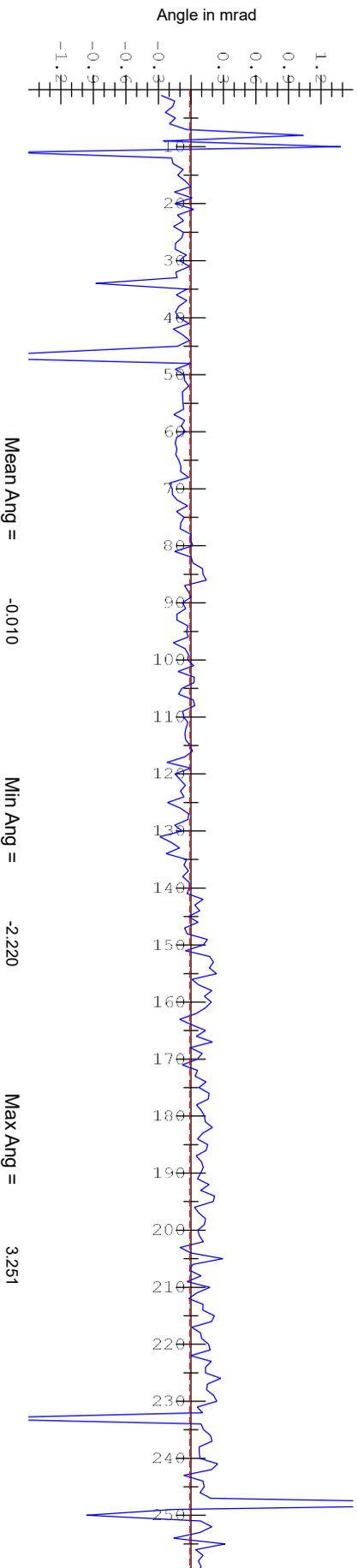


### Included Angle Between Pole Tips

Pole Tip Num. ----->

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



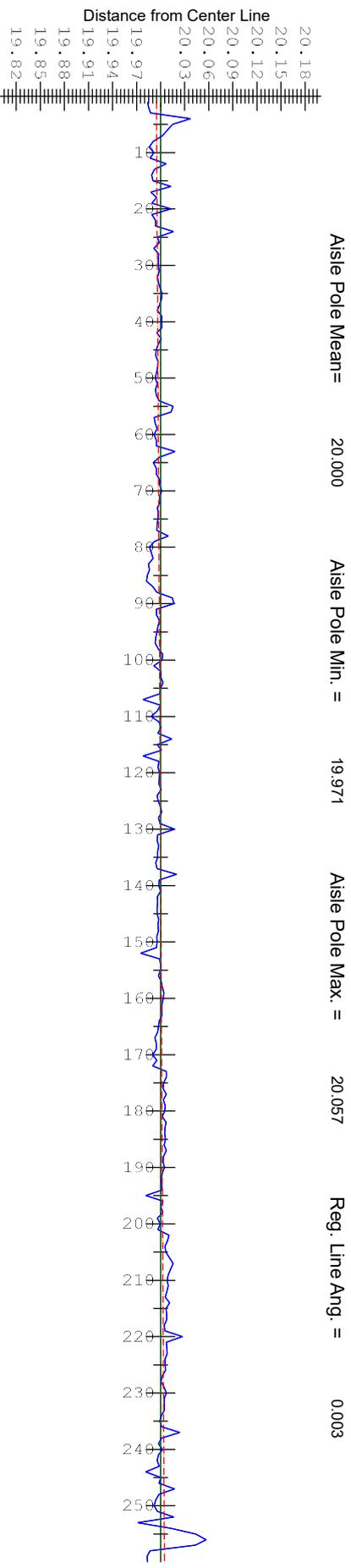
Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Angles

<b>Nominal Gap :</b>	40.000	<b>US Full :</b>	40.0001	<b>DS Full :</b>	40.0001
<b>Nom. Taper :</b>	0.000	<b>US Wall Half :</b>	19.9927	<b>DS Wall Half :</b>	19.9910
		<b>US Aisle Half :</b>	19.9918	<b>DS Aisle Half :</b>	19.9926

