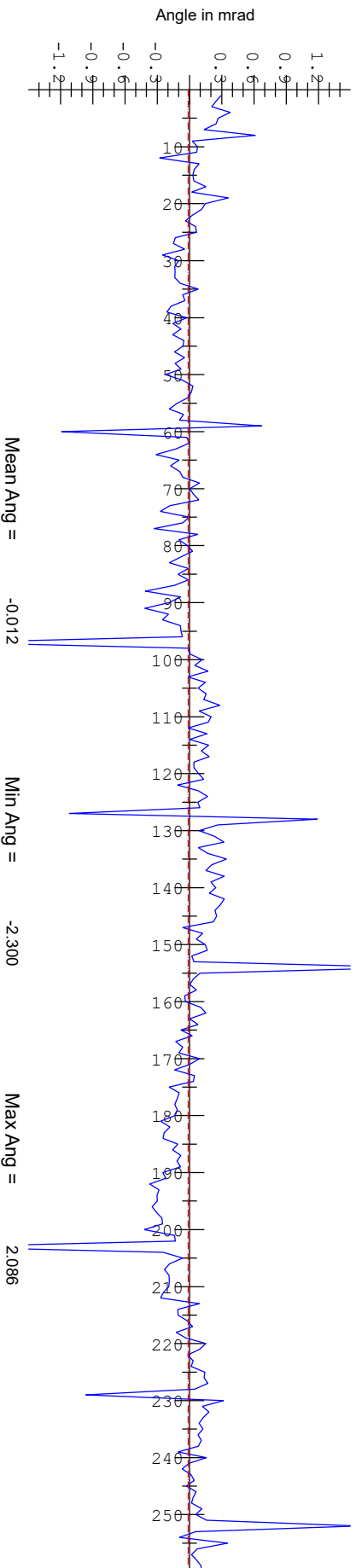


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



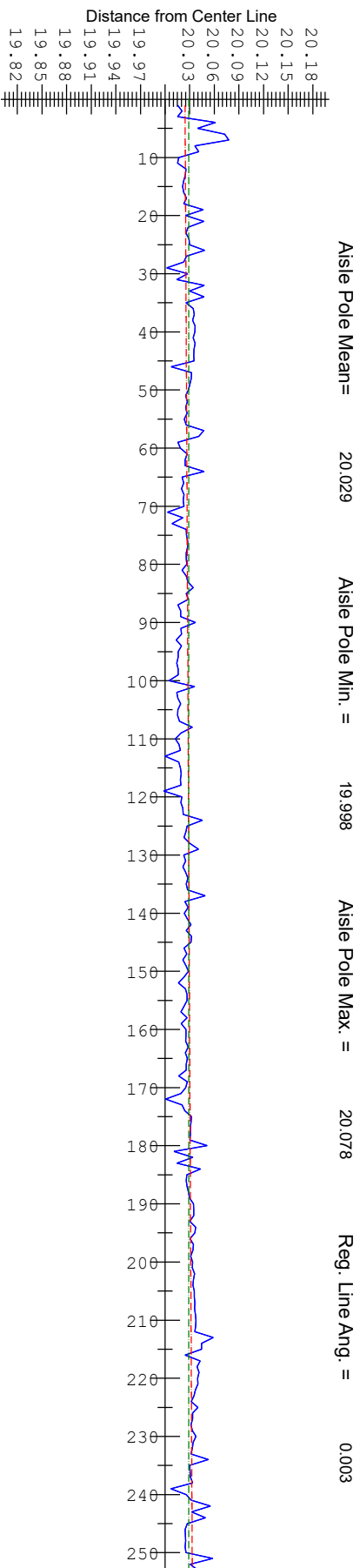
Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0003	DS Full :	40.0001
Nom. Taper :	0.000	US Wall Half :	19.9912	DS Wall Half :	19.9904
		US Aisle Half :	19.9903	DS Aisle Half :	19.9919

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



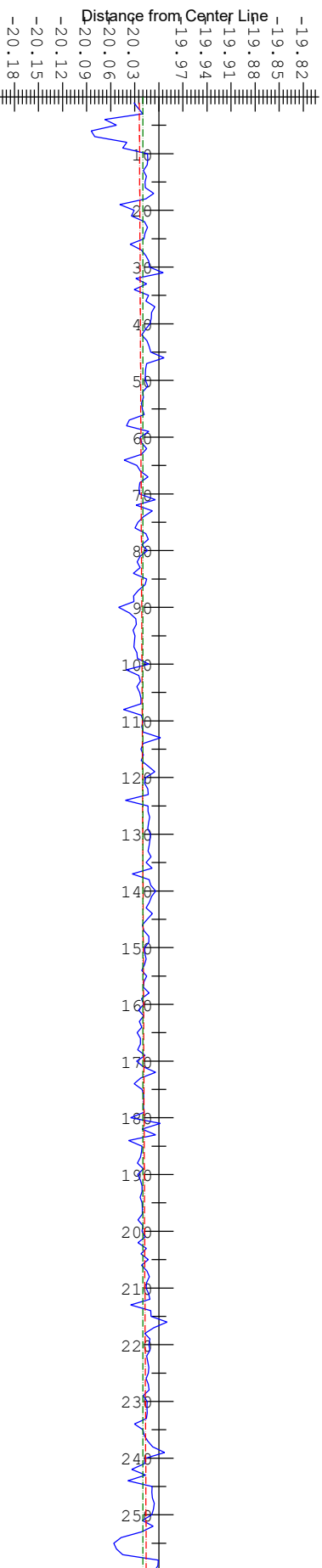
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 39.980

