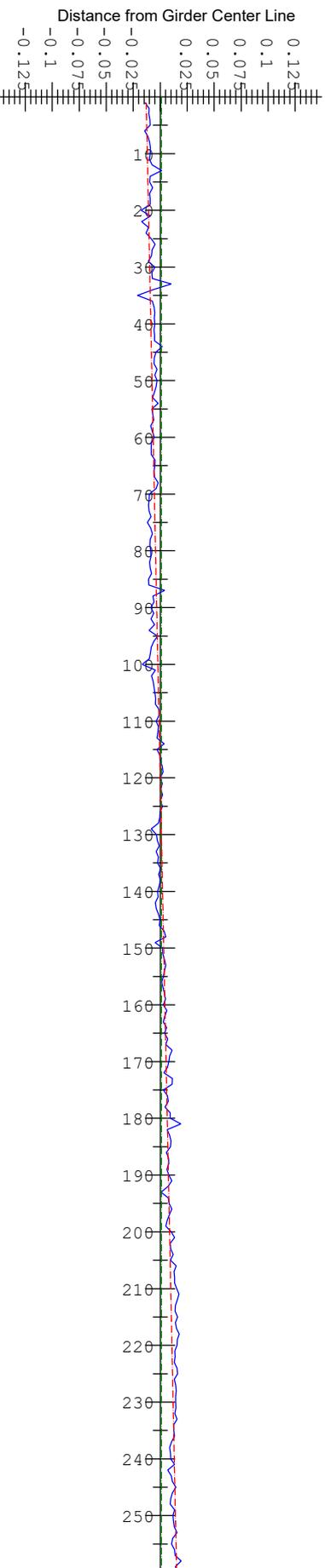


### Pole Tip Gap at Nom. Beam Height

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

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## HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap : 40.000      US Full : 40.0001      DS Full : 40.0005

Nom. Taper : 0.000      US Wall Half : 19.9920      DS Wall Half : 19.9908

US Aisle Half : 19.9906      DS Aisle Half : 19.9876

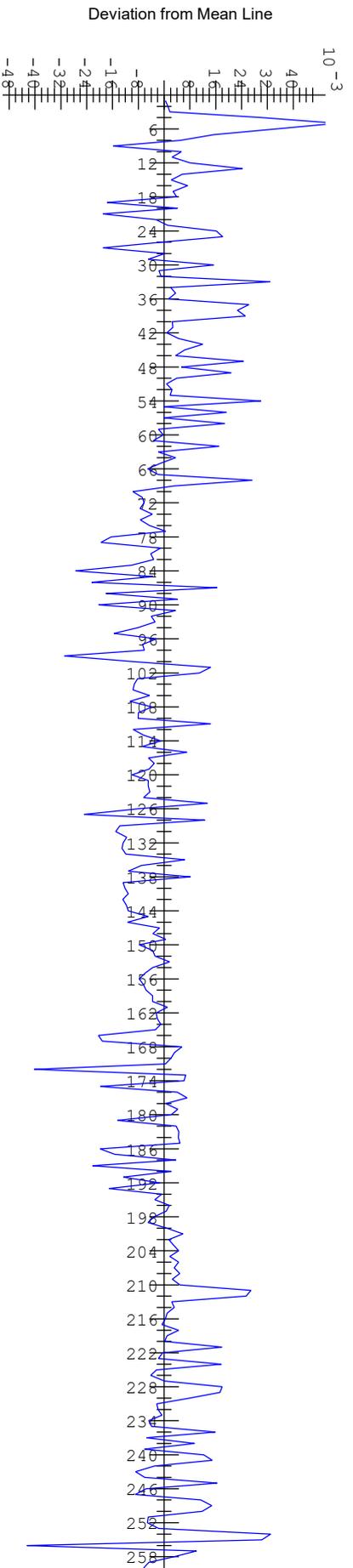
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Date : 05-NOV-2020

Data Set : 0001

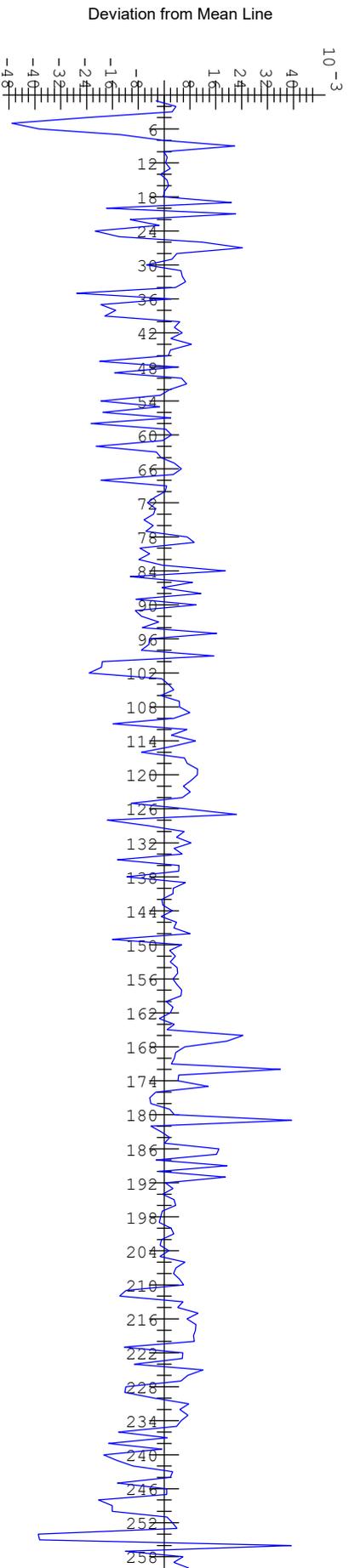
Run : FINAL

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 :	40.0001	DS Full :	40.0005
Nom. Taper :	0.000	US Wall Half :	19.9920	DS Wall Half :	19.9908
		US Aisle Half :	19.9906	DS Aisle Half :	19.9876

S/N	: HXU 015
Date	: 05-NOV-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B