<b>S/N</b>	: HXU 012
<b>Date</b>	: 11-MAR-2020
<b>Data Set</b>	: 0001
<b>Run</b>	: FINAL
<b>Cam Pos.</b>	: B

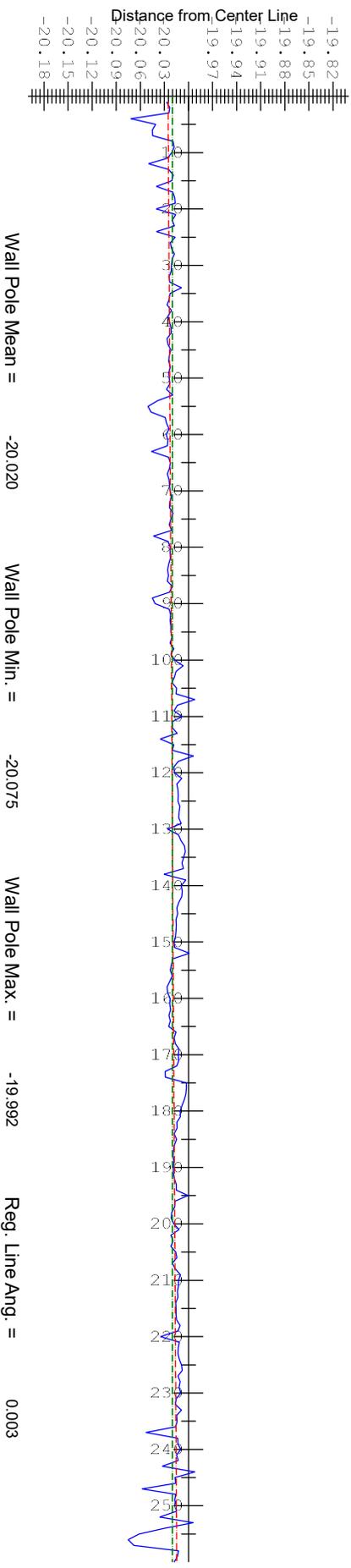


## Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

**Wall Pole Tips at Nom. Beam Height**  
Minimum Clearance Gap = 39.943



### Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



## HGVPV - Pole Tip Location from Girder Centerline

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0001
Nom. Taper :	0.000	US Wall Half :	19.9927	DS Wall Half :	19.9910
		US Aisle Half :	19.9918	DS Aisle Half :	19.9926

S/N :	HXU 012	Date :	11-MAR-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>	19.995	0.000	8.750	
<b>US Wall Pole Tip(1)</b>	-20.025	0.000	8.750	
<b>US Sym. Pt.</b>	-0.015			
<b>US Gap</b>				40.020
<b>DS Aisle Pole Tip(260)</b>	20.005	0.000	3375.750	
<b>DS Wall Pole Tip(260)</b>	-20.015	0.000	3375.750	
<b>DS Sym. Pt.</b>	-0.005			
<b>DS Gap</b>				40.019
<b>Taper</b>				-0.001

