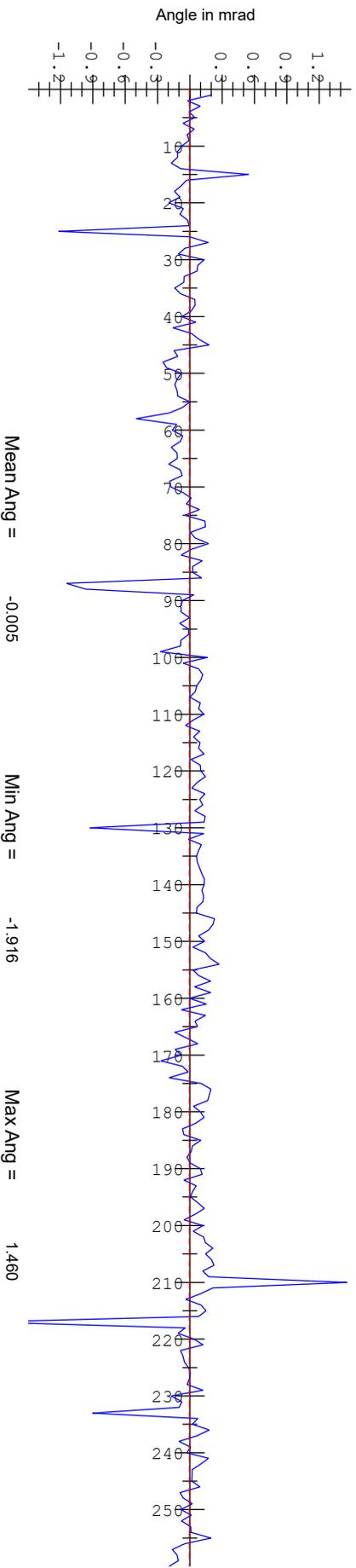


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



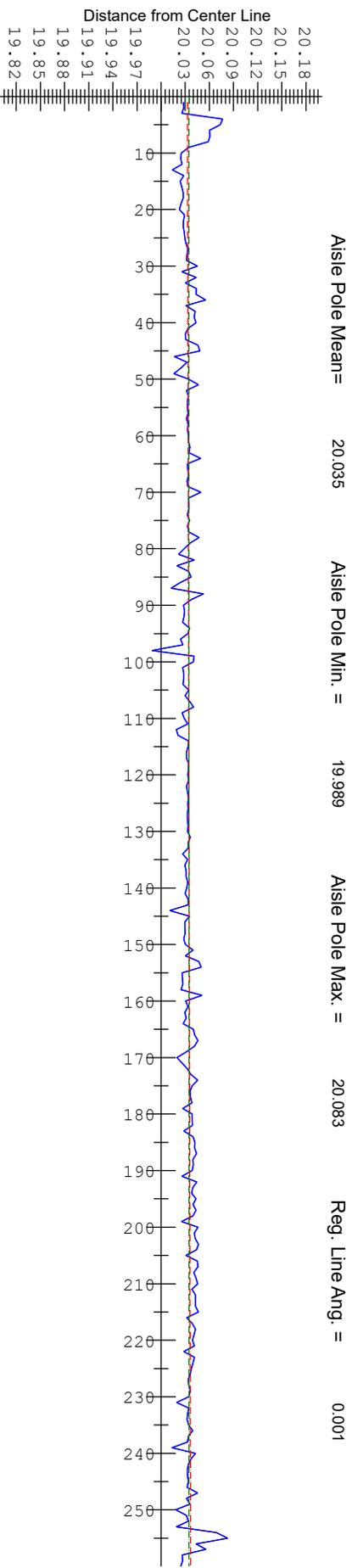
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	39.9999
Nom. Taper :	0.000	US Wall Half :	19.9921	DS Wall Half :	19.9917
		US Aisle Half :	19.9916	DS Aisle Half :	19.9922

