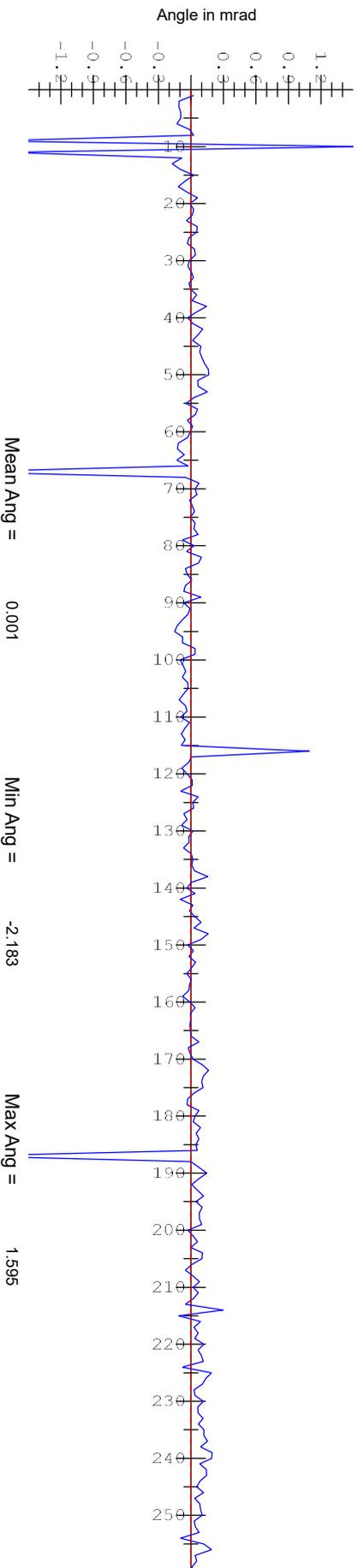


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



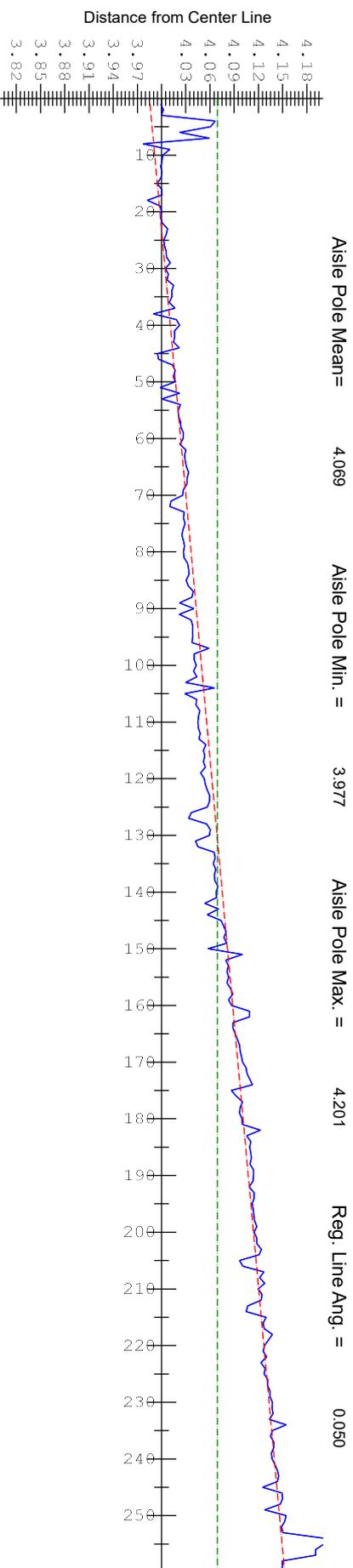
Dimensions in MM, Angles in Milliradians

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METROLOGY

HGVPV - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0023	DS Wall Half :	4.1492
		US Aisle Half :	4.0028	DS Aisle Half :	4.1505

