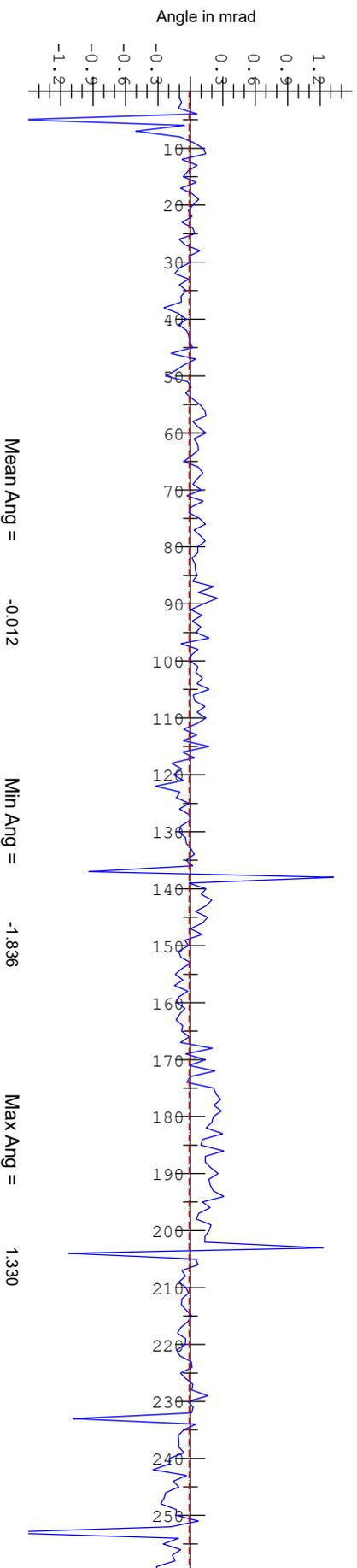


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



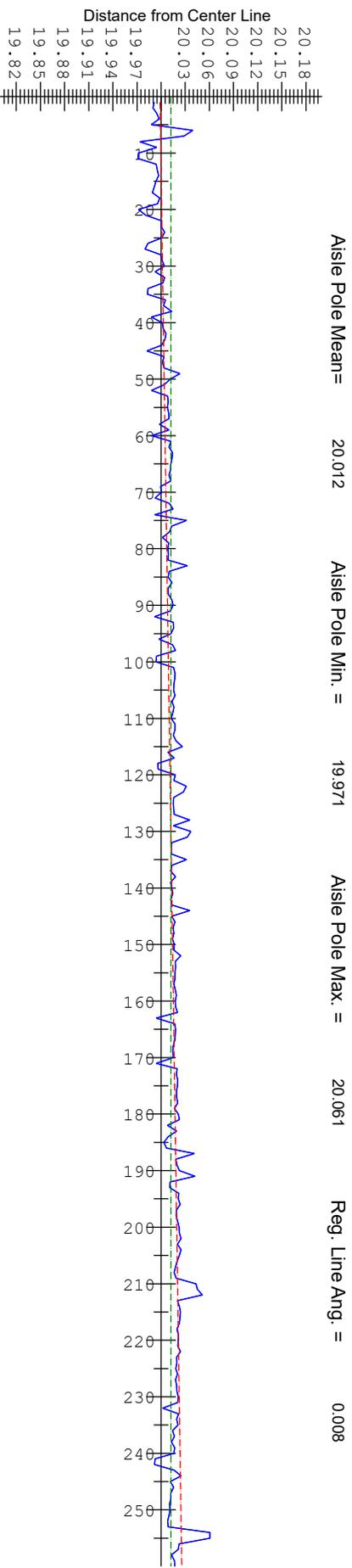
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0003	DS Full :	39.9998
Nom. Taper :	0.000	US Wall Half :	19.9951	DS Wall Half :	19.9961
		US Aisle Half :	19.9948	DS Aisle Half :	19.9966

S/N	: HXU 017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B



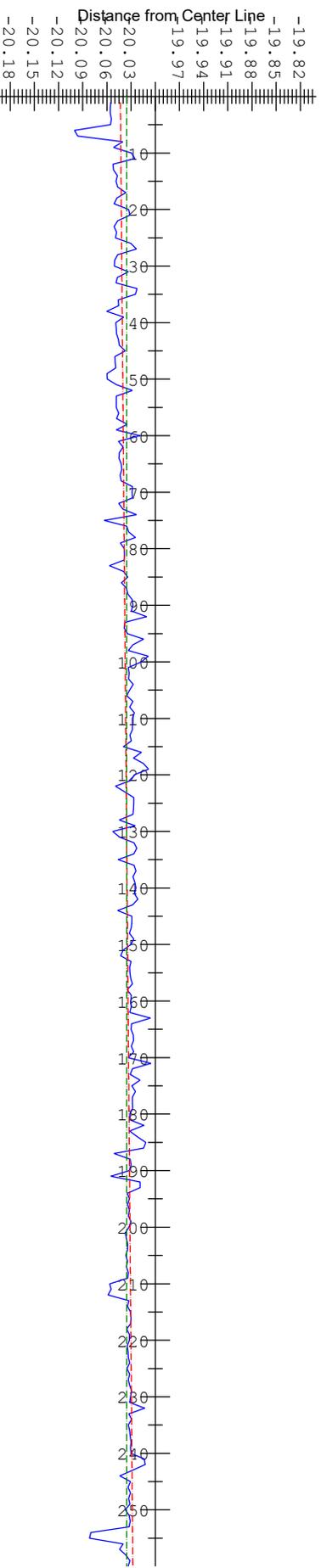
Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

