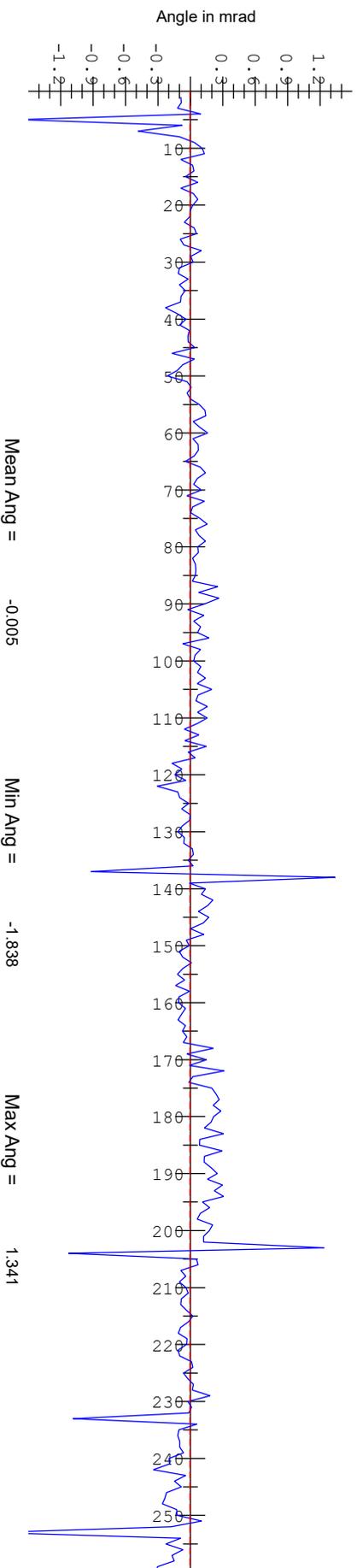


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

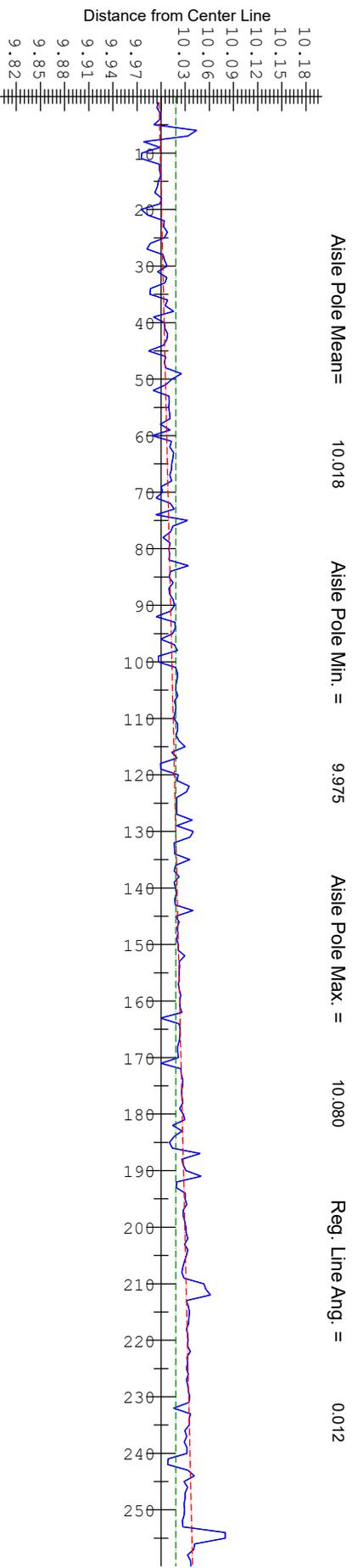


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## HGVPU - Pole Tip Angles

Nominal Gap :	20.000	US Full :	20.0000	DS Full :	20.0004
Nom. Taper :	0.000	US Wall Half :	9.9932	DS Wall Half :	9.9924
		US Aisle Half :	9.9927	DS Aisle Half :	9.9934

