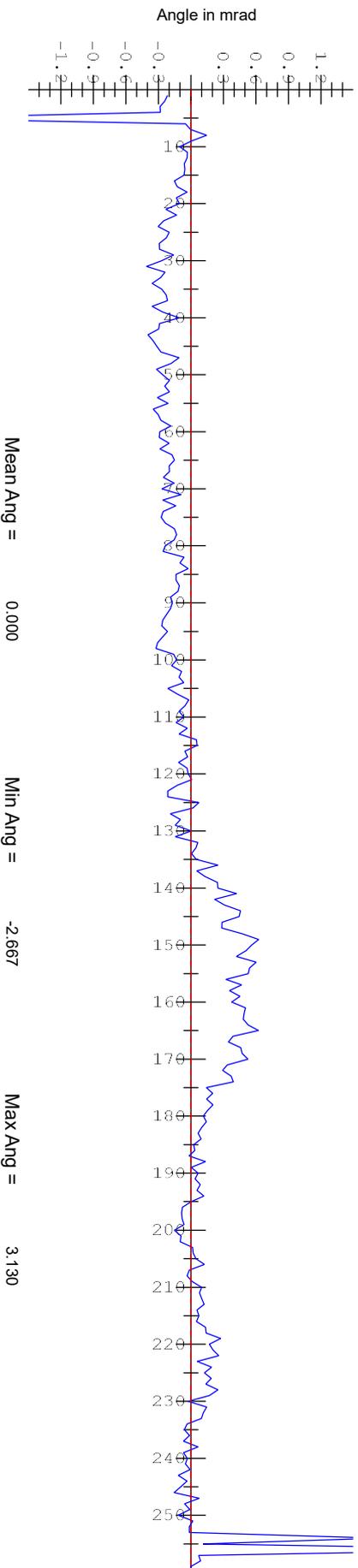


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



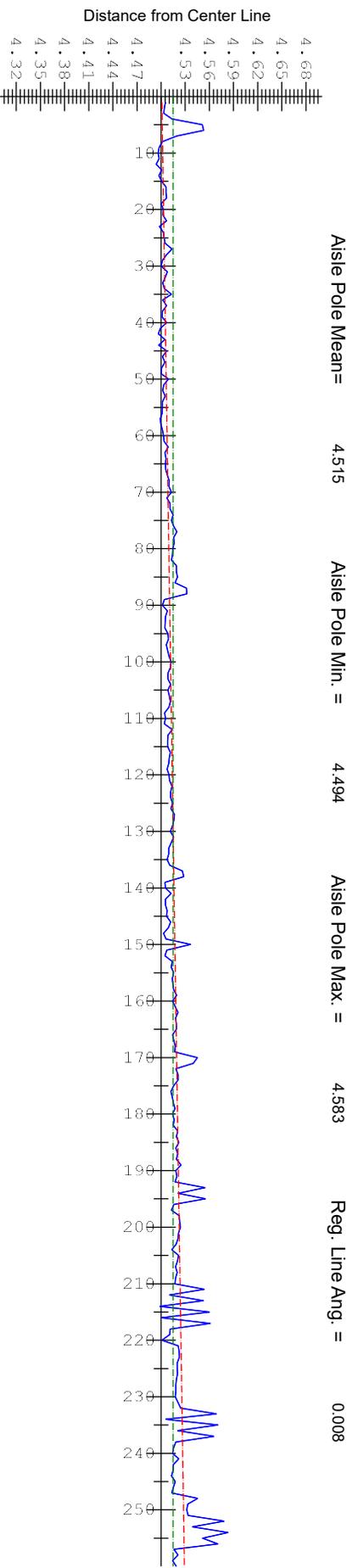
Dimensions in MM, Angles in Milliradians

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METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	9.000	US Full :	9.0000	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.4999	DS Wall Half :	4.4998
		US Aisle Half :	4.5002	DS Aisle Half :	4.4993

S/N	: HXU 031
Date	: 04-MAR-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



