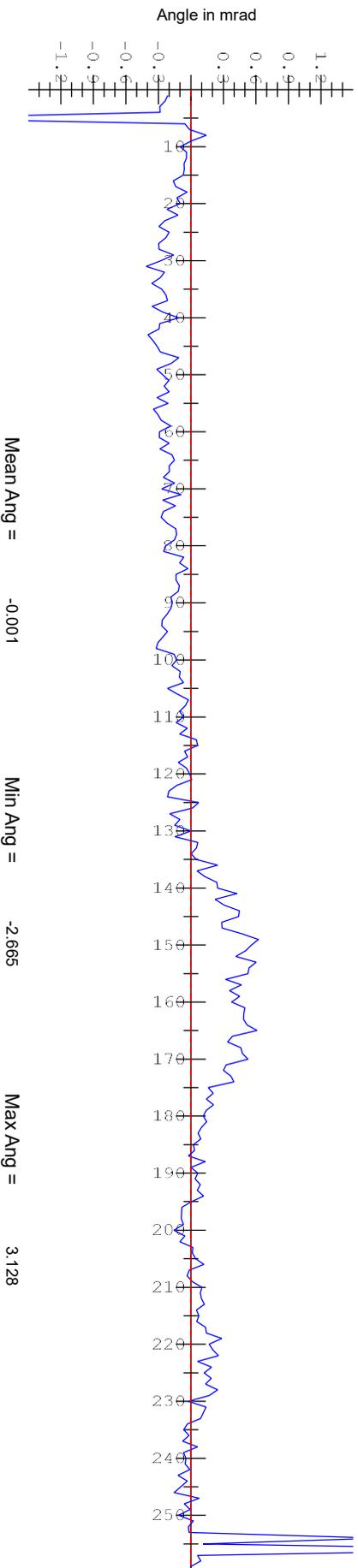


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



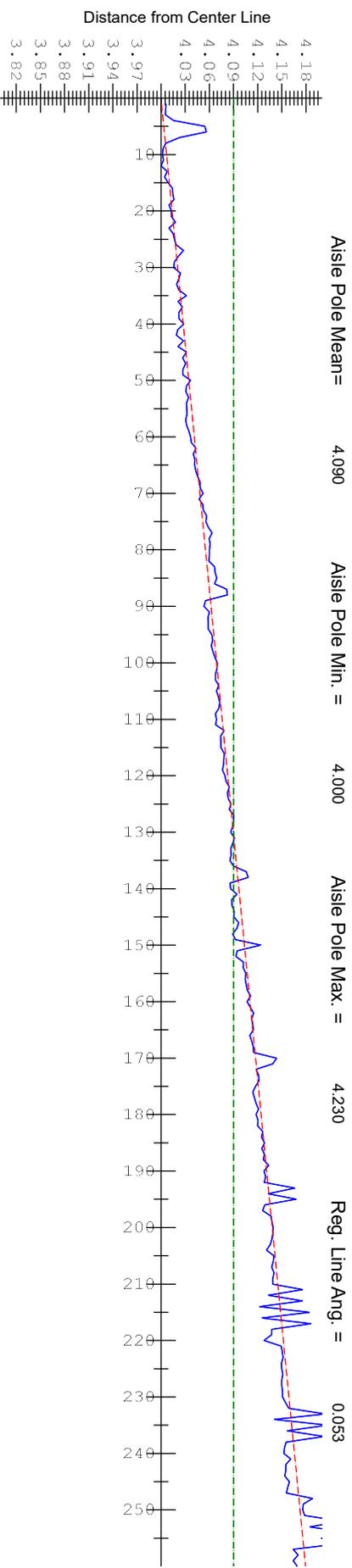
Dimensions in MM, Angles in Milliradians

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HGVPU - Pole Tip Angles

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.2996
Nom. Taper :	0.300	US Wall Half :	4.0027	DS Wall Half :	4.1498
		US Aisle Half :	4.0021	DS Aisle Half :	4.1507

S/N	: HXU 031
Date	: 05-MAR-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