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



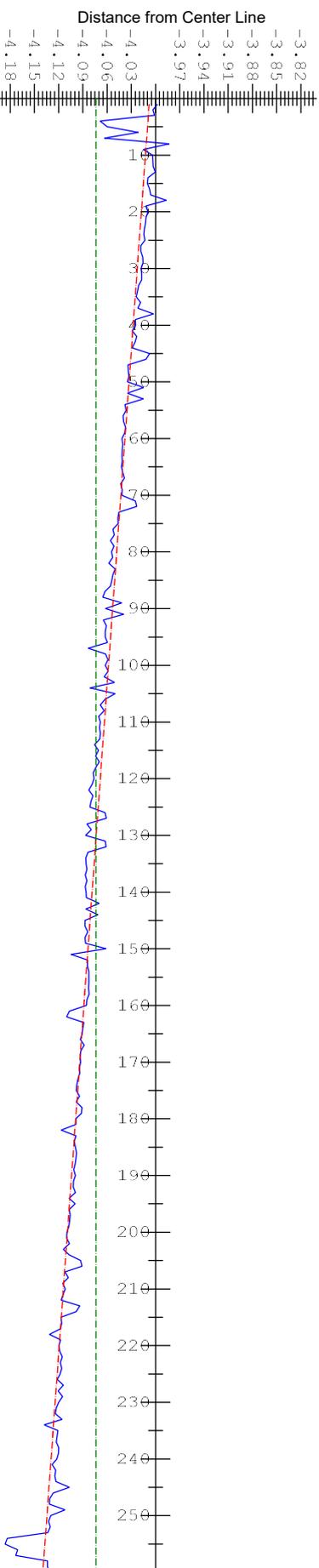
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Minimum Clearance Gap = 7.954

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 : 8.000 US Full : 8.0000 DS Full : 8.3000

Nom. Taper : 0.300 US Wall Half : 4.0023 DS Wall Half : 4.1492

US Aisle Half : 4.0028 DS Aisle Half : 4.1505

S/N : HXU_011

Date : 01-JUL-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)	3.986	0.000	8.750	
US Wall Pole Tip(1)	-4.008	0.000	8.750	
US Sym. Pt.	-0.011			
US Gap				7.994
DS Aisle Pole Tip(260)	4.153	0.000	3375.750	
DS Wall Pole Tip(260)	-4.140	0.000	3375.750	
DS Sym. Pt.	0.006			
DS Gap				8.292
Taper				0.298

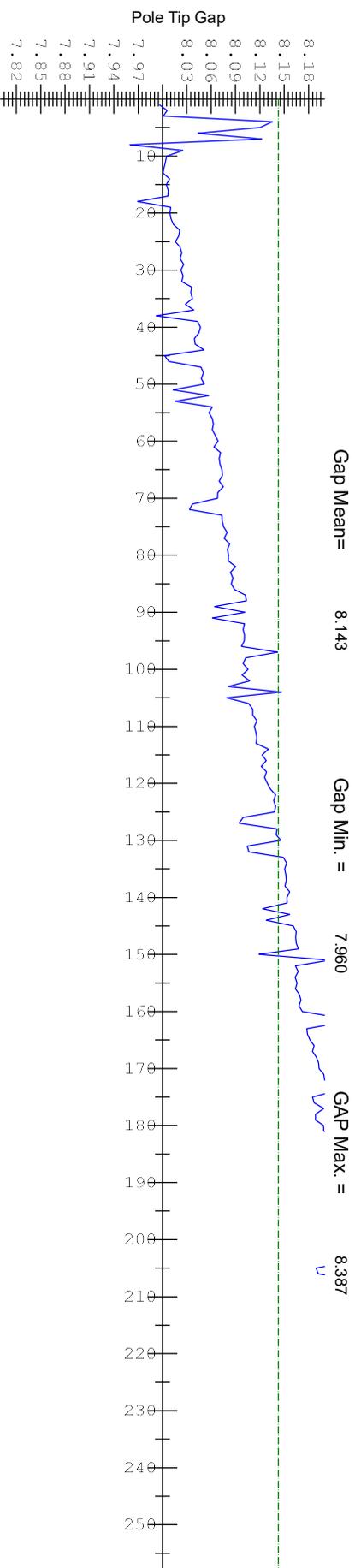
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0023	DS Wall Half :	4.1492
		US Aisle Half :	4.0028	DS Aisle Half :	4.1505