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

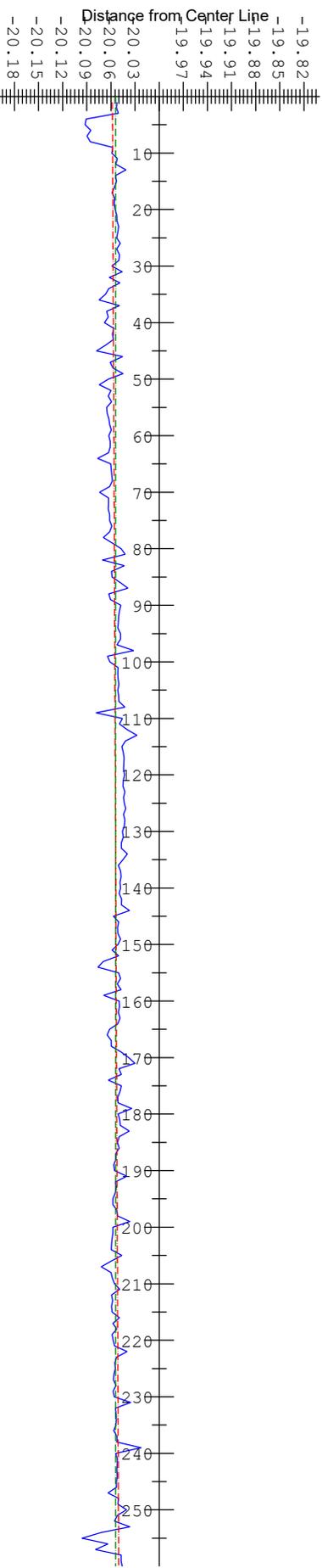


Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

Minimum Clearance Gap = 39.978



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 : 39.9999

Nom. Taper : 0.000 US Wall Half : 19.9921 DS Wall Half : 19.9917

US Aisle Half : 19.9916 DS Aisle Half : 19.9922

S/N : HXU_001

Date : 06-AUG-2020

Data Set : 0002

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)	20.033	0.000	8.750	
US Wall Pole Tip(1)	-20.058	0.000	8.750	
US Sym. Pt.	-0.013			
US Gap				40.091
DS Aisle Pole Tip(260)	20.037	0.000	3375.750	
DS Wall Pole Tip(260)	-20.050	0.000	3375.750	
DS Sym. Pt.	-0.007			
DS Gap				40.087
Taper				-0.004

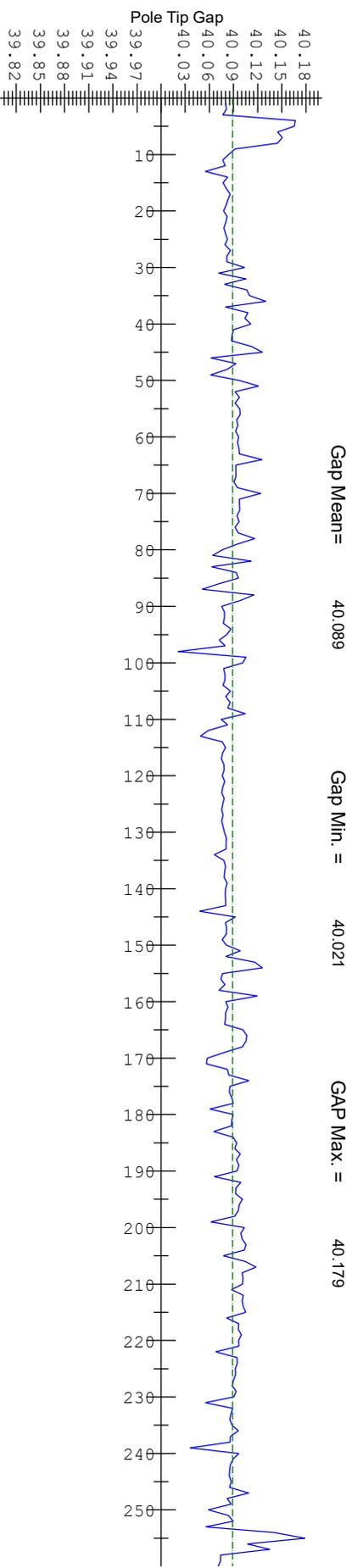
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	39.9999
Nom. Taper :	0.000	US Wall Half :	19.9921	DS Wall Half :	19.9917
		US Aisle Half :	19.9916	DS Aisle Half :	19.9922