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 : 40.000 US Full : 40.0003 DS Full : 40.0001

Nom. Taper : 0.000 US Wall Half : 19.9912 DS Wall Half : 19.9904

US Aisle Half : 19.9903 DS Aisle Half : 19.9919

S/N : HXU_032

Date : 18-AUG-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)	20.024	0.000	8.750	
US Wall Pole Tip(1)	-20.024	0.000	8.750	
US Sym. Pt.	0.000			
US Gap				40.049
DS Aisle Pole Tip(260)	20.033	0.000	3375.750	
DS Wall Pole Tip(260)	-20.016	0.000	3375.750	
DS Sym. Pt.	0.009			
DS Gap				40.049
Taper				0.000

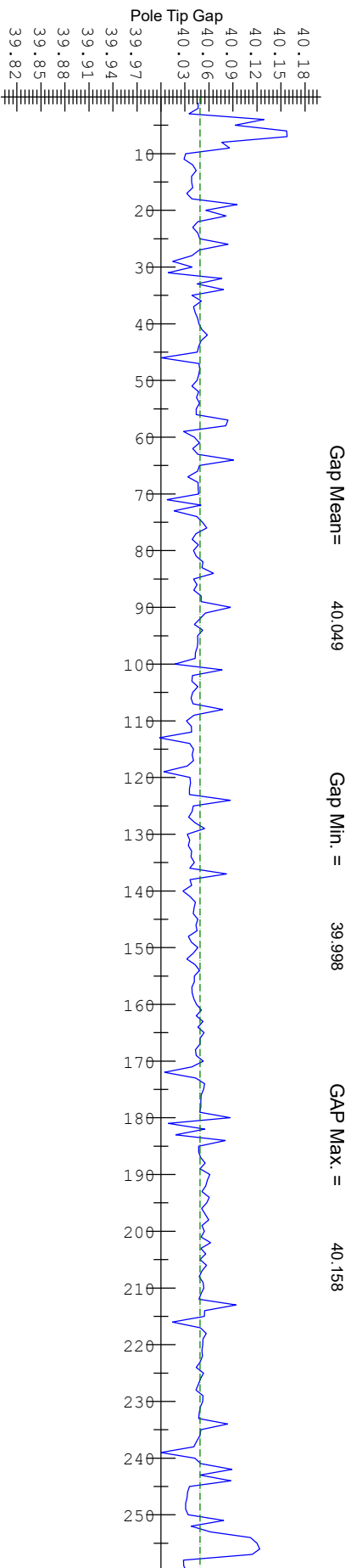
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap : 40.000 **US Full :** 40.0003 **DS Full :** 40.0001
US Wall Half : 19.9912 **DS Wall Half :** 19.9904
Nom. Taper : 0.000 **US Aisle Half :** 19.9903 **DS Aisle Half :** 19.9919

