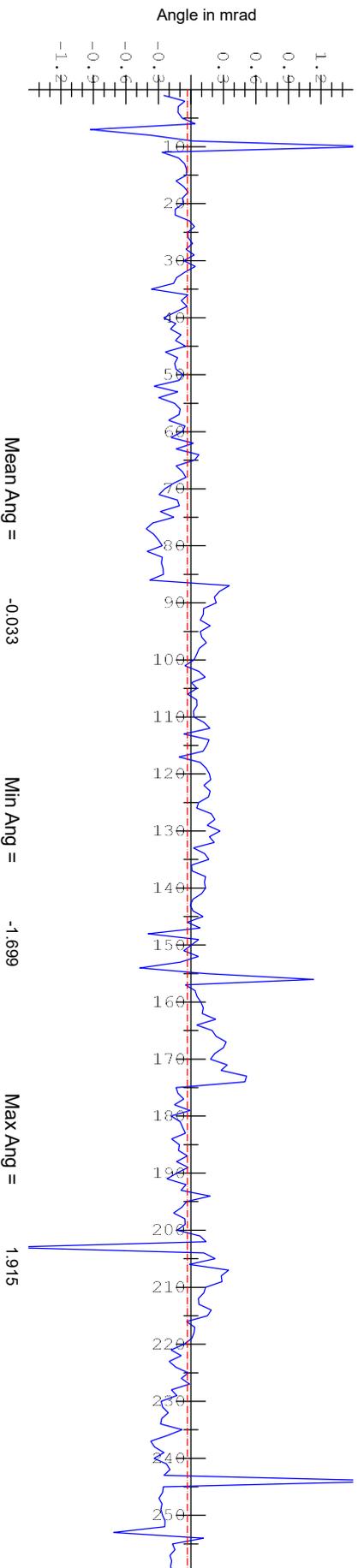


Included Angle Between Pole Tips

Pole Tip Num. ----->

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



Dimensions in MM, Angles in Milliradians

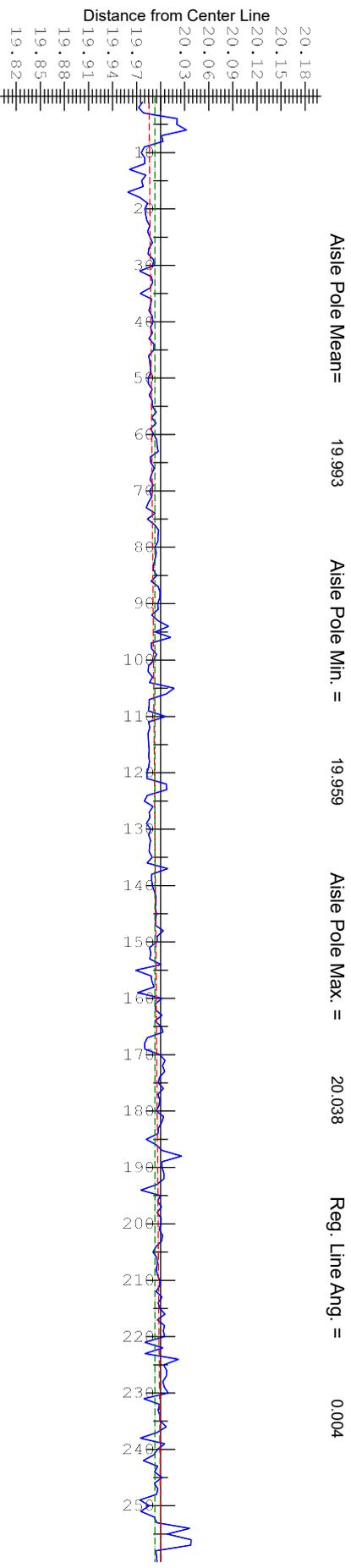


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METROLOGY

HGVPU - Pole Tip Angles

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0002
Nom. Taper :	0.000	US Wall Half :	19.9888	DS Wall Half :	19.9891
		US Aisle Half :	19.9894	DS Aisle Half :	19.9872

S/N	: HXU 033
Date	: 20-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B



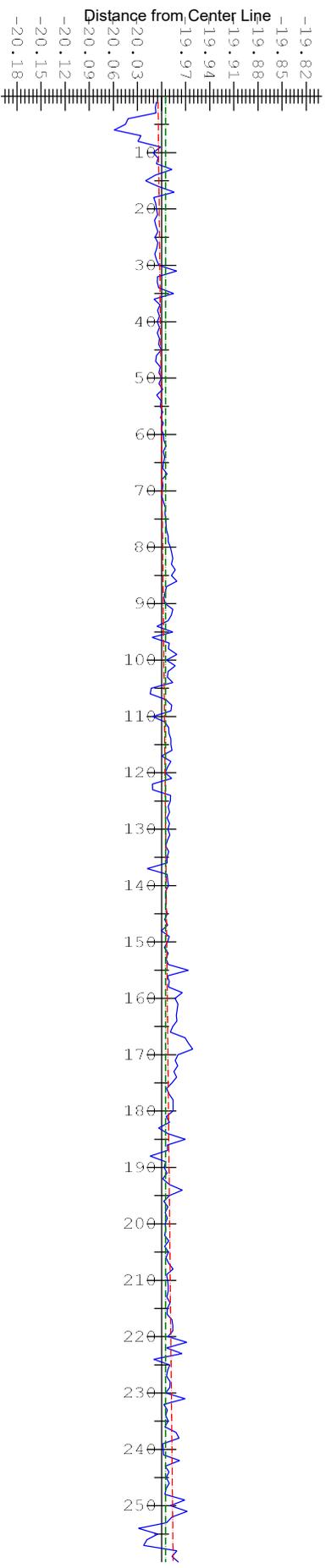
Aisle Pole Tips at Nom. Beam Height

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 = 39.918



Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



HGVPU - Pole Tip Location from Girder Centerline

Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0002
Nom. Taper :	0.000	US Wall Half :	19.9888	DS Wall Half :	19.9891
		US Aisle Half :	19.9894	DS Aisle Half :	19.9872