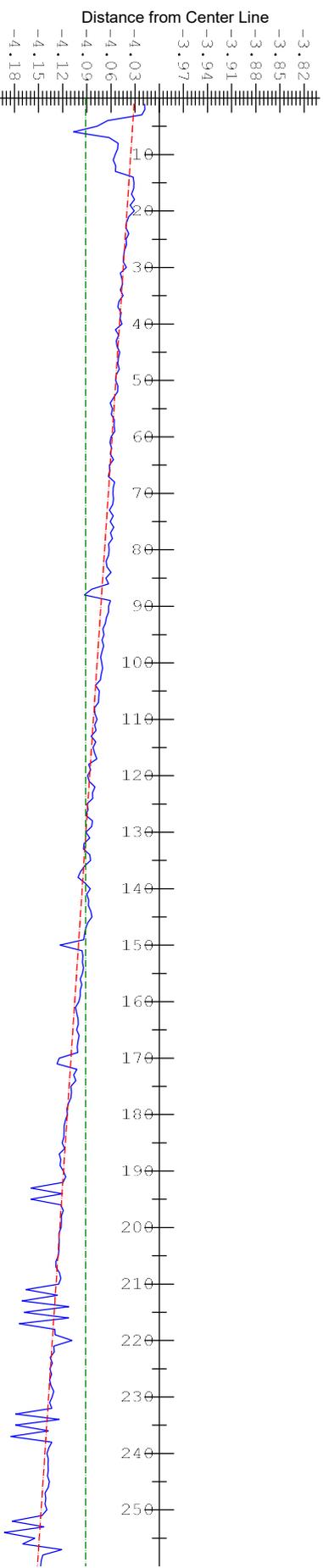
Pole Tip Num. ----->

Aisle Pole Tips at Nom. Beam Height

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

Wall Pole Tips at Nom. Beam Height

Minimum Clearance Gap = 8.000



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

	HGVPU - Pole Tip Location from Girder Centerline				
	Nominal Gap :	8.000	US Full :	8.0000	
Nom. Taper :	0.300	US Wall Half :	4.0027	DS Full :	8.2996
		US Aisle Half :	4.0021	DS Wall Half :	4.1498
				DS Aisle Half :	4.1507
S/N	: HXU 031	Date	: 05-MAR-2020	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)	4.001	0.000	8.750	
US Wall Pole Tip(1)	-4.031	0.000	8.750	
US Sym. Pt.	-0.015			
US Gap				8.032
DS Aisle Pole Tip(260)	4.180	0.000	3375.750	
DS Wall Pole Tip(260)	-4.151	0.000	3375.750	
DS Sym. Pt.	0.014			
DS Gap				8.331
Taper				0.299

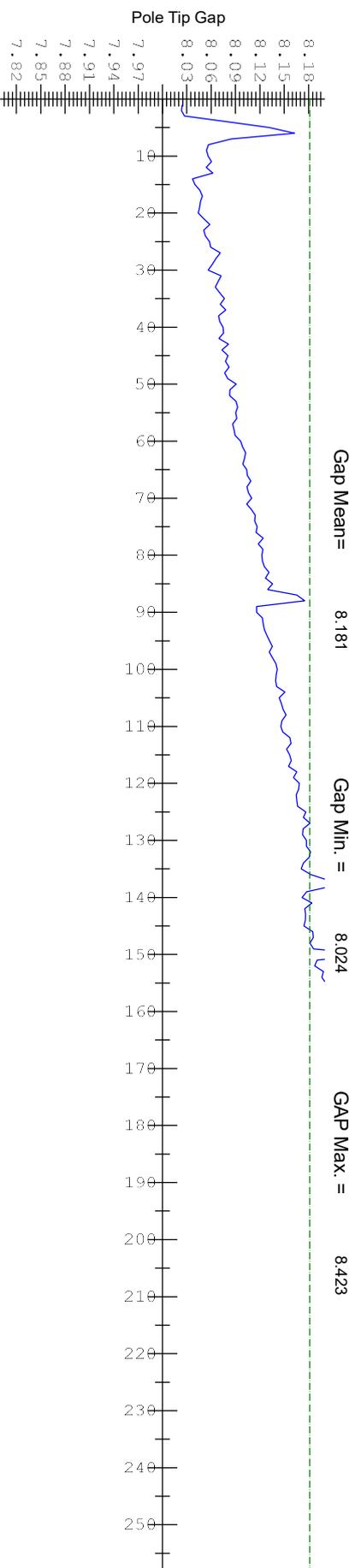
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

Nominal Gap :	8.000	US Full :	8.0000	DS Full :	8.2996
Nom. Taper :	0.300	US Wall Half :	4.0027	DS Wall Half :	4.1498
		US Aisle Half :	4.0021	DS Aisle Half :	4.1507

S/N	: HXU_031
Date	: 05-MAR-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B

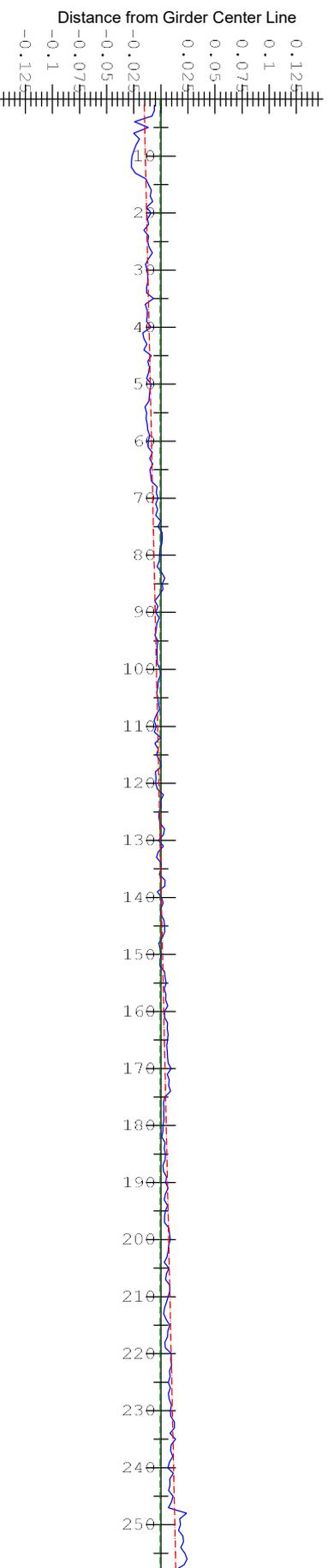


Pole Tip Gap at Nom. Beam Height

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 :	8.2996
Nom. Taper :	0.300	US Wall Half :	4.0027	DS Wall Half :	4.1498
		US Aisle Half :	4.0021	DS Aisle Half :	4.1507

S/N	: HXU_031
Date	: 05-MAR-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 : 8.2996

Nom. Taper : 0.300 US Wall Half : 4.0027 DS Wall Half : 4.1498

US Aisle Half : 4.0021 DS Aisle Half : 4.1507

S/N : HXU_031
 Date : 05-MAR-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

Aisle Pole Tips

Wall Pole Tips

Pole Tip Num. ----->