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

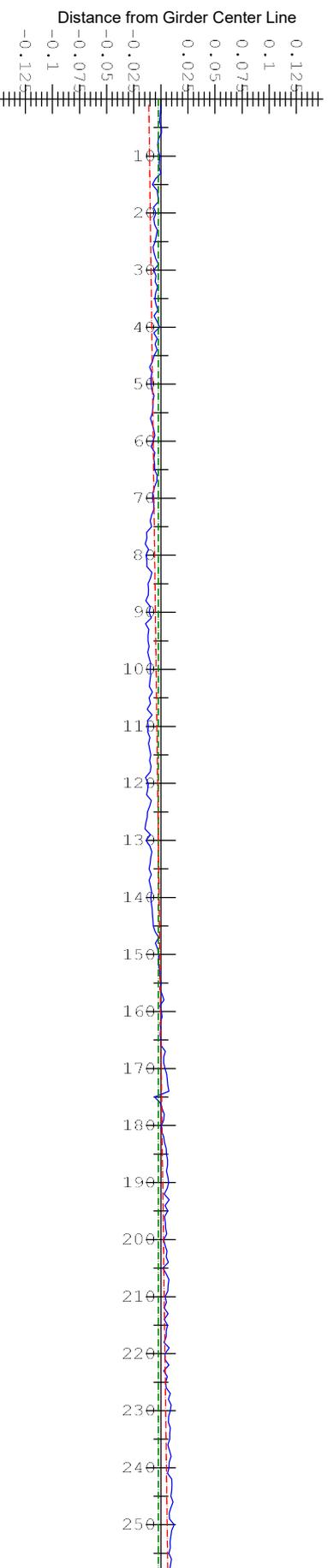


Pole Tip Gap at Nom. Beam Height

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 :	8.000	US Full :	8.0000	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0023	DS Wall Half :	4.1492
		US Aisle Half :	4.0028	DS Aisle Half :	4.1505

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



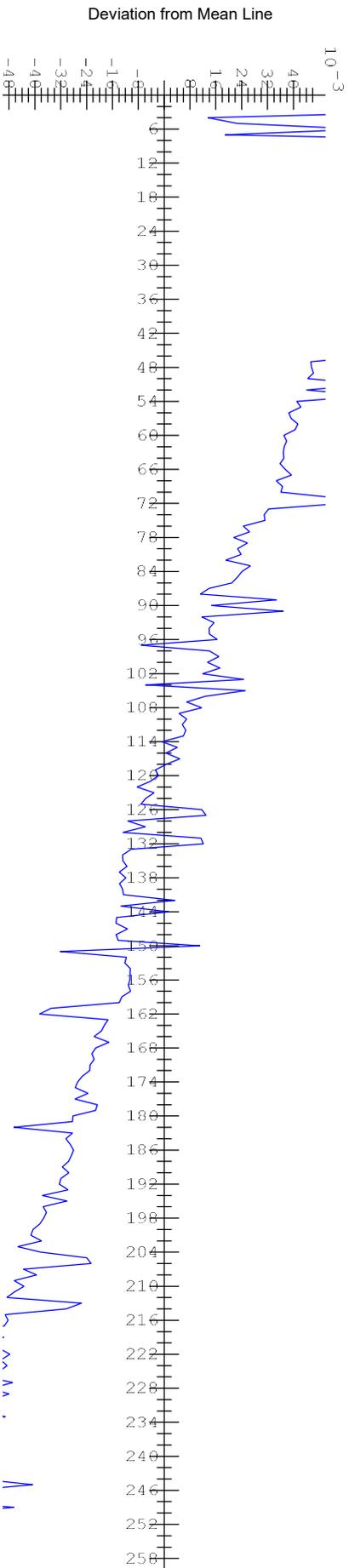
HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.3000
Nom. Taper :	0.300	US Wall Half :	4.0023	DS Wall Half :	4.1492
		US Aisle Half :	4.0028	DS Aisle Half :	4.1505

S/N	: HXU_011
Date	: 01-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

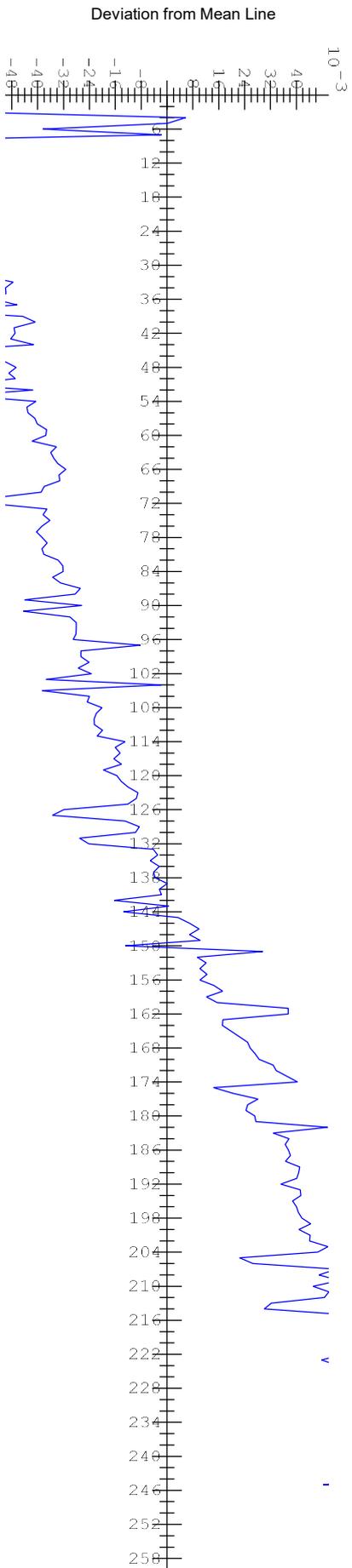
Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



Pole Tip Num. ----->

Wall Pole Tips



Aisle Pole Tips