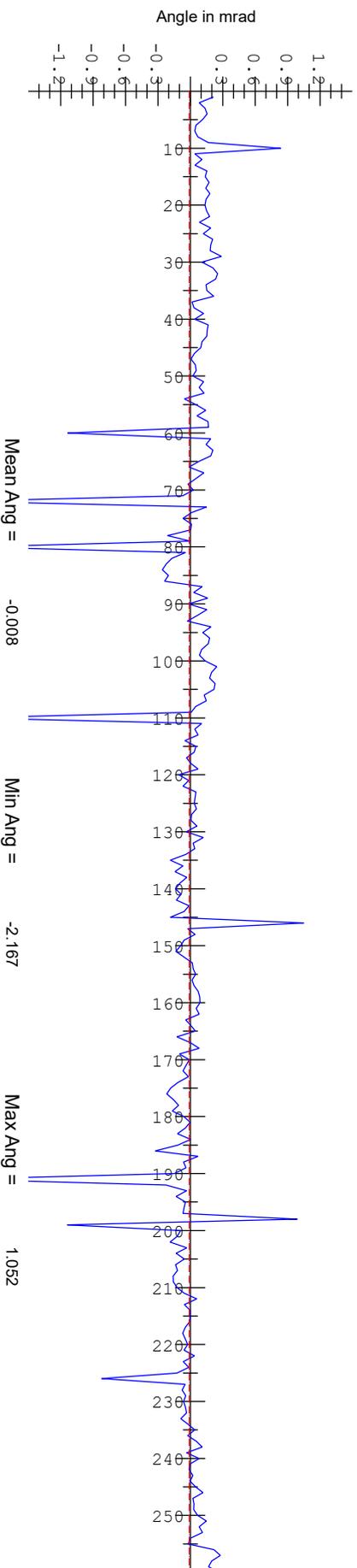


Included Angle Between Pole Tips

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 :** 20.0002 **DS Full :** 20.0000