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

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

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METROLOGY

HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap : 40.000 US Full : 40.0003 DS Full : 39.9998

Nom. Taper : 0.000 US Wall Half : 19.9951 DS Wall Half : 19.9961

US Aisle Half : 19.9948 DS Aisle Half : 19.9966

S/N : HXU 017

Date : 03-NOV-2022

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)	19.999	0.000	8.750	
US Wall Pole Tip(1)	-20.043	0.000	8.750	
US Sym. Pt.	-0.022			
US Gap				40.042
DS Aisle Pole Tip(260)	20.026	0.000	3375.750	
DS Wall Pole Tip(260)	-20.028	0.000	3375.750	
DS Sym. Pt.	-0.001			
DS Gap				40.054
Taper				0.012

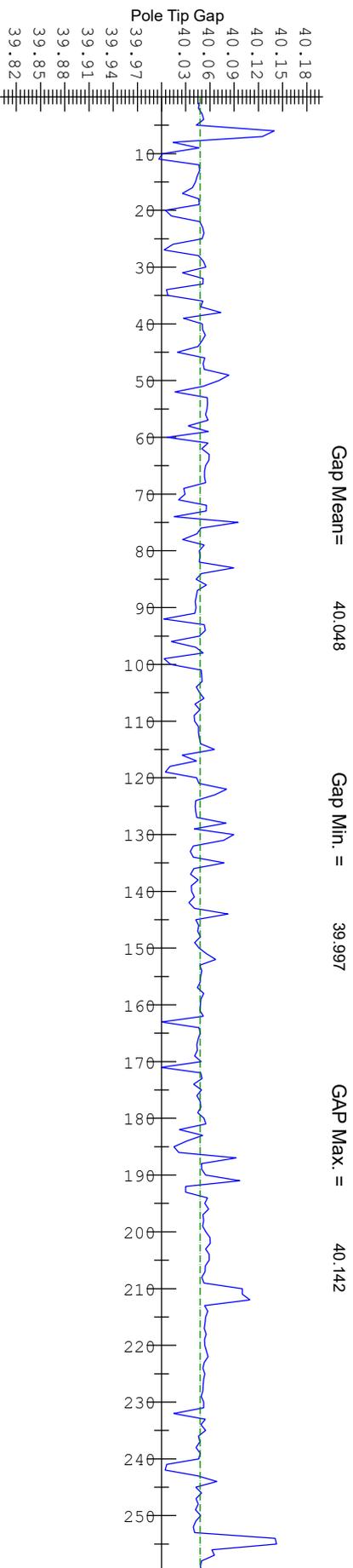
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	40.000	US Full :	40.0003	DS Full :	39.9998
Nom. Taper :	0.000	US Wall Half :	19.9951	DS Wall Half :	19.9961
		US Aisle Half :	19.9948	DS Aisle Half :	19.9966