S/N	: HXU_033
Date	: 20-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)	19.985	0.000	8.750	
US Wall Pole Tip(1)	-20.004	0.000	8.750	
US Sym. Pt.	-0.009			
US Gap				39.990
DS Aisle Pole Tip(260)	20.000	0.000	3375.750	
DS Wall Pole Tip(260)	-19.986	0.000	3375.750	
DS Sym. Pt.	0.007			
DS Gap				39.986
Taper				-0.004

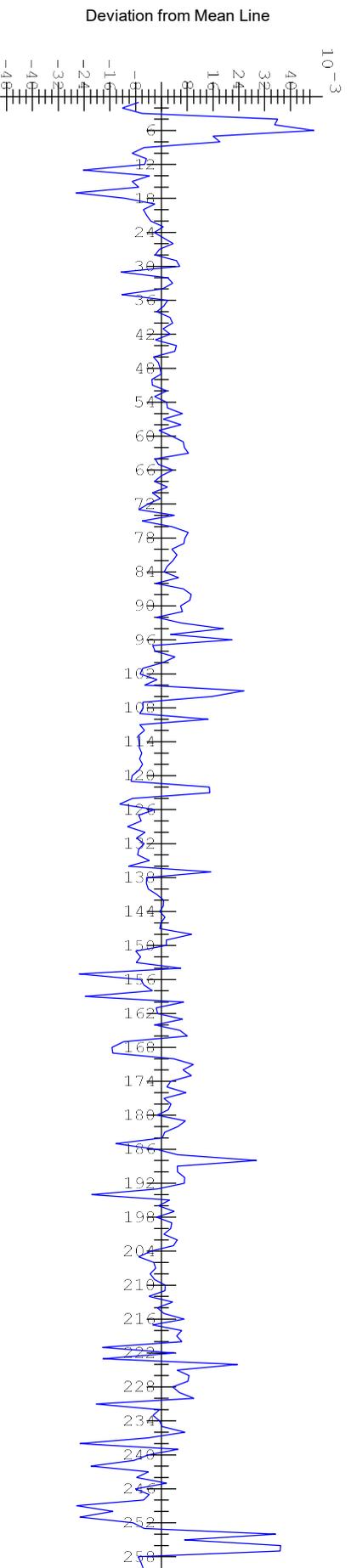
Dimensions in MM



HGVPU - Gap Calc. from Regression Line End Points

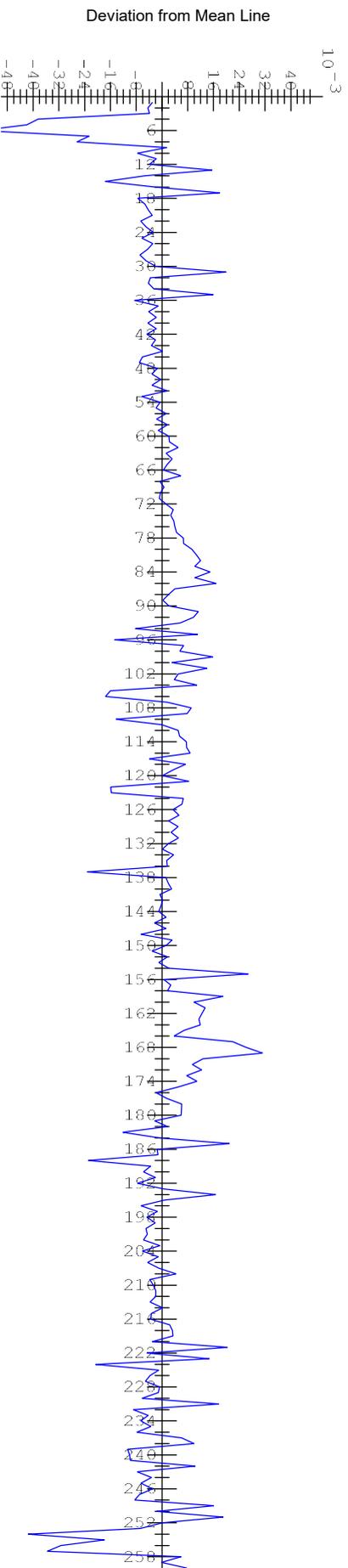
Nominal Gap :	40.000	US Full :	40.0001	DS Full :	40.0002
Nom. Taper :	0.000	US Wall Half :	19.9888	DS Wall Half :	19.9891
		US Aisle Half :	19.9894	DS Aisle Half :	19.9872

S/N	: HXU_033
Date	: 20-JUL-2020
Data Set	: 0001
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 :	40.0001	DS Full :	40.0002
Nom. Taper :	0.000	US Wall Half :	19.9888	DS Wall Half :	19.9891
		US Aisle Half :	19.9894	DS Aisle Half :	19.9872

S/N	: HXU_033
Date	: 20-JUL-2020
Data Set	: 0001
Run	: FINAL
Cam Pos.	: B