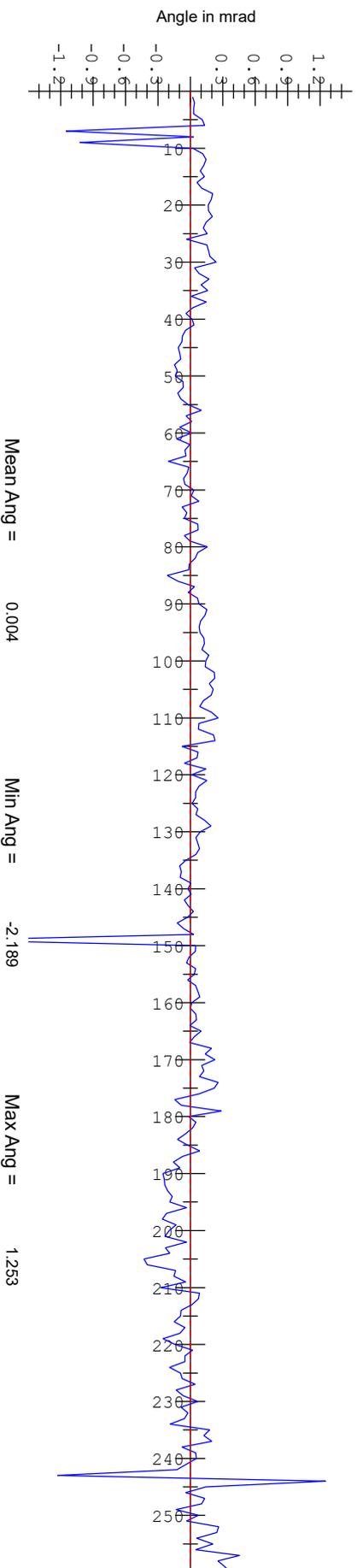


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

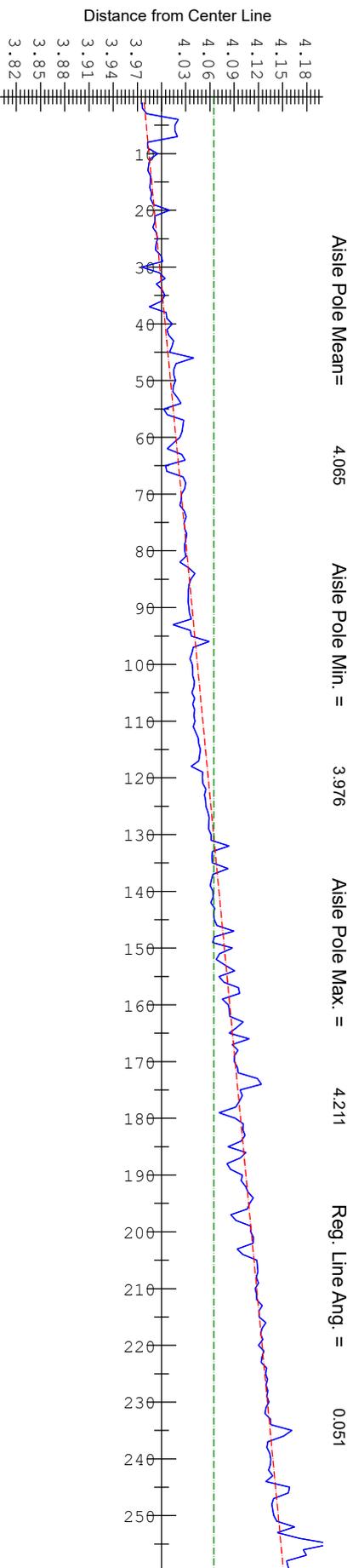


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HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.3001
Nom. Taper :	0.300	US Wall Half :	4.0028	DS Wall Half :	4.1509
		US Aisle Half :	4.0027	DS Aisle Half :	4.1508