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

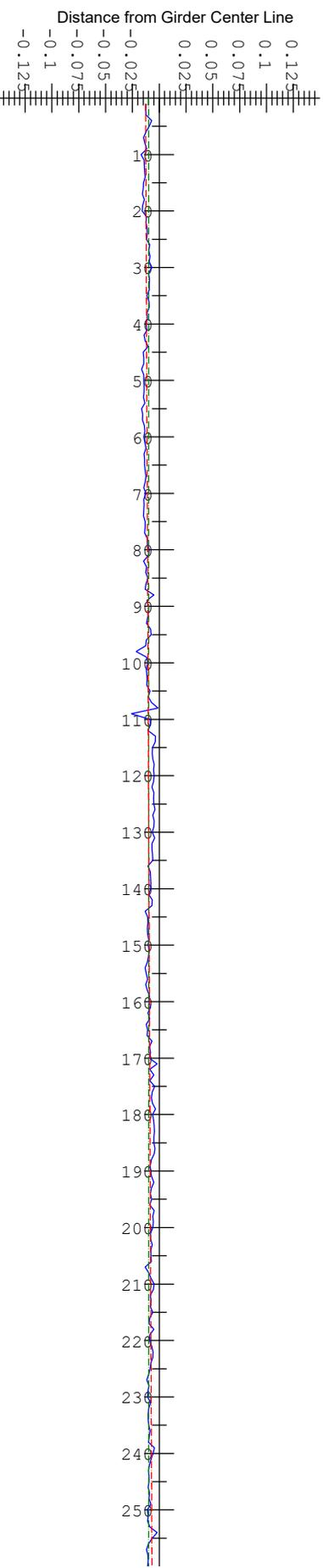


Pole Tip Gap at Nom. Beam Height

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

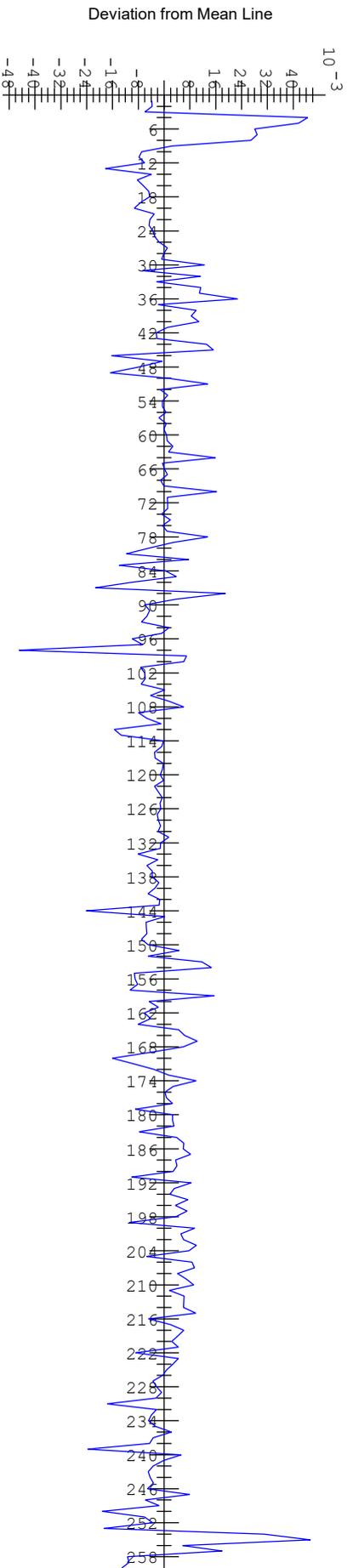
Dimensions in MM, Angles in Milliradians

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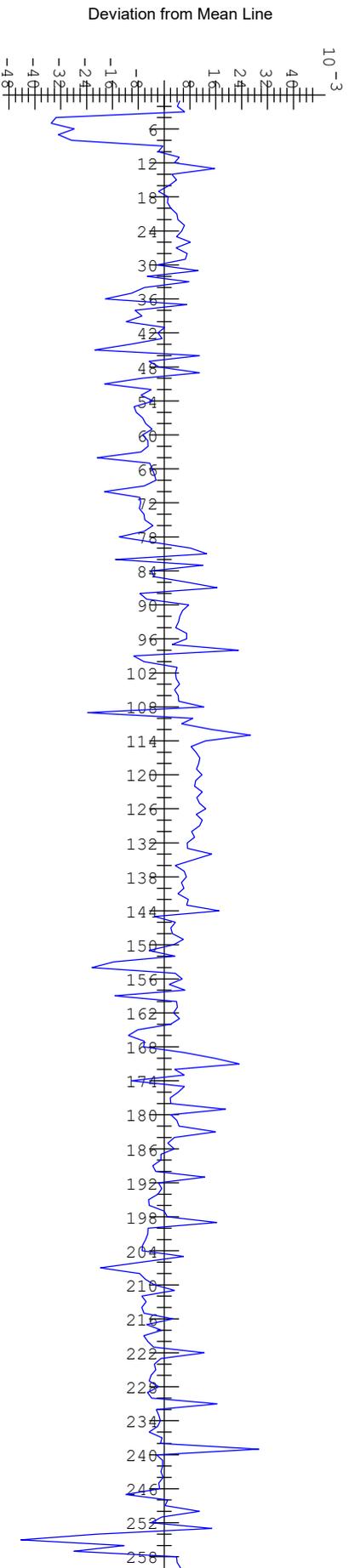
HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	39.9999
Nom. Taper :	0.000	US Wall Half :	19.9921	DS Wall Half :	19.9917
		US Aisle Half :	19.9916	DS Aisle Half :	19.9922

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
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 :	39.9999
Nom. Taper :	0.000	US Wall Half :	19.9921	DS Wall Half :	19.9917
		US Aisle Half :	19.9916	DS Aisle Half :	19.9922

S/N	: HXU_001
Date	: 06-AUG-2020
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B