S/N	: HXU_017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B

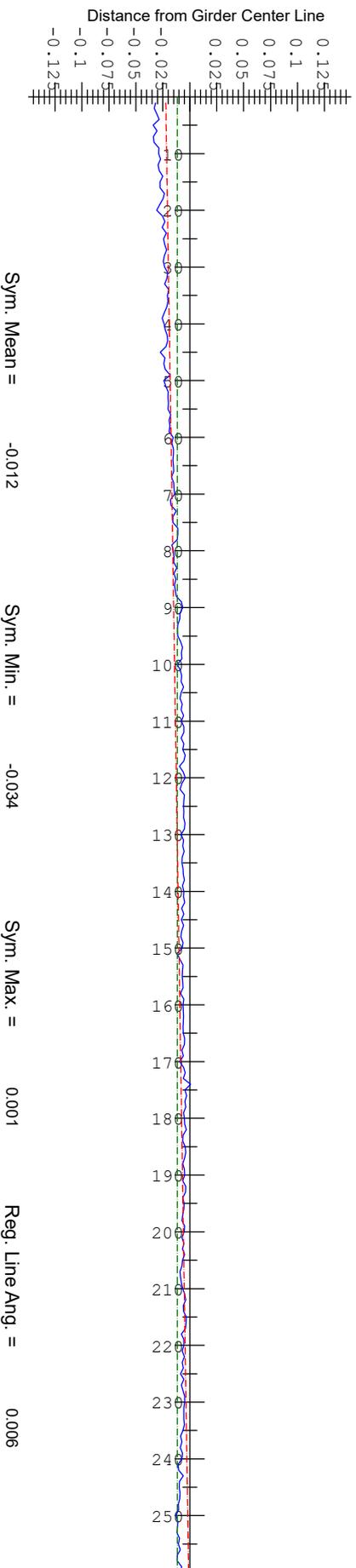


Pole Tip Gap at Nom. Beam Height

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

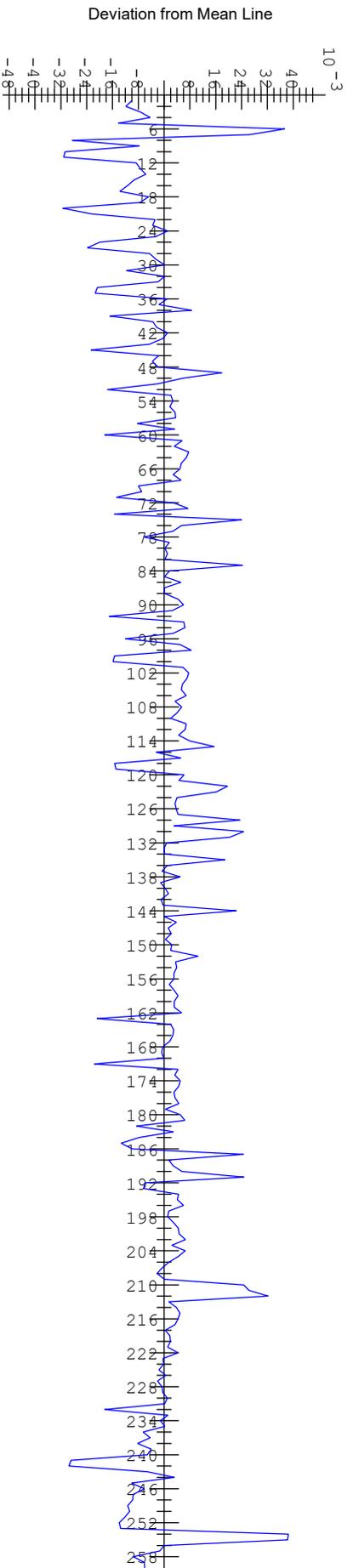
Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Gap and Symmetry Point Location

Nominal Gap :	40.000	US Full :	40.0003	DS Full :	39.9998
Nom. Taper :	0.000	US Wall Half :	19.9951	DS Wall Half :	19.9961
		US Aisle Half :	19.9948	DS Aisle Half :	19.9966

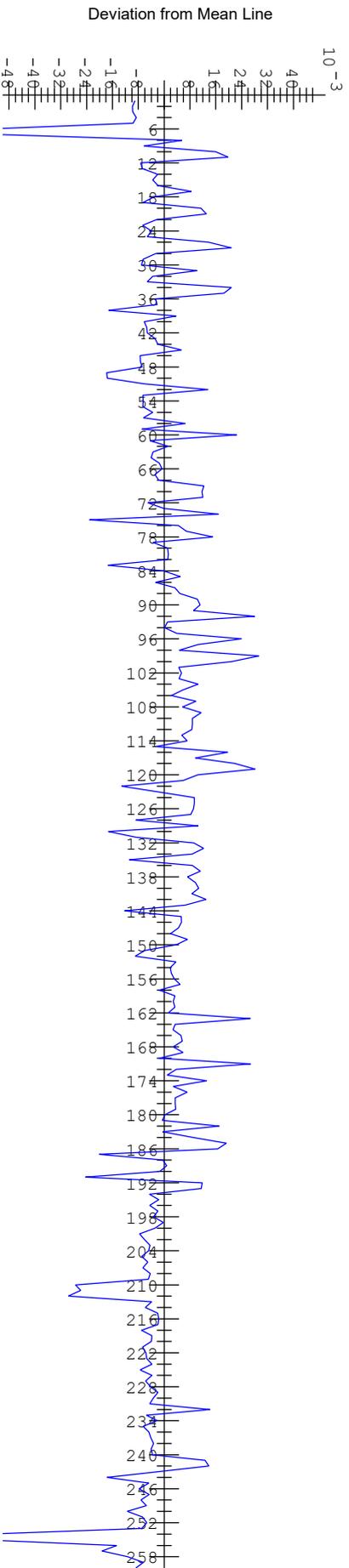
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Data Set	: 0002
Run	: FINAL
Cam Pos.	: B



Aisle Pole Tips

Pole Tip Num. ----->

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 :	39.9998
Nom. Taper :	0.000	US Wall Half :	19.9951	DS Wall Half :	19.9961
		US Aisle Half :	19.9948	DS Aisle Half :	19.9966

S/N	: HXU_017
Date	: 03-NOV-2022
Data Set	: 0002
Run	: FINAL
Cam Pos.	: B