S/N	: HXU 013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



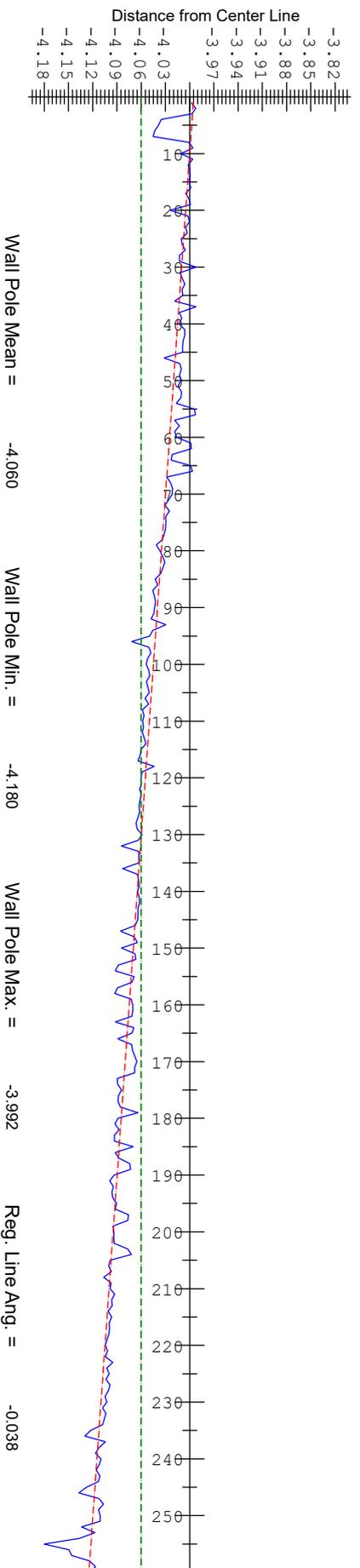
Aisle Pole Tips at Nom. Beam Height

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

Pole Tip Num. ----->

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 7.951



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 :	8.0001	DS Full :	8.3001
Nom. Taper :	0.300	US Wall Half :	4.0028	DS Wall Half :	4.1509
		US Aisle Half :	4.0027	DS Aisle Half :	4.1508

S/N	: HXU 013
Date	: 29-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)	3.978	0.000	8.750	
US Wall Pole Tip(1)	-3.995	0.000	8.750	
US Sym. Pt.	-0.008			
US Gap				7.974
DS Aisle Pole Tip(260)	4.151	0.000	3375.750	
DS Wall Pole Tip(260)	-4.125	0.000	3375.750	
DS Sym. Pt.	0.013			
DS Gap				8.276
Taper				0.302

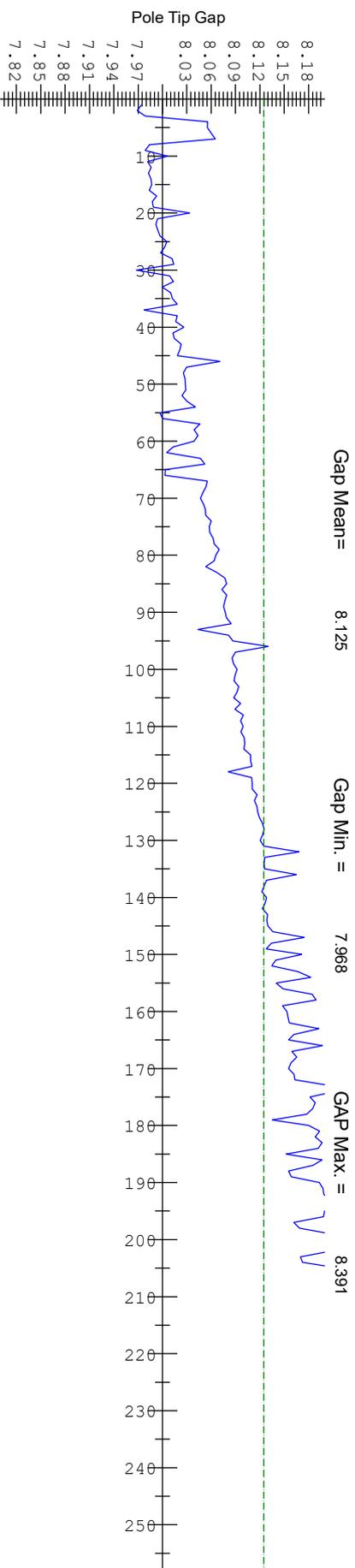
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0001	DS Full :	8.3001
Nom. Taper :	0.300	US Wall Half :	4.0028	DS Wall Half :	4.1509
		US Aisle Half :	4.0027	DS Aisle Half :	4.1508

S/N	: HXU_013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

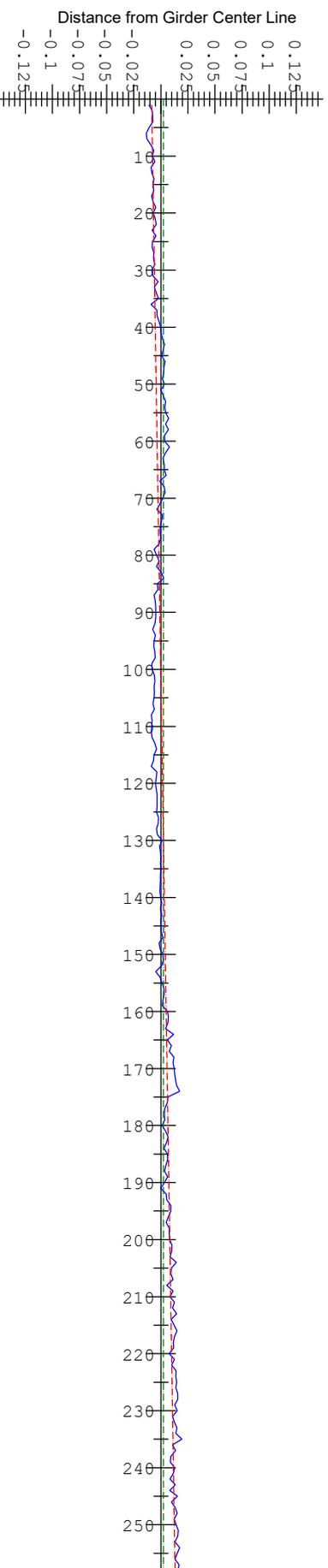


Pole Tip Gap at Nom. Beam Height

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 :	8.0001	DS Full :	8.3001
Nom. Taper :	0.300	US Wall Half :	4.0028	DS Wall Half :	4.1509
		US Aisle Half :	4.0027	DS Aisle Half :	4.1508