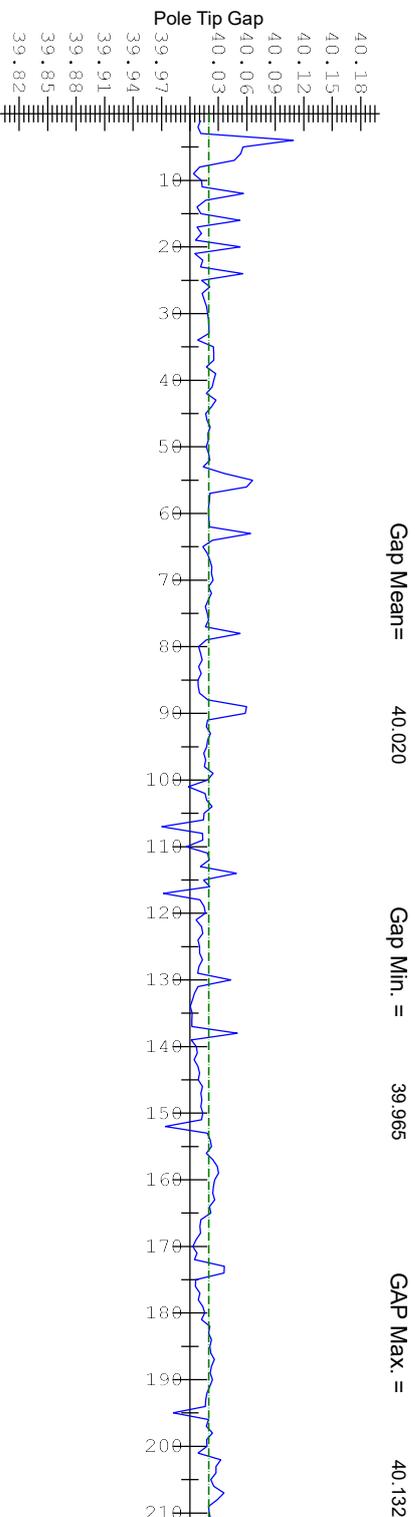
Dimensions in MM



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

<b>Nominal Gap :</b>	40.000	<b>US Full :</b>	40.0001	<b>DS Full :</b>	40.0001
<b>Nom. Taper :</b>	0.000	<b>US Wall Half :</b>	19.9927	<b>DS Wall Half :</b>	19.9910
		<b>US Aisle Half :</b>	19.9918	<b>DS Aisle Half :</b>	19.9926

<b>S/N</b>	: HXU_012
<b>Date</b>	: 11-MAR-2020
<b>Data Set</b>	: 0001
<b>Run</b>	: FINAL
<b>Cam Pos.</b>	: B