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



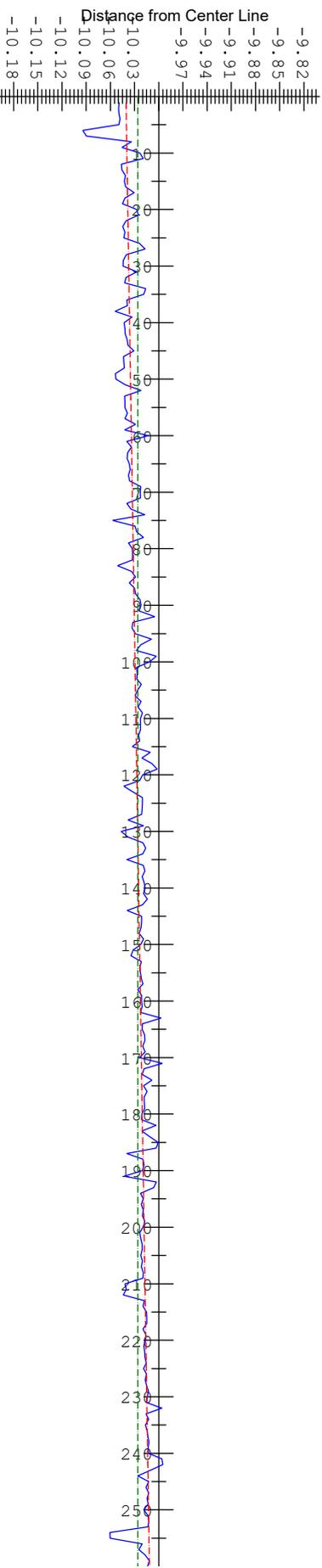
Pole Tip Num. ----->

### 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 = 19.950



### 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 : 20.000      US Full : 20.0000      DS Full : 20.0004

Nom. Taper : 0.000      US Wall Half : 9.9932      DS Wall Half : 9.9924

US Aisle Half : 9.9927      DS Aisle Half : 9.9934

S/N : HXU 017

Date : 02-OCT-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)	9.998	0.000	8.750	
US Wall Pole Tip(1)	-10.041	0.000	8.750	
US Sym. Pt.	-0.022			
US Gap				20.038
DS Aisle Pole Tip(260)	10.039	0.000	3375.750	
DS Wall Pole Tip(260)	-10.012	0.000	3375.750	
DS Sym. Pt.	0.014			
DS Gap				20.051
Taper				0.013

Dimensions in MM



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

Nominal Gap :	20.000	US Full :	20.0000	DS Full :	20.0004
Nom. Taper :	0.000	US Wall Half :	9.9932	DS Wall Half :	9.9924
		US Aisle Half :	9.9927	DS Aisle Half :	9.9934

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





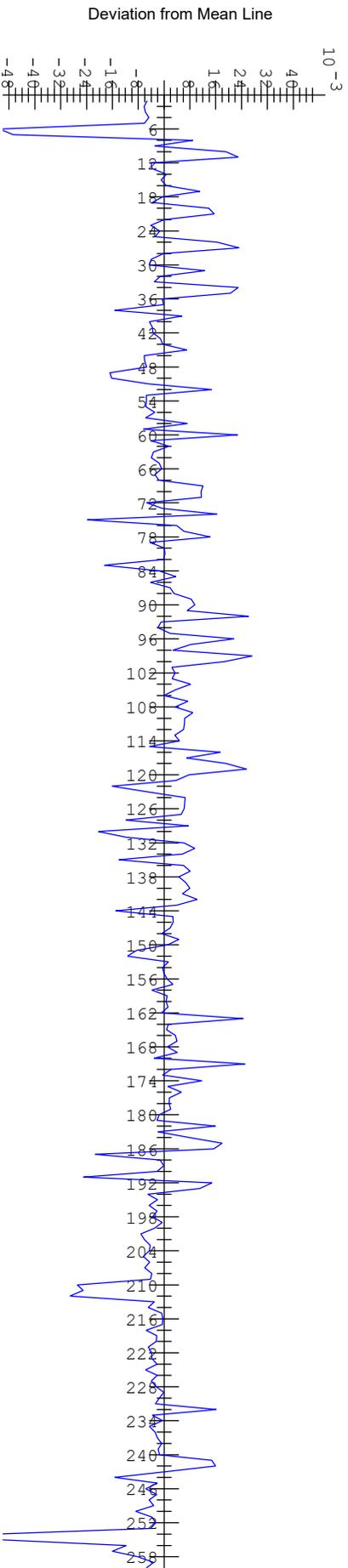
**HGVPU - Pole Tip Deviation from Mean Line**

Nominal Gap :	20.000	US Full :	20.0000	DS Full :	20.0004
Nom. Taper :	0.000	US Wall Half :	9.9932	DS Wall Half :	9.9924
		US Aisle Half :	9.9927	DS Aisle Half :	9.9934

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

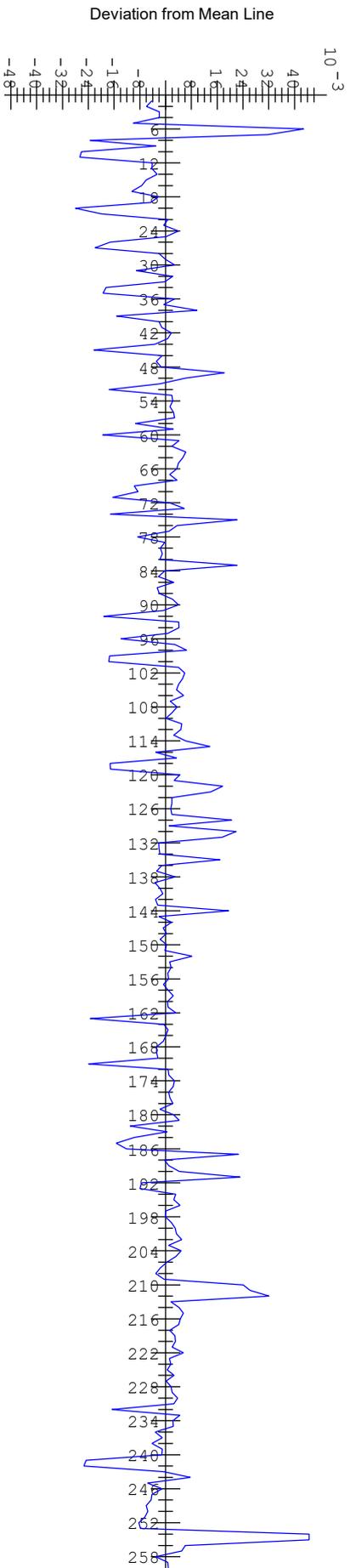
**Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane**

Dimensions in MM



Pole Tip Num. ----->

**Wall Pole Tips**



**Aisle Pole Tips**