S/N : HXU_032
Date : 18-AUG-2020
Data Set : 0001
Run : FINAL
Cam Pos. : B

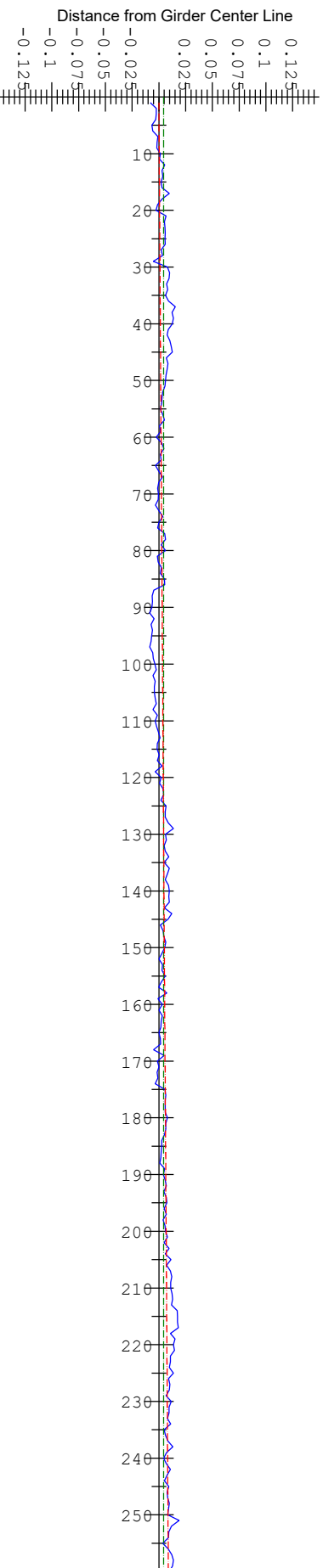


Pole Tip Gap at Nom. Beam Height

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

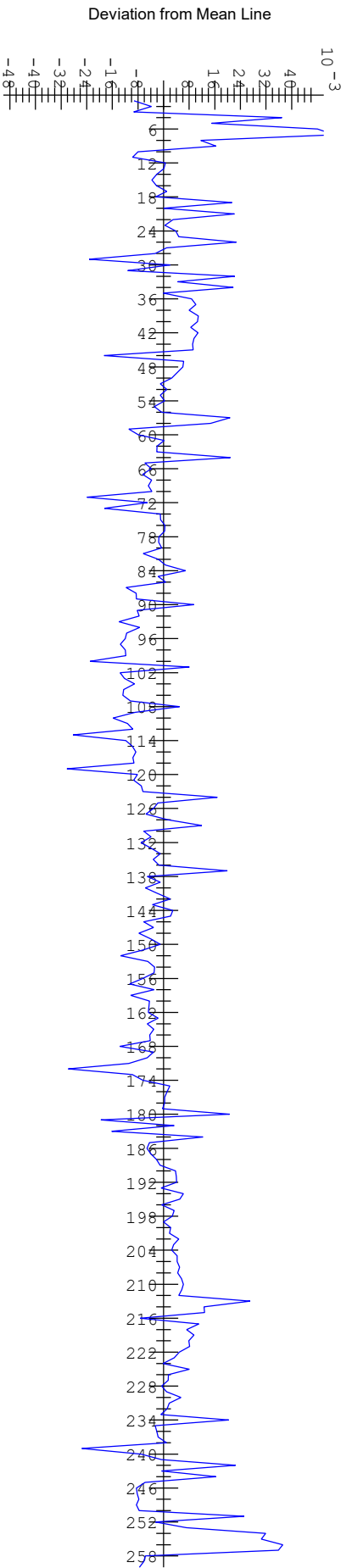
Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Gap and Symmetry Point Location

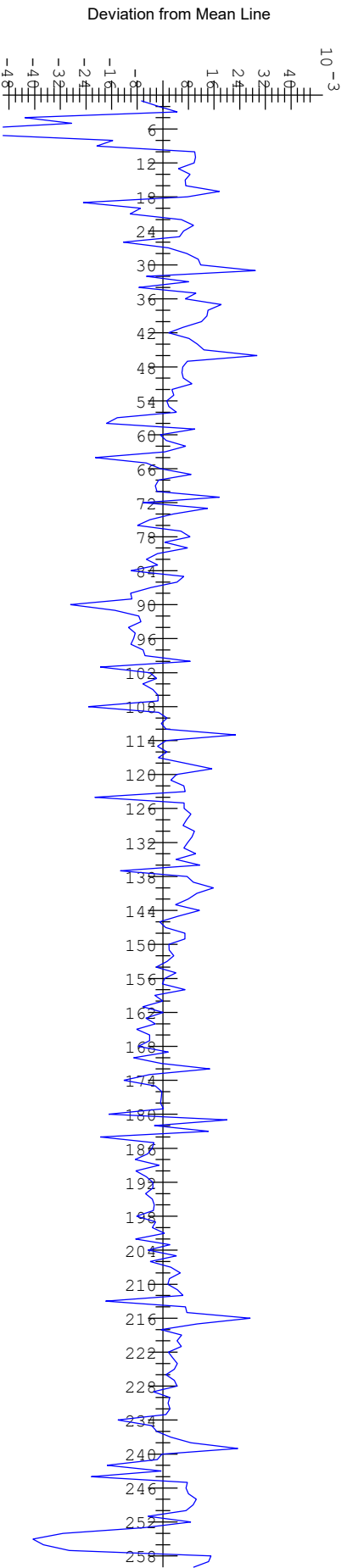
Nominal Gap :	40.000	US Full :	40.0003	DS Full :	40.0001
Nom. Taper :	0.000	US Wall Half :	19.9912	DS Wall Half :	19.9904
		US Aisle Half :	19.9903	DS Aisle Half :	19.9919

S/N	: HXU_032
Date	: 18-AUG-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 :	40.0003	DS Full :	40.0001
Nom. Taper :	0.000	US Wall Half :	19.9912	DS Wall Half :	19.9904
		US Aisle Half :	19.9903	DS Aisle Half :	19.9919

S/N	: HXU_032
Date	: 18-AUG-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B