S/N	: HXU_013
Date	: 29-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



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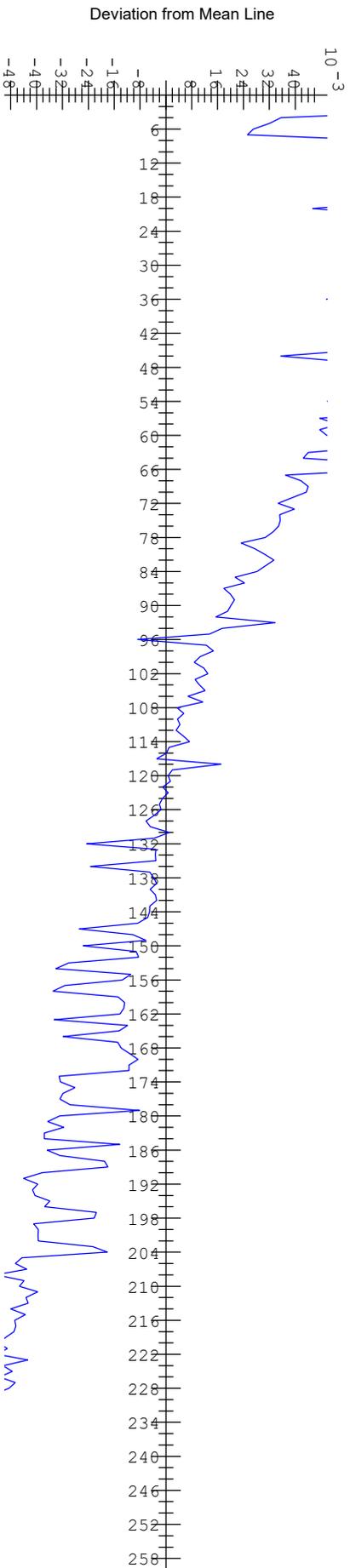
HGVPU - Pole Tip Deviation from Mean Line

Nominal Gap : 8.000 US Full : 8.0001 DS Full : 8.3001
 Nom. Taper : 0.300 US Wall Half : 4.0028 DS Wall Half : 4.1509
 US Aisle Half : 4.0027 DS Aisle Half : 4.1508

S/N : HXU_013
 Date : 29-JUL-2020
 Data Set : 0001
 Run : FINAL
 Cam Pos. : B

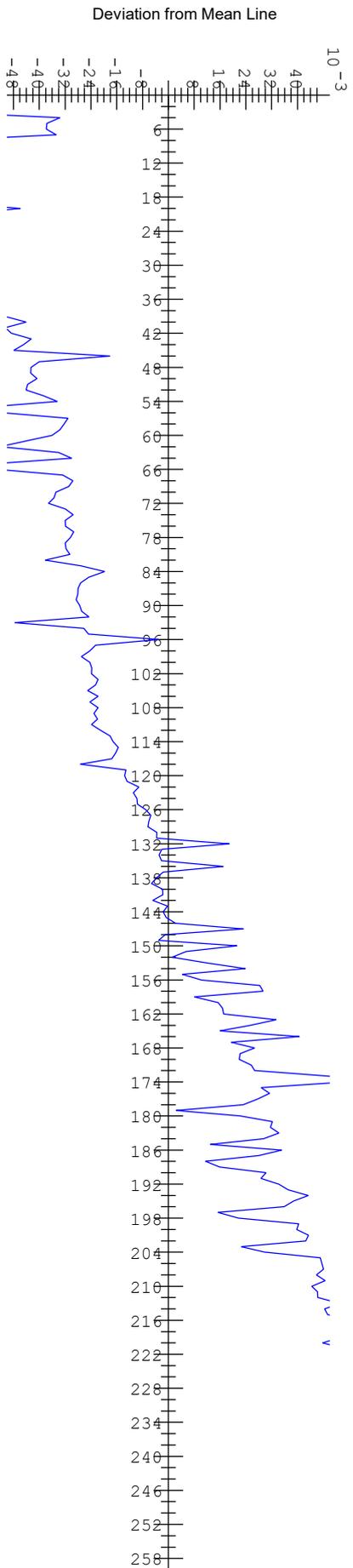
Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



Pole Tip Num. ----->

Wall Pole Tips



Aisle Pole Tips