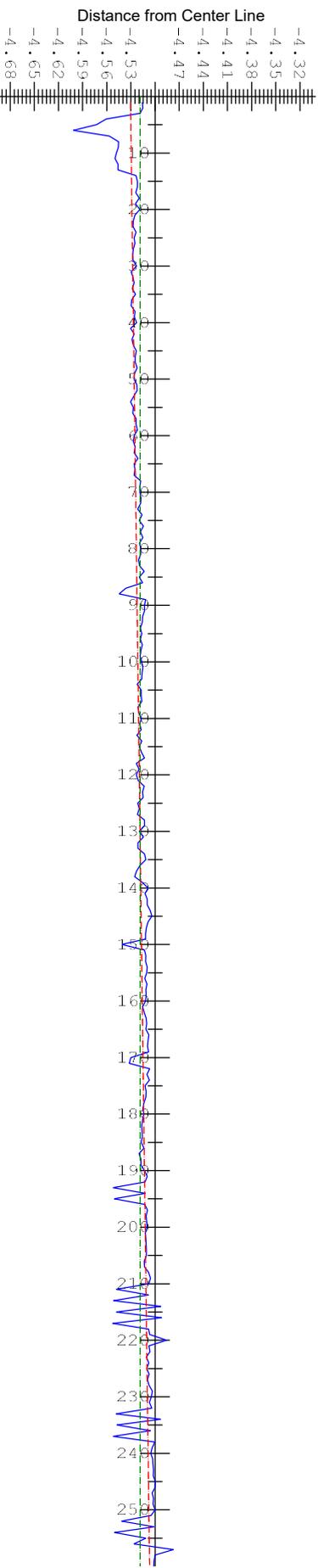
Pole Tip Num. ----->

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 = 8.954



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians

	HGVPU - Pole Tip Location from Girder Centerline				
	Nominal Gap :	9.000	US Wall Half :	4.4999	
Nom. Taper :	0.000	US Aisle Half :	4.5002	DS Full :	8.9997
		DS Wall Half :	4.4998	DS Aisle Half :	4.4993
S/N	: HXU 031	Date	: 04-MAR-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)	4.501	0.000	8.750	
US Wall Pole Tip(1)	-4.530	0.000	8.750	
US Sym. Pt.	-0.015			
US Gap				9.032
DS Aisle Pole Tip(260)	4.529	0.000	3375.750	
DS Wall Pole Tip(260)	-4.507	0.000	3375.750	
DS Sym. Pt.	0.011			
DS Gap				9.036
Taper				0.004

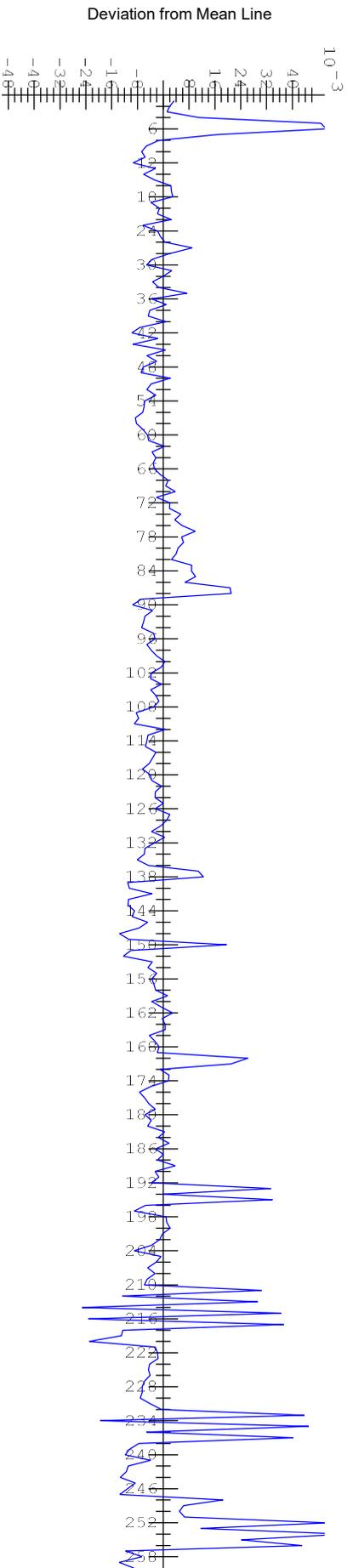
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

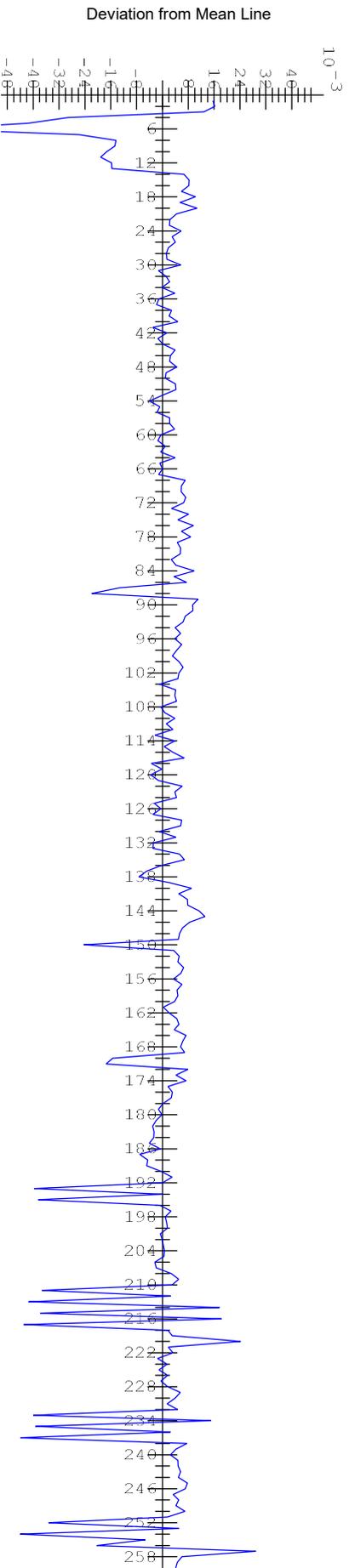
Nominal Gap :	9.000	US Full :	9.0000	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.4999	DS Wall Half :	4.4998
		US Aisle Half :	4.5002	DS Aisle Half :	4.4993

S/N	: HXU_031
Date	: 04-MAR-2020
Data Set	: 0001
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 :	9.000	US Full :	9.0000	DS Full :	8.9997
Nom. Taper :	0.000	US Wall Half :	4.4999	DS Wall Half :	4.4998
		US Aisle Half :	4.5002	DS Aisle Half :	4.4993

S/N	: HXU 031
Date	: 04-MAR-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B