Nom. Taper : 0.000 **US Wall Half :** 9.9920 **DS Wall Half :** 9.9932

US Aisle Half : 9.9939 **DS Aisle Half :** 9.9919

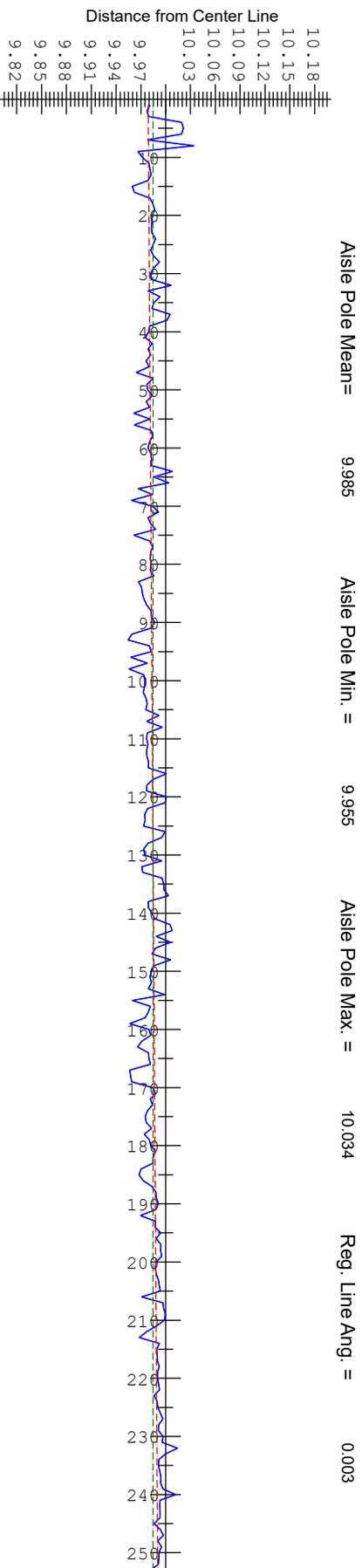
S/N : HXU 016

Date : 10-SEP-2020

Data Set : 0001

Run : FINAL

Cam Pos. : B

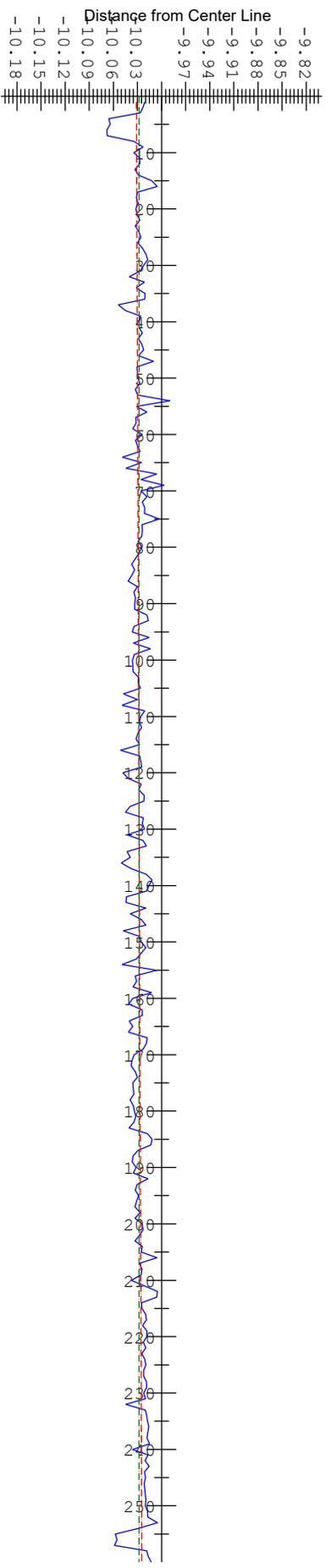


Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

Minimum Clearance Gap = 19.909



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0000
Nom. Taper :	0.000	US Wall Half :	9.9920	DS Wall Half :	9.9932
		US Aisle Half :	9.9939	DS Aisle Half :	9.9919

S/N	: HXU 016
Date	: 10-SEP-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)	9.979	0.000	8.750	
US Wall Pole Tip(1)	-10.031	0.000	8.750	
US Sym. Pt.	-0.026			
US Gap				20.010
DS Aisle Pole Tip(260)	9.991	0.000	3375.750	
DS Wall Pole Tip(260)	-10.025	0.000	3375.750	
DS Sym. Pt.	-0.017			
DS Gap				20.015
Taper				0.005

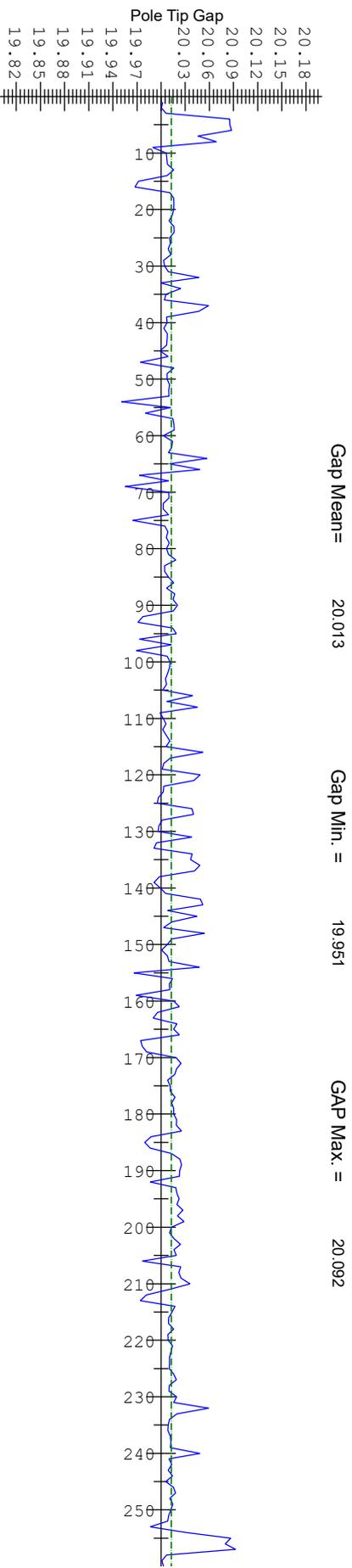
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0000
US Wall Half :	9.9920	US Wall Half :	9.9920	DS Wall Half :	9.9932
US Aisle Half :	9.9939	US Aisle Half :	9.9939	DS Aisle Half :	9.9919
Nom. Taper :	0.000				

S/N	: HXU_016
Date	: 10-SEP-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