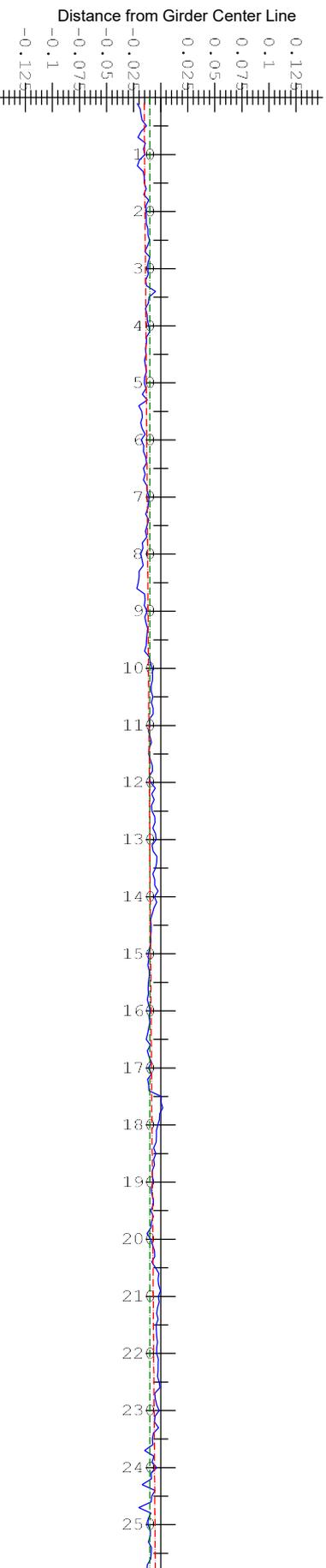


### Pole Tip Gap at Nom. Beam Height

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

Pole Tip Num. ----->

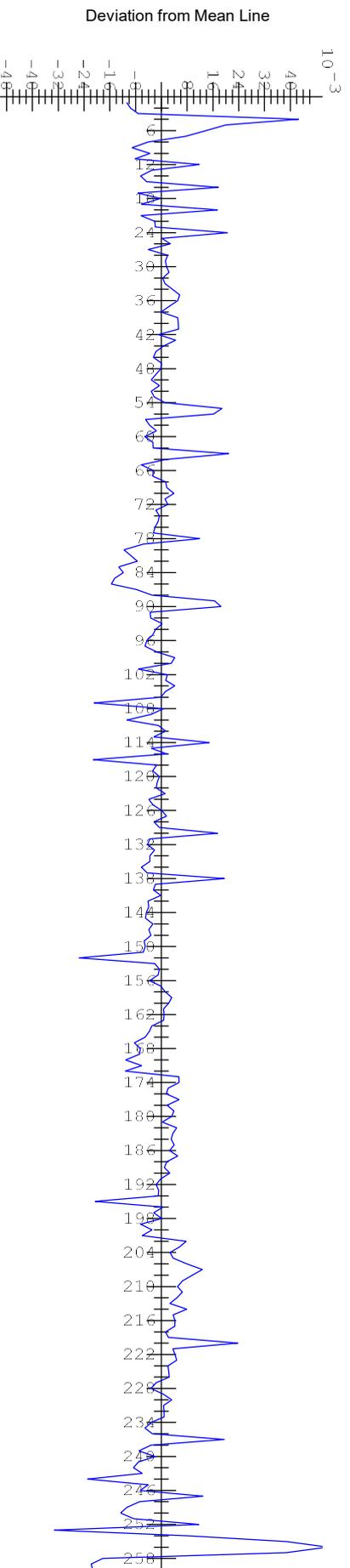
### Pole Tip Symmetry Point at Nom. Beam Height



### Girder centerline in reference to Pointed Magnets

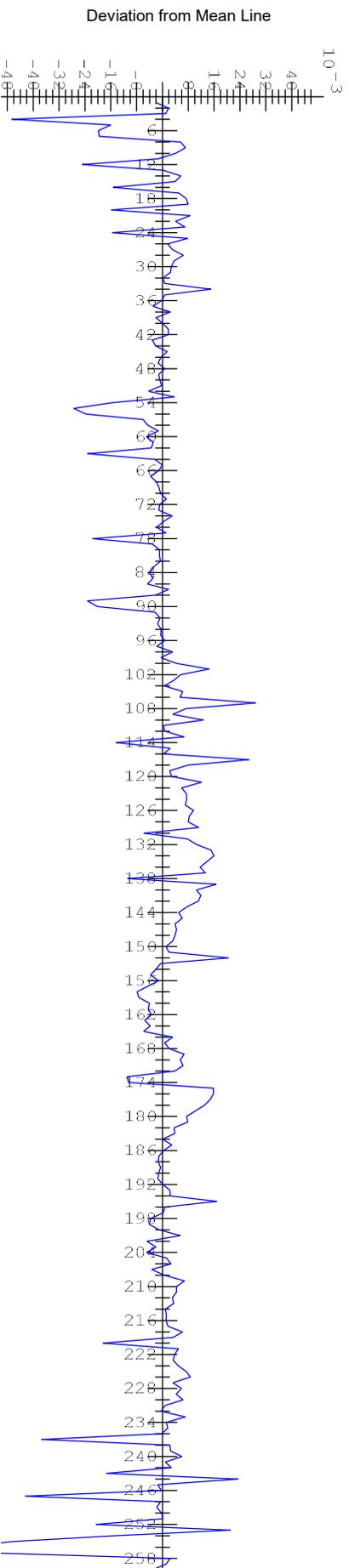
Dimensions in MM, Angles in Milliradians

	<b>HGVPU - Pole Tip Gap and Symmetry Point Location</b>					
	US Full	:	40.0001	DS Full	:	40.0001
Nominal Gap :	40.000	US Wall Half :	19.9927	DS Wall Half :	19.9910	
Nom. Taper :	0.000	US Aisle Half :	19.9918	DS Aisle Half :	19.9926	
S/N	:	HXU 012		Date	:	11-MAR-2020
Data Set	:	0001		Run	:	FINAL
Cam Pos.	:	B			:	



### Aisle Pole Tips

### 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 :	40.0001
Nom. Taper :	0.000	US Wall Half :	19.9927	DS Wall Half :	19.9910
		US Aisle Half :	19.9918	DS Aisle Half :	19.9926

S/N	: HXU_012
Date	: 11-MAR-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B