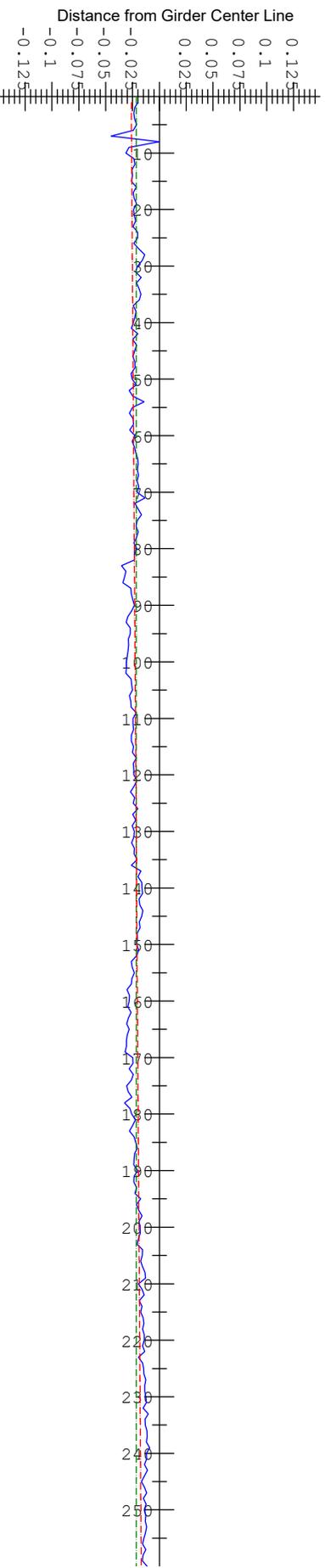


Pole Tip Gap at Nom. Beam Height

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

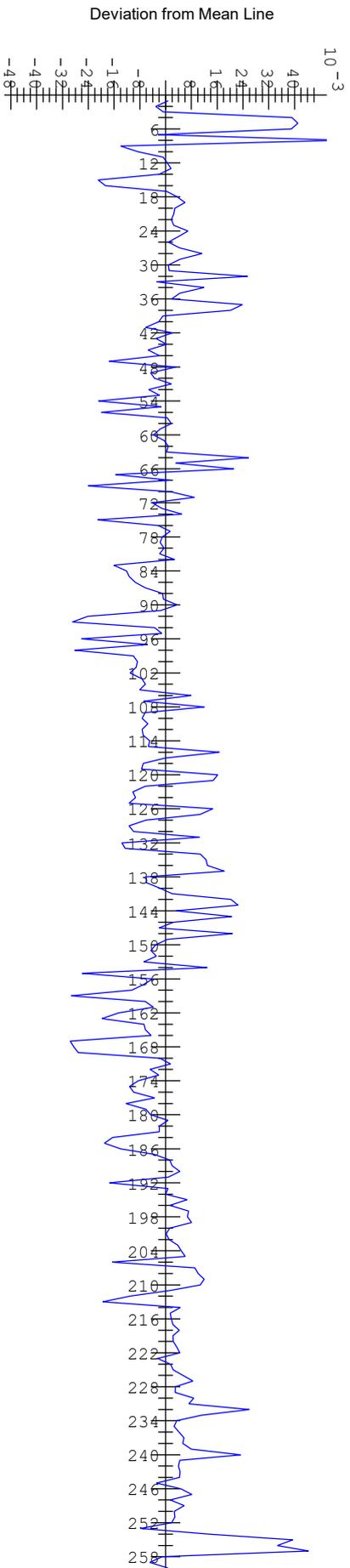
Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Gap and Symmetry Point Location

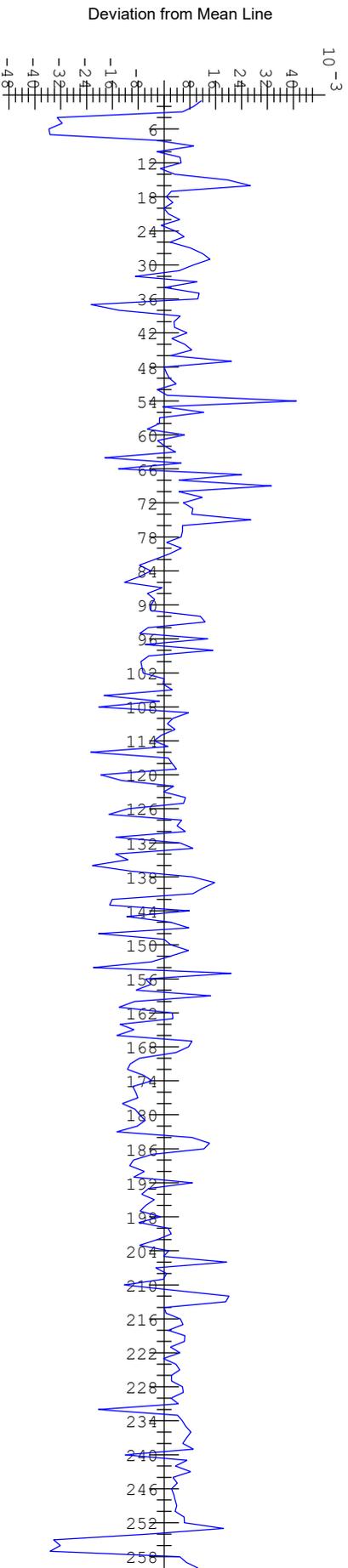
Nominal Gap :	20.000	US Full :	20.0002	DS Full :	20.0000
Nom. Taper :	0.000	US Wall Half :	9.9920	DS Wall Half :	9.9932
		US Aisle Half :	9.9939	DS Aisle Half :	9.9919

S/N	: HXU 016
Date	: 10-SEP-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



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HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap : 20.000 US Full : 20.0002 DS Full : 20.0000

Nom. Taper : 0.000 US Wall Half : 9.9920 DS Wall Half : 9.9932

US Aisle Half : 9.9939 DS Aisle Half : 9.9919

S/N : HXU 016

Date : 10-SEP-2020

Data Set : 0001

Run : FINAL

Cam Pos. : B